United States Department of the Interior
BUREAU OF OCEAN ENERGY MANAGEMENT
Gulf of America OCS Region
1201 Elmwood Park Boulevard
New Orleans, LA 70123-2394

In Reply Refer To: GM 235D August 13, 2025

Alabama Department of Environmental Management
Coastal Programs
Attn: Ms. Autumn Nitz
4171 Commanders Drive
Mobile, Alabama 36615

Dear Ms.Nitz,

In accordance with 30 CFR 550.232(a)(2), enclosed for your review and coastal zone consistency determination is the following plan and its accompanying documents:

| | | |
|---|---|---|
| Control # | - | S-8195 |
| Type | - | Supplemental Exploration Plan |
| Lease(s) | - | OCS-G 18194 Block – 126 Mississippi Canyon Area<br>OCS-G 19925 Block – 127 Mississippi Canyon Area<br>OCS-G 35312 Block - 81 Mississippi Canyon Area<br>OCS-G 35313 Block - 82 Mississippi Canyon Area |
| Operator | - | Anadarko Petroleum Corporation |
| Description | - | Drill and complete 56 water injection wells in MC Blocks 81, 126, & 127 |

Please refer to the above control number in all communication and correspondence concerning the subject plan.

Your review and comments are requested by September 7, 2025.

If you have any questions or comments, please contact Tehirah Barkum at tehirah.barkum@boem.gov or (504)736-7504.

Sincerely,

Tehirah Barkum
Plan Coordinator
Office of Leasing and Plans,
Plans Section

Enclosure

UNITED STATES GOVERNMENT
MEMORANDUM

August 13, 2025

To: Public Information (MS 5030)
From: Plan Coordinator, FO, Plans Section (MS 5231)

Subject: Public Information copy of plan

- Control # - S-08195
- Type - Supplemental Exploration Plan
- Lease(s) - OCS-G18194 Block - 126 Mississippi Canyon Area
  OCS-G19925 Block - 127 Mississippi Canyon Area
  OCS-G35312 Block - 81 Mississippi Canyon Area
  OCS-G35313 Block - 82 Mississippi Canyon Area
- Operator - Anadarko Petroleum Corporation
- Description - Drill and complete 56 water injection wells in MC Blocks 81, 126 & 127
- Rig Type - Not Found

Attached is a copy of the subject plan.

It has been deemed submitted as of this date and is under review for approval.

Tehirah Barkum
Plan Coordinator

| Site Type/Name | Botm Lse/Area/Blk | Surface Location | Surf Lse/Area/Blk |
|---|---|---|---|
| WELL/A | G18194/MC/126 | 829 FSL, 4144 FWL | G35313/MC/82 |
| WELL/AA | G18194/MC/126 | 854 FSL, 4144 FWL | G35313/MC/82 |
| WELL/B | G18194/MC/126 | 839 FSL, 4124 FWL | G35313/MC/82 |
| WELL/BB | G18194/MC/126 | 864 FSL, 4124 FWL | G35313/MC/82 |
| WELL/C | G18194/MC/126 | 839 FSL, 4164 FWL | G35313/MC/82 |
| WELL/CC | G18194/MC/126 | 864 FSL, 4164 FWL | G35313/MC/82 |
| WELL/D | G18194/MC/126 | 2690 FNL, 6422 FEL | G18194/MC/126 |
| WELL/DD | G18194/MC/126 | 2665 FNL, 6422 FEL | G18194/MC/126 |
| WELL/E | G18194/MC/126 | 2690 FNL, 6432 FEL | G18194/MC/126 |
| WELL/EE | G18194/MC/126 | 2665 FNL, 6432 FEL | G18194/MC/126 |
| WELL/F | G18194/MC/126 | 2690 FNL, 6412 FEL | G18194/MC/126 |
| WELL/FF | G18194/MC/126 | 2665 FNL, 6412 FEL | G18194/MC/126 |

**PUBLIC**

# SUPPLEMENTAL EXPLORATION PLAN

## MISSISSIPPI CANYON BLOCKS 81, 82, 126 and 127
## OCS-G 35312, 35313, 18194 and 19925

## OFFSHORE, ALABAMA

Anadarko Petroleum Corporation
1201 Lake Robbins Drive
The Woodlands, Texas 77380
Contact: Teri Powell
Teri_Powell@oxy.com
(832) 636-1261

1 – PDF Copy Confidential
1 – PDF Copy Public Information

July 2025

# SUPPLEMENTAL EXPLORATION PLAN
# LEASE OCS-G 35312, 35313, 18194, and 19925
# MISSISSIPPI CANYON BLOCKS 81, 82, 126 and 127

# A
# PLAN CONTENTS

## (a) Plan Information Form

Under this Supplemental Exploration Plan (EP), Anadarko Petroleum Corporation (Anadarko), proposes to drill and complete a total of 56 water injection wells:

- **Mississippi Canyon (MC) Block 81:**
  - *Surface location in MC 82* - (T, TT ,U, UU, V, VV, W, WW);

- **Mississippi Canyon (MC) Block 126:**
  - *Surface location in MC 82* - (A, AA, B, BB, C, CC)
  - *Surface location in MC 126* - (D, DD, E, EE, F, FF, G, GG, H, HH, I, II, J, JJ, K, KK, L, LL, M, MM, N, NN, O, OO, P, PP, Q, QQ);

- **Mississippi Canyon (MC) Block 127:**
  - *Surface location MC 126* - (P, PP, Q, QQ, R, RR, S, SS)
  - *Surface location MC 127* (T, TT, U, UU, V, VV)

The wells will be drilled using either a Dynamically Positioned (DP) Drillship or DP Semisubmersible drilling rig. Drilling and completion operations for the proposed well locations will utilize a Subsea BOP stack.

There will be no pipe driving activities or new pipelines expected to make landfall under this plan.

OCS Plan Information Form BOEM-137 is enclosed as **Attachment A-1.**

## (b) Location

Enclosed as **Attachment A-2** is a well location plat at a scale of 1 inch = 2000 feet that depicts the surface location and water depth of the proposed wells.

## (c) Safety and Pollution Prevention Features

Safety features on the drilling unit will include well control, pollution prevention, safe welding procedures, and blowout prevention equipment as described in Title 30 CFR Part 250, Subparts C, D, E, G and O; and as further clarified by BOEM Notices to Lessees, and applicable regulations of the Environmental Protection Agency and the U.S. Coast Guard. The appropriate life rafts, life jackets, ring buoys, etc., as prescribed by the U.S. Coast Guard, will be maintained on the facility at all times.

## (d) Storage Tanks and Production Vessels

The proposed wells will be drilled with either a DP drillship or DP semisubmersible unit. The storage tanks represented below reflect the largest tank capacities from MODU's under contract. Another MODU or vessel may be utilized during operations, but will have a total storage tank capacity equal to or less than the following:

| Type of Facility | Type Of Storage Tank | Tank Capacity | Number Of Tanks | Total Capacity | Fluid Gravity (Api) | Total Capacity of all Tanks for Rig Type |
|---|---|---|---|---|---|---|
| **Drillship** | Hydrocarbons/Fuel Oil Storage Tank | 5,514 bbls | 2 | 11,028 bbls | No. 2 Diesel/ varies | **12 tanks total= 62,874 bbls** |
| | Hydrocarbons/Fuel Oil Storage Tank | 12,458 bbls | 2 | 24,916 bbls | No. 2 Diesel/ varies | |
| | Hydrocarbons/Fuel Oil Storage Tank | 12,065 bbls | 2 | 24,130 bbls | No. 2 Diesel/ varies | |
| | Fuel Oil Settling Tanks | 640 bbls | 2 | 1,280 bbls | No. 2 Diesel | |
| | Fuel Oil Service Tanks | 480 bbls | 3 | 1,440 bbls | No. 2 Diesel | |
| | Fuel Oil Emergency Generator Tank | 80 bbls | 1 | 80 bbls | No. 2 Diesel | |
| **DP Semi** | Hydrocarbon/Fuel Oil Hull Tanks | 4,541 bbls | 2 | 9,082 bbls | No. 2 Diesel/ varies | **7 tanks total= 16,689 bbls** |
| | Hydrocarbon/Fuel Oil Hull Tanks | 3,392 bbls | 2 | 6,784 bbls | No. 2 Diesel/ varies | |
| | Fuel Oil Deck Day Tank | 629 bbls | 1 | 629 bbls | No. 2 Diesel | |
| | Fuel Oil Deck Settling Tank | 164 bbls | 1 | 164 bbls | No. 2 Diesel | |
| | Fuel Oil Emergency Generator | 30 bbls | 1 | 30 bbls | No. 2 Diesel | |

## (e) Pollution Prevention Measures

The drilling rig utilized for these operations will comply with all applicable regulations regarding pollution prevention and control. The rig has a Shipboard Oil Pollution Emergency Plan (SOPEP), which is reviewed and approved annually by the American Bureau of Shipping (ABS). The SOPEP is provided to assist employees in dealing with an unexpected discharge of oil. Its primary purpose is to set in motion the necessary actions to stop or minimize the discharge of oil and to mitigate its effects. Effective planning ensures that the necessary actions are taken in a structured, logicalm and timely manner.

Pollution prevention measures include installation of curbs, gutters, drip pans, and drains on deck areas to collect all contaminants and debris. Most deck drains and some of the joints at the edge of the rig floor go overboard or into the moonpool, respectively. To prevent ocean discharge from the drains there is a dedicated drip pan under the rotary table. The pipe racks, mud pump room, sack store, and drill floor drains go to a holding tank, which is served by a dedicated oily water separator. The well test area, engine room, and other major machinery spaces drains all go to slops tanks, which are served by a large general-service, oily water separator. The containment devices are temporary. They are not meant for permanent storage of waste. On the rare occasion that they contain wastes, they are pumped, mopped, or cleaned within a short period of time. The chances of damage to a containment structure during such time as it contains wastes are exceedingly small.

**(f) Additional Pollution Prevention Measures**

No additional measures are proposed under this plan. The activities proposed in this plan are not located offshore Florida.

**(g) Description of Previously Approved Lease Activities**

**Mississippi Canyon Block 81:**

Anadarko was granted approval for the following well locations under Initial Exploration Plan for Mississippi Canyon Block 81 (Plan Control No. N-10029) approved on November 2, 2018.

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| X | Approved well location for future utility | Future drill location |
| XX | Approved well location for future utility | Future drill location |
| Y | Approved well location for future utility | Future drill location |
| YY | Approved well location for future utility | Future drill location |
| Z | Approved well location for future utility | Future drill location |
| ZZ | Approved well location for future utility | Future drill location |

A Revised Exploration Plan (Plan Control No. R-6940) to revise the surface location only on MC 81 well locations Y, YY, Z, ZZ was approved on July 27, 2020:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| Y | Location utilized to drill and complete MC 81 SS001 | Producing |
| YY | Location utilized to drill and complete MC 81 SS002 ST01 | Producing |
| Z | Location utilized to drill and complete MC 81 SS004 ST01 | Producing |
| ZZ | Approved well location for future utility | Future drill location |

Anadarko was granted approval for the following well locations under Initial Exploration Plan for Mississippi Canyon Block 81 (Plan Control No. N-10117) approved on October 9, 2020.

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| G | Approved well location for future utility | Future drill location |
| GG | Approved well location for future utility | Future drill location |
| H | Approved well location for future utility | Future drill location |
| HH | Approved well location for future utility | Future drill location |
| I | Location used to drill MC 81 003 ST02 | Permanently Abandoned |
| II | Approved well location for future utility | Future drill location |
| J | Approved well location for future utility | Future drill location |
| JJ | Approved well location for future utility | Future drill location |
| K | Approved well location for future utility | Future drill location |
| KK | Approved well location for future utility | Future drill location |
| L | Approved well location for future utility | Future drill location |
| LL | Approved well location for future utility | Future drill location |
| M | Approved well location for future utility | Future drill location |
| MM | Approved well location for future utility | Future drill location |
| N | Approved well location for future utility | Future drill location |
| NN | Approved well location for future utility | Future drill location |
| O | Approved well location for future utility | Future drill location |
| OO | Approved well location for future utility | Future drill location |

**Mississippi Canyon Block 82:**

Anadarko was granted approval for the following well locations under Initial Exploration Plan for Mississippi Canyon Block 82 (Plan Control No. N-10029) approved on November 2, 2018.

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| X | Approved well location for future utility | Future drill location |
| XX | Approved well location for future utility | Future drill location |
| Y | Approved well location for future utility | Future drill location |
| YY | Approved well location for future utility | Future drill location |
| Z | Approved well location for future utility | Future drill location |
| ZZ | Approved well location for future utility | Future drill location |

A Revised Exploration Plan (Plan Control No. R-6940) to revise the surface location only on MC 82 well locations X, XX, Y, YY, Z, ZZ was approved on July 27, 2020:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| X | Approved well location for future utility | Future drill location |
| XX | Approved well location for future utility | Future drill location |

| | | |
|---|---|---|
| Y | Approved well location for future utility | Future drill location |
| YY | Approved well location for future utility | Future drill location |
| Z | Approved well location for future utility | Future drill location |
| ZZ | Approved well location for future utility | Future drill location |

**Mississippi Canyon Block 126:**

Anadarko was granted approval for the following well location under a Revised Exploration Plan for Mississippi Canyon Block 126 (Plan Control No. R-6635) approved on November 28, 2017.

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| SS007 | Used location to drill MC 126 SS007 well. | Well to be completed and placed on production |

Anadarko was granted approval for the following well locations under Initial Exploration Plan for Mississippi Canyon Block 126 (Plan Control No. N-10029) approved on November 2, 2018.

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| Y | Location utilized to drill and complete well MC 126 SS008 | Producing |
| YY | Approved well location for future utility | Future drill location |
| Z | Approved well location for future utility | Future drill location |
| ZZ | Approved well location for future utility | Future drill location |

A Revised Exploration Plan (Plan Control No. R-6940) to revise the surface location only on MC 126 well locations YY, Z, ZZ was approved on July 27, 2020:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| YY | Location utilized to drill MC 126 #009 | Sidetracked |
| Z | Location utilized to drill MC 126 #010 | Producing |
| ZZ | Approved well location for future utility | Future drill location |

Anadarko was granted approval for the following well locations under Initial Exploration Plan for Mississippi Canyon Block 126 (Plan Control No. N-10117) approved on October 9, 2020:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| R | Approved well location for future utility | Future drill location |
| RR | Approved well location for future utility | Future drill location |

**Mississippi Canyon Block 127:**

Approval was granted for the following well locations under the Supplemental EP (filed by FMOG) for Mississippi Canyon Blocks 126 & 127 (Plan Control No. S-7692) approved on October 31, 2014:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| MC 127 "A" | Location used to drill MC 127 #SS001 | Well currently on production |
| MC 127 "B" | Location used to drill MC 127 #SS002 | Well currently on production |
| MC 127 "C" | Location used to drill MC 127 #SS003 | Well currently TA'd; APC may conduct sidetrack drilling from existing wellbore. |
| MC 126 "D" | Approved well location for future utility | Future drill location |

Approval was granted for the following well locations under the Supplemental EP (filed by FMOG) for Mississippi Canyon Blocks 126 & 127 (Plan Control No. S-7755) approved on August 13, 2015:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| MC 127 "CC" | Location utilized to drill MC 127 SS004 | Producing |
| MC 126 "DD" | Approved well location for future utility | Future drill location |

Approval was granted for the following well locations under the Supplemental EP (filed by FMOG) for Mississippi Canyon Blocks 126 & 127 (Plan Control No. S-7759) approved on November 27, 2015:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| MC 127 "E" | Approved well location for future utility | Future drill location |
| MC 127 "F" | Approved well location for future utility | Future drill location |
| MC 127 "G" | Approved well location for future utility | Future drill location |
| MC 127 "H" | Approved well location for future utility | Future drill location |
| MC 126 "I" | Approved well location for future utility | Future drill location |
| MC 126 "J" | Approved well location for future utility | Future drill location |

Approval was granted for the following well locations under the Supplemental EP for Mississippi Canyon Block 127 (Plan Control No. S-7824) approved on January 6, 2017:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| MC 127 "CC" | Location used to drill MC 127 #SS004 | Producing |
| MC 127 "CCC" | Location used to drill MC 127 #SS005 | Producing |

Approval was granted for the following well locations under the Supplemental EP for Mississippi Canyon Block 127 (Plan Control No. S-7840) approved on May 12, 2017:

| Well Location | Status of Well Location | Potential Future Operations |
|---|---|---|
| MC 127 “Z” | Approved well location for future utility | Future drill location |
| MC 127 “ZZ” | Approved well location for future utility | Future drill location |
| MC 127 “Y” | Approved well location for future utility | Future drill location |
| MC 127 “YY” | Approved well location for future utility | Future drill location |
| MC 127 “X” | Approved well location for future utility | Future drill location |
| MC 127 “XX” | Approved well location for future utility | Future drill location |
| MC 127 “W” | Location used to drill MC 127 #SS006 | Producing |
| MC 127 “WW” | Approved well location for future utility | Future drill location |

**U.S. Department of the Interior**
Bureau of Ocean Energy Management

OMB Control Number: 1010-0151
OMB Approval Expires: 6/30/2021

# OCS PLAN INFORMATION FORM

## General Information

| Type of OCS Plan: | x | Exploration Plan (EP) Supplemental | Development Operations Coordination Document (DOCD) | |
|---|---|---|---|---|

| | |
|---|---|
| Company Name: Anadarko Petroleum Corporation | BOEM Operator Number: 00981 |
| Address: | Contact Person: Teri Powell |
| 1201 Lake Robbins Drive | Phone Number: 832-636-1261 |
| The Woodlands, TX 77380 | E-Mail Address: Teri_Powell@oxy.com |

| | | | | |
|---|---|---|---|---|
| If a service fee is required under 30 CFR 550.125(a), provide the | Amount paid | $135,044.00 | Receipt No. | See Attached Receipts |

## Project and Worst Case Discharge (WCD) Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Lease(s): G35312, G35313, G18194, G19925 | Area: MC | Block(s): 82,125 | Project Name (If Applicable): Horn Mountain Water Injection | | | | | | |
| Objective(s) | x | Oil | x | Gas | | Sulphur | | Salt | Onshore Support Base(s): Fourchon, LA |
| Platform/Well Name: MC 126 "Y" | Total Volume of WCD: 33,827,885 bbls | | | | | | | | API Gravity: 33.1 |
| Distance to Closest Land (Miles): 53 miles | Volume from uncontrolled blowout: 371,735 BOPD | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| Have you previously provided information to verify the calculations and assumptions for your WCD? | X | Yes | | No |
| If so, provide the Control Number of the EP or DOCD with which this information was provided | N-10029, N10117 | | | |
| Do you propose to use new or unusual technology to conduct your activities? | | Yes | X | No |
| Do you propose to use a vessel with anchors to install or modify a structure? | | Yes | X | No |
| Do you propose any facility that will serve as a host facility for deepwater subsea development? | | Yes | X | No |

## Description of Proposed Activities and Tentative Schedule (Mark all that apply)

| Proposed Activity | Start Date | End Date | No. of Days |
|---|---|---|---|
| See Attached Activity Schedule | | | |
| | | | |
| | | | |
| | | | |
| | | | |
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## Description of Drilling Rig

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Jackup | X | Drillship | | Caisson | | Tension leg platform |
| | Gorilla Jackup | | Platform rig | | Fixed platform | | Compliant tower |
| | Semisubmersible | | Submersible | | Spar | | Guyed tower |
| X | DP Semisubmersible | | Other (Attach Description) | | Floating production system | | Other (Attach Description) |

Drilling Rig Name (If Known):

## Description of Lease Term Pipelines

| From (Facility/Area/Block) | To (Facility/Area/Block) | Diameter (Inches) | Length (Feet) |
|---|---|---|---|
| N/A | | | |
| | | | |
| | | | |

## Horn Mountain Water Injection Supplemental Exploration Plan Proposed Activity Schedule MC 81, 82, 126 & 127

| PLAN - NEW Proposed Activity | | Proposed Vessel Type | Estimated Start Date | Estimated End Date | Max. Anticipated No. of Days |
|---|---|---|---|---|---|
| **Surface Location MC 82** | | | | | |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 T | | MODU | 1/1/2026 | 4/1/2026 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 TT | | MODU | 7/1/2026 | 9/29/2026 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 U | | MODU | 1/1/2027 | 3/31/2027 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 UU | | MODU | 7/1/2027 | 9/29/2027 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 V | | MODU | 1/1/2028 | 4/1/2028 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 VV | | MODU | 7/1/2028 | 9/29/2028 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 W | | MODU | 1/1/2029 | 3/31/2029 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 WW | | MODU | 7/1/2029 | 9/29/2029 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 A | | MODU | 1/1/2030 | 4/1/2030 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 AA | | MODU | 7/1/2030 | 9/29/2030 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 B | | MODU | 1/1/2031 | 3/31/2031 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 BB | | MODU | 7/1/2031 | 9/29/2031 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 C | | MODU | 1/1/2032 | 4/1/2032 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 CC | | MODU | 7/1/2032 | 9/29/2032 | 90 days |
| **Surface Location MC 126** | | | | | |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 D | | MODU | 1/1/2026 | 4/1/2026 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 DD | | MODU | 7/1/2026 | 9/29/2026 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 E | | MODU | 1/1/2027 | 3/31/2027 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 EE | | MODU | 7/1/2027 | 9/29/2027 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 F | | MODU | 1/1/2028 | 4/1/2028 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 FF | | MODU | 7/1/2028 | 9/29/2028 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 G | | MODU | 1/1/2029 | 3/31/2029 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 GG | | MODU | 7/1/2029 | 9/29/2029 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 H | | MODU | 1/1/2030 | 4/1/2030 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 HH | | MODU | 7/1/2030 | 9/29/2030 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 I | | MODU | 1/1/2031 | 3/31/2031 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 II | | MODU | 7/1/2031 | 9/29/2031 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 J | | MODU | 1/1/2032 | 4/1/2032 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 JJ | | MODU | 7/1/2032 | 9/29/2032 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 K | | MODU | 1/1/2033 | 3/31/2033 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 KK | | MODU | 7/1/2033 | 9/29/2033 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 L | | MODU | 1/1/2034 | 4/1/2034 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 LL | | MODU | 7/1/2034 | 9/29/2034 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 M | | MODU | 1/1/2035 | 3/31/2035 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 MM | | MODU | 7/1/2035 | 9/29/2035 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 N | | MODU | 1/1/2036 | 4/1/2036 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 NN | | MODU | 7/1/2036 | 9/29/2036 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 O | | MODU | 1/1/2037 | 3/31/2037 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 OO | | MODU | 7/1/2037 | 9/9/2037 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 P | | MODU | 1/1/2038 | 4/1/2038 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 PP | | MODU | 7/1/2038 | 9/29/2038 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 Q | | MODU | 1/1/2039 | 4/1/2039 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 QQ | | MODU | 7/1/2039 | 9/29/2039 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 P | | MODU | 1/1/2040 | 3/31/2040 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 PP | | MODU | 7/1/2040 | 9/29/2040 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 Q | | MODU | 1/1/2041 | 4/1/2041 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 QQ | | MODU | 7/1/2041 | 9/29/2041 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 R | | MODU | 1/1/2042 | 4/1/2042 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 RR | | MODU | 7/1/2042 | 9/29/2042 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 S | | MODU | 1/1/2043 | 4/1/2043 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 SS | | MODU | 7/1/2043 | 9/29/2043 | 90 days |
| **Surface Location MC 127** | | | | | |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 T | | MODU | 1/1/2026 | 4/1/2026 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 TT | | MODU | 7/1/2026 | 9/29/2026 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 U | | MODU | 1/1/2027 | 4/1/2027 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 UU | | MODU | 7/1/2027 | 9/29/2027 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 V | | MODU | 7/1/2028 | 9/29/2028 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 VV | | MODU | 1/1/2029 | 3/31/2029 | 90 days |

| Previously Approved Locations with AQR's Being Brought Forward | Plan Control No. | Proposed Vessel Type | Estimated Start Date | Estimated End Date | Max. Anticipated No. of Days |
|---|---|---|---|---|---|
| **Surface Location MC 126** | | | | | |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 R | N-10117 | MODU | 1/1/2044 | 3/31/2044 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 RR | N-10117 | MODU | 7/1/2044 | 9/29/2044 | 90 days |
| **Surface Location MC 82** | | | | | |
| Drill, Complete, & Conduct Flowtest Well Location MC 82 X | R-6940 | MODU | 1/1/2033 | 3/31/3033 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 82 XX | R-6940 | MODU | 7/1/2033 | 9/29/2033 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 82 Y | R-6940 | MODU | 1/1/2034 | 3/31/2034 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 82 YY | R-6940 | MODU | 7/1/2034 | 9/29/2034 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 82 Z | R-6940 | MODU | 1/1/2035 | 4/1/2035 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 82 ZZ | R-6940 | MODU | 7/1/2035 | 9/29/2035 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 81 ZZ | R-6940 | MODU | 1/1/2036 | 3/31/2036 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 126 ZZ | R-6940 | MODU | 7/1/2036 | 9/9/2036 | 90 days |

| Previously Approved Locations with AQR's Being Brought Forward | Plan Control No. | Proposed Vessel Type | Estimated Start Date | Estimated End Date | Max. Anticipated No. of Days |
|---|---|---|---|---|---|
| **Surface Location MC 127** | | | | | |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 WW | R-7318 | MODU | 1/1/2028 | 4/1/2028 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 X | R-7318 | MODU | 7/1/2029 | 9/29/2029 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 XX | R-7318 | MODU | 1/1/2030 | 4/1/2030 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 Y | R-7318 | MODU | 7/1/2030 | 9/29/2030 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 YY | R-7318 | MODU | 1/1/2031 | 3/31/2031 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 Z | R-7318 | MODU | 7/1/2031 | 9/29/2031 | 90 days |
| Drill, Complete, & Conduct Flowtest Well Location MC 127 ZZ | R-7318 | MODU | 1/1/2032 | 4/1/2032 | 90 days |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "T" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 838.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4143.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287183.90 | X: | X:<br>X:<br>X: |
| | Y: 10486918.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892660360 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104199462 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | MD (Feet): N/A / TVD (Feet): N/A | | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "TT" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 863.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4143.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287183.90 | X: | X:<br>X:<br>X: |
| | Y: 10486943.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892729128 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104200189 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "U" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 838.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4133.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287173.90 | X: | X:<br>X:<br>X: |
| | Y: 10486918.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892660103 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104230717 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 4381' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "UU | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 863.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4133.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287173.90 | X: | X:<br>X:<br>X: |
| | Y: 10486943.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892728872 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104221444 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "V" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 838.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4153.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287193.90 | X: | X:<br>X:<br>X: |
| | Y: 10486918.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892660616 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104168207 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "VV" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 863.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4153.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287193.90 | X: | X:<br>X:<br>X: |
| | Y: 10486943.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892729385 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104168934 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "W" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 848.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4143.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287183.90 | X: | X:<br>X:<br>X: |
| | Y: 10486928.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892687867 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104199753 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "WW | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 863.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4143.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287183.90 | X: | X:<br>X:<br>X: |
| | Y: 10486953.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892756636 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104200480 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "A" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 828.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4143.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287183.90 | X: | X:<br>X:<br>X: |
| | Y: 10486908.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892632852 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104199170 | Longitude | Longitude<br>Longitude<br>Longitude |
| | Water Depth (Feet): 4381' | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| | Anchor Radius (if applicable) in feet: | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "AA | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 853.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4143.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287183.90 | X: | X:<br>X:<br>X: |
| | Y: 10486933.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892701621 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104199898 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "B" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 838.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4123.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287163.90 | X: | X:<br>X:<br>X: |
| | Y: 10486918.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892659847 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104261972 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "BB | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 863.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4123.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287163.90 | X: | X:<br>X:<br>X: |
| | Y: 10486943.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892728616 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104262699 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "C" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 838.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4163.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287203.90 | X: | X:<br>X:<br>X: |
| | Y: 10486918.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892660872 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104136951 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "CC | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 863.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 4163.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1287203.90 | X: | X:<br>X:<br>X: |
| | Y: 10486943.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.892729641 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.104137679 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4381' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "D" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>2690.10' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>6421.50' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1292458.50 | X: | X:<br>X:<br>X: |
| | Y:<br>10483389.90 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.883087544 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.087612468 | Longitude | Longitude<br>Longitude<br>Longitude |
| | Water Depth (Feet): 4630' | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| | Anchor Radius (if applicable) in feet: | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "DD" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 2665.10' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 6421.50' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1292458.50 | X: | X:<br>X:<br>X: |
| | Y: 10483414.90 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.883156313 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.087613185 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 4630' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "E" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>2690.10' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>6421.50' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1292458.50 | X: | X:<br>X:<br>X: |
| | Y:<br>10483389.90 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.883087544 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.087612468 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4630' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "EE | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 2665.10' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 6431.50' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1292448.50 | X: | X:<br>X:<br>X: |
| | Y: 10483414.90 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.883156061 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.087644437 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4630' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "F" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>2690.10' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>6411.50' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1292468.50 | X: | X:<br>X:<br>X: |
| | Y:<br>10483389.90 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.883087796 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.087581216 | Longitude | Longitude<br>Longitude<br>Longitude |
| | Water Depth (Feet): 4630' | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| | Anchor Radius (if applicable) in feet: | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "FF" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 2665.10' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 6411.50' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1292468.50 | X: | X:<br>X:<br>X: |
| | Y: 10483414.90 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.883156565 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.087581932 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4630' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "G" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 2700.10' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 6421.50' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1292458.50 | X: | X:<br>X:<br>X: |
| | Y: 10483379.90 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.883060036 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.087612182 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4630' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "GG | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 2675.10' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 6421.50' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1292458.50 | X: | X:<br>X:<br>X: |
| | Y: 10483404.90 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.883128805 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.087612898 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4630' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "H" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 6658.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 352.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1298527.80 | X: | X:<br>X:<br>X: |
| | Y: 10479421.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.87232878 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.068532703 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "HH" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 6633.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 352.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1298527.80 | X: | X:<br>X:<br>X: |
| | Y: 10479446.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.872392648 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.068533406 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "I" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>6658.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>362.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1298517.80 | X: | X:<br>X:<br>X: |
| | Y:<br>10479421.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.872323630 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.068563952 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "II" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>6633.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>362.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1298517.80 | X: | X:<br>X:<br>X: |
| | Y:<br>10479446.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.872392400 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.068564656 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "J" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>6658.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>342.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1298537.80 | X: | X:<br>X:<br>X: |
| | Y:<br>10479421.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.872324126 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.068501453 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "JJ | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 6633.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 342.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1298537.80 | X: | X:<br>X:<br>X: |
| | Y: 10479446.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.872392896 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.068502151 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "K" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>6689.50' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>4883.06' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1293996.94 | X: | X:<br>X:<br>X: |
| | Y:<br>10476929.50 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.865355105 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.082620233 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5316' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "KK" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): | For structures, volume of all storage and pipelines (Bbls): | API Gravity of fluid | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 6709.50' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 4883.06' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1293996.94 | X: | X:<br>X:<br>X: |
| | Y: 10476949.50 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.865410120 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.082620803 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 5316' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "L" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): | For structures, volume of all storage and pipelines (Bbls): | API Gravity of fluid | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 6689.50' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 4893.06 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1293986.94 | X: | X:<br>X:<br>X: |
| | Y: 10476929.50 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.865354854 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.082651480 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5316' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "LL" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): | For structures, volume of all storage and pipelines (Bbls): | API Gravity of fluid | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 6709.50' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 4893.06' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1293986.94 | X: | X:<br>X:<br>X: |
| | Y: 10476949.50 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.865409869 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.082652050 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 5316' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "M" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>3900.48' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>5277.36 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1293602.64 | X: | X:<br>X:<br>X: |
| | Y:<br>10474140.48 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.857673203 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.083772726 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "MM" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): | | For structures, volume of all storage and pipelines (Bbls): | | | API Gravity of fluid | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>3920.48 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>5277.36 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1293602.64 | X: | X:<br>X:<br>X: |
| | Y:<br>10474160.48 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.857728218 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.083773296 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5350' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "N" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): | For structures, volume of all storage and pipelines (Bbls): | API Gravity of fluid | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 3900.48' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 5267.36' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1293612.64 | X: | X:<br>X:<br>X: |
| | Y: 10474140.48 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.857673454 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.083741841 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5350' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "NN" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S 3920.48 L | N/S Departure: F S L | N/S Departure: F L<br>N/S Departure: F L<br>N/S Departure: F L |
| | E/W Departure: F E 5267.36 L | E/W Departure: F W L | E/W Departure: F L<br>E/W Departure: F L<br>E/W Departure: F L |
| **Lambert X-Y coordinates** | X: 1293612.64 | X: | X:<br>X:<br>X: |
| | Y: 10474160.48 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.857728469 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.083742052 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5350' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "O" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): | For structures, volume of all storage and pipelines (Bbls): | API Gravity of fluid | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S 5194.87 L<br>E/W Departure: F E 2189.46' L | N/S Departure: F____ L<br>E/W Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1296690.54<br>Y: 10475434.87 | X:<br>Y: | X:<br>X:<br>X:<br>Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.861311016<br>Longitude -88.074161231 | Latitude<br>Longitude | Latitude<br>Latitude<br>Latitude<br>Longitude<br>Longitude<br>Longitude |
| | Water Depth (Feet): 5385' | MD (Feet):<br>TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet):<br>TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| | Anchor Radius (if applicable) in feet: | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "OO" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): | For structures, volume of all storage and pipelines (Bbls): | API Gravity of fluid | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 5214.87 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 2189.46' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1296690.54 | X: | X:<br>X:<br>X: |
| | Y: 10475454.87 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.861366032 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.074161797 | Longitude | Longitude<br>Longitude<br>Longitude |
| | Water Depth (Feet): 5385' | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| | Anchor Radius (if applicable) in feet: | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "P" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>5194.87 | N/S Departure: F S L | N/S Departure: F L<br>N/S Departure: F L<br>N/S Departure: F L |
| | E/W Departure: F E L<br>2169.46 | E/W Departure: F E L | E/W Departure: F L<br>E/W Departure: F L<br>E/W Departure: F L |
| **Lambert X-Y coordinates** | X:<br>1296710.54 | X: | X:<br>X:<br>X: |
| | Y:<br>10475434.87 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.861311514 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.074098739 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5385' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "PP | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>5214.87 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>2169.46 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1296710.54 | X: | X:<br>X:<br>X: |
| | Y:<br>10475454.87 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.861366530 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.074099305 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5385' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "Q" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>5194.87 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>2179.46 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1296700.54 | X: | X:<br>X:<br>X: |
| | Y:<br>10475434.87 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.861311265 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.074129985 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5385' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "QQ | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>5214.87 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>2179.46 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1296700.54 | X: | X:<br>X:<br>X: |
| | Y:<br>10475454.87 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.861366281 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.074130551 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5385' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "P" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>5144.65 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>2078.61 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1296801.39 | X: | X:<br>X:<br>X: |
| | Y:<br>10475384.65 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.861175631 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.073813450 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5385' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "PP" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>5164.65 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>2078.61 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1296801.39 | X: | X:<br>X:<br>X: |
| | Y:<br>10475404.65 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.861230647 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.073814016 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5385' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "Q" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>5144.65 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>2088.61 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1296791.39 | X: | X:<br>X:<br>X: |
| | Y:<br>10475384.65 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.861175382 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.073844696 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5385' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "QQ" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>5164.65 | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>2088.61 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1296791.39 | X: | X:<br>X:<br>X: |
| | Y:<br>10475404.65 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.861230398 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.073845261 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5385' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "R" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>6668.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>352.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1298527.85 | X: | X:<br>X:<br>X: |
| | Y:<br>10479411.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.872296370 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.068532421 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "RR" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>6643.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>352.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1298527.85 | X: | X:<br>X:<br>X: |
| | Y:<br>10479436.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.872365140 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.068533125 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "S" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L<br>6648.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L<br>352.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1298527.80 | X: | X:<br>X:<br>X: |
| | Y:<br>10479431.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.872351386 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.068532984 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "SS" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F N L 6623.20' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F E L 352.20' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1298527.80 | X: | X:<br>X:<br>X: |
| | Y: 10479456.80 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.872420156 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.068533688 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5460' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "T" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 19925 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 127 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 4161.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 7376.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306256.90 | X: | X:<br>X:<br>X: |
| | Y: 10474401.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.858703798 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.044241632 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5549' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "TT" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | |
|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 19925 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 127 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 4186.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 7376.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306256.90 | X: | X:<br>X:<br>X: |
| | Y: 10474426.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.858772568 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.044242319 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 5549' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "U" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 19925 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 127 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 4161.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 7366.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306246.90 | X: | X:<br>X:<br>X: |
| | Y: 10474401.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.858703556 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.044272878 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5549' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "UU" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 19925 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 127 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 4186.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 7366.90' | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306246.90 | X: | X:<br>X:<br>X: |
| | Y: 10474426.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.858772326 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.044273565 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5549' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "V" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 19925 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 127 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 4161.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 7386.90 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306266.90 | X: | X:<br>X:<br>X: |
| | Y: 10474401.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.858704040 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.044210387 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5549' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "VV" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 19925 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 127 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L 4186.70' | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L 7386.90 | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306266.90 | X: | X:<br>X:<br>X: |
| | Y: 10474426.70 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude 28.858772810 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude -88.044211074 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5549' | MD (Feet): | TVD (Feet): | MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet):<br>MD (Feet): TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "R" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No N-10117 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | For structures, volume of all storage and pipelines (Bbls): N/A | API Gravity of fluid N/A | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS<br>OCS-G 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>2812.88 FNL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>1798.07 FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1,284,838.07 | X: | X:<br>X:<br>X: |
| | Y:<br>10,483,267.12 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8825555 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1114244 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4,350' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "RR" | | | | | Previously reviewed under an approved EP or DOCD? | | Yes | X | No N-10117 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | | X Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS<br>OCS-G 18194 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 126 | | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>2762.9 FNL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>1798.1 FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1,284,838.10 | X: | X:<br>X:<br>X: |
| | Y:<br>10,483,317.10 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>18.8826930 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1114258 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4,350' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 82 "X" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No | N-10029/R-6940 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No | |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S ___ L<br>946.4' FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W ___ L<br>4172.37' FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1287212.37 | X: | X:<br>X:<br>X: |
| | Y:<br>10487026.40 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8929574 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1041136 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4515' | MD (Feet): N/A / TVD (Feet): N/A | | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 82 "XX" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | | No N-10029/R-6940 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S ___ L<br>946.56' FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W ___ L<br>4115.6' FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1287155.60 | X: | X:<br>X:<br>X: |
| | Y:<br>10487044.56 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8930059 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1042916 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4515' | | MD (Feet): N/A / TVD (Feet): N/A | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | N/A | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 82 "Y" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No N-10029/R-6940 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>946.4' FSL | N/S Departure: F L | N/S Departure: F L<br>N/S Departure: F L<br>N/S Departure: F L |
| | E/W Departure: F W L<br>4192.37' FWL | E/W Departure: F L | E/W Departure: F L<br>E/W Departure: F L<br>E/W Departure: F L |
| **Lambert X-Y coordinates** | X:<br>1287232.37 | X: | X:<br>X:<br>X: |
| | Y:<br>10487026.40 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8929579 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1040511 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4267' | | MD (Feet): N/A / TVD (Feet): N/A | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | N/A | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 82 "YY" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No N-10029 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>964.56' FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L<br>4095.6' FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1287135.60 | X: | X:<br>X:<br>X: |
| | Y:<br>10487044.56 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8930054 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1043541 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4267' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | N/A | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 82 "Z" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No | N-10029/R-6940 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No | |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>946.4' FSL | N/S Departure: F L | N/S Departure: F L<br>N/S Departure: F L<br>N/S Departure: F L |
| | E/W Departure: F W L<br>4152.37' FWL | E/W Departure: F L | E/W Departure: F L<br>E/W Departure: F L<br>E/W Departure: F L |
| **Lambert X-Y coordinates** | X:<br>1287192.37 | X: | X:<br>X:<br>X: |
| | Y:<br>10487026.40 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8929569 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1041761 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4549' | | MD (Feet): N/A / TVD (Feet): N/A | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | N/A | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 82 "ZZ" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | | No N-10029/R-6940 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | | API Gravity of fluid N/A | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S ___ L<br>964.56' FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W ___ L<br>4135.6' FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1287175.60 | X: | X:<br>X:<br>X: |
| | Y:<br>10487044.56 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8930064 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1042291 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4549' | | MD (Feet): N/A / TVD (Feet): N/A | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | N/A | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 81 "ZZ" | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No N-10029/R-6940 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | | | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>1143.73' FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L<br>4220.42' FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1287260.42 | X: | X:<br>X:<br>X: |
| | Y:<br>10487223.73 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8935014 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1039692 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4204' | | MD (Feet): N/A / TVD (Feet): N/A | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | N/A | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 126 "ZZ" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No N-10029/R-6940 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | N/A | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid N/A | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS 35313 | OCS | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | | |
| **Block No.** | 82 | | |
| **Blockline Departures (in feet)** | N/S Departure: F S L<br>1049.13' FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F W L<br>4076.02' FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1287116.02 | X: | X:<br>X:<br>X: |
| | Y:<br>10487129.13 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.8932375 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.1044177 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 4516' | | MD (Feet): N/A / TVD (Feet): N/A | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | N/A | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "WW" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No S-7840/R-7318 |
| Is this an existing well or structure? | | Yes | X | No | If this is an existing well or structure, list the Complex ID or API No. | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | x | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): n/a | For structures, volume of all storage and pipelines (Bbls): n/a | API Gravity of fluid | n/a |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS G-19925 | OCS G-19925 | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | Mississippi Canyon | |
| **Block No.** | 127 | 127 | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>4390'FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>7500'FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306380 | X: | X:<br>X:<br>X: |
| | Y: 10474630 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.859334789 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.043863274 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 5455' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "X" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No S-7840/R-7318 |
| Is this an existing well or structure? | | Yes | X | No | If this is an existing well or structure, list the Complex ID or API No. | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | x | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): n/a | For structures, volume of all storage and pipelines (Bbls): n/a | API Gravity of fluid | n/a |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS G-19925 | OCS G-19925 | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | Mississippi Canyon | |
| **Block No.** | 127 | 127 | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>4144'FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>7558'FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306438 | X: | X:<br>X:<br>X: |
| | Y: 10474384 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.858659490 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.043675290 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5455' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | N/A | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "XX" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No S-7840/R-7318 |
| Is this an existing well or structure? | | Yes | X | No | If this is an existing well or structure, list the Complex ID or API No. | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | x | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): n/a | For structures, volume of all storage and pipelines (Bbls): n/a | API Gravity of fluid | n/a |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS G-19925 | OCS G-19925 | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | Mississippi Canyon | |
| **Block No.** | 127 | 127 | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>4109'FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>7500'FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306380 | X: | X:<br>X:<br>X: |
| | Y: 10474349 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.858561808 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.043855552 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 5455' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "Y" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No S-7840/R-7318 |
| Is this an existing well or structure? | | Yes | X | No | If this is an existing well or structure, list the Complex ID or API No. | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | x | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): n/a | For structures, volume of all storage and pipelines (Bbls): n/a | API Gravity of fluid | n/a |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS G-19925 | OCS G-19925 | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | Mississippi Canyon | |
| **Block No.** | 127 | 127 | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>4123'FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>7293'FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306173 | X: | X:<br>X:<br>X: |
| | Y: 10474363 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.858595310 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.044502718 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 5455' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "YY" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No S-7840/R-7318 |
| Is this an existing well or structure? | | Yes | X | No | If this is an existing well or structure, list the Complex ID or API No. | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | x | Yes | | No |

| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): n/a | For structures, volume of all storage and pipelines (Bbls): n/a | API Gravity of fluid | n/a |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS G-19925 | OCS G-19925 | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | Mississippi Canyon | |
| **Block No.** | 127 | 127 | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>4109'FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>7368'FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306248 | X: | X:<br>X:<br>X: |
| | Y: 10474349 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.858558614 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.044268000 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 5455' | MD (Feet): | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "Z" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No | S-7840/R-7318 |
| Is this an existing well or structure? | | Yes | | No X | If this is an existing well or structure, list the Complex ID or API No. | | | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | X | Yes | | No | |
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): N/A | | | | For structures, volume of all storage and pipelines (Bbls): N/A | | API Gravity of fluid | | N/A | |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS G-19925 | OCS G-19925 | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | Mississippi Canyon | |
| **Block No.** | 127 | 127 | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>4290'FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>7325'FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X:<br>1306205 | X: | X:<br>X:<br>X: |
| | Y:<br>10474530 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.859055472 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.04407324 | Longitude | Longitude<br>Longitude<br>Longitude |
| Water Depth (Feet): 5455' | | MD (Feet): / TVD (Feet): | MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet):<br>MD (Feet): / TVD (Feet): |
| Anchor Radius (if applicable) in feet: | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

**OCS PLAN INFORMATION FORM (CONTINUED)**
**Include one copy of this page for each proposed well/structure**

## Proposed Well/Structure Location

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Well or Structure Name/Number (If renaming well or structure, reference previous name): MC 127 "ZZ" | | | | | Previously reviewed under an approved EP or DOCD? | X | Yes | | No S-7840/R-7318 |
| Is this an existing well or structure? | | Yes | | No x | If this is an existing well or structure, list the Complex ID or API No. | n/a | | | |
| Do you plan to use a subsea BOP or a surface BOP on a floating facility to conduct your proposed activities? | | | | | | x | Yes | | No |

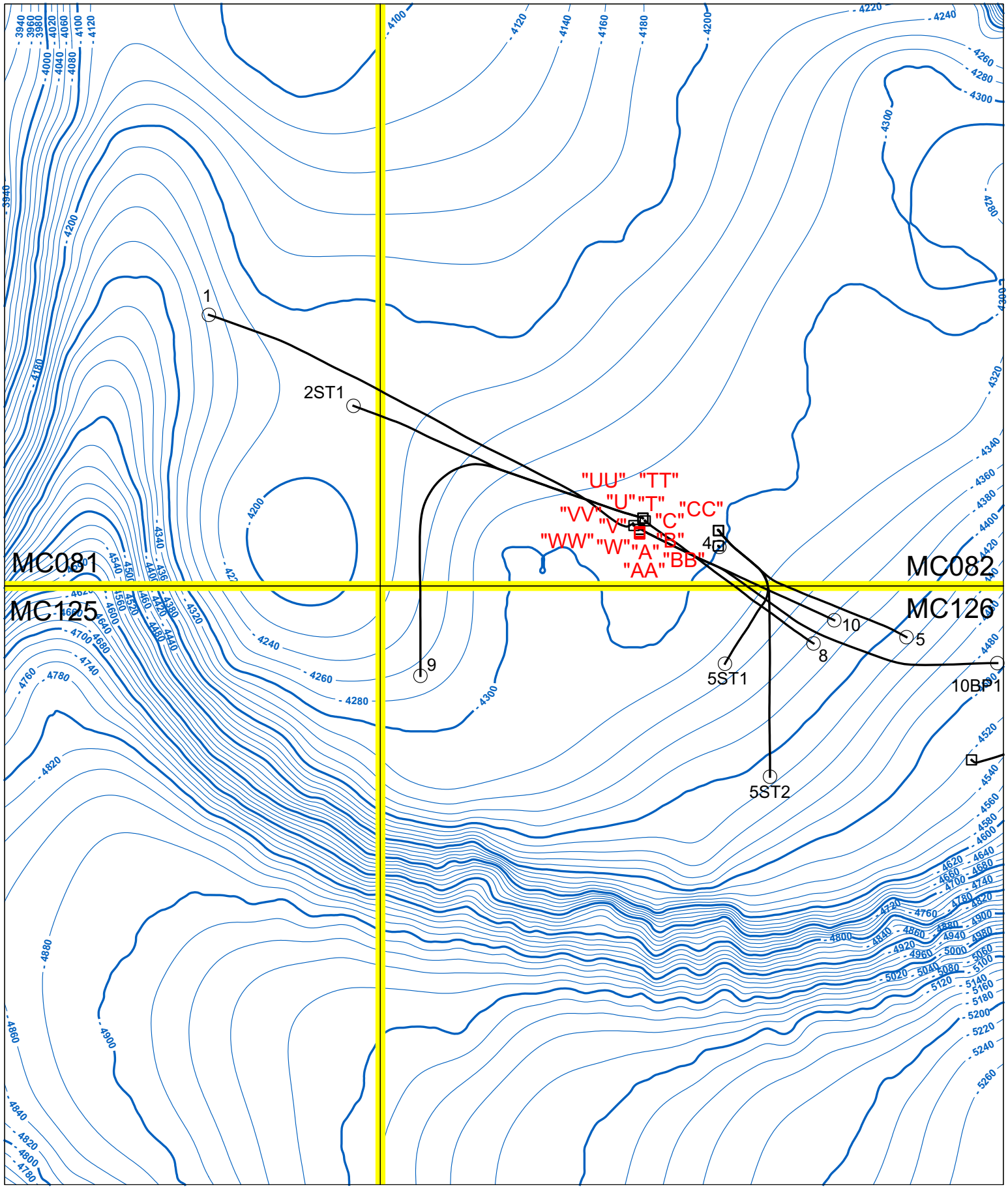
| | | | | |
|---|---|---|---|---|
| **WCD info** | For wells, volume of uncontrolled blowout (Bbls/day): n/a | For structures, volume of all storage and pipelines (Bbls): n/a | API Gravity of fluid | n/a |

| | **Surface Location** | **Bottom-Hole Location (For Wells)** | **Completion (For multiple completions, enter separate lines)** |
|---|---|---|---|
| **Lease No.** | OCS G-19925 | OCS G-19925 | OCS<br>OCS |
| **Area Name** | Mississippi Canyon | Mississippi Canyon | |
| **Block No.** | 127 | 127 | |
| **Blockline Departures (in feet)** | N/S Departure: F____ L<br>4290'FSL | N/S Departure: F____ L | N/S Departure: F____ L<br>N/S Departure: F____ L<br>N/S Departure: F____ L |
| | E/W Departure: F____ L<br>7225'FWL | E/W Departure: F____ L | E/W Departure: F____ L<br>E/W Departure: F____ L<br>E/W Departure: F____ L |
| **Lambert X-Y coordinates** | X: 1306105 | X: | X:<br>X:<br>X: |
| | Y: 10474530 | Y: | Y:<br>Y:<br>Y: |
| **Latitude/ Longitude** | Latitude<br>28.859053052 | Latitude | Latitude<br>Latitude<br>Latitude |
| | Longitude<br>-88.044719780 | Longitude | Longitude<br>Longitude<br>Longitude |

| | | | | |
|---|---|---|---|---|
| Water Depth (Feet): 5455' | MD (Feet): ' | TVD (Feet): | MD (Feet):<br>MD (Feet):<br>MD (Feet): | TVD (Feet):<br>TVD (Feet):<br>TVD (Feet): |
| Anchor Radius (if applicable) in feet: | N/A | | | |

## Anchor Locations for Drilling Rig or Construction Barge (If anchor radius supplied above, not necessary)

| Anchor Name or No. | Area | Block | X Coordinate | Y Coordinate | Length of Anchor Chain on Seafloor |
|---|---|---|---|---|---|
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |
| | | | X = | Y = | |

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FEET

NAD27 / BLM 16N (ftUS) (ESPG 32066)
Transverse Mercator
Clark 1866 spheroid
Natural origin: [87 00 00W, 0 00 00N]

N

Public Locations are listed on the following page.

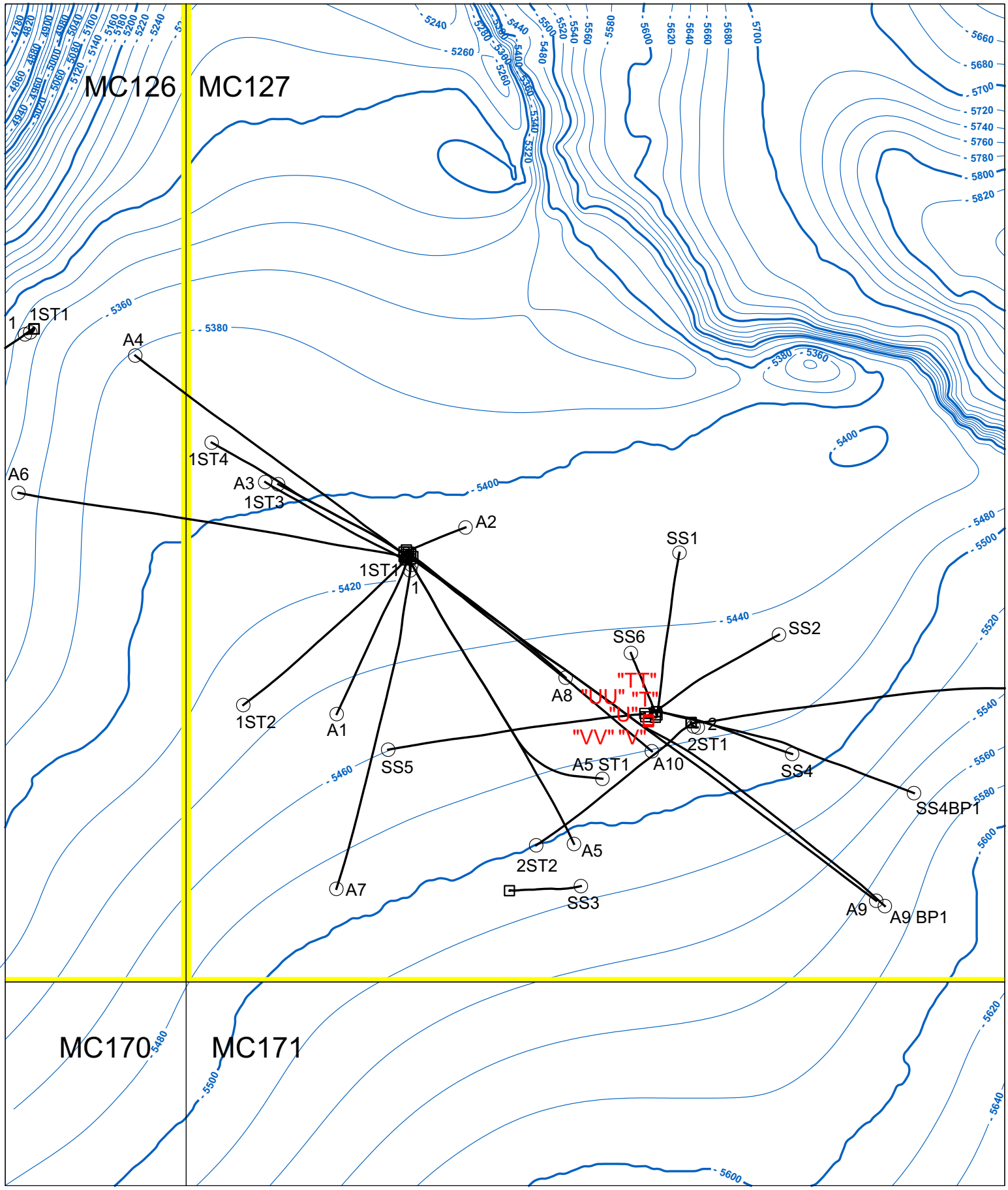
Anadarko Petroleum Corporation

**MC 81 OCS-G-35312 & MC 126 OCS-G-18194**
**Public Locations and Bathymetry Map**

| Scale: 1"=2000' | Date: 05/03/2024 | Author: R. Bennett |
|---|---|---|

# MC 81 & MC 126 Public Locations

| Well Name | Location | Footages | | X (ft) | Y (ft) | Latitude | Longitude | Water Depth |
|---|---|---|---|---|---|---|---|---|
| MC 81 "T" | SHL MC 82 | 838.70 FSL | 4143.90 FWL | 1287183.90 | 10486918.70 | 28.892660360 | -88.104199462 | 4381' |
| | | | | | | | | |
| MC 81 "TT" | SHL MC 82 | 863.70 FSL | 4143.90 FWL | 1287183.90 | 10486943.70 | 28.892729128 | -88.104200189 | 4381' |
| | | | | | | | | |
| MC 81 "U" | SHL MC 82 | 838.70 FSL | 4133.90 FWL | 1287173.90 | 10486918.70 | 28.892660103 | -88.104230717 | 4381' |
| | | | | | | | | |
| MC 81 "UU" | SHL MC 82 | 863.70 FSL | 4133.90 FWL | 1287173.90 | 10486943.70 | 28.892728872 | -88.104231444 | 4381' |
| | | | | | | | | |
| MC 81 "V" | SHL MC 82 | 838.70 FSL | 4153.90 FWL | 1287193.90 | 10486918.70 | 28.892660616 | -88.104168207 | 4381' |
| | | | | | | | | |
| MC 81 "VV" | SHL MC 82 | 863.70 FSL | 4153.90 FWL | 1287193.90 | 10486943.70 | 28.892729385 | -88.104168934 | 4381' |
| | | | | | | | | |
| MC 81 "W" | SHL MC 82 | 848.70 FSL | 4143.90 FWL | 1287183.90 | 10486928.70 | 28.892687867 | -88.104199753 | 4381' |
| | | | | | | | | |
| MC 81 "WW" | SHL MC 82 | 873.70 FSL | 4143.90 FWL | 1287183.90 | 10486953.70 | 28.892756636 | -88.104200480 | 4381' |
| | | | | | | | | |
| MC 126 "A" | SHL MC 82 | 828.70 FSL | 4143.90 FWL | 1287183.90 | 10486908.70 | 28.892632852 | -88.104199170 | 4381' |
| | | | | | | | | |
| MC 126 "AA" | SHL MC 82 | 853.70 FSL | 4143.90 FWL | 1287183.90 | 10486933.70 | 28.892701621 | -88.104199898 | 4381' |
| | | | | | | | | |
| MC 126 "B" | SHL MC 82 | 838.70 FSL | 4123.90 FWL | 1287163.90 | 10486918.70 | 28.892659847 | -88.104261972 | 4381' |
| | | | | | | | | |
| MC 126 "BB" | SHL MC 82 | 863.70 FSL | 4123.90 FWL | 1287163.90 | 10486943.70 | 28.892728616 | -88.104262699 | 4381' |
| | | | | | | | | |
| MC 126 "C" | SHL MC 82 | 838.70 FSL | 4163.90 FWL | 1287203.90 | 10486918.70 | 28.892660872 | -88.104136951 | 4381' |
| | | | | | | | | |
| MC 126 "CC" | SHL MC 82 | 863.70 FSL | 4163.90 FWL | 1287203.90 | 10486943.70 | 28.892729641 | -88.104137679 | 4381' |

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FEET

NAD27 / BLM 16N (ftUS) (ESPG 32066)
Transverse Mercator
Clark 1866 spheroid
Natural origin: [87 00 00W, 0 00 00N]

N

Public Locations are listed on the following page.

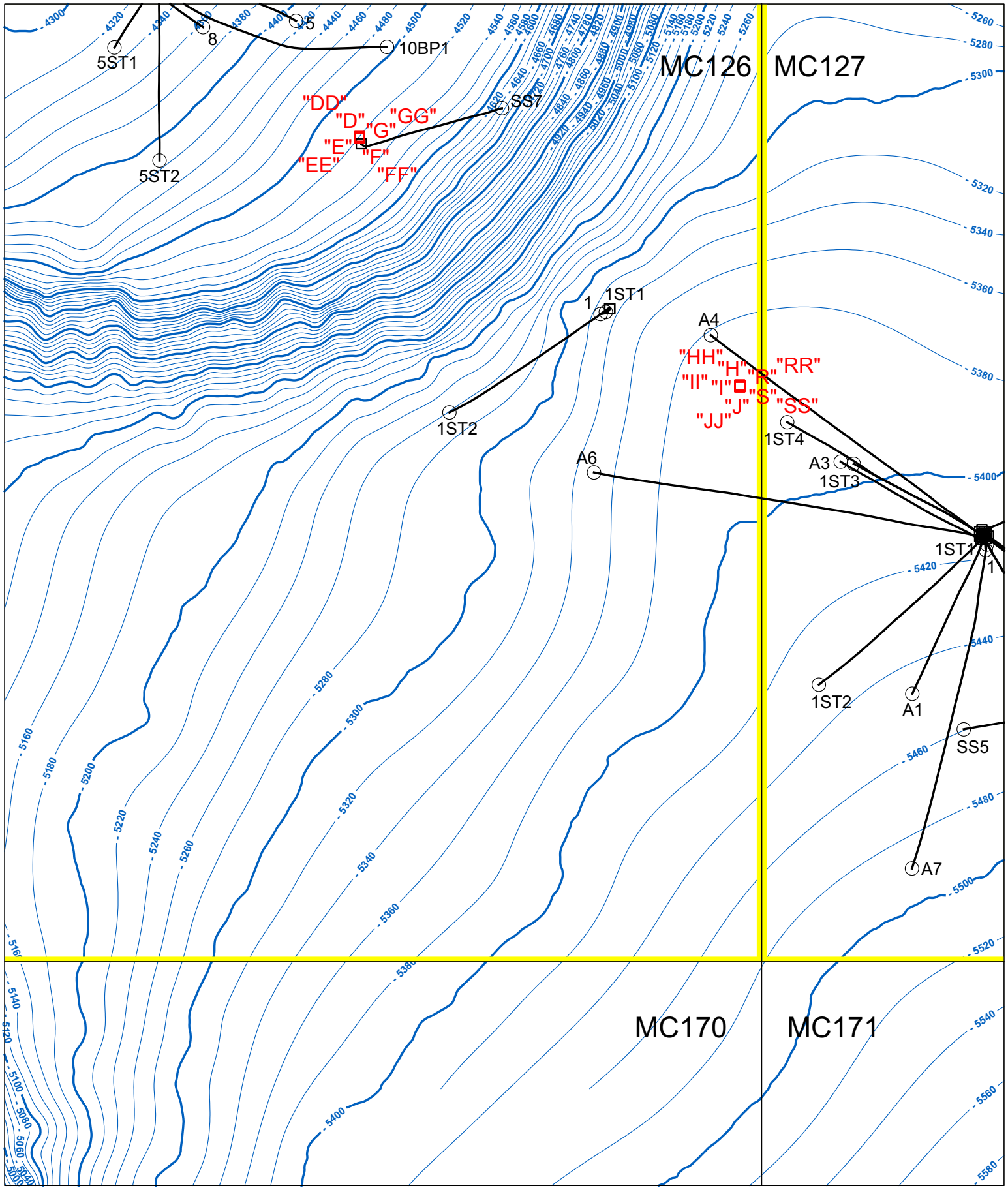
Anadarko Petroleum Corporation

**MC 127 OCS-G-19925**
**Public Locations and Bathymetry Map**

| Scale: 1" = 2000' | Date: 04/03/2025 | Author: R. Bennett |
|---|---|---|

# MC 127 Public Locations

| Well Name | Location | Footages | | X (ft) | Y (ft) | Latitude | Longitude | Water Depth |
|---|---|---|---|---|---|---|---|---|
| MC 127 "T" | SHL MC 127 | 4161.70 FSL | 7376.90 FWL | 1306256.90 | 10474401.70 | 28.858703798 | -88.044241632 | 5549' |
| | | | | | | | | |
| MC 127 "TT" | SHL MC 127 | 4186.70 FSL | 7376.90 FWL | 1306256.90 | 10474426.70 | 28.858772568 | -88.044242319 | 5549' |
| | | | | | | | | |
| MC 127 "U" | SHL MC 127 | 4161.70 FSL | 7366.90 FWL | 1306246.90 | 10474401.70 | 28.858703556 | -88.044272878 | 5549' |
| | | | | | | | | |
| MC 127 "UU" | SHL MC 127 | 4186.70 FSL | 7366.90 FWL | 1306246.90 | 10474426.70 | 28.858772326 | -88.044273565 | 5549' |
| | | | | | | | | |
| MC 127 "V" | SHL MC 127 | 4161.70 FSL | 7386.90 FWL | 1306266.90 | 10474401.70 | 28.858704040 | -88.044210387 | 5549' |
| | | | | | | | | |
| MC 127 "VV" | SHL MC 127 | 4186.70 FSL | 7386.90 FWL | 1306266.90 | 10474426.70 | 28.858772810 | -88.044211074 | 5549' |

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FEET

NAD27 / BLM 16N (ftUS) (ESPG 32066)
Transverse Mercator
Clark 1866 spheroid
Natural origin: [87 00 00W, 0 00 00N]

N

Public Locations are listed on the following page.

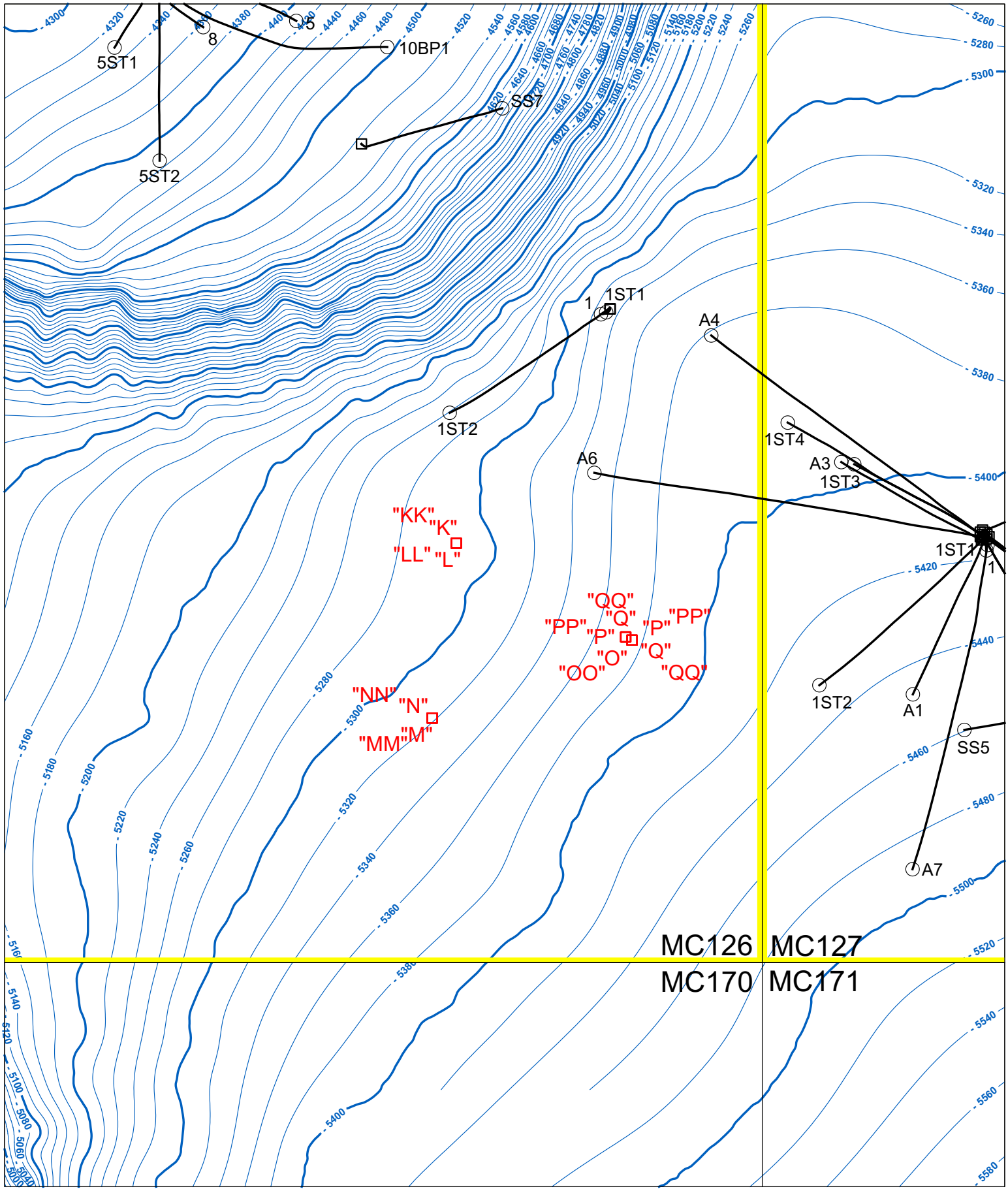
Anadarko Petroleum Corporation

**MC 126 OCS-G-18194 & MC 127 OCS-G-19925**
**Public Locations and Bathymetry Map**

| Scale: 1" = 2000' | Date: 04/03/2025 | Author: R. Bennett |
|---|---|---|

# MC 126 Public Locations

| Well Name | Location | Footages | | X (ft) | Y (ft) | Latitude | Longitude | Water Depth |
|---|---|---|---|---|---|---|---|---|
| MC 126 "D" | SHL MC 126 | 2690.10 FNL | 6421.50 FEL | 1292458.50 | 10483389.90 | 28.883087544 | -88.087612468 | 4630' |
| | | | | | | | | |
| MC 126 "DD" | SHL MC 126 | 2665.10 FNL | 6421.50 FEL | 1292458.50 | 10483414.90 | 28.883156313 | -88.087613185 | 4630' |
| | | | | | | | | |
| MC 126 "E" | SHL MC 126 | 2690.10 FNL | 6431.50 FEL | 1292448.50 | 10483389.90 | 28.883087291 | -88.087643721 | 4630' |
| | | | | | | | | |
| MC 126 "EE" | SHL MC 126 | 2665.10 FNL | 6431.50 FEL | 1292448.50 | 10483414.90 | 28.883156061 | -88.087644437 | 4630' |
| | | | | | | | | |
| MC 126 "F" | SHL MC 126 | 2690.10 FNL | 6411.50 FEL | 1292468.50 | 10483389.90 | 28.883087796 | -88.087581216 | 4630' |
| | | | | | | | | |
| MC 126 "FF" | SHL MC 126 | 2665.10 FNL | 6411.50 FEL | 1292468.50 | 10483414.90 | 28.883156565 | -88.087581932 | 4630' |
| | | | | | | | | |
| MC 126 "G" | SHL MC 126 | 2700.10 FNL | 6421.50 FEL | 1292458.50 | 10483379.90 | 28.883060036 | -88.087612182 | 4630' |
| | | | | | | | | |
| MC 126 "GG" | SHL MC 126 | 2675.10 FNL | 6421.50 FEL | 1292458.50 | 10483404.90 | 28.883128805 | -88.087612898 | 4630' |
| | | | | | | | | |
| MC 126 "H" | SHL MC 126 | 6658.20 FNL | 352.20 FEL | 1298527.80 | 10479421.80 | 28.872323878 | -88.068532703 | 5460' |
| | | | | | | | | |
| MC 126 "HH" | SHL MC 126 | 6633.20 FNL | 352.20 FEL | 1298527.80 | 10479446.80 | 28.872392648 | -88.068533406 | 5460' |
| | | | | | | | | |
| MC 126 "I" | SHL MC 126 | 6658.20 FNL | 362.20 FEL | 1298517.80 | 10479421.80 | 28.872323630 | -88.068563952 | 5460' |
| | | | | | | | | |
| MC 126 "II" | SHL MC 126 | 6633.20 FNL | 362.20 FEL | 1298517.80 | 10479446.80 | 28.872392400 | -88.068564656 | 5460' |
| | | | | | | | | |
| MC 126 "J" | SHL MC 126 | 6658.20 FNL | 342.20 FEL | 1298537.80 | 10479421.80 | 28.872324126 | -88.068501453 | 5460' |
| | | | | | | | | |
| MC 126 "JJ" | SHL MC 126 | 6633.20 FNL | 342.20 FEL | 1298537.80 | 10479446.80 | 28.872392896 | -88.068502157 | 5460' |
| | | | | | | | | |
| MC 127 "R" | SHL MC 126 | 6668.20 FNL | 352.20 FEL | 1298527.80 | 10479411.80 | 28.872296370 | -88.068532421 | 5460' |
| | | | | | | | | |
| MC 127 "RR" | SHL MC 126 | 6643.20 FNL | 352.20 FEL | 1298527.80 | 10479436.80 | 28.872365140 | -88.068533125 | 5460' |
| | | | | | | | | |
| MC 127 "S" | SHL MC 126 | 6648.20 FNL | 352.20 FEL | 1298527.80 | 10479431.80 | 28.872351386 | -88.068532984 | 5460' |
| | | | | | | | | |
| MC 127 "SS" | SHL MC 126 | 6623.20 FNL | 352.20 FEL | 1298527.80 | 10479456.80 | 28.872420156 | -88.068533688 | 5460' |

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FEET

NAD27 / BLM 16N (ftUS) (ESPG 32066)
Transverse Mercator
Clark 1866 spheroid
Natural origin: [87 00 00W, 0 00 00N]

N

Public Locations are listed on the following page.

Anadarko Petroleum Corporation

**MC 126 OCS-G-18194 & MC 127 OCS-G-19925**
**Public Locations and Bathymetry Map**

| Scale: 1" = 2000' | Date: 04/03/2025 | Author: R. Bennett |
|---|---|---|

# MC 126 Public Locations

| Well Name | Location | Footages | | X (ft) | Y (ft) | Latitude | Longitude | Water Depth |
|---|---|---|---|---|---|---|---|---|
| MC 126 "K" | SHL MC 126 | 6689.50 FSL | 4883.06 FEL | 1293996.94 | 10476929.50 | 28.865355105 | -88.082620233 | 5,316 |
| | | | | | | | | |
| MC 126 "KK" | SHL MC 126 | 6709.50 FSL | 4883.06 FEL | 1293996.94 | 10476949.50 | 28.865410120 | -88.082620803 | 5,316 |
| | | | | | | | | |
| MC 126 "L" | SHL MC 126 | 6689.50 FSL | 4893.06 FEL | 1293986.94 | 10476929.50 | 28.865354854 | -88.082651480 | 5,316 |
| | | | | | | | | |
| MC 126 "LL" | SHL MC 126 | 6709.50 FSL | 4893.06 FEL | 1293986.94 | 10476949.50 | 28.865409869 | -88.082652050 | 5,316 |
| | | | | | | | | |
| MC 126 "M" | SHL MC 126 | 3900.48 FSL | 5277.36 FEL | 1293602.64 | 10474140.48 | 28.857673203 | -88.083772726 | 5,350 |
| | | | | | | | | |
| MC 126 "MM" | SHL MC 126 | 3920.48 FSL | 5277.36 FEL | 1293602.64 | 10474160.48 | 28.857728218 | -88.083773296 | 5,350 |
| | | | | | | | | |
| MC 126 "N" | SHL MC 126 | 3900.48 FSL | 5267.36 FEL | 1293612.64 | 10474140.48 | 28.857673454 | -88.083741481 | 5,350 |
| | | | | | | | | |
| MC 126 "NN" | SHL MC 126 | 3920.48 FSL | 5267.36 FEL | 1293612.64 | 10474160.48 | 28.857728469 | -88.083742052 | 5,350 |
| | | | | | | | | |
| MC 126 “O” | SHL MC 126 | 5194.87 FSL | 2189.46 FEL | 1296690.54 | 10475434.87 | 28.861311016 | -88.074161231 | 5,385 |
| | | | | | | | | |
| MC 126 “OO” | SHL MC 126 | 5214.87 FSL | 2189.46 FEL | 1296690.54 | 10475454.87 | 28.861366032 | -88.074161797 | 5,385 |
| | | | | | | | | |
| MC 126 “P” | SHL MC 126 | 5194.87 FSL | 2169.46 FEL | 1296710.54 | 10475434.87 | 28.861311514 | -88.074098739 | 5,385 |
| | | | | | | | | |
| MC 126 “PP” | SHL MC 126 | 5214.87 FSL | 2169.46 FEL | 1296710.54 | 10475454.87 | 28.861366530 | -88.074099305 | 5,385 |
| | | | | | | | | |
| MC 126 “Q” | SHL MC 126 | 5194.87 FSL | 2179.46 FEL | 1296700.54 | 10475434.87 | 28.861311265 | -88.074129985 | 5,385 |
| | | | | | | | | |
| MC 126 “QQ” | SHL MC 126 | 5214.87 FSL | 2179.46 FEL | 1296700.54 | 10475454.87 | 28.861366281 | -88.074130551 | 5,385 |
| | | | | | | | | |
| MC 127 “P” | SHL MC 126 | 5144.65 FSL | 2078.61 FEL | 1296801.39 | 10475384.65 | 28.861175631 | -88.073813450 | 5,385 |
| | | | | | | | | |
| MC 127 “PP” | SHL MC 126 | 5164.65 FSL | 2078.61 FEL | 1296801.39 | 10475404.65 | 28.861230647 | -88.073814016 | 5,385 |
| | | | | | | | | |
| MC 127 “Q” | SHL MC 126 | 5144.65 FSL | 2088.61 FEL | 1296791.39 | 10475384.65 | 28.861175382 | -88.073844696 | 5,385 |
| | | | | | | | | |
| MC 127 “QQ” | SHL MC 126 | 5164.65 FSL | 2088.61 FEL | 1296791.39 | 10475404.65 | 28.861230398 | -88.073845261 | 5,385 |

# B
# GENERAL INFORMATION

## (a) Applications and Permits

Prior to beginning exploration operations the following application(s) will be submitted for approval:

| Application/Permit | Issuing Agency | Status |
|---|---|---|
| Permits to Drill | BSEE Bureau of Safety and Environmental Enforcement (BSEE) | To be submitted |

## (b) Drilling Fluids

| Type of Drilling Fluid | Estimated Volume Per Well |
|---|---|
| Water-based (NaCl saturated, seawater, freshwater, barite**) for Pump and Dump | 6,000 bbls per well* |
| Synthetic-based (internal olefin, ester) | 9,000 bbls per well |
| Oil-based | NA |

**The actual volume ordered out will be an estimated 9,000 bbls/well of mud. Once on location this volume will be cut back and mixed with seawater to different desired mud weights which will increase the volume that is discharged at the seafloor. The estimated volume that will be discharged at the seafloor will be approximately 18,000 bbls/well (NOTE: there will be fifty-six (56) wells drilled for a total of 1,008,000 bbls).*

***The water-based drilling fluids used by Anadarko are not prohibited and meet the limitations set in Section B.1 of NPDES Permit GMG290000 for Drilling Fluids. The limitation set in the permit for cadmium and mercury in barite is confirmed through stock samples prior to discharge.*

## (c) New or Unusual Technology

Anadarko does not propose to use any new or unusual technology to drill the well proposed in this plan.

## (d) Bonding Statement

The bond requirements for the activities and facilities proposed in this EP are satisfied by an area-wide bond furnished and maintained according to 30 CFR part 256, subpart I; NTL No. 2015-N04, "General Financial Assurance," and National NTL No. 2016-N01 "Requiring Additional Security".

## (e) Oil Spill Financial Responsibility (OSFR)

Anadarko Petroleum Corporation (Company Number 00981) has demonstrated oil spill financial responsibility for the facilities proposed in this EP according to 30 CFR Part 253, and NTL No. 2008-N05, "Guidelines for Oil Spill Financial Responsibility for Covered Facilities".

## (f) Deepwater Well Control Statement

Anadarko Petroleum Corporation (Company Number 00981) has the financial capability to drill a relief well and conduct other emergency well control operations if required.

## (g) Blowout Scenario

Anadarko prepared this blowout scenario pursuant to guidance provided in NTL No. 2015-N01. The Mississippi Canyon Block 126 Location "Y", from previously approved Exploration Plan Control No. N-10029, is addressed in this blowout scenario since it is the proposed location with the highest potential worst case discharge (WCD). A similar approach would be taken in the event of a blowout from the other wells proposed in Mississippi Canyon Blocks 81, 82, 126 and 127. Based on NTL No. 2015-N01 guidance, the maximum hydrocarbon discharge from Mississippi Canyon Block 126 Location "Y" is calculated to be 371,735 BOPD.

**Purpose**

This information provides a generic blowout scenario, additional information regarding any potential oil spill, the measures Anadarko will take to prevent a blowout, and if necessary, promptly respond to manage a blowout scenario if one occurs. The following information is pursuant with 30 CFR 550.213(g), 550.219, 550.250 and NTL No. 2015-N01.

**Background**

Anadarko prepared this blowout scenario pursuant to guidance provided in NTL No. 2015-N01. Mississippi Canyon Block 126 Location "Y" is addressed in this blowout scenario since it is the location with the highest potential worst case discharge (WCD). Based on NTL No. 2015-N01 guidance, the maximum hydrocarbon discharge for Mississippi Canyon Block 126 Location "Y" is calculated to be 371,735 BOPD.

**Information Requirements**

The objectives are drilled utilizing a MODU rig with a marine riser and sub-sea BOP. A typical sub-sea wellhead system, conductor, surface and intermediate casing program will be used. A hydrocarbon influx occurs, followed by a well control event from the objective sands. The sub-sea BOP and marine riser fails and a blow-out at the seabed occurs. The WCD scenario assumes 12 ¼" open hole below salt to a 9 7/8" casing point (but casing is not set). Exposed sands in the primary objective are the WCD scenario.

**Estimated Flow Rate of the Potential Blowout**

| | |
|---|---|
| Category | EP |
| Type of Activity | Drilling |
| Facility Location (area/block) | MC 126 "Y" |
| Facility Designation | MODU |
| Distance to Nearest Shoreline (miles) | 53 miles |
| Uncontrolled Blowout (volume per day) | 371,735 bbl |
| Type of Fluid(s) | Crude Oil |

**a) Potential for the well to bridge over:**

**Formation collapse and bridging is expected in a blowout scenario, sanding would occur.**

Mechanical collapse of the reservoirs in the open-hole section of the wellbore was not considered in determining WCD. During a worst case discharge event, the open hole portion of the well will be exposed to a substantial underbalance condition. Due to the unconsolidated nature of the formations contributing flow and the relatively weak remaining exposed sediments, a significant quantity sand and heaving shale will enter the flowstream. The presence of sediments in the flowstream are excluded from Anadarko's discharge calculations and assumes no bridging will occur, however, bridging is likely to occur.

**b) Likelihood and measures taken for surface and/or sub-sea intervention to stop the blowout:**

The likelihood of surface intervention to stop a blowout is high. In addition to the surface intervention equipment the contracted MODU will have the equipment / ability to perform the following:

ROV Secondary BOP Control System: The BOP is confirmed to have a ROV Intervention Panel and circuits that have the following attributes:

- ROV Intervention is capable of Opening and Closing each Shear Ram, Ram Locks, One Pipe Ram and Disconnect the LMRP, all under MASP conditions.
- ROV Intervention is to be tested during the initial stump test and during the initial BOP latch up.
- BOP panels also can be operated by an ROV from an independent supply boat in the event of a loss-of-rig scenario.

Deadman/Autoshear Function: The rig is equipped with an automated sequence that closes the blind shear rams in the event of any of the following scenarios:

- Inadvertent disconnect of the LMRP
- Loss of both hydraulic pressure and electrical supply from the surface BOP control system
- No human interface is required once these systems are armed.

**c) Availability of a rig to drill a relief well:**

Per the preliminary Mutual Aid agreements that are being worked between E&P Operators in the Gulf of Mexico, Anadarko will select from the best rig option available in the Gulf of Mexico fleet if and when it is required for relief well work. A rig that could be used to drill a relief well is the *Valaris DS-16* drillship, which is a drillship capable of drilling in 12,000 ft. of water without any constraints. The rig is currently under contract to Anadarko.

There are no nearby platforms from which to drill a relief well.

It is not feasible to drill a relief well from land.

**d) Rig constraints:**

The minimum capability for a Drilling Rig, is to be able to drilling in 5,000 ft. of water, to a depth of greater than 15,000 ft. TVD, and a 15k BOP Stack to drill a relief well. The *Valaris DS-16* drillship meets these requirements.

**e) Time taken to mobilize a rig and drill a relief well:**

An estimate of 7-21 days is required to suspend operations on a deepwater GOM well and begin drilling the relief well. This assumes 0-14 days to suspend current operations on an existing well and 7 days to mobilize and be ready to spud the relief well. The estimated time to drill the relief well to a blowout originating from the target zone is 25-35 days, for a total estimated time of 32-56 days from time of blowout to finishing the relief well.

**f) Assumptions and calculations used in approved or proposed Oil Spill Response Plan:**

- The maximum total volume during a blowout could potentially be **20,817,160 bbl** assuming 56 days for the maximum duration of a blowout, multiplied by the worst case daily uncontrolled blowout volume of 371,735 BOPD.

**g) Measures taken to enhance ability to prevent a blowout:**

- **Well Design**: Anadarko utilizes a systematic well design process for the planning and construction of a well operation. This process taps into the vast depth of experience Anadarko possesses in the Deep Water drilling arena and involves a multi-team peer review of the well design, shallow hazards, and formation pressure hazards expected during drilling. This process minimizes the potential for an unplanned well control event that could lead to a blowout. This process will also include a Registered Professional Engineer review and approval of the final casing design and cementing program.

A detailed pre-drill assessment of formation pressure provided by Anadarko's Geological and Geophysical team, along with third-party consultants, allows for a mud program that provides an overbalanced mud weight for the safe drilling of the well. For an exploration well, this may also include taking formation pressures to confirm the actual formation pressure during the well construction process to minimize the risk of an unplanned well control event. The pore pressure environment is understood due to the nearby offset wells.

The well construction process also requires a systematic review and management acceptance of the start-up preparation work for the rig and crews and the third-party technical audit work on the rig and the rig's well control equipment. This measures the rig's ability to handle an unplanned well control event and provide assurance that the rig can successfully mitigate a loss of well control event and prevent it from becoming a blowout scenario.

- **Barrier Philosophy**: For all well designs, Anadarko requires and uses a redundant barrier philosophy—that being two independent tested barriers including one mechanical barrier—across each flow path during well operations.

For the final casing string (or liner if it is the final string), there shall be two mechanical barriers in addition to cement inside the wellbore.

It is also standard practice to conduct pressure testing, in accordance with the law, to confirm integrity on all relevant barriers.

In addition, all intermediate and production casings returned to the wellhead will be locked down before subsequent wellbore construction is proceeded.

- **BOP and Well Control Equipment**: The rig will have an 18-3/4" 15k psi BOP with primary and secondary BOP control systems. The BOP will have been completely recertified compliant to OEM specifications by a qualified third-party. Prior to commencement of operations, independent third-party verification will be obtained that the sub-sea BOP is designed for the specific equipment on the rig and this specific well design. 250.731(c) and (d).

- **BOP and Well Control Equipment Testing**: To ensure effectiveness of the BOP and well control equipment, a testing program will be conducted prior to running the BOP and then during the well operations. This testing program will provide compliance with current federal regulations for pressure and function testing and will also provide periodic assurance on the performance of both primary and secondary BOP control systems including actual interface operations with the ROV and the ROV panel.

- **Well Control Training and Drills**: Anadarko requires that key nominated onshore and offshore positions, including rig contractor personnel, hold a WellCAP or equivalent well control training certificate, renewable every two years for the type of floating drilling operation being conducted. Anadarko also monitors compliance for its personnel with the federal regulations and Sub-Part O for well control training.

A comprehensive program of well control drills will be conducted offshore to ensure readiness to identify and then manage a well control situation and thereby minimize the potential for a well control event to lead to a blowout scenario.

**h) Arrangements for drilling a relief well:**

- Anadarko maintains a master agreement with Wild Well Control, Inc. for advice, management, engineering, well kick pre- and post-modeling, and resource support for an unplanned loss-of-well-control event. If any well control event occurs, Wild Well Control, Inc. would be contacted and mobilized if required to support Anadarko's operational team, both in the onshore and offshore locations.

- The conceptual relief well design is similar to the design of the Mississippi Canyon Block 126 “Y” well, in that casing weights, grades, and setting points would be very similar. Site clearance letters for surface locations will be completed and deemed acceptable for drilling prior to any drilling operations. Depending on the nature of the blowout scenario, well geometry, and total depth required to intersect the blowout, previously submitted surface locations and/or additional surface locations would be submitted and all reviewed for best suitability for the location of the relief well if needed. The conceptual well design is not anticipated to take over 2 days to finalize upon initialization.

- Anadarko’s philosophy is to carry adequate inventory in stock to drill a complete well(s) from surface to TD. Back-up long-lead equipment equivalent to the original well design will be carried in stock to allow a rapid response. This includes a spare deepwater sub-sea wellhead system and the large OD casing (36”, 28”, 22”, 14”, and 13-5/8”) and connectors required. Smaller OD casing (9 7/8”) is considered widely available on the ground in the GOM and would be resourced out of existing inventory or from suppliers as required.

- Existing service agreements will be in place for support services, including drilling fluids, casing running, cementing, ROVs, solids control, mud logging, directional drilling, LWD/MWD, logging, boats, and helicopters.

- Specialist services for range finding to drill the relief well in close proximity to the original wellbore at the reservoir depth will be provided through Vector Magnetics LLC. Sperry Drilling/Halliburton and Baker Hughes have in-house personnel to supplement Vector Magnetics LLC under our existing directional drilling agreements.

# C

# GEOLOGICAL AND GEOPHYSICAL INFORMATION

## (a) Geological Description

Discussions regarding geologic information are considered proprietary and have been omitted from this public copy of the EP, along with the attachments.

## (b) Structure Contour Maps

Current structure maps drawn to the top of each productive hydrocarbon sand showing the entire lease block, the surface locations of each well and locations of geological cross-sections, are enclosed as **Attachment C-1.**

## (c) Interpreted 2-D and/or 3-D Seismic Lines

Interpreted seismic lines are enclosed as **Attachment C-2.**

## (d) Geological Structure Cross-Sections

Interpreted geological structure cross-sections showing the location and depth of each proposed well are enclosed as **Attachment C-3.**

## (e) Shallow Hazards Report

A Shallow Hazards Report prepared by Geoscience Earth & Marine Services, Inc. covering Mississippi Canyon Blocks 82 and 126 was submitted to BOEM with Initial Exploration Plan N-10029 (Project No. 0413-2235, September 24, 2013). Additionally, a Shallow Hazards Report prepared by C&C Technologies Survey Services covering Mississippi Canyon Block 81 was also submitted with Exploration Plan N-10029 (C&C Project No. 140713, February 2015). A Shallow Hazards Report prepared by Geoscience Earth & Marine Services, Inc. (GEMS) for Mississippi Canyon Blocks 127 was submitted under Initial EP, Plan Control No. N-6208 for Vastar Resources, Inc.

## (f) Shallow Hazards Assessment

Shallow Hazards Site Clearance (SC) Letters for the proposed well locations in Mississippi Canyon Blocks 81, 82, 126 and 127 are enclosed as **Attachment C-4.** The secondary well locations will utilize each primary location's SC letter since within the same 500' surface radius.

| Locations: | Site Clearance Letter: |
|---|---|
| MC 81 T,TT,U,UU,V,VV,W,WW<br>MC 126 A,AA,B,BB,C,CC | Reference Site Clearance Letter - MC 126 Y<br>(Gardline – Project No. 2018-006) |
| MC 126 D,DD,E,EE,F,FF,G,GG | Reference Site Clearance Letter MC 126 D<br>(GEMS – Project No. 0514-2387) |
| MC 126 H,HH,I,II,J,JJ<br>MC 127 R,RR,S,SS | Reference Site Clearance Letter MC 126 H,I,J<br>MC 127 A,B<br>(GEMS - Project No. GHZ3272) |
| MC 127 T,TT,U,UU,V,VV | Reference Site Clearance Letter MC 127 CC<br>(GEMS – Project No. 0116-2598) |
| MC 126 K,KK,L,LL | Reference Site Clearance Letter MC 126 K,L<br>(GEMS – Project No. GHZ3325) |
| MC 126 M,MM,N,NN | Reference Site Clearance Letter MC 126 M,N<br>(GEMS – Project No. GHZ3325) |
| MC 126 O,OO,P,PP,Q,QQ<br>MC 127 P,PP,Q,QQ | Reference Site Clearance Letter MC 126 O,P,Q,<br>MC 127 P,Q<br>(GEMS – Project No. GHZ3325) |

## (g) High-resolution Seismic Lines

High resolution seismic lines are enclosed as **Attachment C-5.**

## (h) Stratigraphic Column

A generalized stratigraphic column depicting the wells from the seafloor to total depth is included as **Attachment C-6.**

### (i) Time Vs. Depth Tables

The proposed activities under this EP are not considered to be in areas where there is no well control. Therefore, a seismic travel time versus depth table is not required per NTL No. 2008-G04.

Gardline

Well Clearance Letter for
**Anadarko Petroleum Corporation**

Project:
**Rose Prospect**
**Block MC82, Offshore Gulf of Mexico**

Description:
**Proposed MC126-Y (with surface location in MC82)**
**Well Location**

Project Number:
**2018-006**

Report Status:
**Final Rev.1**

# REPORT AUTHORISATION AND DISTRIBUTION

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| 1 | March 09 2018 | Final |
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**Distribution**

4 Copies

Anadarko Petroleum Corporation
1201 Lake Robbins Drive
The Woodlands, TX 77380

For the attention of
Mark Mayo

# SERVICE WARRANTY

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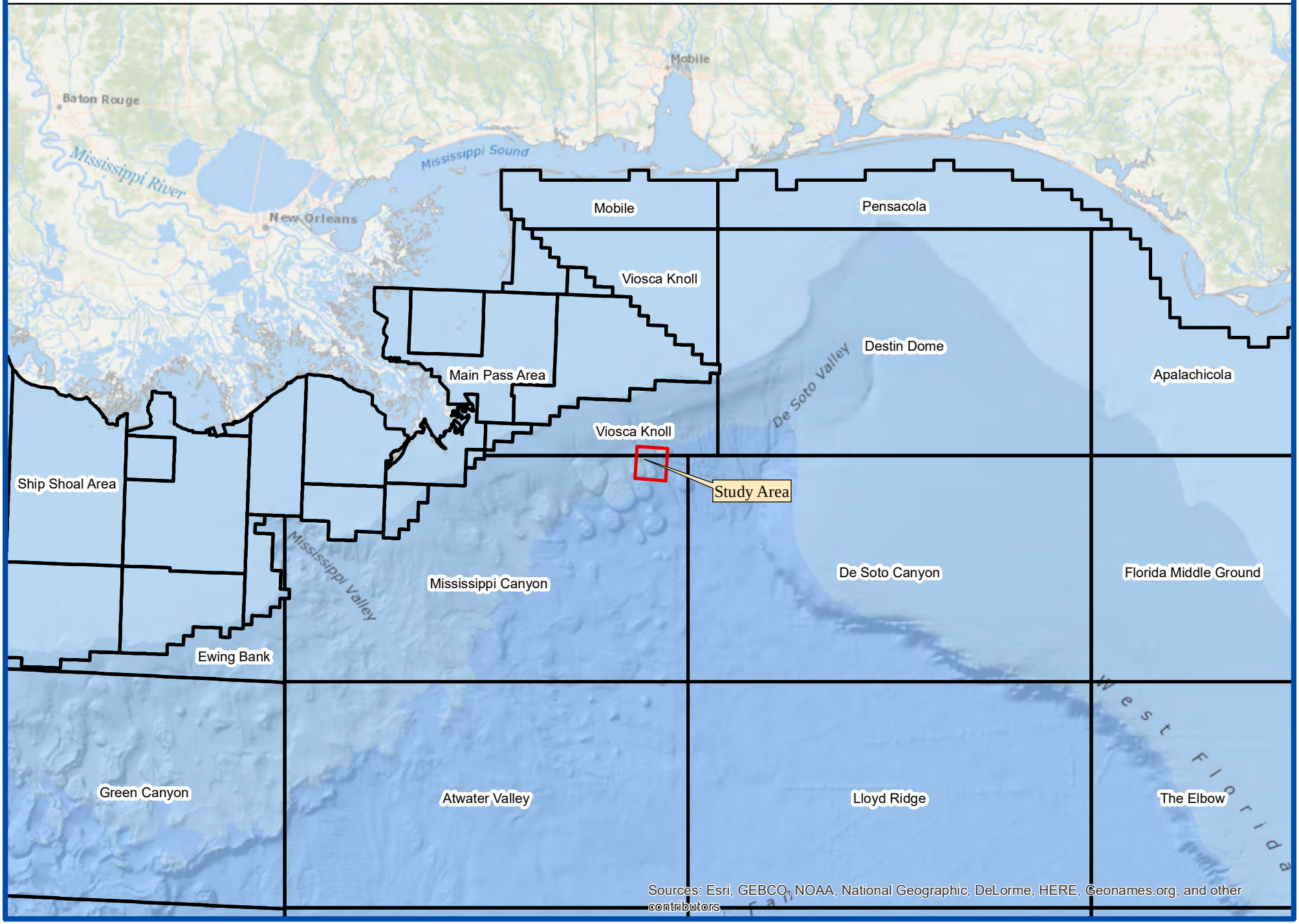
# Location Map



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# WELL CLEARANCE LETTER – PROPOSED MC126-Y WELL LOCATION

November 26, 2018
Anadarko Petroleum Corporation
1201 Lake Robbins Drive
The Woodlands, TX 77380

Attention: Mark Mayo

**Well Clearance Letter**
**Proposed MC126-Y (With Surface Location in MC82) Well Location**
**Block 82, Mississippi Canyon**
**Rose Prospect**
**Offshore Gulf of Mexico**
**OCS-G-35313**

Gardline Surveys, Inc. was contracted by Anadarko Petroleum Corporation to prepare a Well Clearance Letter for the proposed MC126-Y (With Surface Location in MC82) Well Location in Block 82, Mississippi Canyon Area (OCS-G-35313). This letter addresses seabed and shallow geologic conditions that may impact exploratory drilling operations within 2,000ft of the proposed well site. The depth limit of this site clearance assessment is at 2.041 seconds two way time (TWT), -5,099ft below sea surface (799ft below seabed). We understand that Anadarko Petroleum Corporation plans to operate from a dynamically-positioned drilling module; therefore, an anchoring assessment is not required. Relevant letter-size chart extracts, data examples, and a Top Hole Prognosis are presented with this Well Clearance Letter, plus annotated data examples of the nearest intersecting inlines and crosslines. This site clearance assessment is based primarily on the interpretation of 3D seismic data.

**AUV Survey.** Two archeological reports were previously produced within the study area. The first archeological report covers blocks VK1000 & 1001, MC36-38, MC124-125, and MC168 (December 2014 by C&C Technologies). A second archeological report covers blocks MC82, MC126, and MC127 (August 2013 by C&C Technologies). The proposed activities occur within an area defined by BOEM as having high archaeological resource potential (see NTL No. 2011-JOINT-G-01).

**3D Geophysical Survey.** The dataset is of good quality and suitability for shallow hazard assessment. Inlines are oriented northwest to southeast, have a numerical increment of one, and exhibit a line spacing of 98.4ft. Crosslines are oriented northeast to southwest, have a numerical increment of four, and exhibit a line spacing of 82.02ft. Sample rate of the data is 4ms; record length is 8 seconds.

The data presents an acceptable frequency response across the upper one second below seabed with an effective frequency range at 50% power of 10-58Hz. The data exhibits a dominant frequency in the siliciclastic section above shallow salt of approximately 41Hz plus significant higher usable frequencies above 50Hz, resulting in a mean vertical resolvability of typically 32ft and a layer detectability of 8ft.

The dataset was a time-stretched version of the raw (no Q compensation applied) Kirchoff pre-stack depth migration of the speculative TGS Declaration multi-wide azimuth (MWAZ) data. The time-stretching

was done using the final migration velocity model. The MWAZ data are a merge of two orthogonal Declaration and Justice WAZ datasets.

Spectral whitening was applied to the data set as a post-processing step to improve interpretability.

In summary and with reference to NTL No. 2008-G05:

a) The data provides imaging of sufficient resolution of the shallow section, allowing a clear analysis of the shallow conditions.
b) The data can be loaded to a workstation at 16-bit resolution or greater, and is unscaled.
c) There is no trace or sample decimation.
d) The sample interval and bin size are maintained throughout the assessment area.
e) The data possess a frequency content of 50Hz or higher at 50% power across the first second below seabed.
f) Seabed reflection is free of gaps and is defined by a wavelet of stable shape and phase, allowing auto-tracking of the seabed event with minimum user intervention and guidance.
g) There are no significant acquisition artifacts throughout the dataset. A slight northwest to southeast and northeast to southwest banding occurs in amplitudes, but this does not impede the identification of geohazards.
h) There are no merge points in the data.
i) Processed bin size is 98.4ft x 82.02ft.
j) The sample rate of the data is 4ms.
k) An accurate velocity model has been utilized in the shallow section allowing optimum structural and stratigraphy resolution with no evidence of under- or over-migration.
l) There is no significant multiple energy.

# 1. LOCATION COORDINATES

## 1.1 Proposed Wellsite Location

Proposed MC126-Y (With surface location in MC82) Well Location lies in the southwest of Block MC82 (OCS-G-35313).

| Proposed MC126-Y Location (Surface Location in MC82) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location Coordinates** | | | | | | | |
| **NAD 27 Datum - Clarke 1866 Ellipsoid** | | | | | **UTM Zone 16 - CM 87° West** | | |
| Latitude | 28° | 53’ | 35.997” | North | Easting | 1,287,300 | US ft E |
| Longitude | 88° | 06’ | 13.837” | West | Northing | 10,487,161 | US ft N |
| Latitude Decimal | 28.89332990 | | | | | | |
| Longitude Decimal | -88.10384360 | | | | | | |
| FWL Mississippi Canyon 82 | 4,260ft | US ft | Inline | 12781 | | | |
| FSL Mississippi Canyon 82 | 1,081ft | US ft | Crossline | 16401 | | | |
| Water Depth: -4,300ft | Slope: 2.7° WNW | | | | | | |
| Nearest Shoreline | 57 nm @ 286° | | | | | | |
| Port of Operation | Fourchon | 128 nm @ 274° | | | | | |
| Nearest Manned Platform | Horn Mountain in MC127 | 2.43 Miles @ 139° | | | | | |

| Proposed MC126-YY Location (Surface Location in MC82) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location Coordinates** | | | | | | | |
| **NAD 27 Datum - Clarke 1866 Ellipsoid** | | | | | **UTM Zone 16 - CM 87° West** | | |
| Latitude | 28° | 53’ | 34.997” | North | Easting | 1,287,300 | US ft E |
| Longitude | 88° | 06’ | 13.8266” | West | Northing | 10,487,061 | US ft N |
| Latitude Decimal | 28.89305480 | | | | | | |
| Longitude Decimal | -88.10384070 | | | | | | |
| FWL Mississippi Canyon 82 | 4,260ft | US ft | Inline | 12780 | | | |
| FSL Mississippi Canyon 82 | 981ft | US ft | Crossline | 16397 | | | |
| Water Depth: -4,299ft | Slope: 2.5° WNW | | | | | | |
| Nearest Shoreline | 57 nm @ 286° | | | | | | |
| Port of Operation | Fourchon | 128 nm @ 274° | | | | | |
| Nearest Manned Platform | Horn Mountain in MC127 | 2.43 Miles @ 139° | | | | | |

Location MC126-YY is 100ft from MC126-Y on a bearing of 180°.

# 2. VELOCITY DATA

## 2.1 Seabed Depth

Time-to-depth conversion for the water column was made using an interval velocity data cube:

Seabed depth (m) = (A/2) *(-B)
Where A = two way time to seabed in seconds,
and B is the average velocity for the water column, provided in m/sec.

The depth was then multiplied by 3.281 to convert to feet.

Seabed depths quoted in this well clearance letter have been adjusted 50ft deeper in order to agree with depths derived from an AUV multibeam bathymetry dataset supplied by Anadarko, and to tie to offset well reported water depth.

## 2.2 Sub-seabed Depth

Anadarko Petroleum provided 3D seismic data as PSDM to time volumes, with an accompanying interval velocity volume. Horizons mapped in TWT were converted to depth.

Depth (BML) = (A/2)*(B)
Where A is horizon two way time in seconds below seabed and B is horizon mean velocity in m/sec. Mean velocity was calculated by averaging velocities at water bottom and at the horizon.

Depth (BML) was then multiplied by 3.281 in order to convert to feet, and added to the water depth to produce depth below sea surface.

Time-Depth pairs obtained at the proposed well were utilized to produce a well-specific time-to-depth conversion polynomial:

Depth Below Seabed (ft) = $-80.14 \times A^3 + 390.24 \times A^2 + 2036.4 \times A$,
where A is horizon two way time in seconds below sea surface.

# 3. SEABED CONDITIONS

## 3.1 Seabed Depth

Water depth at the proposed MC126-Y well location is -4,300ft below sea surface (Figure 1). The seafloor slopes to the west-northwest at 2.7°.

## 3.2 Seafloor Morphology and Man Made Features

The proposed MC126-Y (With Surface Location in MC82) well location is in the southwestern part of block MC82. The proposed well is located in an area of relatively smooth to slightly-undulatory seabed atop a salt diapiric uplift.

The seabed within 2,000ft radius of the proposed well is generally smooth, as the well is located in the south-central part of the salt diapir. Surface undulations are due to the presence of faulting in the underlying intervals above the shallow salt. The faults do not reach the seabed, rather, their expression is seen at the seabed as undulations. Slump scarps are observed approximately 9,250ft to the east-northeast and 7, 800ft to the southwest of the proposed well. In these regions the gradients can reach from 12° to 15°. The slump deposits and higher gradients should not affect the proposed well.

Clays and silts with occasional sands are predicted at the seabed or within the upper 330ft BML. The sands may cause minor conductor jetting problems.

The existing well MC126-5 (with surface location in MC82) is located approximately 1,156ft to the southeast and the existing MC82-004 well is located approximately 1,220ft to the southeast of the proposed well. An additional existing well is located just outside the study area in block VK1001.

| Operator | Block | Well No. | API No. | Water Depth (ft) | TVD (ft) | Easting | Northing | Status |
|---|---|---|---|---|---|---|---|---|
| Plains E&P | MC82 | MC82-004 | 60-817-41074-00 | 4,304 | 7,477 | 1288438 | 10486721 | PA |
| Anadarko Pet | MC82 | MC-126-005 | 60-817-41078-00 | 4,304 | 14,148 | 1287440 | 10486970 | ST |
| BP E & P | VK1001 | VK1001-001 | 60-816-40340-00 | 4,126 | 13,112 | 1301931 | 10526734 | ST |

Two pipelines traverse the seabed to the northeast of the well location through blocks MC37, MC38, and MC82.

| Operator | Block Origin/Termination | Pipeline Segment | Outside Diameter (in) | Product | Status |
|---|---|---|---|---|---|
| Anadarko Pet | MC127/MC260 | 13359 | 10 ¾” | Gas | ACT |
| Anadarko Pet | MC127/MC289 | 13360 | 12” | Oil | ACT |

An existing platform occurs to southeast of the well location, in block MC127. The Horn Mountain platform coordinates are the following:

*X: 1,295,327*
*Y: 10,477,093*

There are no anomalous seabed amplitudes indicative of hydrocarbon macro-seepage observed within a 2,000ft radius of the proposed location (Figure 3). Therefore, no features or areas that could support high-density sensitive sessile benthic communities are located within 2,000ft of any mud or cuttings location.

# 4. SUB-SEABED CONDITIONS

## 4.1 Geology and Lithology

The sub-seabed geology has been divided into three units locally: Units A, B, and C, separated by Horizons H05, H10, and the Top of Salt, which is the base of interpretation (Figures 4 through 8).

## 4.2 Unit A

Unit A from seabed to -4,490ft below sea surface (190ft below seabed) is characterized by well-layered, low- and slightly moderate-amplitude reflectors, interpreted as clays and silts with occasional sands.

No risk of gas or shallow water flow is assigned to Unit A. No Unit A risk of gas amplitude anomalies occur within 2,000ft of the proposed well.

The well-path will not traverse any mappable faults within Unit A.

Horizon H05 marks the base of Unit A occurring at -4,490ft below sea surface (190ft below seabed).

## 4.3 Unit B

The upper part of Unit B, from -4,490ft to -4,587ft below sea surface (190ft to 287ft below seabed), is characterized by layered, generally low-amplitude reflectors interpreted as clays and silts with occasional sands.

From -4,587ft to -4,836ft below sea surface (287ft to 536ft below seabed), the interval is characterized by layered, moderate-amplitude reflectors interpreted to consist of clays and silts, with several sands. Minor wellbore stability and drilling fluid circulation problems may occur within this interval because of the presence of the sand interbeds.

The lower part of Unit B from -4,836ft to -4,935ft below sea surface (536ft to 635ft below seabed) displays layered, generally low-amplitude reflectors interpreted as clays, silts, and occasional sands.

No risk of gas is assigned at the proposed well. The nearest risk of gas amplitude anomaly is identified ~2,169ft to the east of the proposed well. No shallow water flow risk is assigned to Unit B at the proposed well location or within 2,000ft.

The well-path will traverse a fault within Unit B at -4,879ft below sea surface (579ft below seabed). This is a minor fault, which may cause minor wellbore stability and drilling fluid circulation problems if traversed.

Horizon H10 marks the base of Unit B, occurring at -4,935ft below sea surface (635ft below seabed). Horizon H10 has seismic characteristics suggestive of a coarser sediment accumulation at the base of the unit. However, no risk of gas amplitude anomalies occur within 2,000ft of the proposed well (Figure 4).

## 4.4 Unit C

Unit C consists of the remaining portion of the shallow siliciclastic section between Horizon H10 and the Top of Salt. No horizons older than Horizon H10 are present at the well location, therefore, the stratigraphy consists mostly of Unit C.

The upper part of Unit C, from -4,935ft to -5,003ft below sea surface (635ft to 703ft below seabed), exhibits chaotic, poorly-layered, low-amplitude reflectors interpreted to comprise clays, silts, and occasional sands. Due to underlying salt movement, fractures and small faults below the resolution of the seismic data may be present within this interval. Minor wellbore stability and drilling fluid circulation problems may occur within this interval due to the possible presence of these minor faults.

Unit C from -5,003ft to -5,099ft below sea surface (703ft to 799ft below seabed) is characterized by chaotic, poorly-layered, low- and moderate-amplitude reflectors interpreted as clays, silts, and several sands. Salt movement and uplift has affected this interval, and may have created networks of small fractures and faults that are generally below the resolution of the seismic data, in addition to the mappable faults. Minor wellbore stability and drilling fluid circulation problems may occur throughout the lower interval due to the presence of the possible fractures and faults.

On occasions, these salt-stressed and deformed sections can be a greater risk of shallow water flow, but other factors such as small-scale faulting may have provided relief of any overpressures that may have been induced. However, as this is the potential first well in this setting in the area, it is considered that a **Slight Shallow Water Flow Risk** is appropriate for the interval from -5,003ft to -5,099ft below sea surface (703ft to 799ft below seabed).

No risk of gas is predicted within Unit C at the proposed well, or within 2,000ft.

The Top of Salt marks the base of Unit C, and of this assessment, at -5,099ft below sea surface (799ft below seabed).

## 4.5 Shallow Gas Assessment

No risk of gas is assigned at the proposed well.

## 4.6 Shallow Water Flow Assessment

Within Unit C a **Slight Shallow Water Flow Risk** occurs from-5,001ft to -5,099ft below sea surface (703ft to 799ft below seabed).

# 5. CONCLUSIONS AND RECOMMENDATIONS

- Seabed

  The seabed at the proposed well is smooth to slightly-undulatory, with a gradient of 2.7° to the west-northwest. The proposed well is in the south-central of the salt diapiric uplift, with no problems anticipated. An existing well MC126-5 (with surface location in MC82) occurs approximately 1,156ft to the southeast and an additional existing well (MC82-004) is located approximately 1,220ft to the southeast of the proposed well.

  Seabed soils are expected to be conducive to initial conductor jetting.

  No other significant drilling hazards or problems are predicted at seabed.

- Unit A

  Occasional sand interbeds are possible within the likely jetting interval.

- Unit B

  Minor wellbore stability and drilling fluid circulation problems may occur within the interval from -4,587ft to -4,836ft below sea surface (287ft to 536ft below seabed) due to the presence of several sand interbeds.

  At Horizon H10, no risk of gas anomalies occur within 2,000ft of the proposed well.

  The well-path will traverse a fault within Unit B at -4,879ft below sea surface (579ft below seabed). This is a minor fault, which may cause minor wellbore stability and drilling fluid circulation problems. Casing seats should avoid all fault intersections.

- Unit C

  Within Unit C a **Slight Shallow Water Flow Risk** occurs from -5,003ft to -5,099ft below sea surface (703ft to 799ft below seabed). Appropriate drilling methodology is recommended to deal with a possible short-term, non-persistent, likely low-volume shallow water flow event within this interval.

  Salt movement and uplift may have created networks of fractures and small faults within Unit C. Minor wellbore stability and drilling circulation problems may occur within Unit C due to the presence of numerous faults and fractures.

We appreciate the opportunity to work with you on this project, and look forward to continuing as your geohazards consultants. Please contact us if you have any questions or if we can be of further assistance.

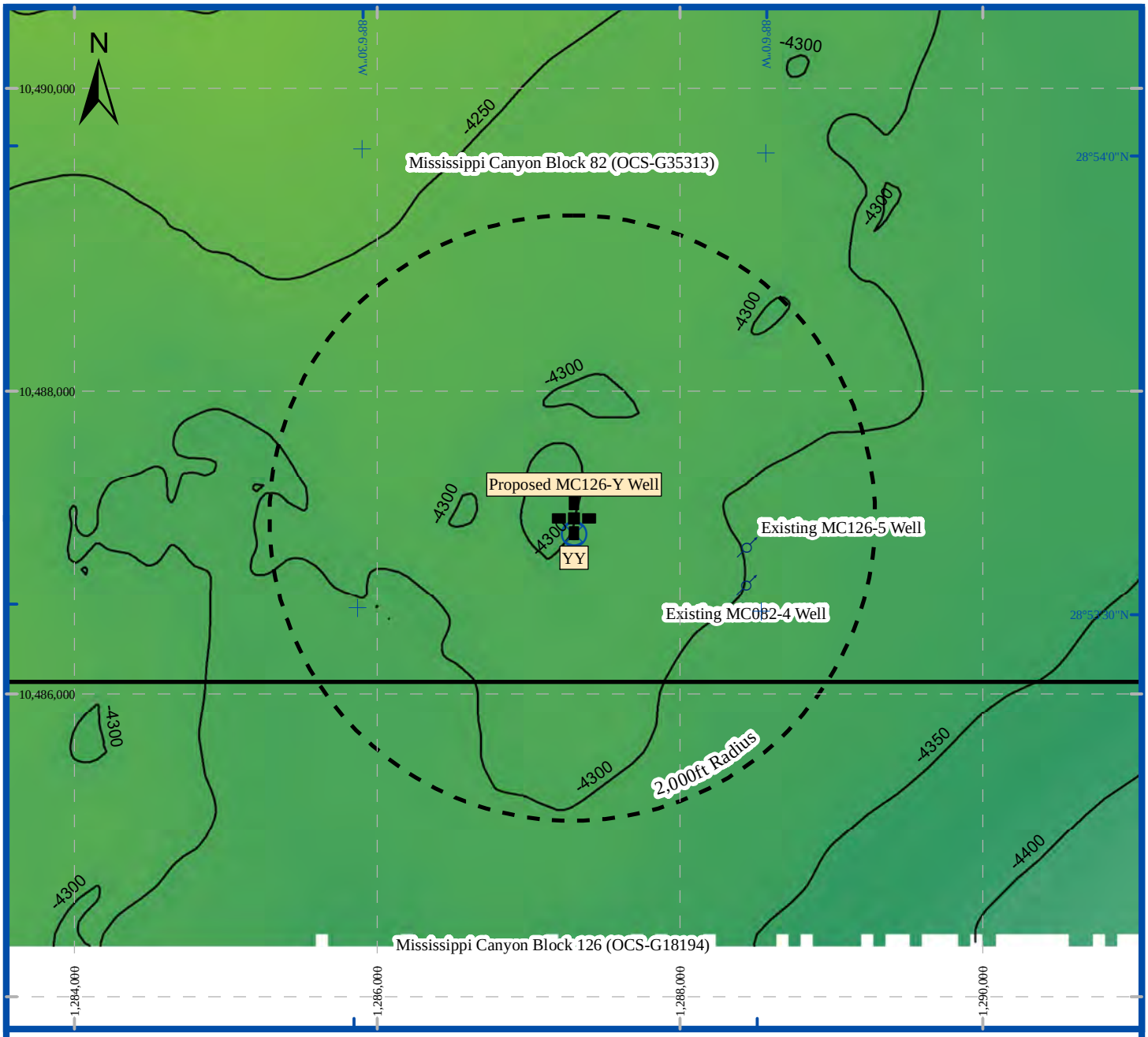
Sincerely,
**Gardline Surveys Inc.**

Andrew Haigh
Geophysical Manager

Scott Wegner, P.G.
Quality Assurance

Copies Submitted: 4 Copies to Mark Mayo at Anadarko Petroleum Corporation

Attachments:
**Proposed MC126-Y Well Location**
Seabed Depth Extract
Seabed Morphology Extract
Seabed Amplitude Extract
Geohazard Summary Extract
Sand-Prone Lithology Extract
Inline Data Example
Crossline Data Example
Top Hole Prognosis
ROV Plat
Power Spectrum
Bathymetry Plat
Public Information Plat
Proprietary Information Plat
Vicinity Map
10 Mile Infrastructure Map




# Seabed Depth Extract

Proposed MC126-Y Well Location
(1,287,300ft E / 10,487,161ft N)

Proposed YY Well Location

Existing wells

Block boundaries

-4300 Depth in feet below sea surface to seabed, contoured at 50ft intervals

-5300 -5000 -4700 -4400 -4100 -3800 -3500

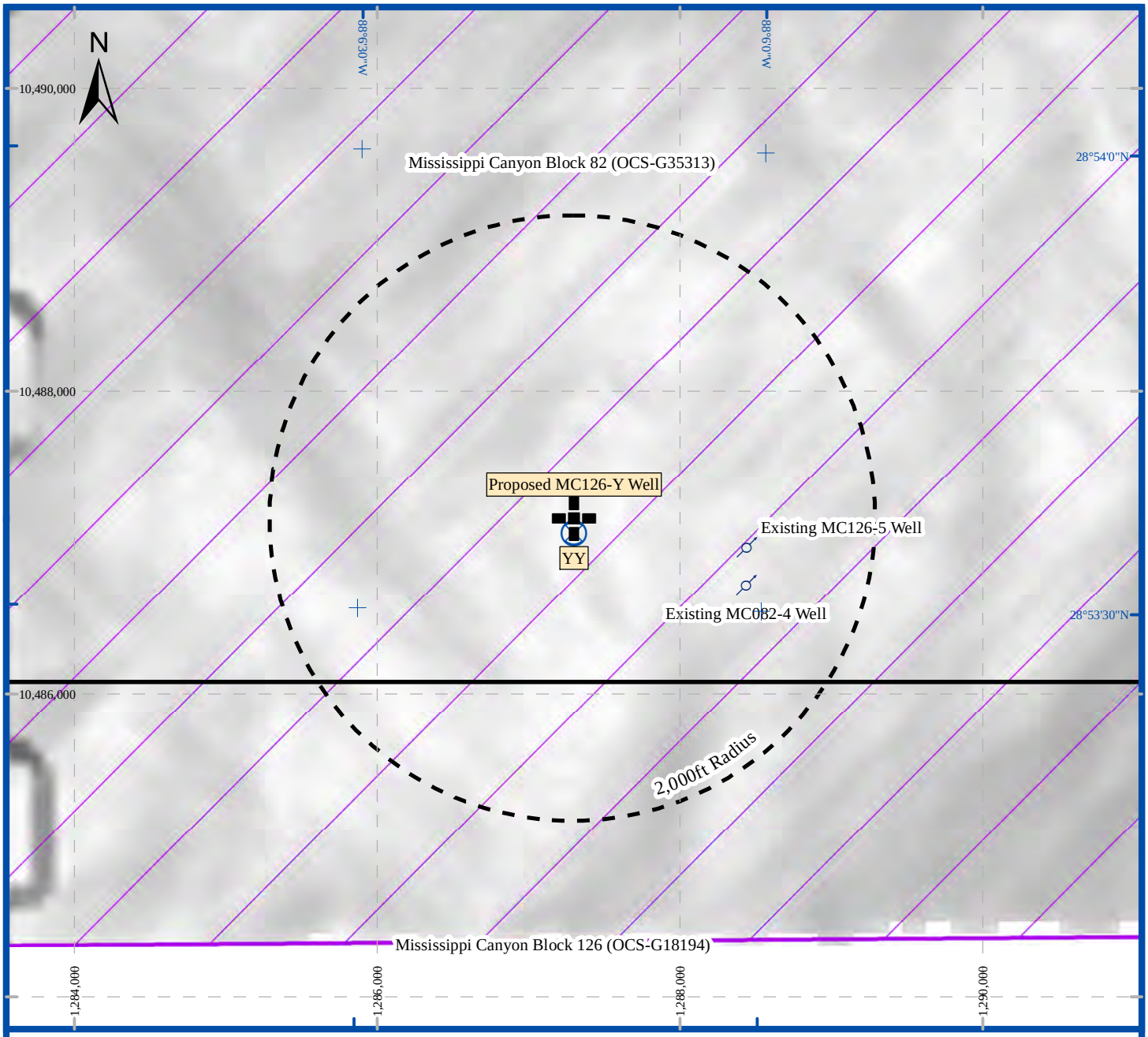
Seabed Depth (Feet)

Chart Scale 1" = 1,000'

0 500 1,000 2,000 Feet

0 150 300 600 Meters

Figure 1
(MC126-Y)




# Seabed Morphology Extract

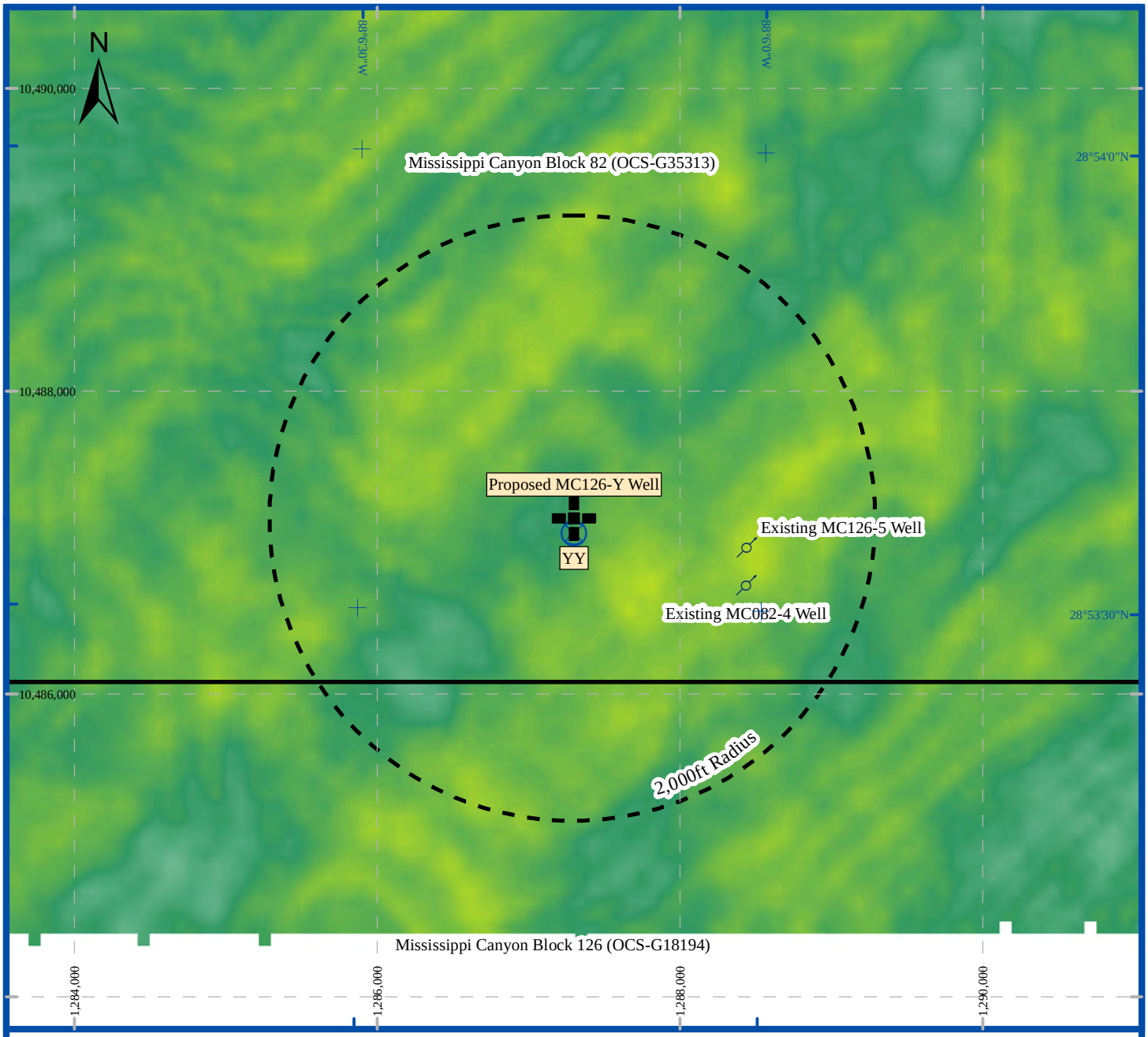
- Proposed MC126-Y Well Location (1,287,300ft E / 10,487,161ft N)
- Proposed YY Well Location
- Existing wells
- Block boundaries
- Salt diapiric uplifts

Chart Scale 1" = 1,000'

0 500 1,000 2,000 Feet

0 150 300 600 Meters

Figure 2
(MC126-Y)




# Seabed Amplitude Extract

- Proposed MC126-Y Well Location (1,287,300ft E / 10,487,161ft N)
- Proposed YY Well Location
- Existing wells
- Block boundaries

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

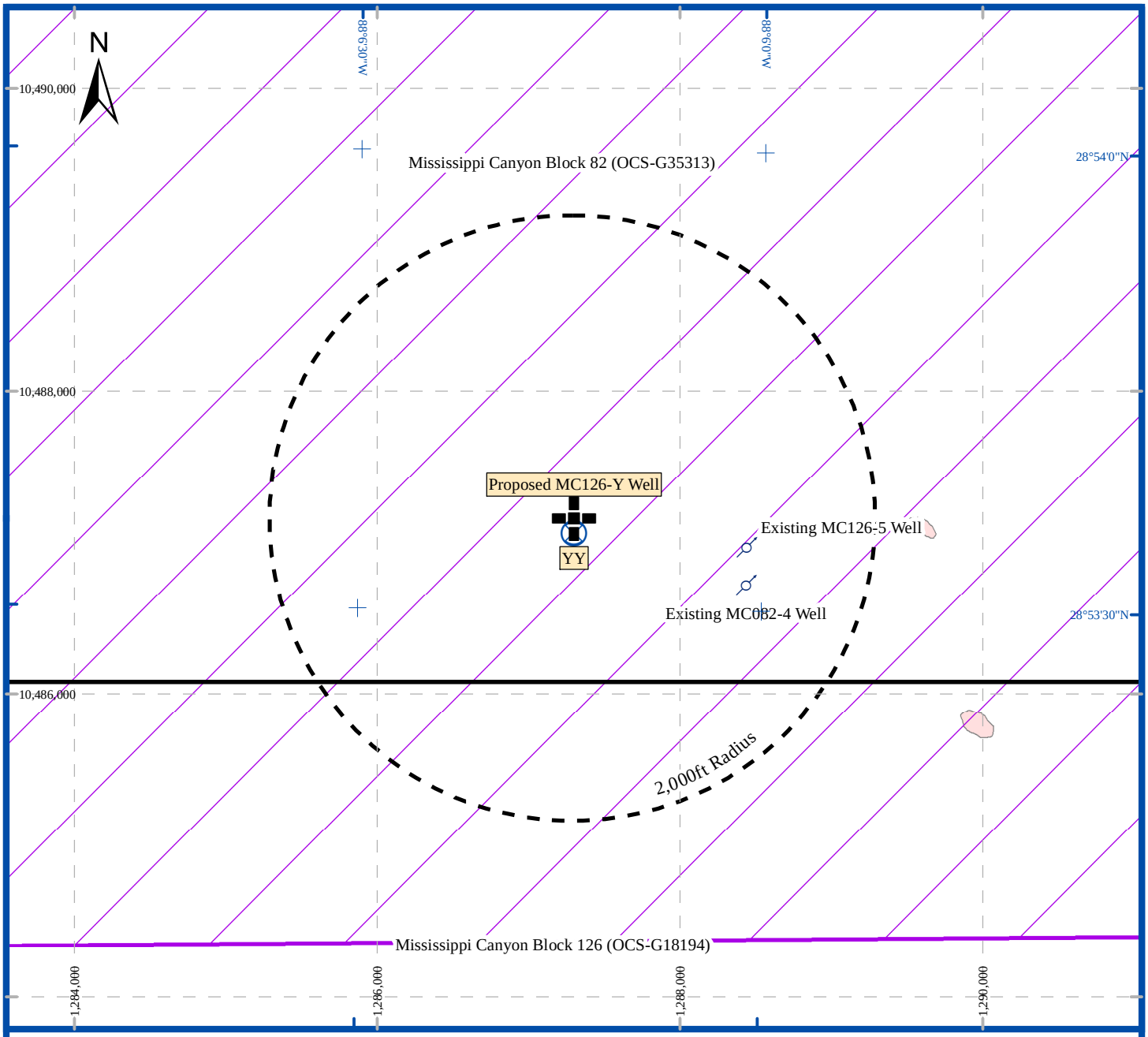
Relative Seabed Amplitude

Chart Scale 1" = 1,000'

0 500 1,000 2,000 Feet

0 150 300 600 Meters

Figure 3
(MC126-Y)




# Geohazard Summary Extract

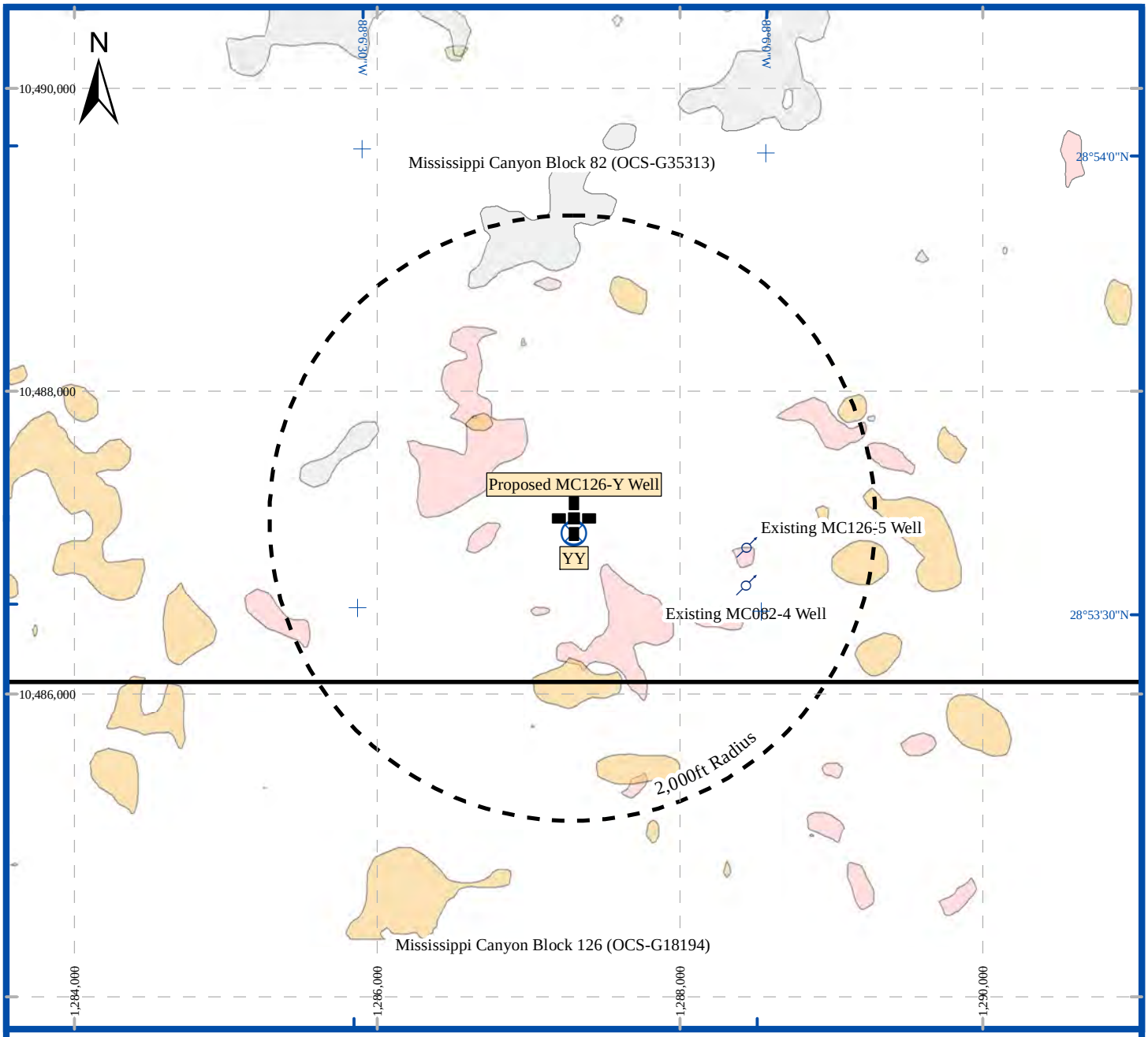
- Proposed MC126-Y Well Location (1,287,300ft E / 10,487,161ft N)
- Proposed YY Well Location
- Existing wells
- Block boundaries
- Salt diapiric uplifts
- Slight to locally Moderate Risk of Gas within Unit B

Chart Scale 1" = 1,000'

0 500 1,000 2,000 Feet

0 150 300 600 Meters

Figure 4
(MC126-Y)




# Sand-Prone Lithology Extract

- Proposed MC126-Y Well Location (1,287,300ft E / 10,487,161ft N)
- Proposed YY Well Location
- Existing wells
- Block boundaries
- Predicted sands within Unit B
- Predicted sands at Horizon H10
- Predicted sands within Unit C

Chart Scale 1" = 1,000'

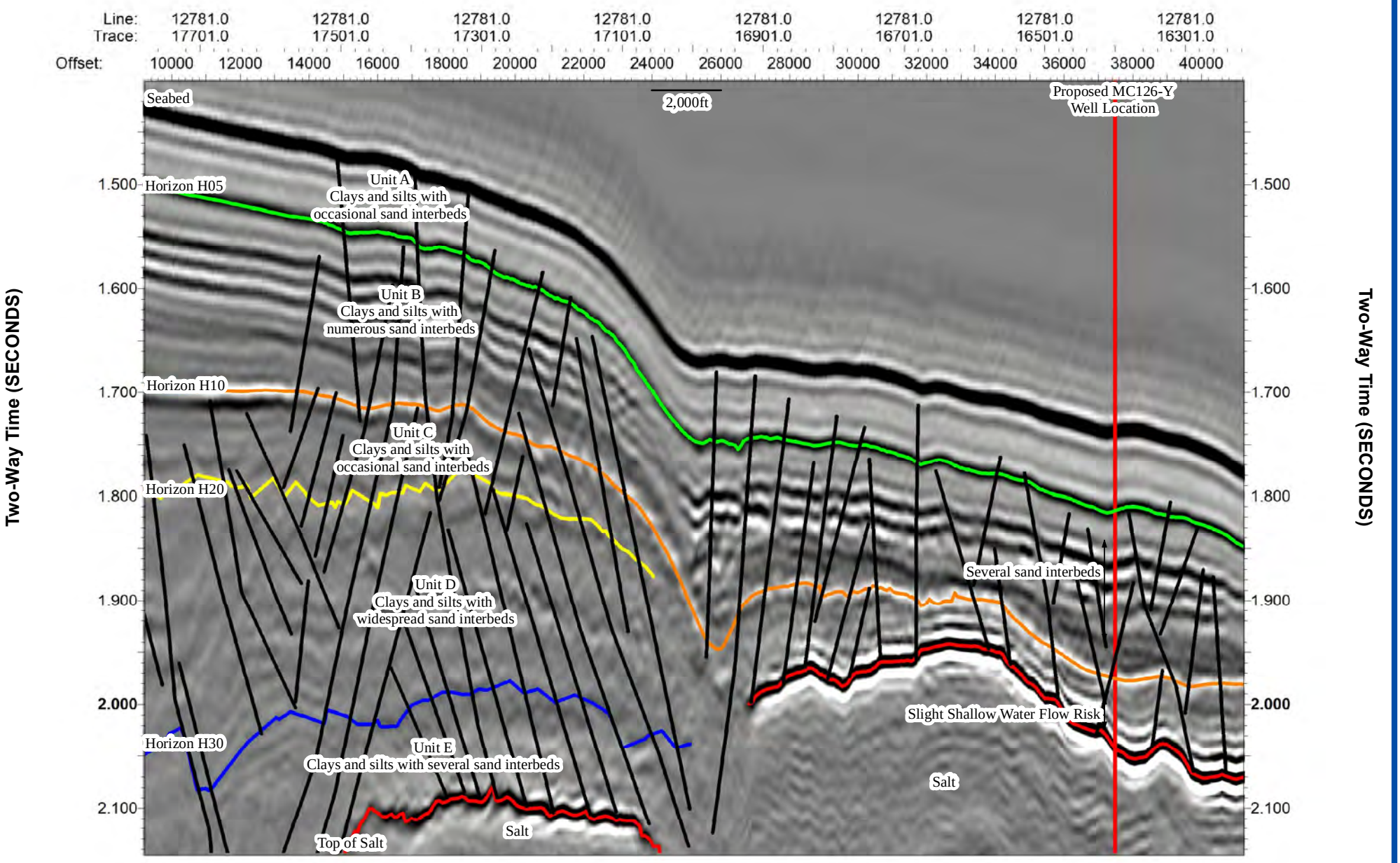
0 500 1,000 2,000 Feet

0 150 300 600 Meters

Figure 5
(MC126-Y)

Northwest

Southeast



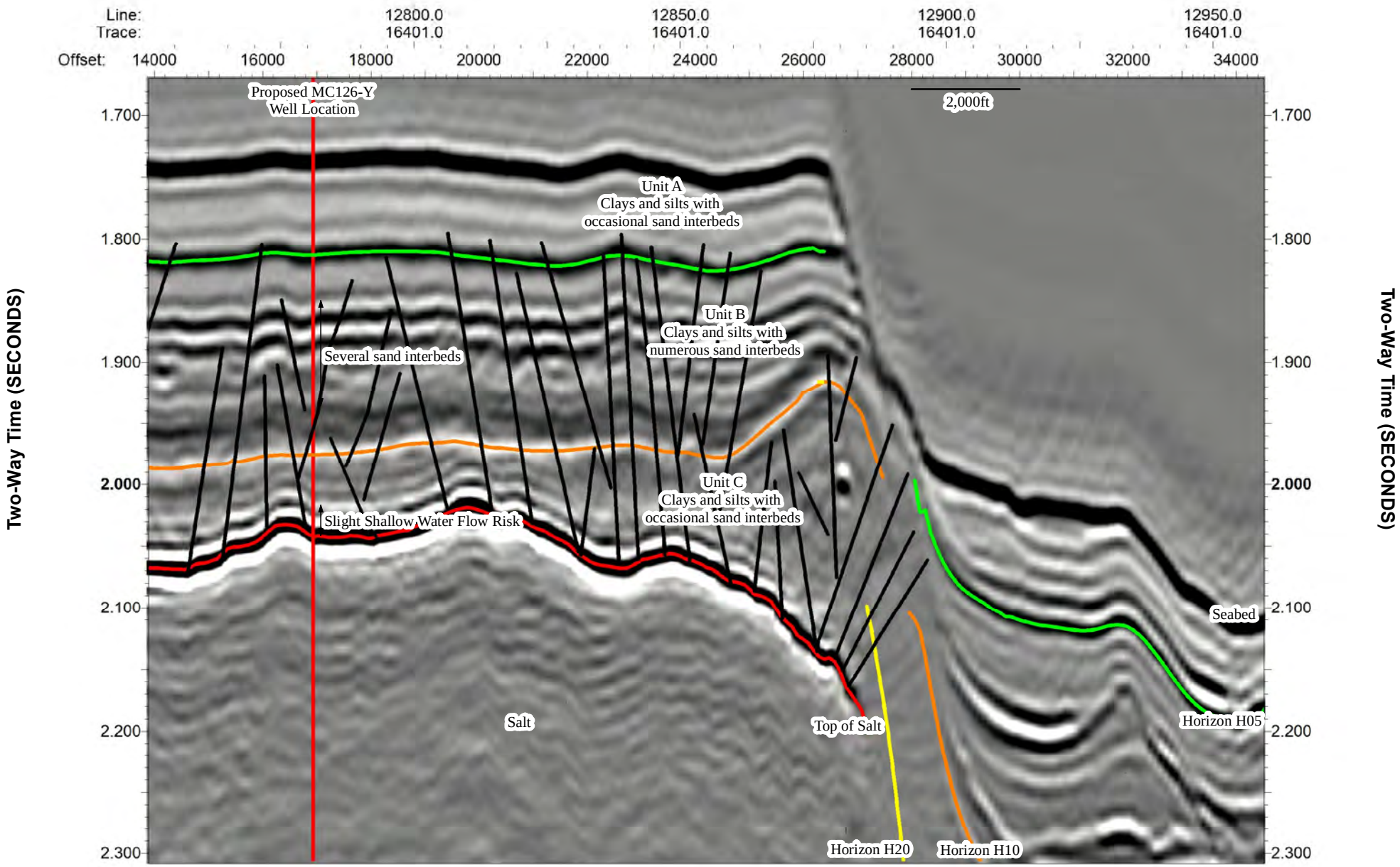

Inline 12781

3D SEISMIC DATA EXAMPLE
Illustrating Proposed MC126-Y Well Location

Figure 6

Southwest

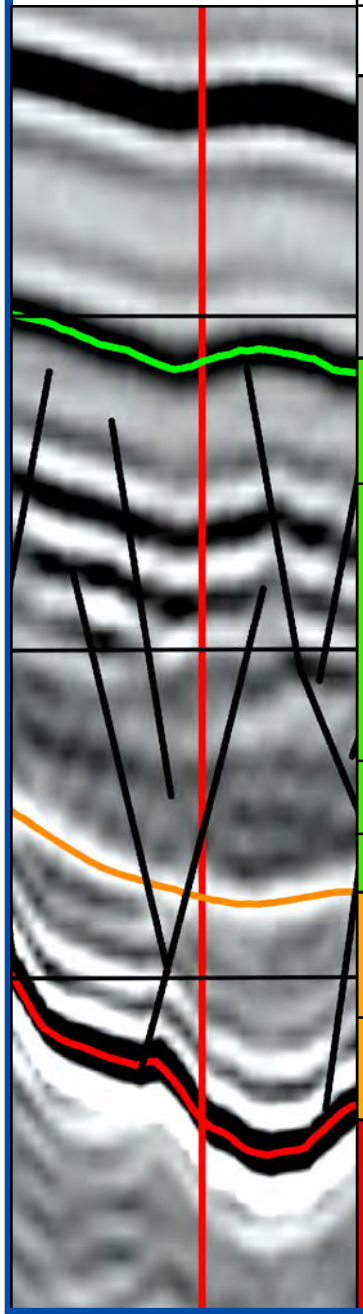
Northeast




Crossline 16401

3D SEISMIC DATA EXAMPLE
Illustrating Proposed MC126-Y Well Location

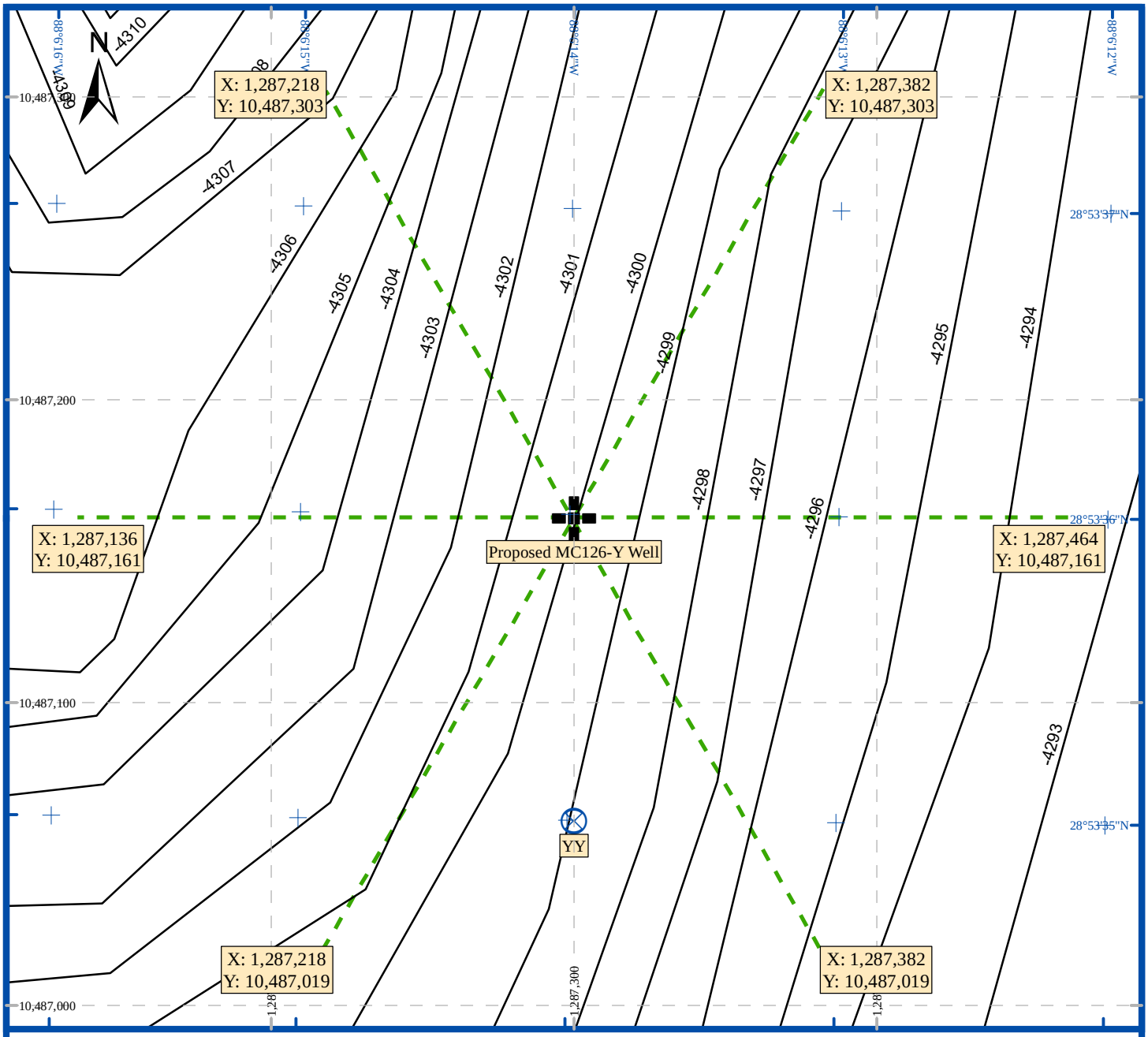
Figure 7



| 1,287,300ft E / 10,487,161ft N<br>Inline: 12781 / Crossline: 16401 | Horizon | Subsea Depth (Feet) | TVD Below Seabed (Feet) | Horizon TWT (sec) | Vavg BML (ft/s) | Lithology, Structure & Stratigraphy | Potential Drilling Hazards & Constraints | Risk of Gas | SWF Risk |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Slight<br>Moderate<br>High | Slight<br>Moderate<br>High |
| | Seabed | -4,300 | 0 | 1.737 | 4,949 | Seabed is locally smooth, sloping to the WNW at 2.7°. Surficial Unit A sediments comprise of clays and silts with occasional sand interbeds. | None predicted | None predicted | |
| | Unit A | | | | | | | | |
| | Horizon H05 | -4,490 | 190 | 1.812 | 5,067 | Clays and silts with occasional sand interbeds | None predicted | | |
| | Unit B | | | | | | | | |
| | Interface | -4,587 | 287 | 1.846 | 5,266 | Clays and silts with several sand interbeds | Minor wellbore stability and drilling fluid circulation problems may occur within this interval | | |
| | Interface | -4,836 | 536 | 1.940 | 5,280 | Clays and silts with occasional sand interbeds | | | |
| | Fault | -4,879 | 579 | 1.956 | 5,288 | | Minor wellbore stability and drilling fluid circulation problems are possible at the level of the fault | | |
| | Horizon H10 | -4,935 | 635 | 1.975 | 5,336 | Clays and silts with occasional sand interbeds<br>Interval may be fractured | Minor wellbore stability and drilling fluid circulation problems due to the presence of numerous fractures and faults | | |
| | Unit C | | | | | | | | |
| | Interface | -5,003 | 703 | 2.003 | 5,286 | Clays and silts with several sand interbeds<br>Interval may be fractured | Slight Shallow Water Flow Risk. Minor wellbore stability and drilling fluid circulation problems due to the presence of numerous fractures and faults | | |
| | Top of Salt | -5,099 | 799 | 2.041 | 5,257 | Base of interpretation | | | |

Top Hole Prognosis for Proposed MC126-Y Well Location

Figure 8




# ROV Plat (MC126-Y)

Proposed MC126-Y Well Location
(1,287,300ft E / 10,487,161ft N)

Proposed YY Well Location

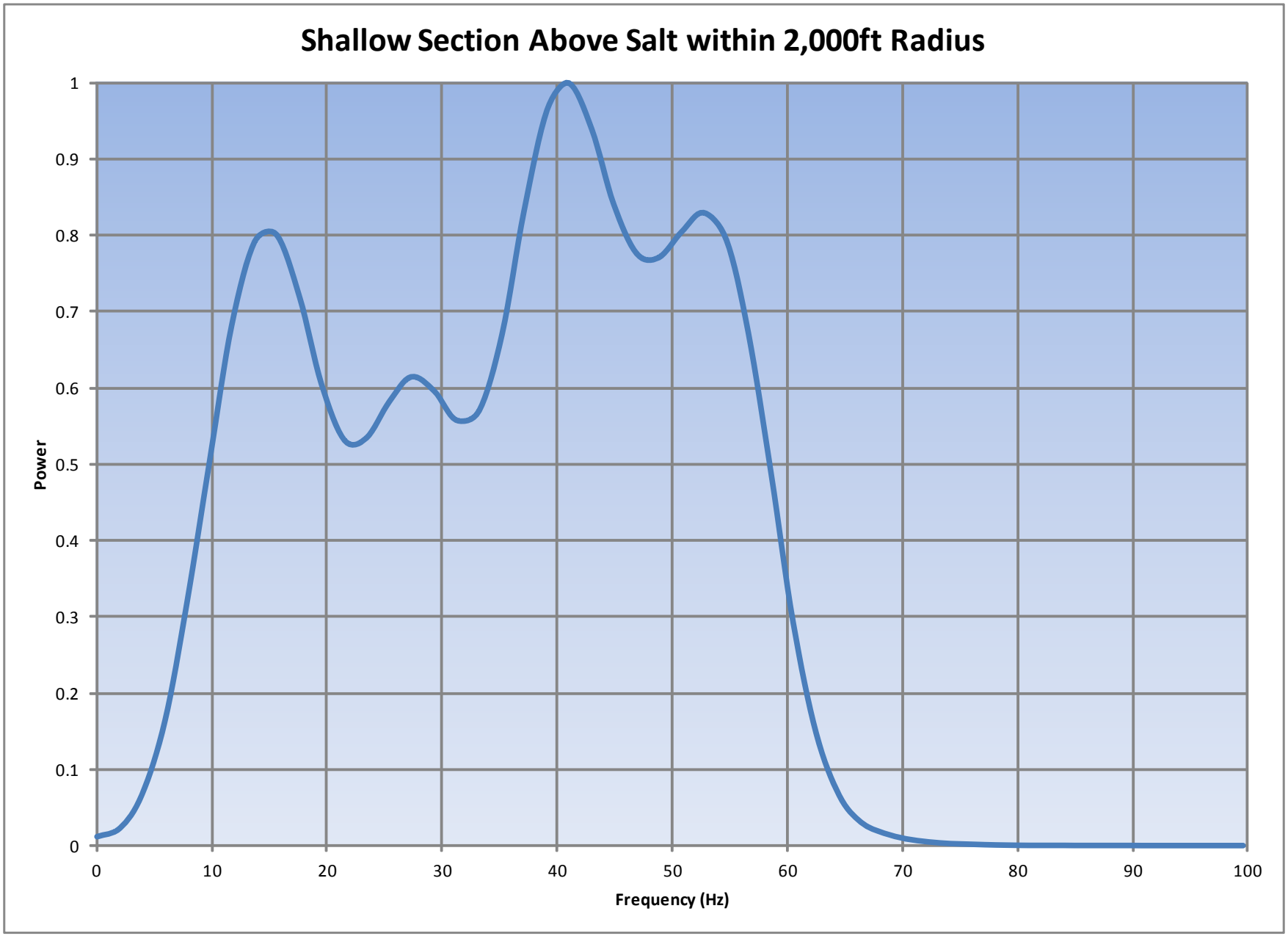
-4300 Depth in feet below sea surface to seabed, contoured at 1ft intervals

Chart Scale 1" = 50'

0 50 100 200 Feet

0 12.5 25 50 Meters

Figure 9
(MC126-Y)




| | | |
|---|---|---|
| MC126-Y | Power Spectrum | Figure 10 |

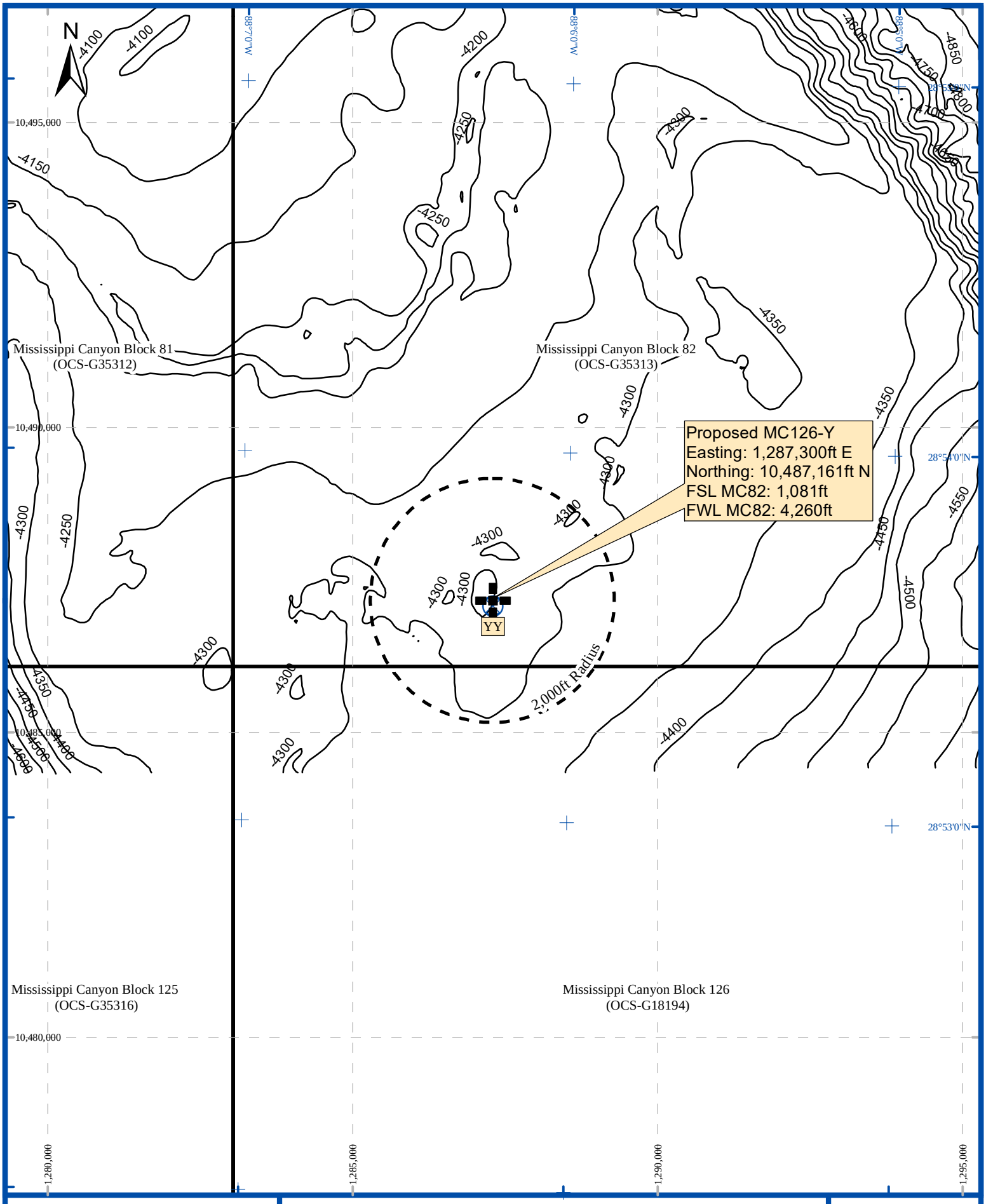
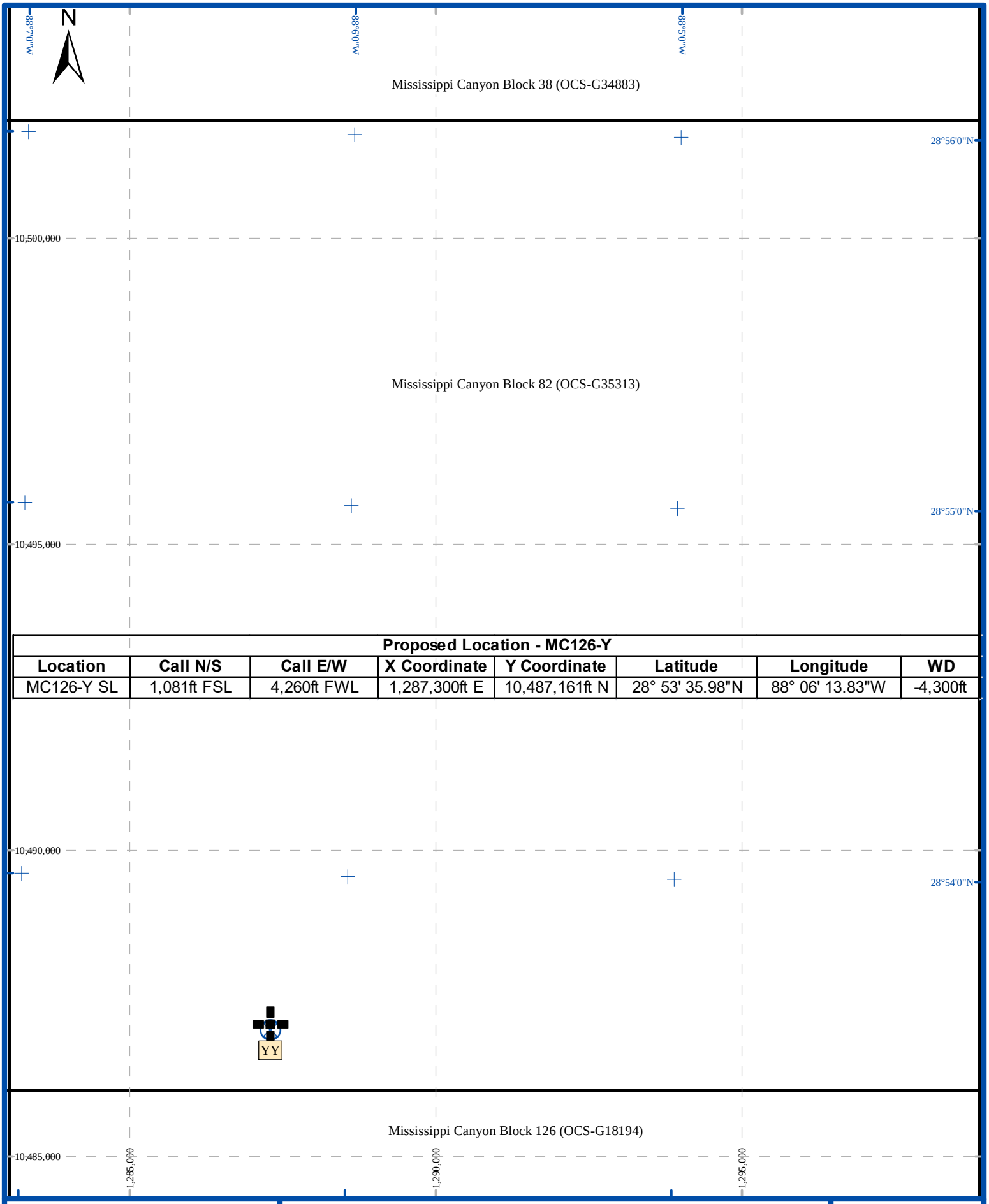



Chart scale 1" = 2,000'
0 500 1,000 2,000 Feet
0 125 250 500 Meters

# Bathymetry Plat

Figure 11




| Proposed Location - MC126-Y | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location** | **Call N/S** | **Call E/W** | **X Coordinate** | **Y Coordinate** | **Latitude** | **Longitude** | **WD** |
| MC126-Y SL | 1,081ft FSL | 4,260ft FWL | 1,287,300ft E | 10,487,161ft N | 28° 53' 35.98"N | 88° 06' 13.83"W | -4,300ft |

Chart scale 1" = 2,000'

0 500 1,000 2,000 Feet

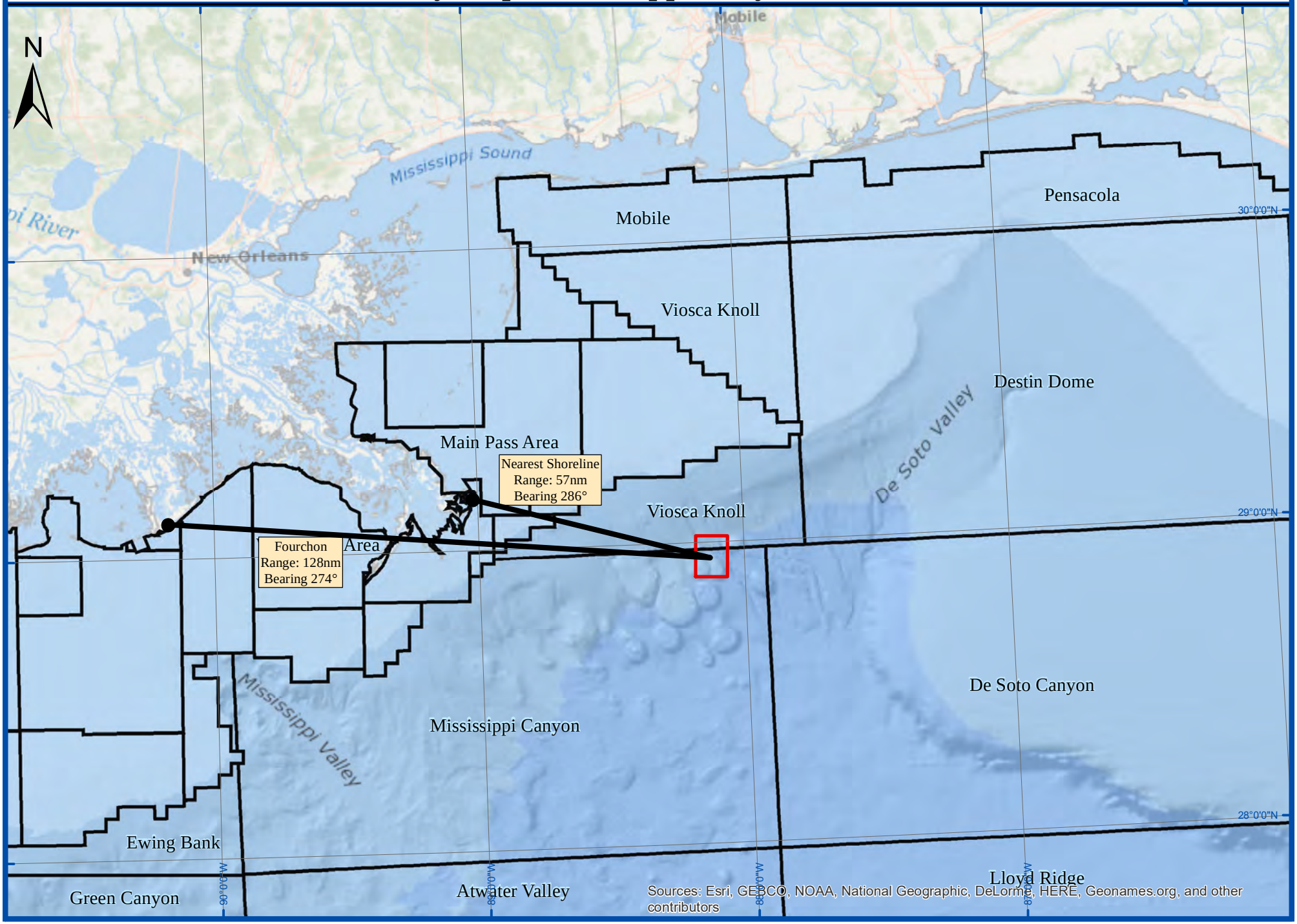
0 125 250 500 Meters

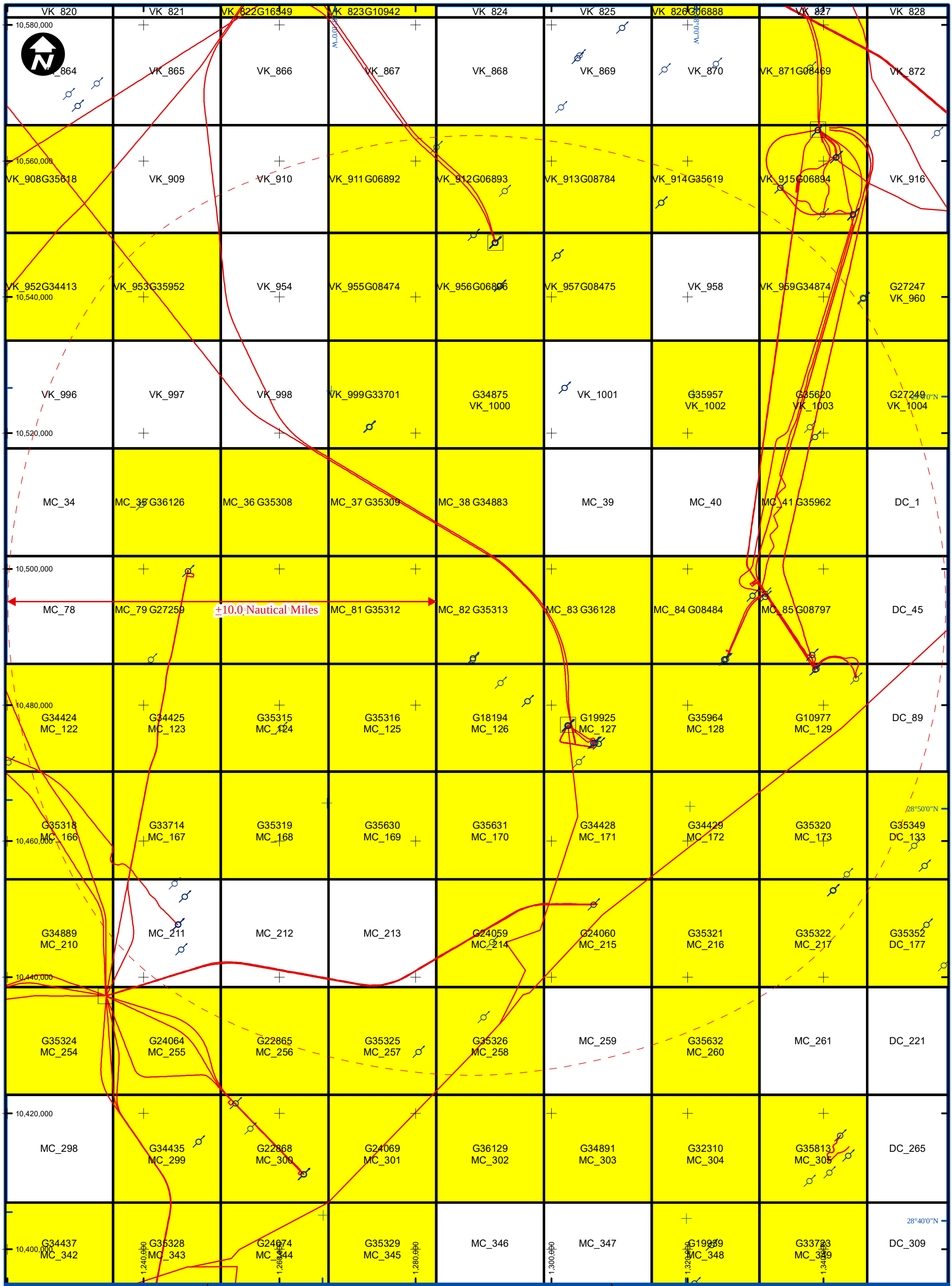
# Well Location Plat - Public Information

Figure 12

# Vicinity Map - Mississippi Canyon Block 82

Figure 14






## Legend

- Seabed Well
- Platform
- Not Leased
- Leased
- Pipeline

# 10 MILE RADIUS SEABED INFRASTRUCTURE
# MISSISSIPPI CANYON - BLOCK 82

0 5 10 Miles

1 inch = 2.5 miles

Gardline

Anadarko Petroleum Corporation

March 8, 2018

Figure 15

# APPENDIX A – PUBLIC SHALLOW HAZARDS STATEMENTS

**Public Shallow Hazards Statement – MC126-Y (With Surface Location in MC82)**

November 26, 2018

US Department of the Interior
Bureau of Ocean Energy Management
1201 Elmwood Park Blvd.
New Orleans, LA 70213-2394

Attention:

Reference: Shallow Hazards Analysis
Mississippi Canyon Block 82
(OCS-G 35313)

Ladies/Gentlemen:

Anadarko Petroleum Corporation contracted Gardline Surveys, Inc. to prepare a Well Clearance Letter for the Proposed MC126-Y (with Surface Location in block MC82) Well Location in Block 82, Mississippi Canyon Area (OCS-G-35313). This letter addresses seabed and shallow geologic conditions that may impact exploratory drilling operations within 2,000ft of the proposed well site. The depth limit of this site clearance assessment is 2.041 seconds two way time (TWT), -5,099ft below sea surface (799ft below seabed).

***Seabed Hazards.*** The seabed at the proposed well is smooth to slightly-undulatory, with a gradient of 2.7° to the west-northwest. The proposed well is in the south-central of the salt diaper, with no problems anticipated. An existing well MC126-5 (with surface location in MC82) occurs approximately 1,156ft to the southeast and an additional existing well (MC82-004) is located approximately 1,220ft to the southeast of the proposed well. Slump scarps are observed approximately 9,250ft to the east-northeast and 7,800ft to the southwest of the proposed well. In these regions the gradients can reach from 12° to 15°. The slump deposits and higher gradients should not affect the proposed well.

There are no indications of seabed hydrocarbon fluid seeps within 2,000ft of the proposed well location.

***Sub-Seabed Hazards.*** Identified amplitude anomalies indicative of shallow gas do not occur within a 2,000ft radius of the proposed wellsite. In Unit B a risk of gas anomaly is located approximately ~2,169ft to the east of the proposed well, representing the closest such interpreted risk of shallow gas in this assessment. The proposed well location will not penetrate or closely approach any seismic amplitude anomalies. The well-path may penetrate a small fault within Unit B. Additionally, several unmapped and seismically-indistinct faults and fractures are likely within Unit C. These faults may cause minor wellbore stability and drilling fluid circulation problems.

A **Slight Risk for Shallow Water Flow** is assigned at the proposed well in Unit C from -5,003ft to -5,099ft below sea surface (703ft to 799ft below seabed).

| Proposed MC126-Y Location (Surface Location in MC82) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location Coordinates** | | | | | | | |
| **NAD 27 Datum - Clarke 1866 Ellipsoid** | | | | | **UTM Zone 16 - CM 87° West** | | |
| Latitude | 28° | 53’ | 35.997” | North | Easting | 1,287,300 | US ft E |
| Longitude | 88° | 06’ | 13.837” | West | Northing | 10,487,161 | US ft N |
| Latitude Decimal | 28.89332990 | | | | | | |
| Longitude Decimal | -88.10384360 | | | | | | |
| FWL Mississippi Canyon 82 | 4,260ft | US ft | Inline | 12781 | | | |
| FSL Mississippi Canyon 82 | 1,081ft | US ft | Crossline | 16401 | | | |
| Water Depth: -4,300ft | Slope: 2.7° WNW | | | | | | |
| Nearest Shoreline | 57 nm @ 286° | | | | | | |
| Port of Operation | Fourchon | 128 nm @ 274° | | | | | |
| Nearest Manned Platform | Horn Mountain in MC127 | 2.43 Miles @ 139° | | | | | |

| Proposed MC126-YY Location (Surface Location in MC82) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location Coordinates** | | | | | | | |
| **NAD 27 Datum - Clarke 1866 Ellipsoid** | | | | | **UTM Zone 16 - CM 87° West** | | |
| Latitude | 28° | 53’ | 34.997” | North | Easting | 1,287,300 | US ft E |
| Longitude | 88° | 06’ | 13.8266” | West | Northing | 10,487,061 | US ft N |
| Latitude Decimal | 28.89305480 | | | | | | |
| Longitude Decimal | -88.10384070 | | | | | | |
| FWL Mississippi Canyon 82 | 4,260ft | US ft | Inline | 12780 | | | |
| FSL Mississippi Canyon 82 | 981ft | US ft | Crossline | 16397 | | | |
| Water Depth: -4,299ft | Slope: 2.5° WNW | | | | | | |
| Nearest Shoreline | 57 nm @ 286° | | | | | | |
| Port of Operation | Fourchon | 128 nm @ 274° | | | | | |
| Nearest Manned Platform | Horn Mountain in MC127 | 2.43 Miles @ 139° | | | | | |

***Conclusions and Recommendations.*** The proposed well is in the south-central of the salt diapiric uplift, with no problems anticipated. An existing well MC126-5 (with surface location in MC82) occurs approximately 1,156ft to the southeast and an additional existing well (MC82-004) is located approximately 1,220ft to the southeast of the proposed well. Slump scarps are observed approximately 9,250ft to the east-northeast and 7,800ft to the southwest of the proposed well. In these regions the gradients can reach from 12° to 15°. The slump deposits and higher gradients should not affect the proposed well.

No risk of gas is interpreted at the proposed well. The closest proximity of shallow gas occurs within Unit B approximately ~2,169ft to the east of the proposed well.

A **Slight Risk for Shallow Water Flow** is assigned at the proposed well in the lower interval of Unit C.

Wellbore stability and drilling fluid circulation problems may occur at a mapped fault that intersects the proposed well, in Units B and C in association with interpreted sand interbeds, and within Unit C because of inferred fractures and faults.

Sincerely,
**Anadarko Petroleum Corporation**

# APPENDIX B – SENSITIVE SESSILE BENTHIC COMMUNITY STATEMENT

**Sensitive Sessile Benthic Communities Statement – MC126-Y (With Surface Location in MC82)**

## Anadarko Petroleum Corporation

November 26, 2018

US Department of the Interior
Bureau of Ocean Energy Management
1201 Elmwood Park Blvd.
New Orleans, LA 70213

Reference: Sensitive Sessile Benthic Community Summary
Mississippi Canyon MC126-Y
(OCS-G 35313)

Ladies/Gentlemen:

Anadarko Petroleum Corporation contracted Gardline Surveys, Inc. to prepare a Well Clearance Letter for the Proposed MC126-Y (with Surface Location in MC82) Well Location in Block 82, Mississippi Canyon (OCS-G-35313). This letter addresses location proximity to potential sensitive sessile benthic community sites. Anadarko Petroleum Corporation has indicated that this well will be drilled from a dynamically-positioned drilling module; therefore, an anchoring assessment is not required.

This sensitive sessile benthic community summary letter is issued as a supplement to Gardline Report No.11054 entitled: "3D Geohazard Assessment, Viosca Knoll Block 1000 and Mississippi Canyon Blocks MC37, MC38, MC81, and MC82, Music City, Sugar, and Rose Prospects" dated September 2017. A Biological, Physical, and Socio-economic Map is included illustrating the areas of potential seabed impact.

***Potential Sensitive Sessile Benthic Communities***

Features or areas that could support high-density sensitive sessile benthic communities are ***not*** located within 2,000 feet of any proposed mud and cuttings discharge location.

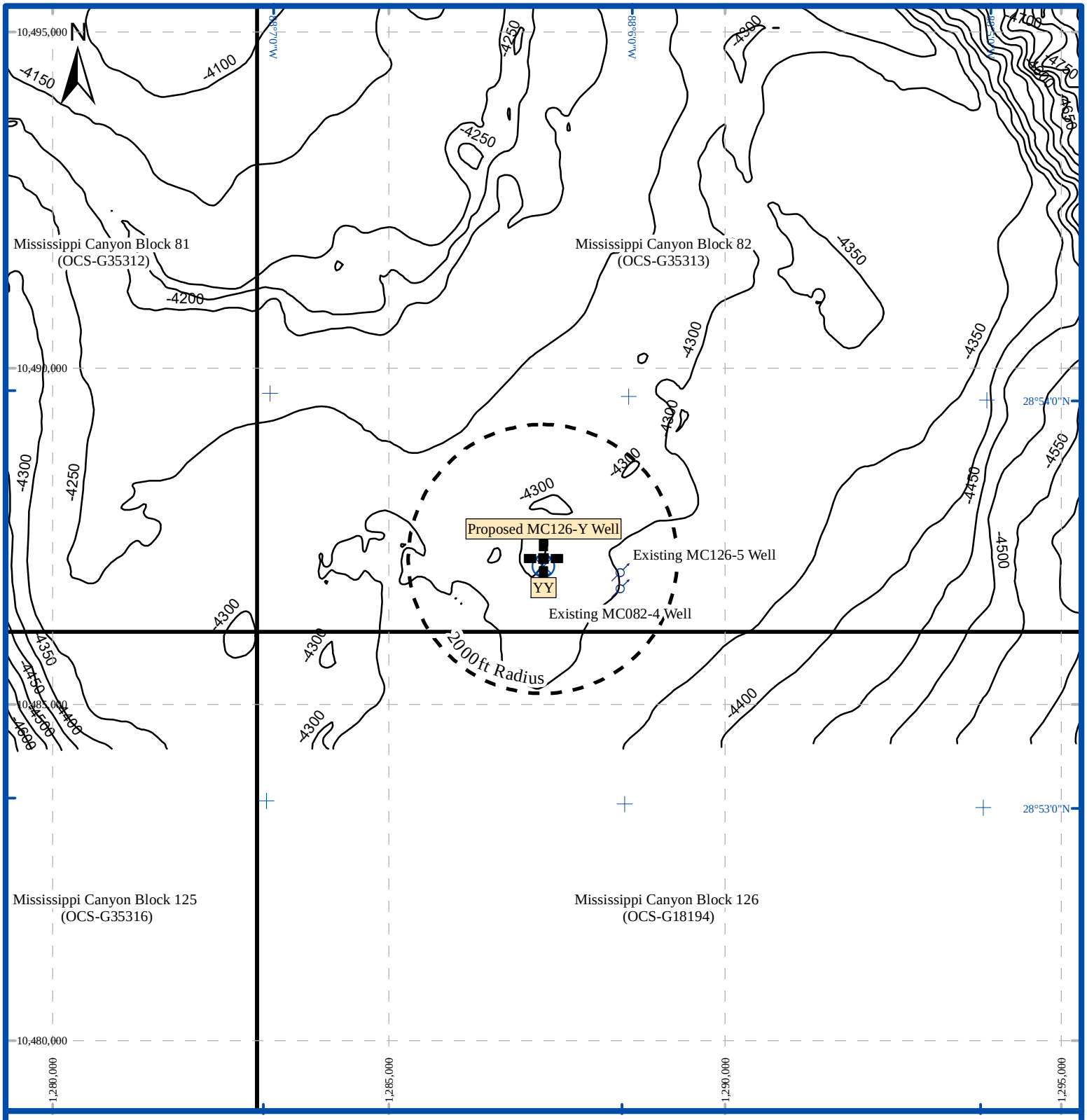
| Proposed MC126-Y Location (Surface Location in MC82) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location Coordinates** | | | | | | | |
| **NAD 27 Datum - Clarke 1866 Ellipsoid** | | | | | **UTM Zone 16 - CM 87° West** | | |
| Latitude | 28° | 53’ | 35.997” | North | Easting | 1,287,300 | US ft E |
| Longitude | 88° | 06’ | 13.837” | West | Northing | 10,487,161 | US ft N |
| Latitude Decimal | | | | 28.89332990 | | | |
| Longitude Decimal | | | | -88.10384360 | | | |
| FWL Mississippi Canyon 82 | | | | 4,260ft | US ft | Inline | 12781 |
| FSL Mississippi Canyon 82 | | | | 1,081ft | US ft | Crossline | 16401 |
| Water Depth: -4,300ft | | | | Slope: 2.7° WNW | | | |
| Nearest Shoreline | | | | 57 nm @ 286° | | | |
| Port of Operation | | | | Fourchon | | 128 nm @ 274° | |
| Nearest Manned Platform | | | | Horn Mountain in MC127 | | 2.43 Miles @ 139° | |

| Proposed MC126-YY Location (Surface Location in MC82) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location Coordinates** | | | | | | | |
| **NAD 27 Datum - Clarke 1866 Ellipsoid** | | | | | **UTM Zone 16 - CM 87° West** | | |
| Latitude | 28° | 53’ | 34.997” | North | Easting | 1,287,300 | US ft E |
| Longitude | 88° | 06’ | 13.8266” | West | Northing | 10,487,061 | US ft N |
| Latitude Decimal | | | | 28.89305480 | | | |
| Longitude Decimal | | | | -88.10384070 | | | |
| FWL Mississippi Canyon 82 | | | | 4,260ft | US ft | Inline | 12780 |
| FSL Mississippi Canyon 82 | | | | 981ft | US ft | Crossline | 16397 |
| Water Depth: -4,299ft | | | | Slope: 2.5° WNW | | | |
| Nearest Shoreline | | | | 57 nm @ 286° | | | |
| Port of Operation | | | | Fourchon | | 128 nm @ 274° | |
| Nearest Manned Platform | | | | Horn Mountain in MC127 | | 2.43 Miles @ 139° | |

**There are no areas with the potential for a Sensitive Sessile Benthic Community within the study area considered for the above-referenced prospect-wide shallow geologic hazards report, and therefore no areas within 2,000ft of the proposed location.**

***Conclusions and Recommendations:*** The proposed MC126-Y and proposed MC126-YY well locations will not impact any sites favorable for development of sensitive sessile benthic communities.

Sincerely,
**Anadarko Petroleum Corporation**




Proposed MC126-Y Well Location
(1,287,300ft E / 10,487,161ft N)

Proposed YY Well Location

Existing wells

Block boundaries

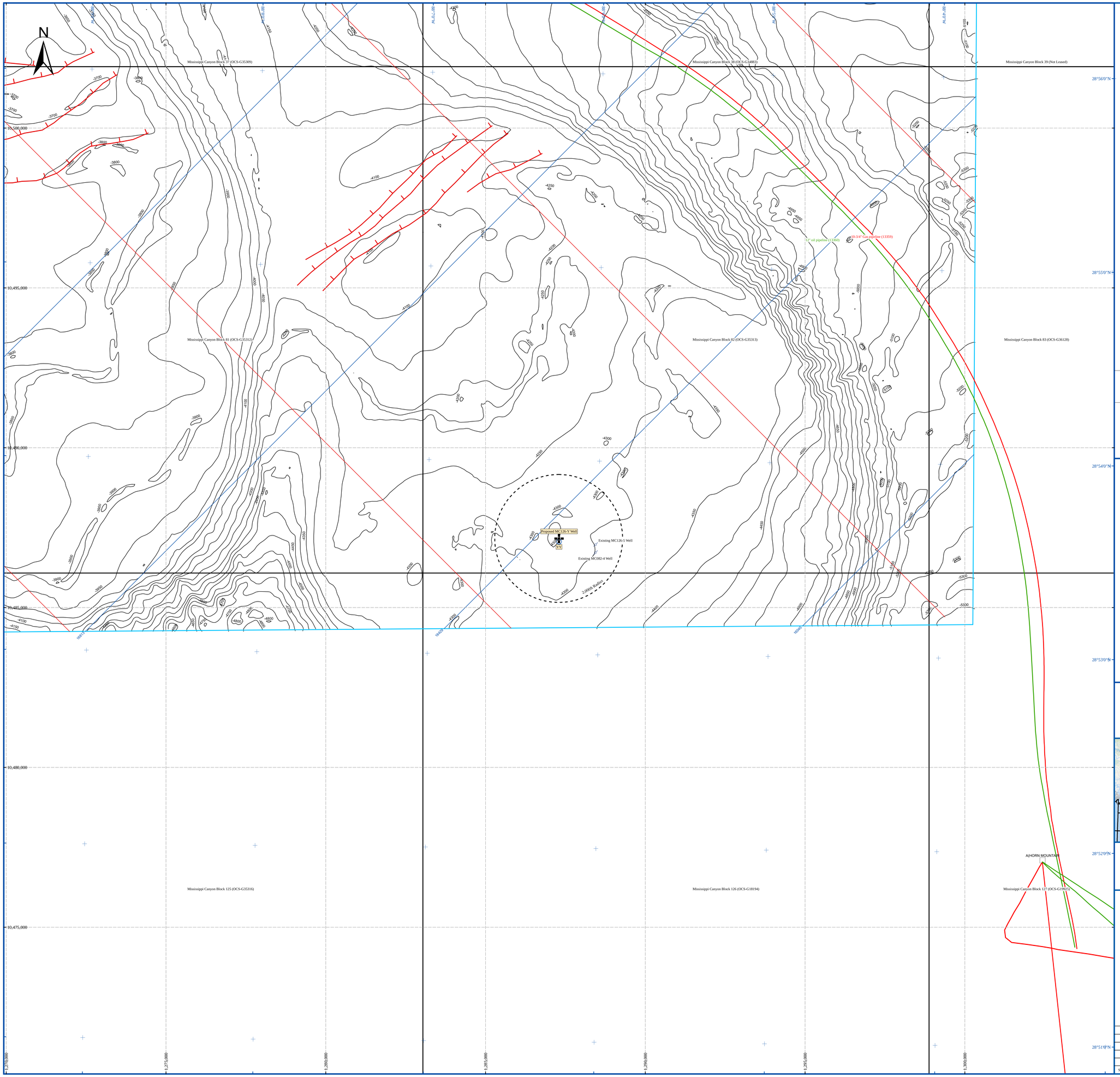
-4300 Depth in feet below sea surface to seabed, contoured at 50ft intervals

Chart scale 1" = 2,000'

0 500 1,000 2,000 Feet

0 125 250 500 Meters

# Biological, Physical & Soci-Economic Plat



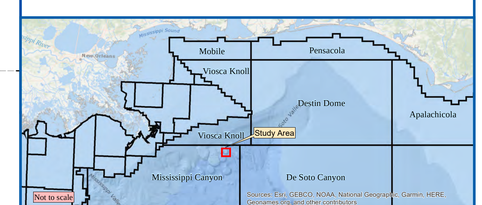

## LEGEND

- Proposed MC126-Y Well Location (1,287,300ft E / 10,487,161ft N)
- Proposed YY Well Location
- Existing Wells
- Platform
- Pipelines
- Inline
- Crossline
- Block boundaries
- Study area boundary
- -4300 Depth in feet below sea surface to seabed, contoured at 50ft intervals
- Seabed faults, tick denotes down thrown side of fault

Chart Scale 1" = 1,000'

0 1,000 2,000 4,000 6,000 Feet

0 250 500 1,000 1,500 Meters




## GEODETIC INFORMATION

Coordinate System: NAD 1927 UTM Zone 16N
Projection: Transverse Mercator
Datum: North American 1927
Units: Foot US

False Easting: 1,640,416.6667
False Northing: 0.0000
Central Meridian: -87.0000
Scale Factor: 0.9996
Latitude Of Origin: 0.0000

Gardline

Anadarko Petroleum Corporation

# 3D GEOHAZARD ASSESSMENT
# GULF OF MEXICO
# ROSE PROSPECT
# BLOCK 82
# PROPOSED MC126-Y WELL LOCATION

## BIOLOGICAL, PHYSICAL AND SOCIO-ECONOMIC CHART

Prepared by: Gardline Surveys, Inc. 1500 Bingle Road, Houston, Texas, 77055. Telephone: 713.481.4630

| REV | DATE | REMARKS | AUTHOR | DRAWN | CHECKED |
|---|---|---|---|---|---|
| 0 | February 7, 2018 | Draft | LF | KB | ARH |
| 1 | March 9, 2018 | Final | LF | KB | ARH |
| | | | | | |
| SURVEY DATE | N/A | REPORT REF | 2018-006 | REFF NO | 2018-006.01 |

10344 Sam Houston Park Dr.
Houston, Texas 77064
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www.gemsinc.com

June 11, 2014

Project No. 0514-2387

Freeport-McMoRan Oil & Gas
400 East Kaliste Saloom Road
Suite 1100
Lafayette, LA 70508

Attention: Mr. Brian Brennan

# Site Clearance Letter for Proposed Wellsite MC 126-D Block 126 (OCS-G-18194) Mississippi Canyon Area Gulf of Mexico

Freeport-McMoRan Oil & Gas (FMI) contracted Geoscience Earth & Marine Services (GEMS) to provide an assessment of the seafloor and shallow geologic conditions to determine the favorability of drilling operations for the proposed location MC 126-D in Block 126 (OCS G-18194), Mississippi Canyon Area, Gulf of Mexico. This letter addresses specific seafloor and subsurface conditions around the proposed location to the limit of investigation, a depth of about 814 ft below the mudline (bml).

Seafloor conditions appear favorable within the vicinity of the proposed surface location. Logs from offset wells show minor sand layers below 339 ft bml. There is a negligible potential for encountering overpressured sands or significant shallow gas within the limit of investigation based on offset well information, the thin overburden above salt, and amplitude analysis. Caution is recommended while drilling through a potentially faulted unit below 339 ft bml.

This letter provides details specific to the well location, including: available data, Notice to Lessees (NTL) requirements, man-made features, and wellsite conditions.

## Proposed Well Location

The surface location for the Proposed Exploration Wellsite MC 126-D lies in the north-central portion of MC 126. FMI provided the following coordinates:

**Table 1. Proposed Location Coordinates**

| Proposed Wellsite MC 126-D | | | |
|---|---|---|---|
| **Spheroid & Datum: Clarke 1866, NAD27 Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,292,034 ft | Latitude: 28º 52’ 58.19623” N | Inline 6751 | 6,846 ft FEL |
| Y: 10,483,301 ft | Longitude: 88º 05’ 20.17169” W | Crossline 6941 | 2,779 ft FNL |

FMI will drill this well using a dynamically positioned drilling vessel. Our assessment addresses the seafloor conditions within a 2,000-ft radius around the proposed wellsite location.

## Available Data

The following discussion is based on the findings provided within the geohazard report “Geologic and Stratigraphic Assessment, Blocks 82, 126, and 127, Mississippi Canyon Area, Gulf of Mexico” (GEMS Project No. 0413-2235) submitted to Plains Exploration and Production Company (PXP) in September 2013. The text, maps, and figures included in the report provide detail on the regional geology of the

Study Area. PXP provided an exploration 3-D seismic time volume for the geohazard analysis, covering an approximate 135.5 square-mile "Survey Area" that includes all or portions of Federal lease Blocks MC 37-39, 81-84, 125-128, and 169-172 (Figure D-1). Sub-seafloor mapping was limited to an approximate 27 square-mile “Study Area” covering all of GC 82, 126, and 127. PXP also provided high-resolution geophysical data collected by C & C Technologies, Inc., (C & C) in May and June 2013 using an AUV (Autonomous Underwater Vehicle) over the three-block Study Area (Figure D-1). These data included 1.5-4.5 kHz subbottom profiler, 230-kHz side-scan sonar, and 3-meter bin multibeam bathymetry data.

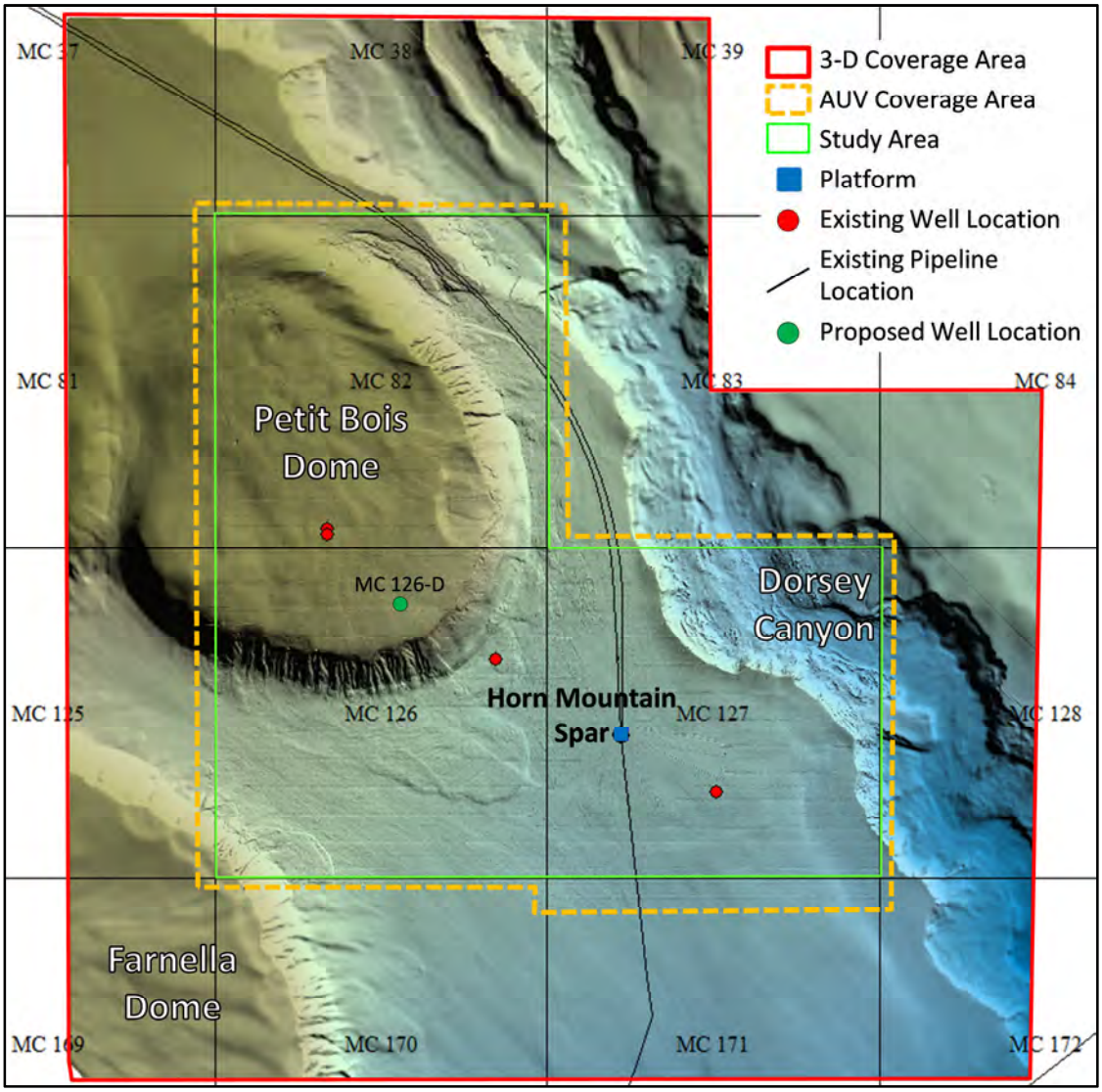


***Figure D-1.*** Seafloor Rendering of the Mississippi Canyon Survey Area.

## Attachments

Wellsite maps are centered on the Proposed Exploration Wellsite MC 126-D location and are displayed at a 1 inch = 1,000 ft scale (1:12,000). The maps included in this letter are as follows:

| | |
|---|---|
| Map No. MC 126-D-1: | Bathymetry Map |
| Map No. MC 126-D-2: | Seafloor Features Map |
| Map No. MC 126-D-3: | Side-Scan Sonar Mosaic |
| Map No. MC 126-D-4: | Geologic Features Map |

The illustrations accompanying this letter were extracted from the available datasets and are listed below:

Illustration MC 126-D-1: Subbottom Profiler Line Showing Near-Surface Conditions Near Proposed Wellsite MC 126-D
Illustration MC 126-D-2: Portions of Inline 6751 and Crossline 6941 Showing Conditions Beneath Proposed Wellsite MC 126-D
Illustration MC 126-D-3: Tophole Prognosis Chart, Proposed Wellsite MC 126-D, Mississippi Canyon, Block 126
Illustration MC 126-D-4: Correlation Between Proposed MC 126-D and Existing Well

## NTL Requirements

The following report complies with the Bureau of Ocean Energy Management (BOEM) Notice to Lessees (NTL's) 2009-G40, 2008-G04, and 2008-G05 (MMS, 2010 and 2008a, b). BOEM'S NTL 2014-G03 (BOEM, 2014a) extends the expiration of NTL 2008-G04 and 2008-G05. The Federal lease Block MC 126 is considered archaeologically significant (NTL 2011-JOINT-G01, BOEM, 2011); therefore, requirements set forth in NTL 2005-G07 (MMS, 2005) are applicable in terms of high-probability for historic resources. C & C prepared an archaeological assessment to comply with the Archaeological Resource Surveys and Reports requirements and submitted the report to PXP in August 2013 (C & C, 2013).

As specified in NTL 2008-G05 (MMS, 2008b), GEMS extracted the power spectrum diagram from the 3-D seismic data cube provided by PXP at the proposed wellsite (Figure D-2). The extraction was generated within a 2,000-ft radius of the intersection of the inline and crossline at the proposed wellsite. The extraction time interval consisted of the seafloor to the Top of Salt. We converted the amplitude vs. frequency spectrum, generated by the SMT software, to power vs. frequency by squaring the amplitude values as described by J. A. Coffeen, 1978.

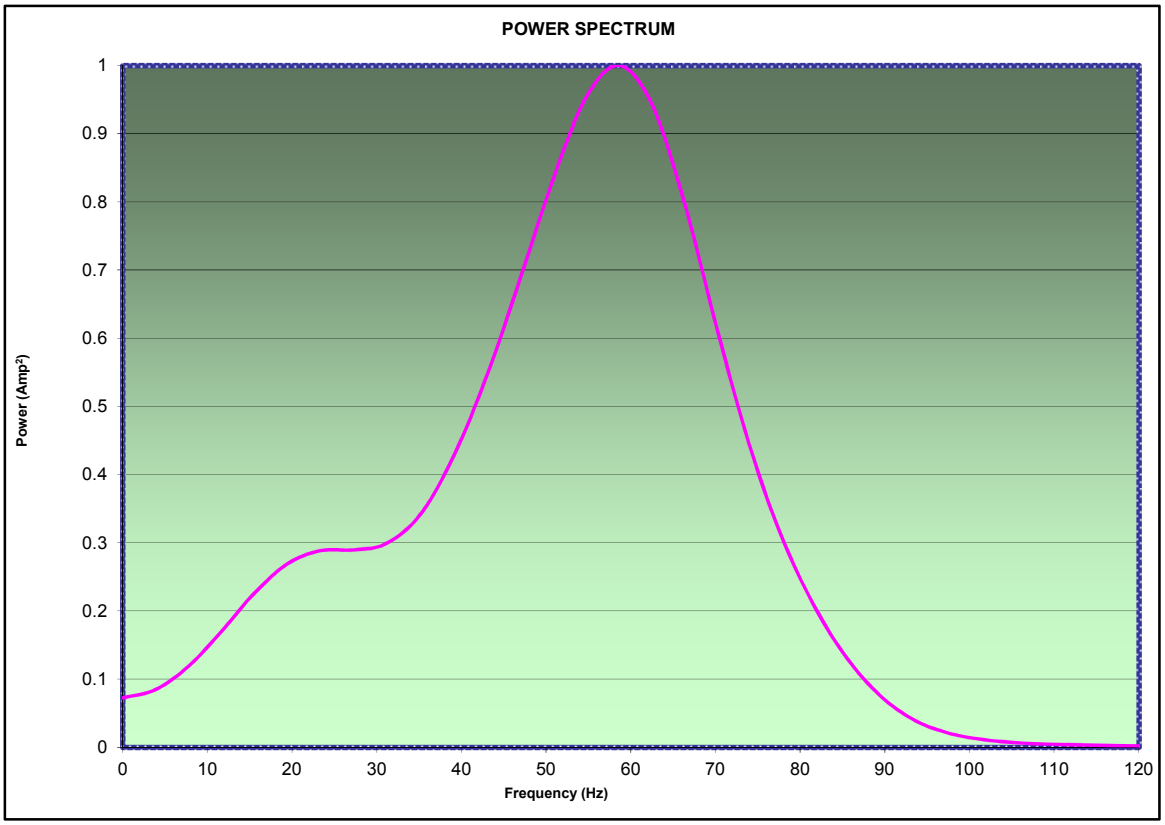


***Figure D-2.*** Power Spectrum Curve, Proposed Wellsite MC 126-D

## Man-Made Features

The Proposed Wellsite MC 126-D is located in the Horn Mountain development area (Figure D-1). Several wells have previously been drilled near the proposed MC 126-D location in MC 82, 126, and 127. Table 2 provides a summary of the exploration wells drilled within 6,000 feet of the proposed MC 126-D well:

**Table 2. Existing Well Locations Near the Proposed Wellsite**

| Surface Area / Block | Well Name | Operator | Well Status | Distance / Direction from Proposed Surface Location |
|---|---|---|---|---|
| MC 82 | #4 | Plains Exploration & Production Company | Plugged and Abandoned | 4,964 ft/Northwest |
| MC 82 | #5 | Freeport McMoRan Oil & Gas LLC | Temporarily Abandoned | 5,136 ft /Northwest |
| MC 126 | #1 | Plains Exploration & Production Company | Plugged and Abandoned | 5,143 ft/Southeast |

Note: Latest infrastructure update from the BOEM database on May, 2014 (BOEM, 2014b).

Plains' truss spar, approximately 12,085 ft southeast of the Proposed MC 126-D location in west-central MC 127, serves as the production facility for the Horn Mountain development area (Figure D-1). Oil is exported from the spar to the north-northwest to Main Pass (MP) 289 through Plains' 12-inch pipeline. Plains' 10-inch gas pipeline trends parallel to the oil pipeline to VK 998 then extends north to northeast to MP 260. These pipelines lie about 1.9 to 2.0 miles east of the proposed location. A 2-inch, BP operated service pipeline trends south from the Horn Mountain spar to MC 258.

No side-scan sonar contacts are located within a 4,000 ft radius of the proposed location (Maps MC 127-D-3), C & C, 2013. No archaeological avoidances or known shipwrecks exist near the proposed site. Small shallow depressions and linear features can be seen on the side-scan sonar and multibeam bathymetry data within 2,500 ft of the proposed location (Figure D-3). The closest of the depressions lies about 725 ft east-northeast of the proposed MC 126-D well. These areas are likely associated with previous exploration activities in the immediate area.

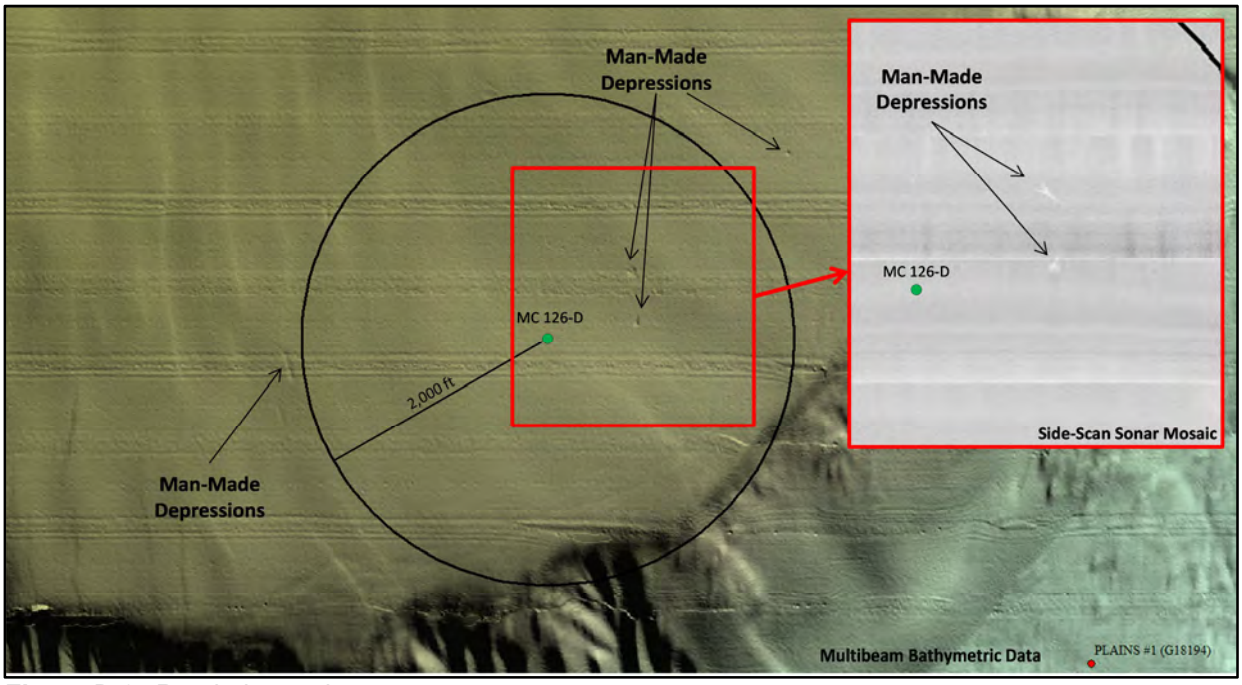


***Figure D-3.*** Rendering and Sonar Mosaic Showing Seabed Depressions Associated With Exploration Activities

## Wellsite Conditions

The proposed location is clear of any constraining seafloor conditions as defined by the AUV and 3-D seismic datasets. The proposed wellbore will likely penetrate interbedded sand layers within a highly faulted unit below 339 ft bml. The existing nearby Plains/Freeport McMoRan #4 and #5 wells in MC 82 reported successful jet in operations and the 26" open hole section was drilled successfully to the Top of Salt. No gas accumulations or shallow water flow was reported from these wells.

### Water Depth and Seafloor Conditions

The water depth at the proposed surface location is –4,526 ft (Map MC 126-D-1). The seafloor slopes to the southeast at 2.5°. The MC 126-D location is situated atop Petit Bois Dome, an uplifted bathymetric high (Figure D-1). Overall, the seabed within the vicinity of the surface location is relatively smooth and, based on the current geophysical data provided, appears to be stable (Maps MC 126-D-1 and MC 126-D-2, Illustration MC 126-D-1). An approximate 6 ft surficial drape of soft, high water content silty clays covers the seafloor at the proposed wellsite (Illustration MC 126-D-1).

The rugged escarpment forming the flank of Petit Bois Dome lies about 1,750 ft to the southeast. Although there is evidence of previous slope failure along the steeply sloping escarpment, major slope failure events are not expected at present time. Varying natural and anthropogenic processes can act to reduce stability, but the primary driver is sea level change and its relationship to sediment loading above salt. During present time, sea level is at a high stand and sedimentation rates are low; therefore, the slopes are considered relatively stable over the life of a well.

### Deepwater Benthic Communities

No features or areas were interpreted within 2,000 ft of the proposed location that are capable of supporting high-density chemosynthetic or other deepwater benthic communities. The side-scan sonar mosaic indicates a homogenous seabed in the vicinity of the proposed location, suggesting normal Gulf of Mexico surficial sediments (Map MC 126-D-3).

### Stratigraphy

Stratigraphic conditions are shown on Illustrations MC 126-D-2 and MC 126-D-3. The surficial and shallowest units, seafloor to Horizon 20 (to about 339 ft bml), will likely consist of an approximate 6-ft very soft silty clay hemipelagic drape overlying stratified, normally consolidated hemipelagic clays, silty clays, and muddy turbidites (Illustrations MC 126-D-1 through MC 126-D-3).

The sedimentary section below Horizon 20 to the limit of investigation (814 ft bml) consists primarily of interbedded hemipelagic and pelagic clays, turbidites, and mass-transport complexes (Illustration MC 126-D-3). Well logs from the nearby MC 82 #4 and MC 126 #5 wells in MC 82 indicate a generally clay-prone shallow section with minor interbedded sand layers below Horizon 20 (339 ft bml); Illustration MC 126-D-4.

The Top of Salt is estimated to be 814 ft bml (-5,340 ft bsl) and dips to the southeast at about 5.5°.

### Faults

No seafloor faults will be penetrated by the proposed wellsite (Illustrations MC 126-D-1 through MC 126-D-4). A vertical wellbore at the proposed location will intersect a buried fault at a depth of approximately 546 ft bml (-5,072 ft bsl), Illustration MC 126-D-3. There may be additional faults characterized by minor offsets below the resolution of the 3-D dataset, particularly in the highly fractured unit below Horizon 20 to the Top of Salt (339 ft to 814 ft bml). Engineers should be aware of the potential for lost circulation across fault planes.

### Shallow Gas and Shallow Water Flow

Significant shallow gas is not likely to be encountered within the shallow sediments above Top of Salt (814 ft bml), Illustration MC 126-D-3. The potential for shallow water flow is considered negligible.

***Shallow Gas.*** There are no apparent high-amplitude anomalies or other direct hydrocarbon indicators directly below or in the immediate vicinity of the proposed wellsite (Map MC 126-D-4 and Illustration MC 126-D-2). Sand layers are possible within the shallow section, particularly below Horizon 20 (339 ft bml) to the Top of Salt. However, there is a negligible potential for encountering significant gas accumulations within the stratigraphic sequence above salt. The closest occurrence of a high-amplitude anomaly is approximately 2,750 ft northwest of the proposed wellsite within the Horizon 20 to Top of Salt interval (Map MC 126-D-4). This anomaly poses no threat to the proposed wellsite.

***Shallow Water Flow.*** The potential for shallow water flow at this well location is considered negligible based on the thin sediment section above salt at the location, the lack of regionally extensive sand-prone complexes in the shallow section, the lack of reported water flow incidents from the nearby existing wells, and offset well log data. Sand layers are possible below Horizon 20 (339 ft bml); however, any fluids encountered are not likely to be overpressured.

## Results

The probability for encountering minor sand in the shallow section increases below 339 ft bml to the Top of Salt (814 ft bml). There is a negligible potential for encountering overpressured sands or shallow gas within the limit of investigation. Engineers should be aware of the potential for a loss of circulation across the buried fault at about 546 ft bml. It is possible that additional faults exhibiting minor offset may be penetrated below 339 ft bml; however, these faults are below the resolution of the current 3-D data volume.

## Closing

We appreciate the opportunity to be of service to Freeport-McMoRan Oil & Gas and look forward to working with FMI on future projects.

Sincerely,

**GEOSCIENCE EARTH & MARINE SERVICES**

Erin Williams Janes
Project Manager/Senior Geoscientist

Daniel Lanier
Director

Attachments (4 Maps and 4 Figures)

Distribution:
Mr. Brian Brennan, Freeport-McMoRan Oil & Gas, (6 copies)

**REFERENCES**

BOEM (Bureau of Ocean Energy Management), 2011, Notice to lessees and operators (NTL) of federal oil and gas leases and pipeline right-of-way (ROW) holders on the outer continental shelf (OCS), Revisions to the list of OCS lease blocks requiring archaeological resource surveys and reports: U. S. Department of the Interior, Bureau of Ocean Energy Management, Bureau of Safety and Environmental Enforcement Gulf of Mexico Region (GOMR), NTL 2011-JOINT-G01. Effective Date December 29, 2011.

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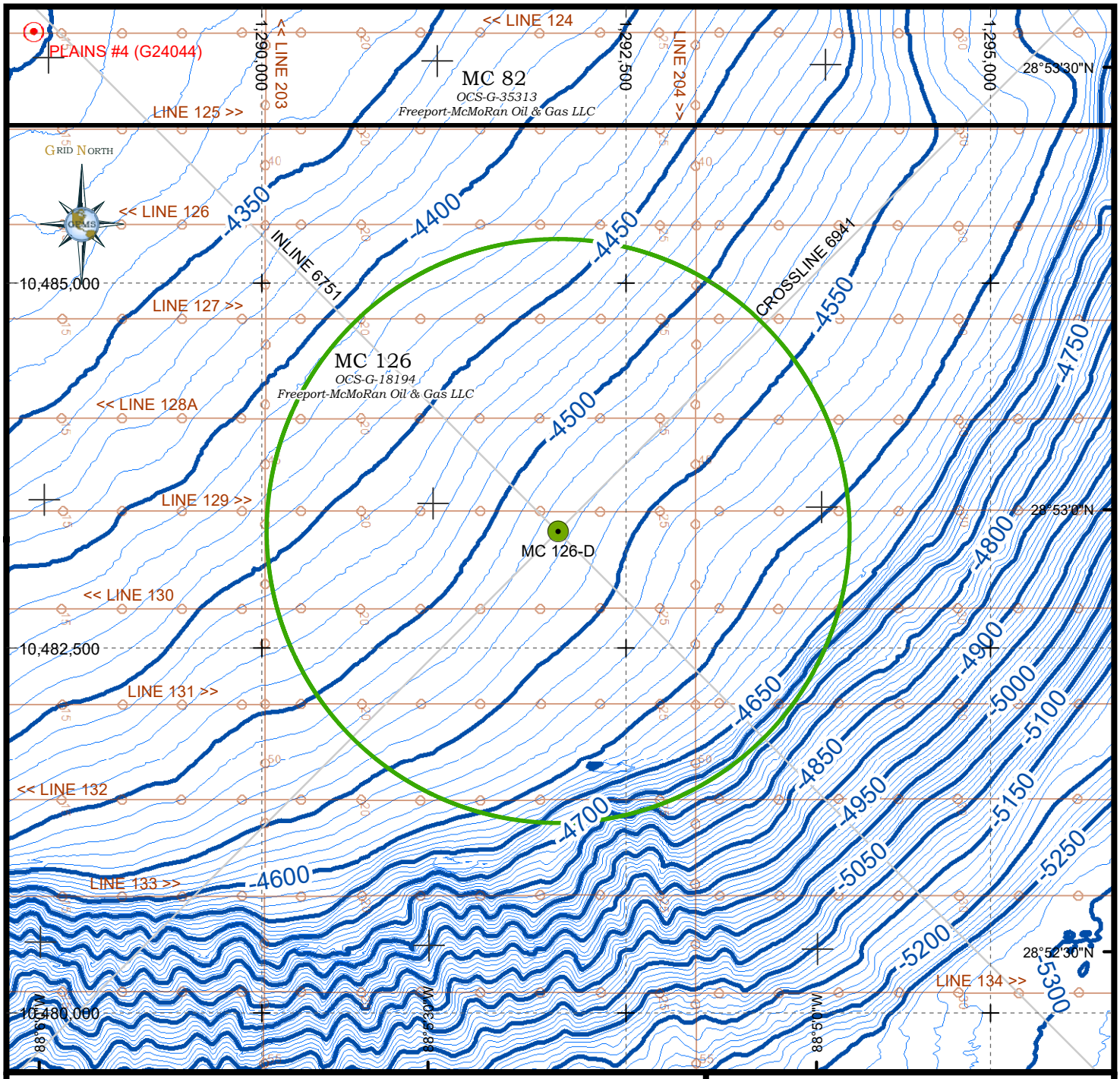



PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

3D SURVEY LINE.

C & C 2013 AUV SURVEY.

EXISTING WELL LOCATION AS REPORTED BY BOEM.

WATER DEPTH CONTOUR IN FEET. CONTOUR INTERVAL = 10 FOOT.

**NOTE: BATHYMETRY CONTOURS GENERATED FROM MULTIBEAM BATHYMETRY DATA, SUPPLEMENTED IN AUV SURVEY GAPS WITH THE 3-D DATA SET.**

# FREEPORT-MCMORAN OIL & GAS LLC

## BATHYMETRY MAP

"HORN MOUNTAIN PROSPECT"

BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

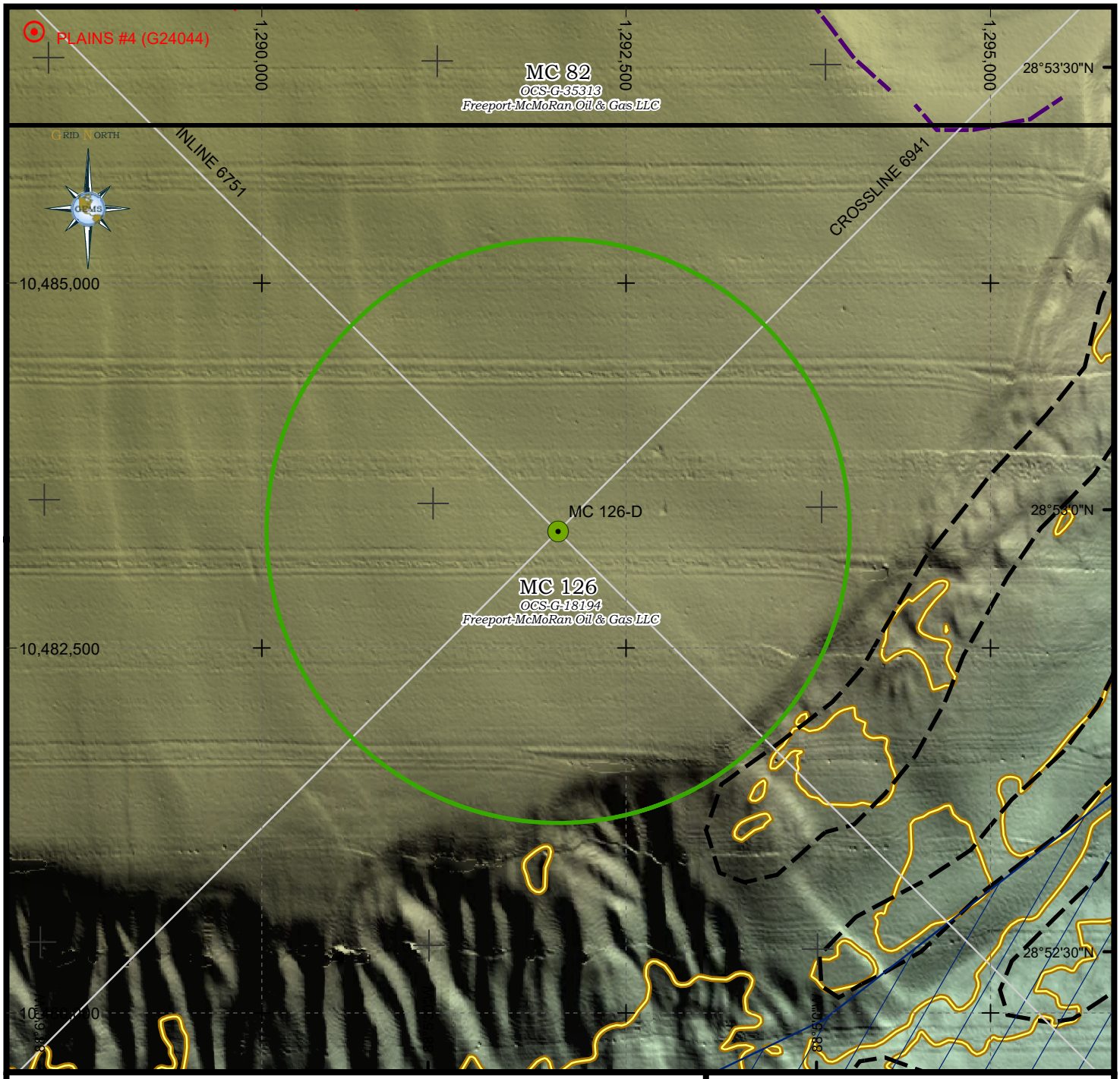
Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC.

FORUM ENERGY TECHNOLOGIES

DATE: 11 JUNE 2014
FILE NAME: 2387-D-1_Bathy.mxd
PROJECT NO.:0514-2387

MAP NO. MC 126-D-1




PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

EXISTING WELL LOCATION AS REPORTED BY BOEM.

SLUMP SCARP, BURIED WITH SEAFLOOR EXPRESSION, RELATED TO PAST SLOPE FAILURE EVENTS.

AREAS OF POSITIVE ANOMALIES AS REPORTED BY BOEM (2014c).

AMPLITUDE ANOMALIES AT THE SEAFLOOR (FROM 3D SEISMIC).

MASS GRAVITY FLOW DEPOSIT (MGFD), BURIED WITH SEAFLOOR EXPRESSION.

RELATIVE WATER DEPTH

Shallow

Deep

*ALTITUDE = 40°*
*AZIMUTH = 45°*
*V.E. = 2X*

**NOTE: SEAFLOOR IMAGE GENERATED FROM MULTIBEAM BATHYMETRY DATA, SUPPLEMENTED IN AUV SURVEY GAPS WITH THE 3-D DATA SET.**

# FREEPORT-MCMORAN OIL & GAS LLC

## SEAFLOOR FEATURES MAP

"HORN MOUNTAIN PROSPECT"

BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

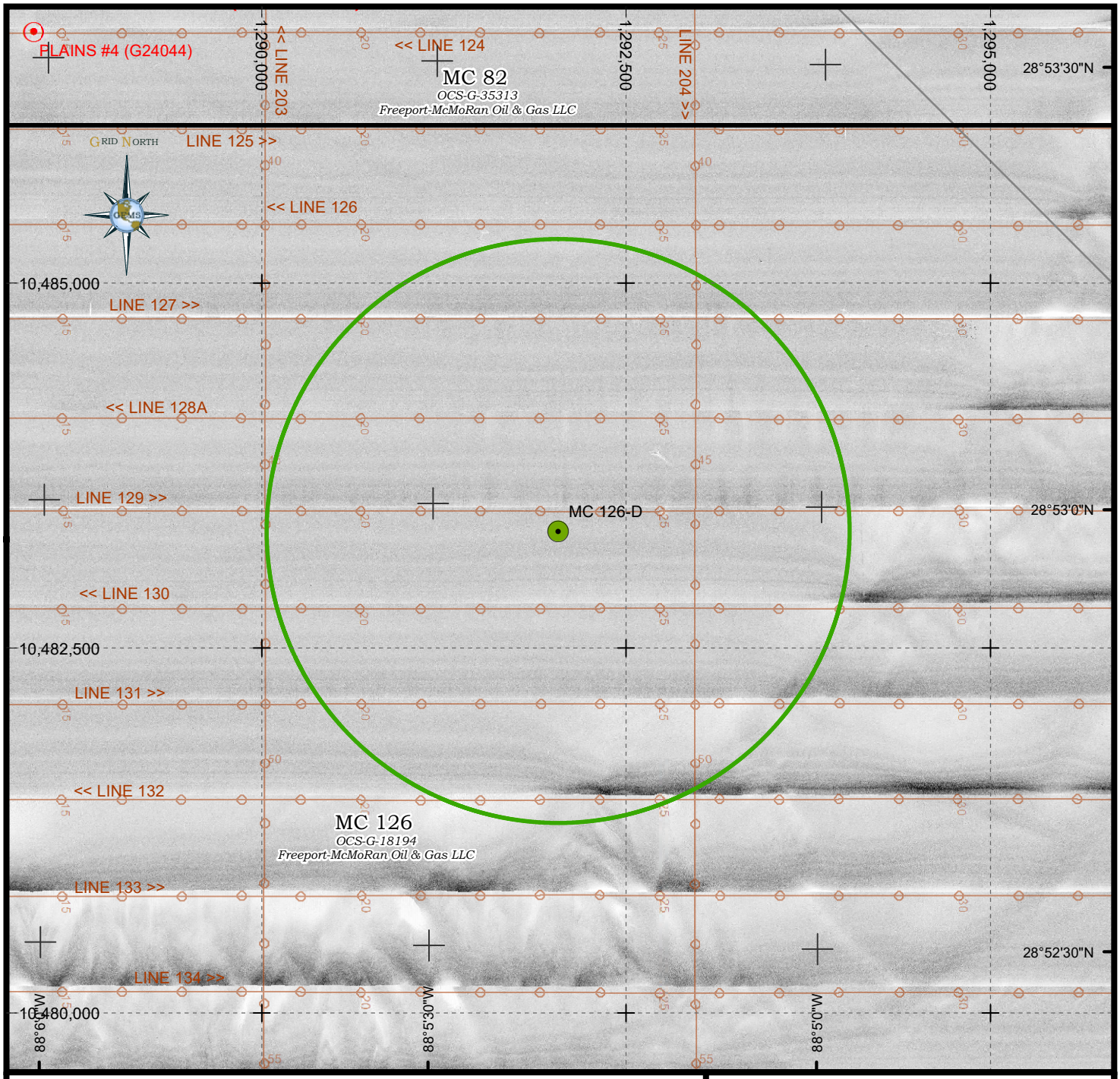
Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC.

FORUM ENERGY TECHNOLOGIES

DATE: 11 JUNE 2014
FILE NAME: 2387_MC126-D-2_Feat.mxd
PROJECT NO.:0514-2387

MAP NO. MC 126-D-2




PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

C & C 2013 AUV SURVEY.

EXISTING WELL LOCATION AS REPORTED BY BOEM.

NOTE: NO SIDE-SCAN SONAR CONTACTS ARE INTERPRETED WITHIN 4,000 FT RADIUS AROUND THE PROPOSED LOCATION (C & C, 2013).

# FREEPORT-MCMORAN OIL & GAS LLC

## SIDE-SCAN SONAR MOSAIC

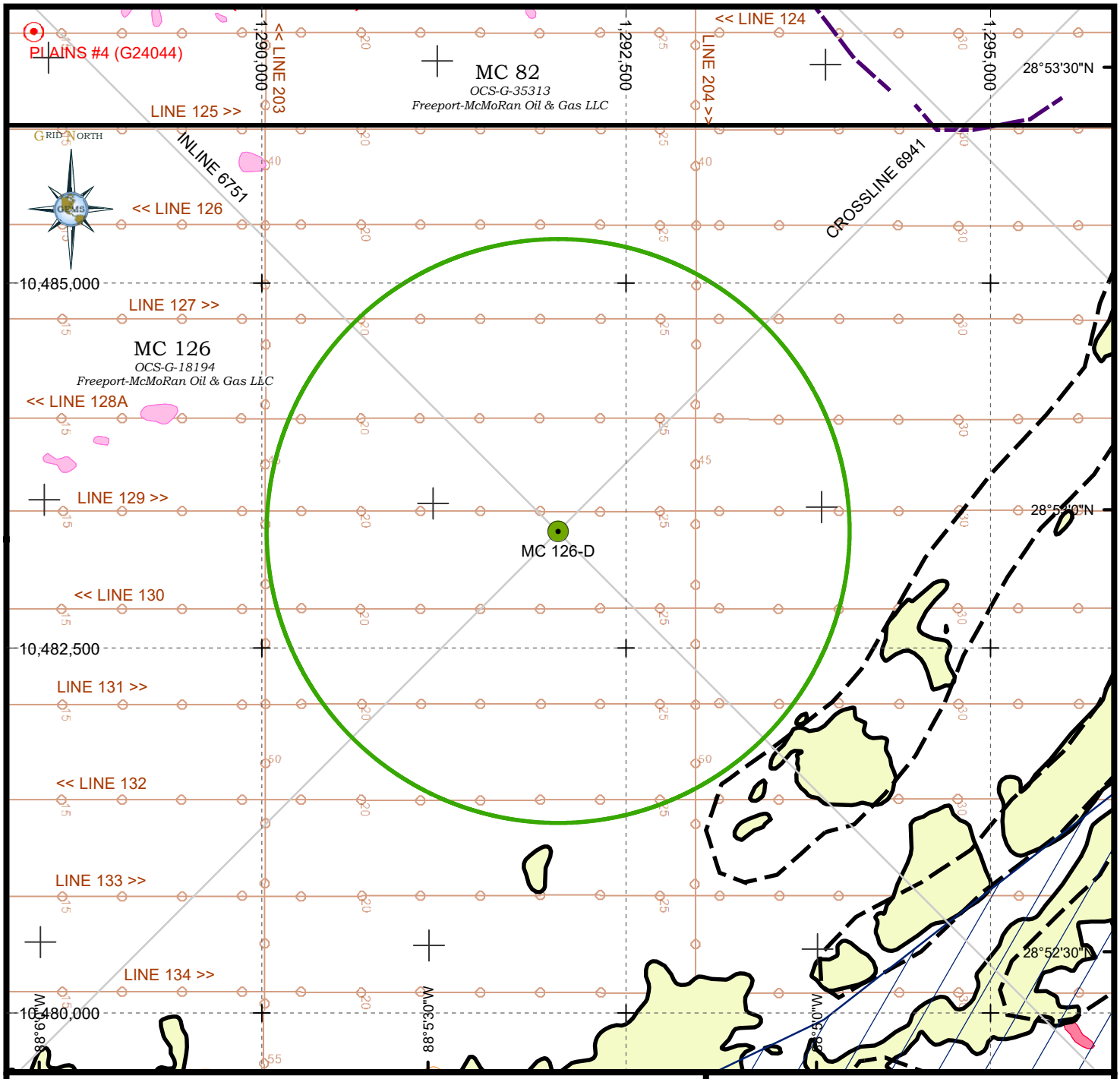
"HORN MOUNTAIN PROSPECT"

BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

Feet
0 500 1,000 2,000

DATE: 11 JUNE 2014
FILE NAME: 2387_MC126-D-3_Mos.mxd
PROJECT NO.:0514-2387

MAP NO. MC 126-D-3




PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

3D SURVEY LINE.

C & C 2013 AUV SURVEY.

EXISTING WELL LOCATION AS REPORTED BY BOEM.

MASS GRAVITY FLOW DEPOSIT (MGFD), BURIED WITH SEAFLOOR EXPRESSION.

SLUMP SCARP, BURIED WITH SEAFLOOR EXPRESSION, RELATED TO PAST SLOPE FAILURE EVENTS.

AREAS OF POSITIVE ANOMALIES AS REPORTED BY BOEM (2013c).

AMPLITUDE ANOMALIES AT THE SEAFLOOR (FROM 3D SEISMIC).

**SUBSURFACE AMPLITUDE ANOMALIES**

AMPLITUDE ANOMALIES BETWEEN HORIZON 50 AND LIMIT OF INVESTIGATION (3530 FT TO ~ 4810 FT BML).

AMPLITUDE ANOMALIES BETWEEN SEAFLOOR AND TOP OF SALT (0 FT TO ~ 4810 FT BML).

# FREEPORT-MCMORAN OIL & GAS LLC

## GEOLOGIC FEATURES MAP

"HORN MOUNTAIN PROSPECT"

BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC.

FORUM ENERGY TECHNOLOGIES

DATE: 11 JUNE 2014
FILE NAME: 2387_MC126-D-4_Geol.mxd
PROJECT NO.:0514-2387

MAP NO. MC 126-D-4

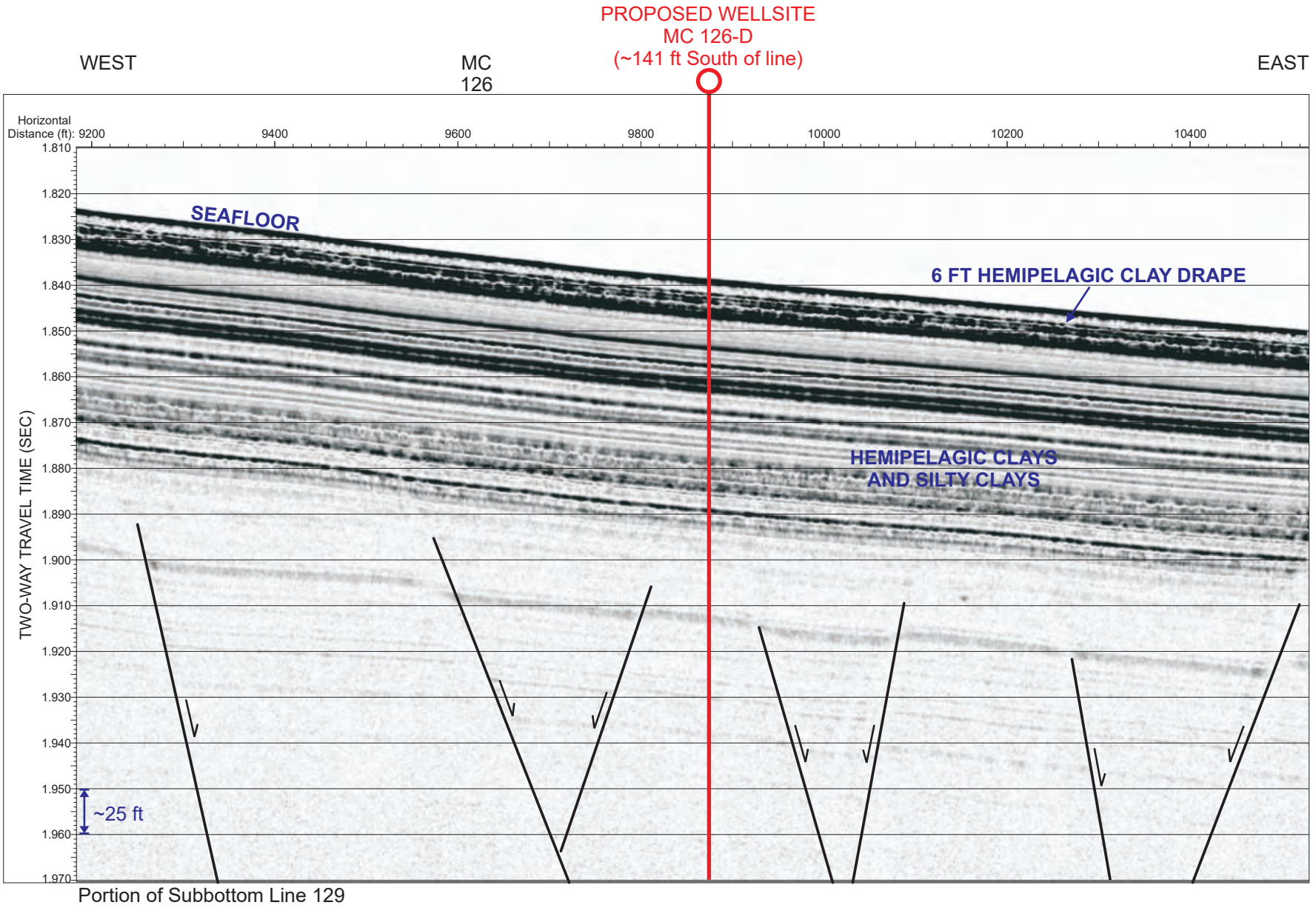



Illustration MC 126-D-1. Subbottom Profiler Line Showing Near-Surface Conditions Near Proposed Wellsite MC 126-D

Project No. 0514-2387

Filename: 142387_ill_MC126-D-2.cdr

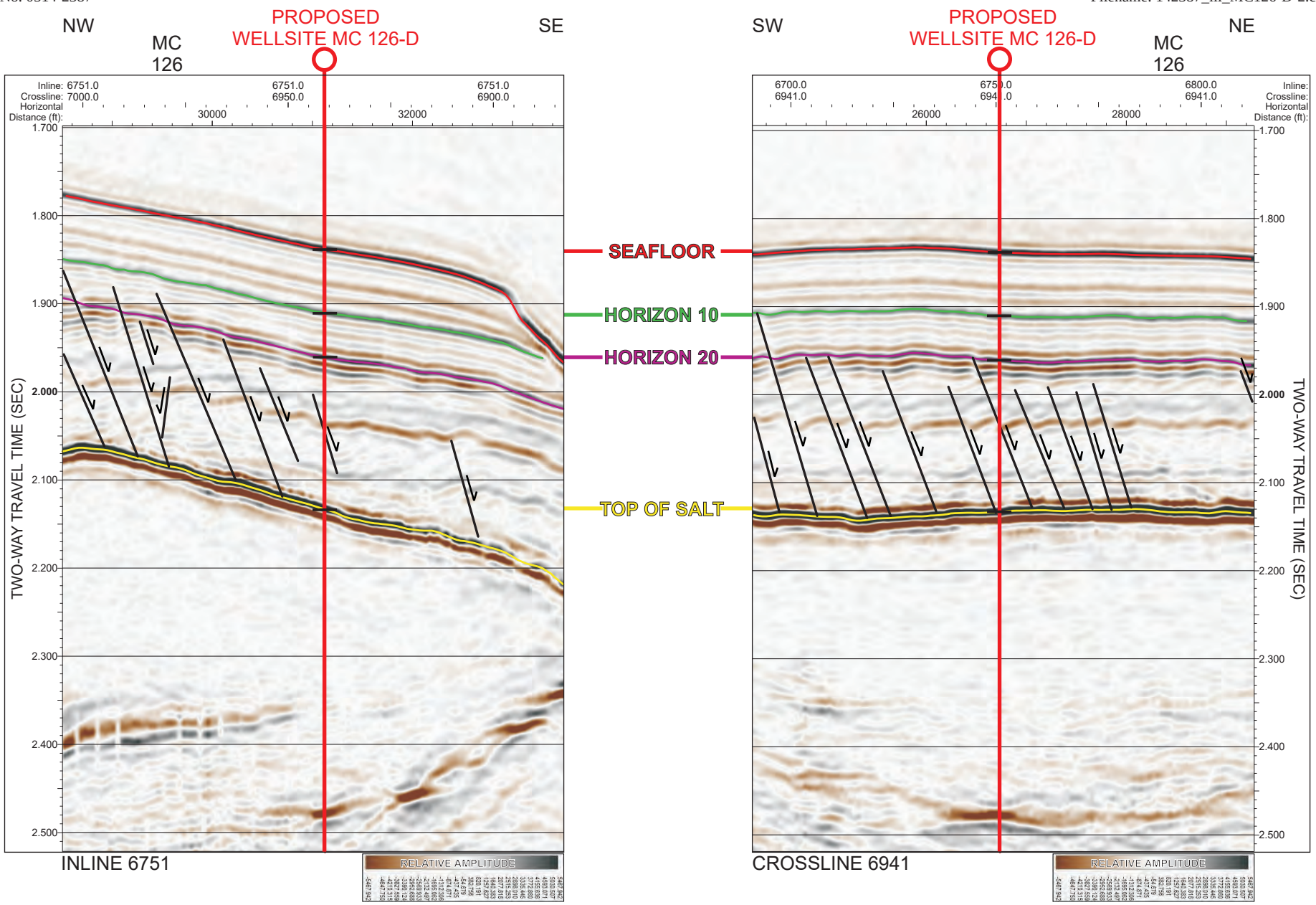
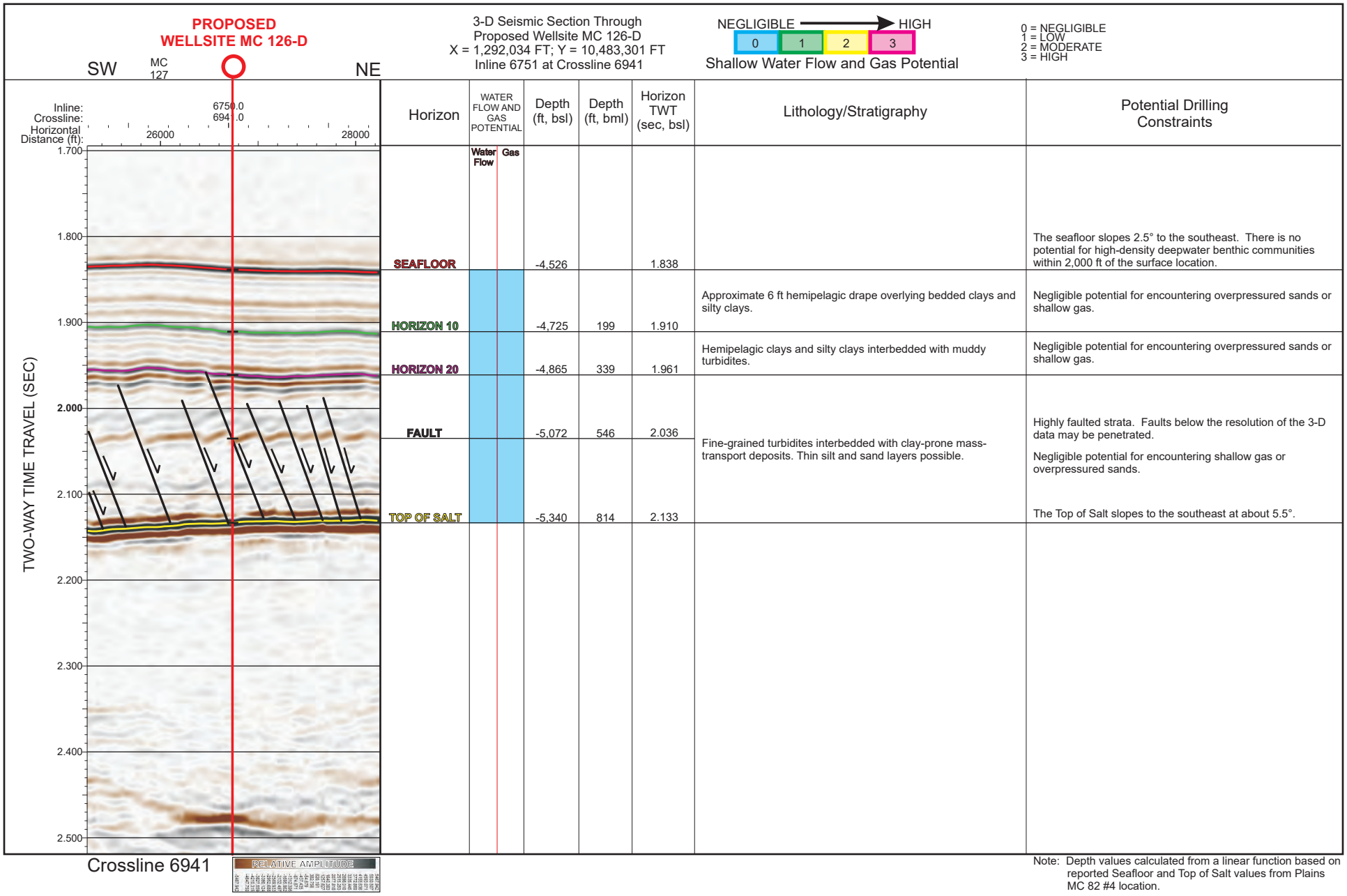



Illustration MC 126-D-2. Portions of Inline 6751 and Crossline 6941 Showing Conditions Beneath Proposed Wellsite MC 126-D




| Horizon | WATER FLOW AND GAS POTENTIAL | Depth (ft, bsl) | Depth (ft, bml) | Horizon TWT (sec, bsl) | Lithology/Stratigraphy | Potential Drilling Constraints |
|---|---|---|---|---|---|---|
| | Water Flow / Gas | | | | | |
| SEAFLOOR | | -4,526 | | 1.838 | | The seafloor slopes 2.5° to the southeast. There is no potential for high-density deepwater benthic communities within 2,000 ft of the surface location. |
| HORIZON 10 | | -4,725 | 199 | 1.910 | Approximate 6 ft hemipelagic drape overlying bedded clays and silty clays. | Negligible potential for encountering overpressured sands or shallow gas. |
| HORIZON 20 | | -4,865 | 339 | 1.961 | Hemipelagic clays and silty clays interbedded with muddy turbidites. | Negligible potential for encountering overpressured sands or shallow gas. |
| FAULT | | -5,072 | 546 | 2.036 | Fine-grained turbidites interbedded with clay-prone mass-transport deposits. Thin silt and sand layers possible. | Highly faulted strata. Faults below the resolution of the 3-D data may be penetrated.<br>Negligible potential for encountering shallow gas or overpressured sands. |
| TOP OF SALT | | -5,340 | 814 | 2.133 | | The Top of Salt slopes to the southeast at about 5.5°. |

Note: Depth values calculated from a linear function based on reported Seafloor and Top of Salt values from Plains MC 82 #4 location.

Illustration MC 126-D-3. Tophole Prognosis Chart, Proposed Wellsite MC 126-D, Mississippi Canyon, Block 126

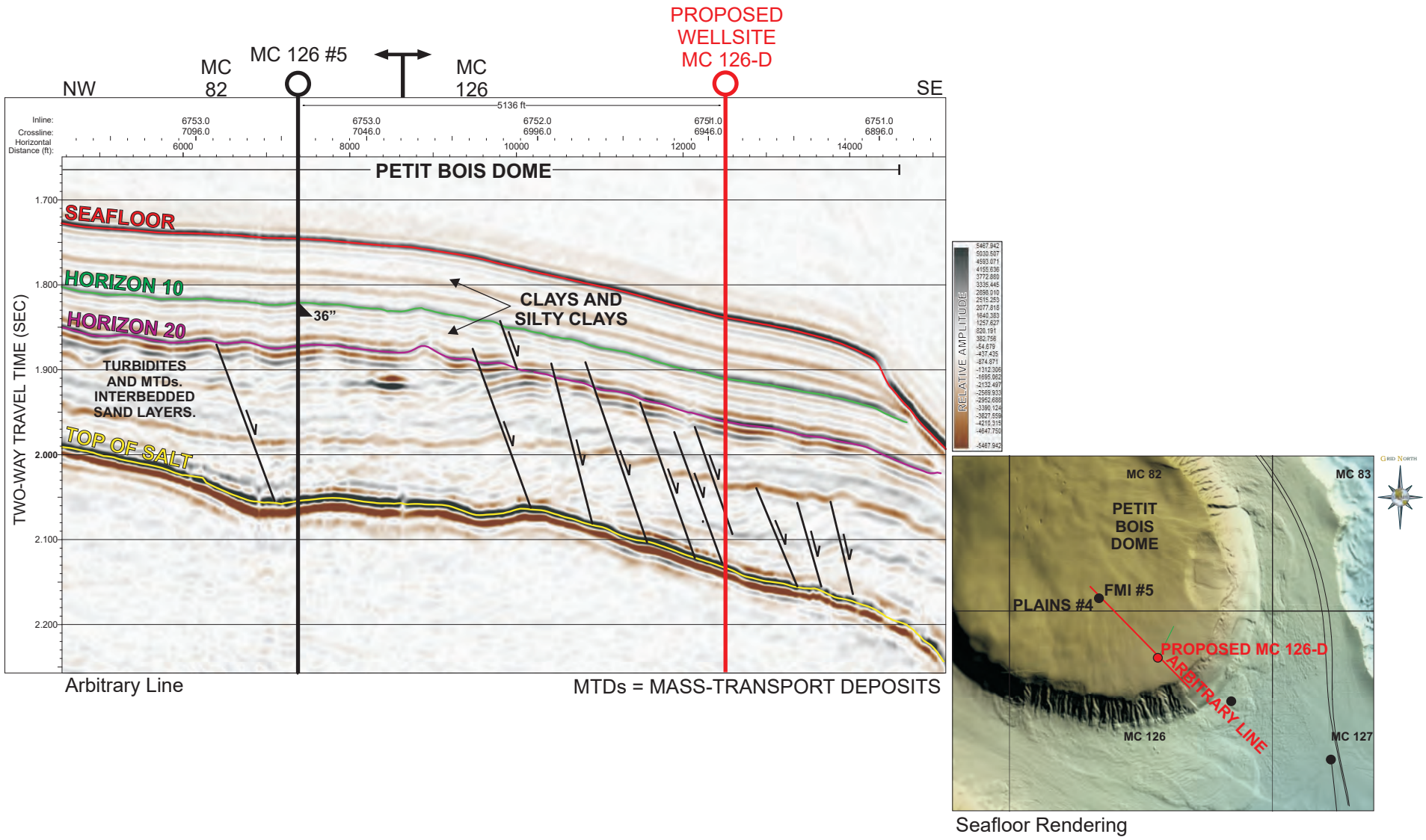



Illustration MC 126-D-4. Correlation Between Proposed MC 126-D and Existing Well

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

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**www.gemsinc.com**

August 29, 2024 Project No.: GHZ3272

Anadarko Petroleum Corporation
1201 Lake Robbins
Houston, TX 77010

Attention: Ms. Rachael Bennett

**Site Clearance Letter,**
**Proposed Wellsites MC 126 H, HH, I, II, J, JJ; MC 127 A, AA, B, and BB,**
**Block 126 (OCS-G-18194),**
**Mississippi Canyon Area,**
**Gulf of Mexico**

Anadarko Petroleum Corporation (Anadarko) contracted Geoscience Earth & Marine Services (GEMS), a Geosyntec Company, to provide an assessment of the seafloor and shallow geologic conditions to determine the favorability of drilling operations for Proposed Wellsites MC 126 H, HH, I, II, J, JJ and MC 127 A, AA, B, and BB, whose surface locations are in Block 126 (OCS-G-18194), Mississippi Canyon Area (MC), Gulf of Mexico. The proposed locations include five primary wells, MC 126 H, I, J and MC 127 A, and B, located at the same surface hole location. Their associated contingent respud locations, MC 126 HH, II, JJ and MC 127 AA, and BB occur approximately 25 ft north of the primary locations. Seafloor and shallow geologic conditions are assessed to be essentially identical at these locations and, therefore, one site clearance letter is presented. This letter addresses specific seafloor and subsurface conditions around the proposed locations to the Limit of Investigation at a depth of 5,100 ft below the mudline (bml).

Seafloor conditions appear favorable within the vicinity of the proposed surface location. There are no potential sites for deepwater benthic communities within 2,000 ft. There are no sonar contacts within 2,000 ft of the proposed site. Based on seismic characteristics and regional information, there is a Negligible to Low potential for encountering overpressured sands and a Negligible to Low-to-Moderate potential for shallow gas within the Limit of Investigation. This letter provides details specific to the well location, including available data, Notice to Lessees (NTL) requirements, man-made features, and wellsite conditions.

## Proposed Well Location

The surface location for the Proposed Wellsites MC 126 H, HH, I, II, J, JJ; MC 127 A, AA, B, and BB lies in the eastern portion of MC 126. Anadarko provided the following coordinates:

**Table-1.** Proposed Location Coordinates

| **Proposed Primary Wellsite MC 126 H** | | | |
|---|---|---|---|
| **Spheroid & Datum: Clarke 1866<br>NAD27 Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls<br>(MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 23.37” N | Inline 6796 | 352 ft FEL |
| Y: 10,479,421.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6762 | 6,658 ft FNL |
| **Proposed Respud MC 126 HH** | | | |
| **Spheroid & Datum: Clarke 1866<br>NAD27Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls<br>(MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 20.62” N | Inline 6797 | 352 ft FEL |
| Y: 10,479,446.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6763 | 6,633 ft FNL |

| Proposed Primary Wellsite MC 126 I | | | |
|---|---|---|---|
| **Spheroid & Datum: Clarke 1866 NAD27 Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 23.37” N | Inline 6796 | 352 ft FEL |
| Y: 10,479,421.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6762 | 6,658 ft FNL |
| **Proposed Respud MC 126 II** | | | |
| **Spheroid & Datum: Clarke 1866 NAD27Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 20.62” N | Inline 6797 | 352 ft FEL |
| Y: 10,479,446.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6763 | 6,633 ft FNL |

| Proposed Primary Wellsite MC 126 J | | | |
|---|---|---|---|
| **Spheroid & Datum: Clarke 1866 NAD27 Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 23.37” N | Inline 6796 | 352 ft FEL |
| Y: 10,479,421.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6762 | 6,658 ft FNL |
| **Proposed Respud MC 126 JJ** | | | |
| **Spheroid & Datum: Clarke 1866 NAD27Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 20.62” N | Inline 6797 | 352 ft FEL |
| Y: 10,479,446.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6763 | 6,633 ft FNL |

| Proposed Primary Wellsite MC 127 A | | | |
|---|---|---|---|
| **Spheroid & Datum: Clarke 1866 NAD27 Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 23.37” N | Inline 6796 | 352 ft FEL |
| Y: 10,479,421.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6762 | 6,658 ft FNL |
| **Proposed Respud MC 127 AA** | | | |
| **Spheroid & Datum: Clarke 1866 NAD27Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 20.62” N | Inline 6797 | 352 ft FEL |
| Y: 10,479,446.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6763 | 6,633 ft FNL |

| Proposed Primary Wellsite MC 127 B | | | |
|---|---|---|---|
| **Spheroid & Datum: Clarke 1866 NAD27 Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 23.37” N | Inline 6796 | 352 ft FEL |
| Y: 10,479,421.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6762 | 6,658 ft FNL |
| **Proposed Respud MC 127 BB** | | | |
| **Spheroid & Datum: Clarke 1866 NAD27Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 126)** |
| X: 1,298,527.80 ft | Latitude: 28º 52’ 20.62” N | Inline 6797 | 352 ft FEL |
| Y: 10,479,446.80 ft | Longitude: 88º 4’ 06.72” W | Crossline 6763 | 6,633 ft FNL |

Anadarko plans to drill this well using a dynamically positioned drilling vessel. Our assessment addresses the seafloor conditions within a 2,000-ft radius around the proposed wellsite locations.

## Available Data

The following discussion is based on the findings provided within the geohazard report “Geologic and Stratigraphic Assessment, Blocks 82, 126, and 127, Mississippi Canyon Area, Gulf of Mexico” (GEMS Project No. 0413-2235) submitted to Plains Exploration and Production Company (PXP) in September 2013. The text, maps, and figures included in the report provide detail on the regional geology of the Study Area. PXP provided an exploration 3-D seismic time volume for the geohazard analysis, covering an approximate 135.5 square-mile "Survey Area" that

includes all or portions of Federal lease Blocks MC 37-39, 81-84, 125-128, and 169-172 (Figure 1). Sub-seafloor mapping was limited to an approximate 27 square-mile "Study Area" covering all of GC 82, 126, and 127. PXP also provided high-resolution geophysical data collected by C & C Technologies, Inc., (C & C) in May and June 2013 using an Autonomous Underwater Vehicle (AUV) over the three-block Study Area (Figure 1). These data included 1.5-4.5 kHz subbottom profiler, 230-kHz side-scan sonar, and 3-meter bin multibeam bathymetry data.

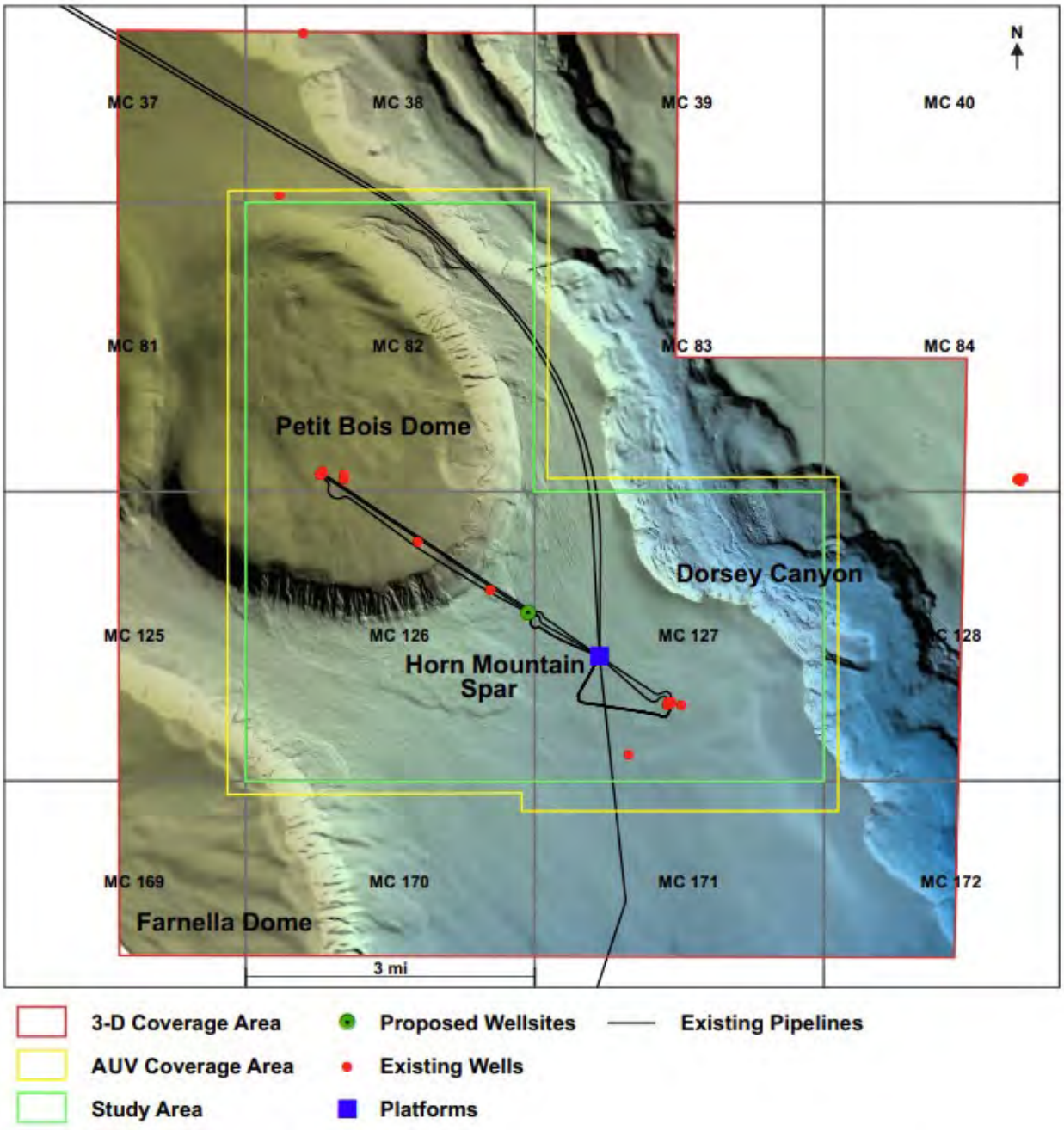


**Figure 1. Seafloor Rendering of the Mississippi Canyon Study Area Showing the Location of the Proposed Wellsites.**

## Attachments

Wellsite maps are centered on the proposed primary wellsite location and are displayed at a 1 inch = 1,000 ft scale (1:12,000). The maps included in this letter are as follows:

Map No. 1: Bathymetry Map

Map No. 2: Seafloor Features Map
Map No. 3: Side-Scan Sonar Mosaic
Map No. 4: Seafloor Amplitude
Map No. 5: Geologic Features Map

The accompanying illustrations were extracted from the available datasets and are listed below:

Illustration 1: Subbottom Profiler Line 135 Showing Near-Surface Conditions Near the Proposed Wellsites. Surface Locations in Mississippi Canyon Area, Block 126.
Illustration 2: Portions of Inline 6796 and Crossline 6762 Showing Conditions Beneath the Proposed Wellsites. Surface Locations in Mississippi Canyon Area, Block 126.
Illustration 3: Tophole Prognosis Chart, Proposed Wellsites, Mississippi Canyon Area, Block 126.

**NTL Requirements**

The following report complies with the Bureau of Ocean Energy Management (BOEM) guidelines including: NTL 2008-G04, NTL 2009-G40, and NTL 2022-G01 (MMS, 2008, 2010, BOEM, 2022) with respect to benthic community and shallow hazard assessments. An archeological assessment of the area of potential effect around the proposed surface locations was required as per NTL 2005-G07 and the Pre-Seabed Disturbance Survey Mitigation (BOEM, 2020 and 2011). C & C prepared an archaeological assessment to comply with the Archaeological Resource Surveys and Reports requirements and submitted the report to PXP in August 2013 (C & C, 2013).

As specified in NTL 2022-G01 (BOEM, 2022), GEMS extracted the power spectrum diagram from the 3-D seismic dataset provided at the proposed wellsite (Figure 2). The extraction was generated within a 2,000-ft radius of the intersection of the inline and crossline at the proposed wellsite. The extraction time interval consisted of the seafloor to 1 second (~3,000 ft) bml. We converted the amplitude vs. frequency spectrum, generated by the IHS Kingdom software, to power vs. frequency by squaring the amplitude values as described by J. A. Coffeen, 1978. The frequency bandwidth at 50% power ranges from 28 Hz to 65 Hz.


**Figure 2. Power Spectrum Curve, Proposed Wellsite**

## Man-Made Features

The Proposed Wellsite is located in the Horn Mountain development area. Several wells have previously been drilled near the proposed MC 126 wellsite locations in MC 82, 126, and 127 (Figure 1; BOEM, 2024a). The nearest existing wells are the Anadarko #1 (G18194) and Anadarko #SS7 (G18194), approximately 2,422 ft and 7,182 ft respectively, northwest of the proposed wellsite. The Horn Mountain Spar platform is approximately 4,547 ft southeast of the proposed wellsite.

Multiple flowlines, production risers, and umbilicals are present in the immediate vicinity of the of the proposed wellsite, the nearest being within 5 ft. (Map 1). The Anadarko Riser (SN-20452 OUT), Anadarko Riser (SN-20451 OUT), and Anadarko Umbilical (SN-20453 ACT) originate at the Horn Mountain Spar platform and terminate near the proposed wellsite locations. The Anadarko flowline (SN-20429 OUT), Anadarko flowline (SN-20427 OUT), and Anadarko Umbilical (SN-20463 ACT) originate near the proposed wellsites and trend northwest to existing wells in MC 82 (Figure 1).

## Archaeological Assessment

C & C conducted an archaeological assessment covering MC 82, MC 126, and MC 127 (C & C, 2013). No sonar contacts were identified within 2,000 ft of the proposed locations (Maps 2, 3, and 5). No archaeological avoidances or known shipwrecks exist near the proposed sites. If any wood, ceramics, textiles or ferrous objects become exposed during the course of bottom disturbing operations, all activities must be halted and BOEM notified within 48 hours.

## Wellsite Conditions

The proposed locations are clear of any constraining geologic seafloor conditions as defined by the AUV and 3-D seismic datasets. Interbedded sand layers are likely below 526 ft bml, increasing in thickness with depth below 2,076 ft bml.

**Water Depth and Seafloor Conditions.**

The water depth at the proposed surface locations is -5,379 ft (Map 1). The seafloor slopes to the southeast at approximately 1°. The proposed wellsites are located southeast of Petit Bois Dome, an uplifted bathymetric high (Figure 1). The seafloor in the vicinity of the of the proposed surface location is hummocky due to a shallowly buried mass transport deposit (MTD); Map 2. An approximate 8 ft surficial drape of soft, high water content silty clays covers the seafloor at the proposed wellsites (Illustration 1).

The rugged escarpment forming the flank of Petit Bois Dome lies about 5,700 ft to the northwest. Although there is evidence of previous slope failure along the steeply sloping escarpment, major slope failure events are not expected at present time. Varying natural and anthropogenic processes can act to reduce stability, but the primary driver is sea level change and its relationship to sediment loading above salt. During present time, sea level is at a high stand and sedimentation rates are low; therefore, the slopes are considered relatively stable over the life of a well.

**Deepwater Benthic Communities.**

No features or areas were interpreted within 2,000 ft of the proposed locations that are capable of supporting high-density chemosynthetic or other deepwater benthic communities. The side-scan sonar mosaic and seafloor amplitude rendering indicates a homogenous seabed in the vicinity of the proposed locations, suggesting normal Gulf of Mexico surficial sediments (Maps 3 and 4). Additionally, there are no BOEM seabed anomalies located within 2,000 ft of the proposed location (BOEM, 2024b).

**Stratigraphy.**

The stratigraphy at the proposed well locations is depicted on Illustrations 1 through 3. The Tophole Prognosis Chart (Illustration 3) shows the inline, annotated with depths to the various horizons and predicted lithology of the sequences, along with their potential for shallow gas and shallow water flow. The seafloor and six horizons (Horizons 10, 20, 30, 35, 40, and 50) were mapped within the Study Area to define seven primary sedimentary sequences.

The subbottom profiler data define the upper approximate 177 ft of section beneath the mudline around the proposed wellsites (Illustration 1). The uppermost ~8 ft of sediment at the well is a hemipelagic drape consisting of

layered, soft, high water content clays. Beneath the drape is a mud-prone MTD (approximately 27 ft thick) and a thick sequence of well-layered hemipelagic clays and turbidites comprised of clays, silty clays, and silts (Illustration 1). The sediments within the MTDs are likely clay-rich but generally will have higher bulk densities and lower water contents compared to layered hemipelagic deposits. The remaining portion of Unit 1 (to 284 ft bml), as defined by the 3-D seismic data, is characterized by layered clays, silty clays, and silts likely interbedded with very thin mud-prone MTDs (Illustrations 2 and 3). The sedimentary section between Horizons 10 and 20 (Unit 2, 284 ft to 526 ft bml) consists of predominately somewhat discontinuous and hummocky low-amplitude reflectors representative of hemipelagic clays and silty clays interbedded with muddy turbidites.

The stratigraphic unit between Horizon 20 and Horizon 30 (Unit 3, 526 ft to 1,370 ft bml) at the proposed locations generally consists of predominantly bedded hemipelagic clays, thin sands, and fine-grained turbidites interbedded with an approximate 110 ft thick clay-prone mass transport deposit (from approximately 800 ft and 910 ft bml). Well logs from the MC 127 #1 and #2 wells indicate a generally clay-prone shallow section with interbedded thin sand layers below Horizon 20 (526 ft bml).

Unit 4 between Horizon 30 to Horizon 35 (1,370 ft to 1,837 ft bml) is comprised of MTDs containing clays, silts, and possible discontinuous sands from 1,370 ft to 1,465 ft bml. Likely hemipelagic clays and clay prone turbidites occur from 1,465 ft to 1,837 ft bml. Unit 5 between Horizon 35 to Horizon 40 (1,837 ft to 2,076 ft bml) contains thin sands are likely in the upper portion of the unit. Turbidites which grade into MTDS occur in the lower portion of the unit.

Well logs from MC 127 #1 and #2 wells indicate sands are likely to increase in thickness below Horizon 40 (2,076 ft bml) at the proposed wellsites. Units 6 and 7, between Horizon 40 the Limit of Investigation (2,076 ft to 5,100 ft bml) consist of a relatively thick section of discontinuous and chaotic reflectors to regularly stratified consistent reflectors representative of discontinuous sands likely deposited as MTDs in a slope-fan-channel complex and regular deposition of clastic sediments.

**Faults.**

No seafloor faults will be penetrated by the proposed wellsites (Illustrations 1 through 3). Buried faults are located southwest of the proposed wellsite, although the vertical wellbore is interpreted to not intersect a fault within the Limit of Investigation. There may be additional faults characterized by minor offsets below the resolution of the 3-D dataset. Engineers should be aware of the potential for lost circulation across fault planes.

**Gas Hydrates, Shallow Gas, and Shallow Water Flow.**

The likelihood of encountering massive hydrates in the tophole section is generally Negligible. Based on the assessment of the 3-D seismic data in the vicinity of the proposed wellsites, the potential for shallow gas is Negligible to Low-to-Moderate and the potential for shallow water flow is assessed as Negligible to Low.

*Gas Hydrates.* There is no seismic evidence of a Bottom Simulating Reflector (BSR) indicative of hydrates at and in the immediate vicinity of the planned well, although hydrates are known to exist in the absence of BSRs. Additionally, there is no evidence supporting active venting to the seafloor in the immediate vicinity of the proposed location. Given the absence of a BSR or indications of high-amplitude anomalies along the proposed borehole, we interpret a Negligible potential of encountering significant concentrated gas hydrates. While the presence of naturally occurring hydrates at the planned wellsite is unlikely based on the seismic data, it cannot be completely ruled out, and disseminated gas hydrates could be present in minor amounts. Consideration must be given to the potential for any release of gas at the wellhead to form hydrates in the absence of appropriate mitigation measures.

*Shallow Gas.* There are no acoustic wipe-out zones in the subbottom profiler data or anomalously high amplitudes directly below the proposed wellsites (Illustrations 1 to 3 and Map 5). A Negligible potential for accumulations of gas is assessed within Unit 1 (Seafloor to 284 ft bml); Illustration 3.

Negligible to Low potentials for shallow gas are assessed for a majority of the remaining stratigraphic sequence to the Limit of Investigation (5,100 ft bml); Illustration 3. There are no interpreted high-amplitude anomalies or other direct hydrocarbon indicators directly below or in the immediate vicinity of the proposed wellsite. Sand layers are possible within the shallow section, particularly below Horizon 20 (526 ft bml). The closest occurrence of a high amplitude anomaly is approximately 1,040 ft south-southwest of the proposed wellsite within the Horizon 50 to Limit of Investigation interval (Map 5). A minor interval within 200 ft of the proposed wellbore displays slightly

elevated amplitudes (trough over peak) and is present from approximately 3,882 ft to 3,889 ft bml. This interval is conservatively assessed with Low-to-Moderate potential for encountering shallow gas accumulation.

*Shallow Water Flow.* The potential for shallow water flow at the proposed well locations is considered Negligible to Low based on the lack of regionally extensive sand-prone complexes in the shallow section, the lack of reported water flow incidents from nearby existing wells, and offset well log data. A low potential for shallow water flow exists from 526 ft to 1,112 ft bml, 1,370 ft to 1,465 ft bml, 1,837 ft to 1,956 ft bml, and from 2,076 ft bml to the Limit of Investigation. Sand layers are possible within these intervals; however, any fluids encountered are not likely to be significantly overpressured. A Negligible potential for overpressured sands and shallow water flow are assessed for the remaining sediment intervals.

## Results

Numerous existing pipelines are present in the immediate vicinity of the proposed wellsite. No geologic seafloor hazards or constraints are defined by the available data at the proposed surface locations. No areas with the potential for deepwater benthic communities are identified within 2,000 ft of the proposed wellsites. Additionally, no sonar contacts were identified within 2,000 ft of the proposed wellsites. There is a Negligible to Low potential for encountering overpressured sands and potential shallow water flow within the Limit of Investigation. There is generally a Negligible to Low potential for shallow gas accumulations at the proposed locations; however, a conservative rating of Low-to-Moderate for potential shallow gas accumulations is present within mid-Unit 6 between 3,882 ft and 3,889 ft bml.

## Closing

We appreciate the opportunity to be of service to Anadarko and look forward to working with you on future projects.

Sincerely,

**GEOSCIENCE EARTH & MARINE SERVICES,**
**A Geosyntec Company**

Justin Tiffany, P.G. (TX), R.G. (MO)
Project Geologist

Daniel Lanier
Senior Principal

Erin Williams Janes
Principal

Attachments (5 Maps and 3 Illustrations)

Distribution:
Ms. Rachael Bennett, Anadarko Petroleum Corporation, Houston, TX

**REFERENCES**

Bureau of Ocean Energy Management (BOEM), 2011, Pre-Seabed Disturbance Survey Mitigation, Guidance for Compliance with Mitigation 3.20, Avoidance of Archaeological Resources, http://www.boem.gov/Environmental-Stewardship/Archaeology/Conditional-Archaeological-Mitigation-pdf.aspx, released by BOEMRE in March 2011.

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Minerals Management Service (MMS), 2010, Notice to lessees and operators of federal oil and gas leases in the outer continental shelf, Gulf of Mexico OCS region, deepwater benthic communities: U. S. Department of the Interior, Minerals Management Service, Gulf of Mexico, NTL 2009-G40. Effective Date January 27, 2010.

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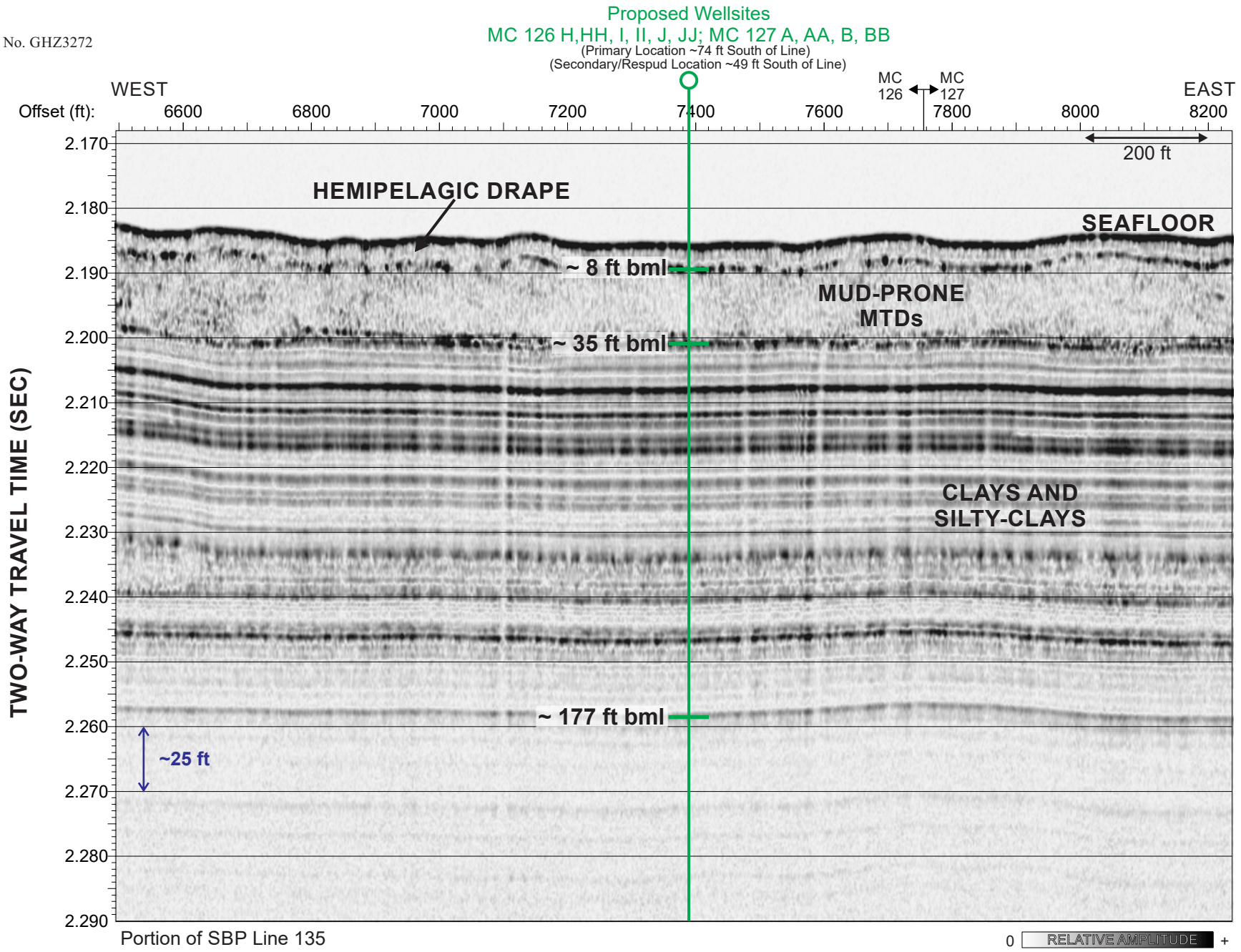


Illustration 1. Subbottom Profiler Line 135 Showing Near-Surface Conditions Near The Proposed Wellsites. Surface Locations in Mississippi Canyon Area, Block 126.

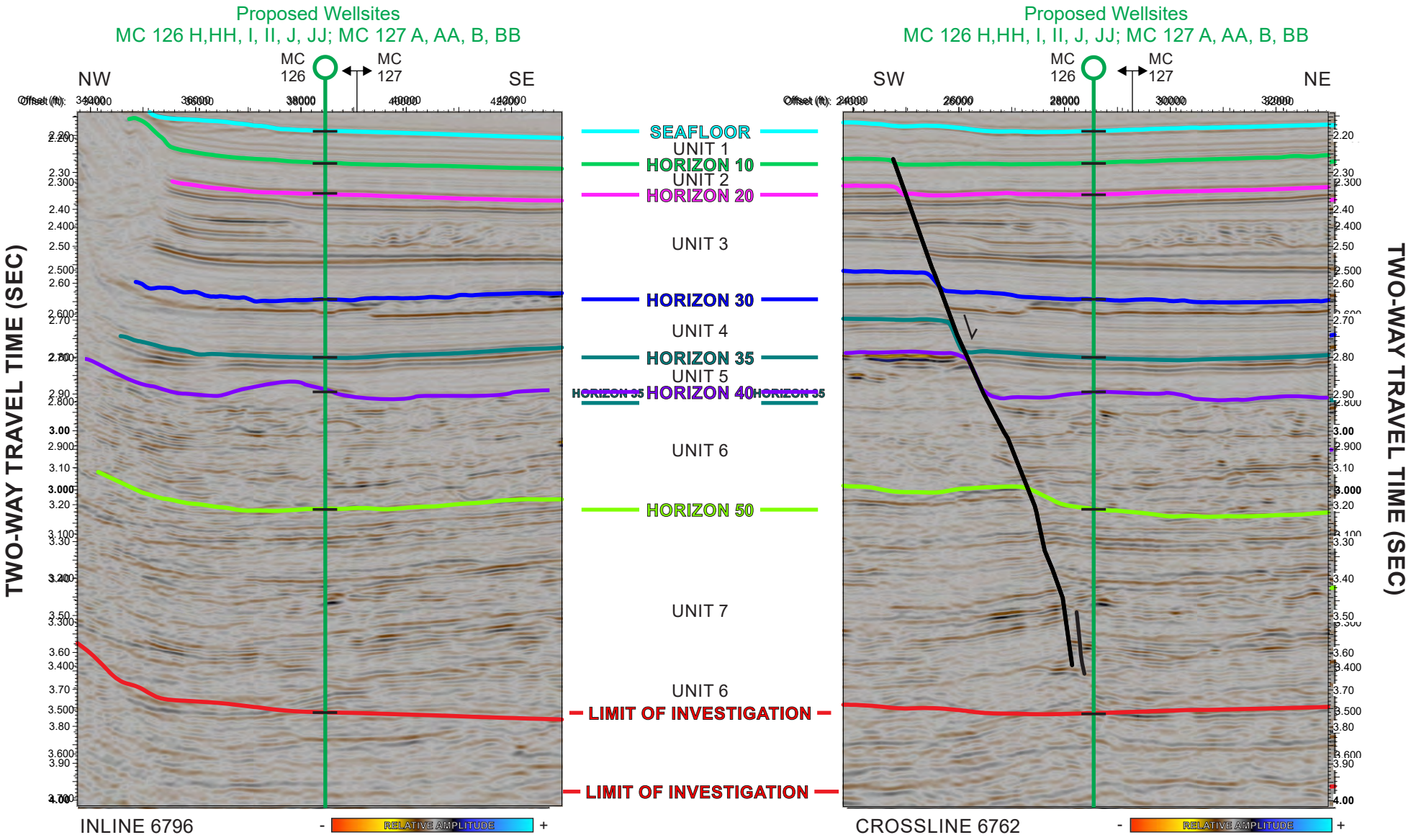


Illustration 2. Portions of Inline 6796 and Crossline 6762 Showing Conditions Beneath The Proposed Wellsites. Surface Locations in Mississippi Canyon Area, Block 126.

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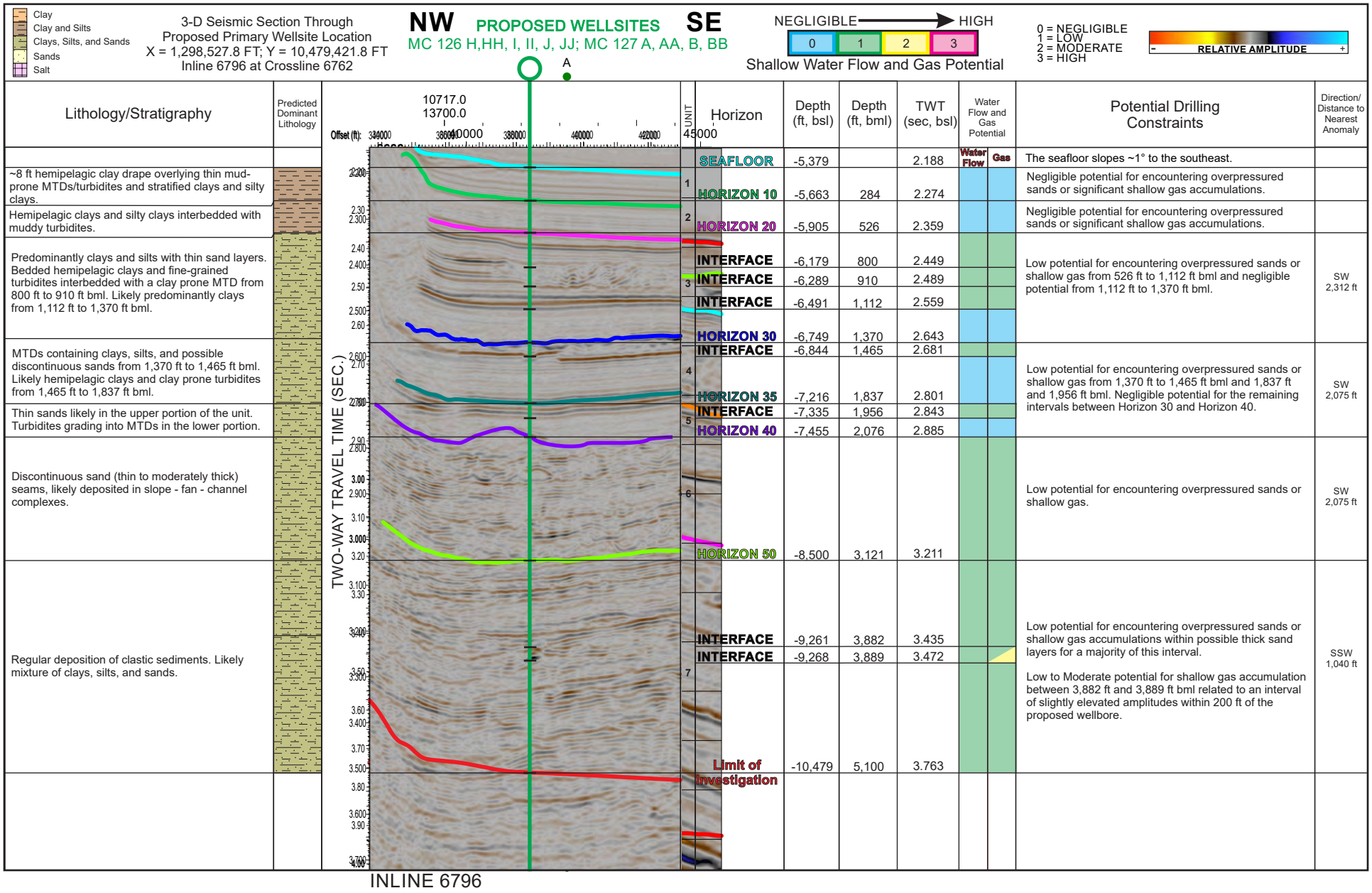
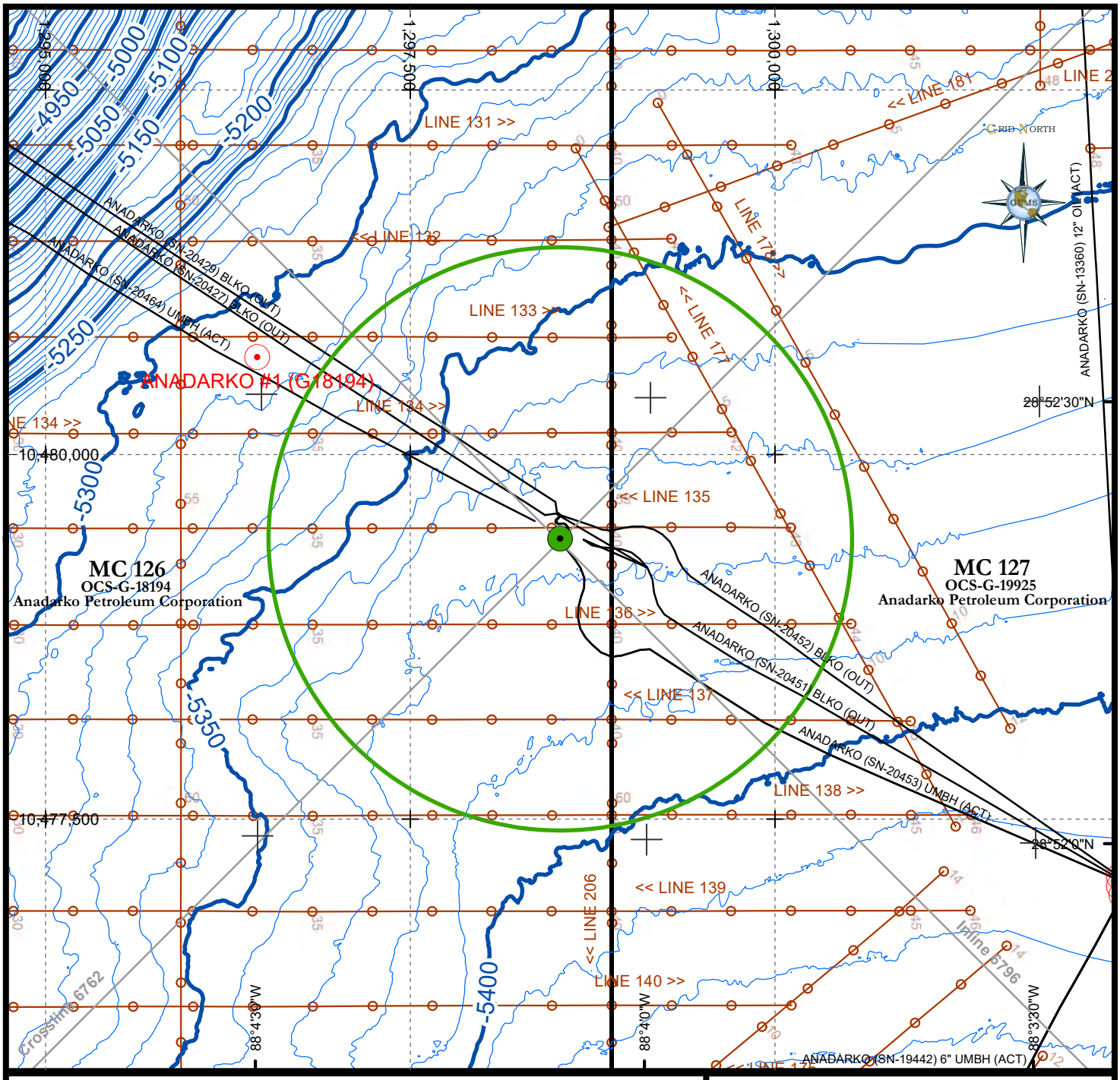



Illustration 3. Tophole Prognosis Chart, Proposed Wellsites, Mississippi Canyon Area, Block 126.




PROPOSED WELL LOCATIONS - MC 126 H, HH, I, II, J, JJ; MC 127 A, AA, B, BB.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITES.

3D SURVEY LINE.

C & C 2013 AUV SURVEY.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION, AS REPORTED BY BOEM

EXISTING WELL LOCATIONS AS REPORTED BY BOEM.

WATER DEPTH CONTOUR IN FEET.
CONTOUR INTERVAL = 10 FOOT.

**NOTE: BATHYMETRY CONTOURS GENERATED FROM MULTIBEAM BATHYMETRY DATA, SUPPLEMENTED IN AUV SURVEY GAPS WITH THE 3-D DATA SET.**

# ANADARKO PETROLEUM

# BATHYMETRY MAP

"HORN MOUNTAIN PROSPECT"

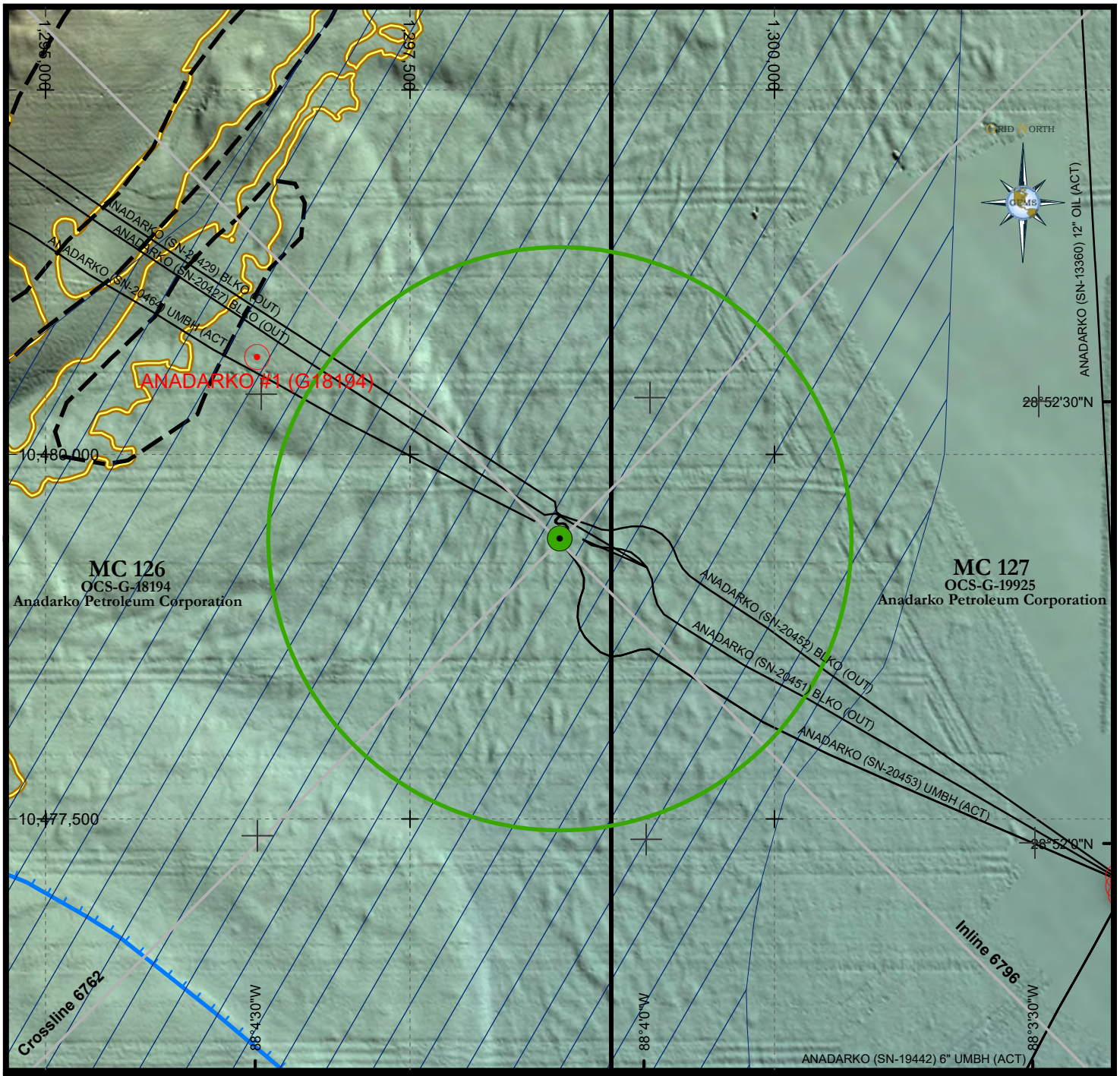
BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

DATE: 28 AUGUST 2024
FILE NAME: 3272_MC126_Wells_Bathy.mxd
PROJECT NO.: GHZ3272

MAP NO. 1




PROPOSED WELL LOCATIONS - MC 126 H, HH, I, II, J, JJ; MC 127 A, AA, B, BB.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITES.

3D SURVEY LINE.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION, AS REPORTED BY BOEM

EXISTING WELL LOCATIONS AS REPORTED BY BOEM.

AREAS OF POSITIVE ANOMALIES AS REPORTED BY BOEM.

AMPLITUDE ANOMALIES AT THE SEAFLOOR (FROM 3D SEISMIC).

SEAFLOOR EXPRESSION OF BURIED MASS TRANSPORT DEPOSIT.

SEAFLOOR EXPRESSION OF BURIED FAULT (TICKS INDICATE DIRECTION OF DIP).

RELATIVE WATER DEPTH

Shallow

Deep

*ALTITUDE = 40°*
*AZIMUTH = 45°*
*V.E. = 2X*

**NOTE: SEAFLOOR IMAGE GENERATED FROM MULTIBEAM BATHYMETRY DATA, SUPPLEMENTED IN AUV SURVEY GAPS WITH THE 3-D DATA SET.**

# ANADARKO PETROLEUM

# SEAFLOOR FEATURES MAP

"HORN MOUNTAIN PROSPECT"

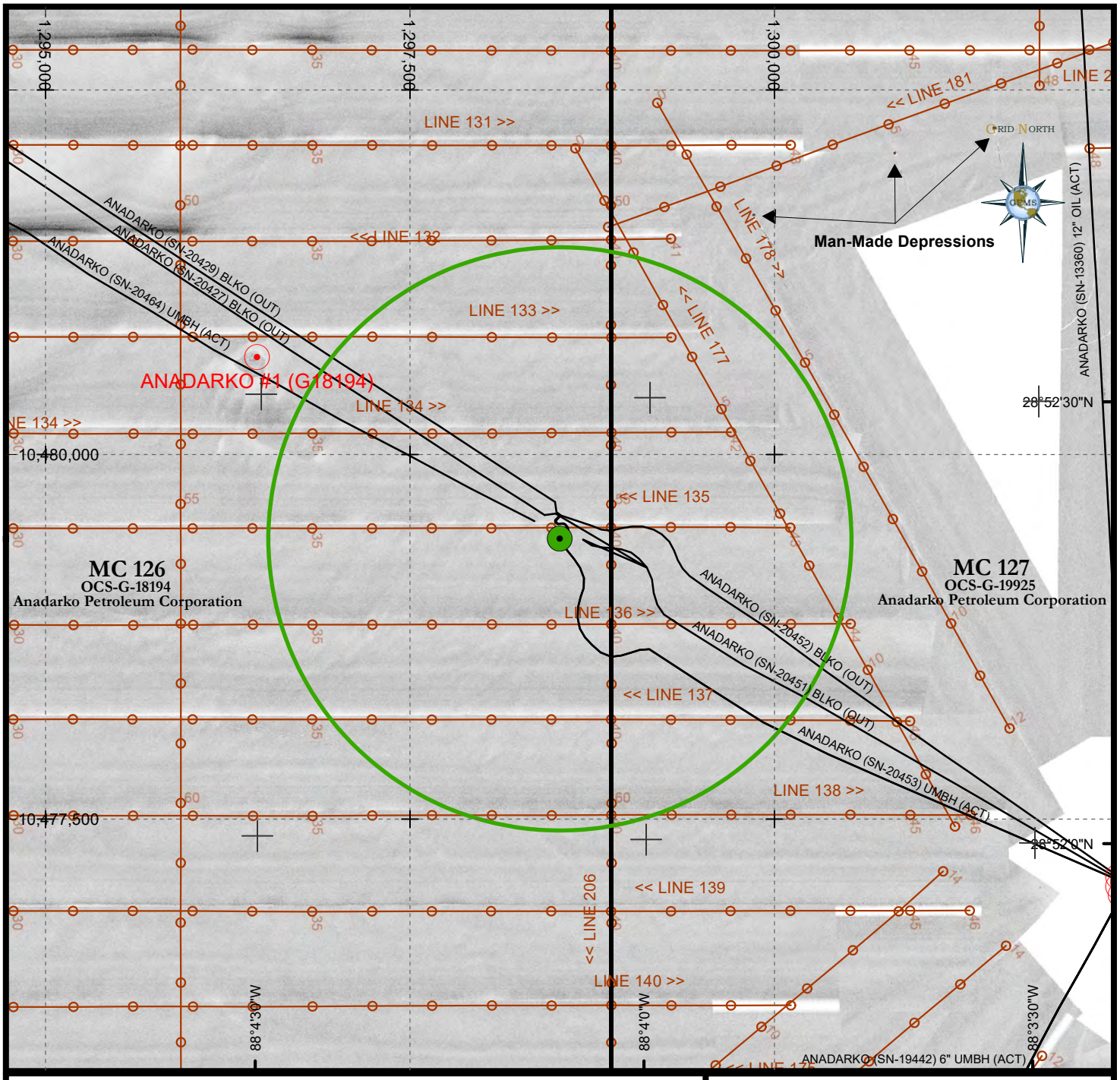
BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

DATE: 28 AUGUST 2024
FILE NAME: 3272_MC126_Wells_Feat.mxd
PROJECT NO.: GHZ3272

MAP NO. 2




PROPOSED WELL LOCATIONS - MC 126 H, HH, I, II, J, JJ; MC 127 A, AA, B, BB.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITES.

C & C 2013 AUV SURVEY.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION, AS REPORTED BY BOEM

EXISTING WELL LOCATIONS AS REPORTED BY BOEM.

SSS REFLECTIVITY

Low — High

NOTE: NO SIDE-SCAN SONAR CONTACTS ARE INTERPRETED WITHIN 4,000 FT RADIUS AROUND THE PROPOSED LOCATION (C & C, 2013).

# ANADARKO PETROLEUM

# SIDE-SCAN SONAR MOSAIC

"HORN MOUNTAIN PROSPECT"

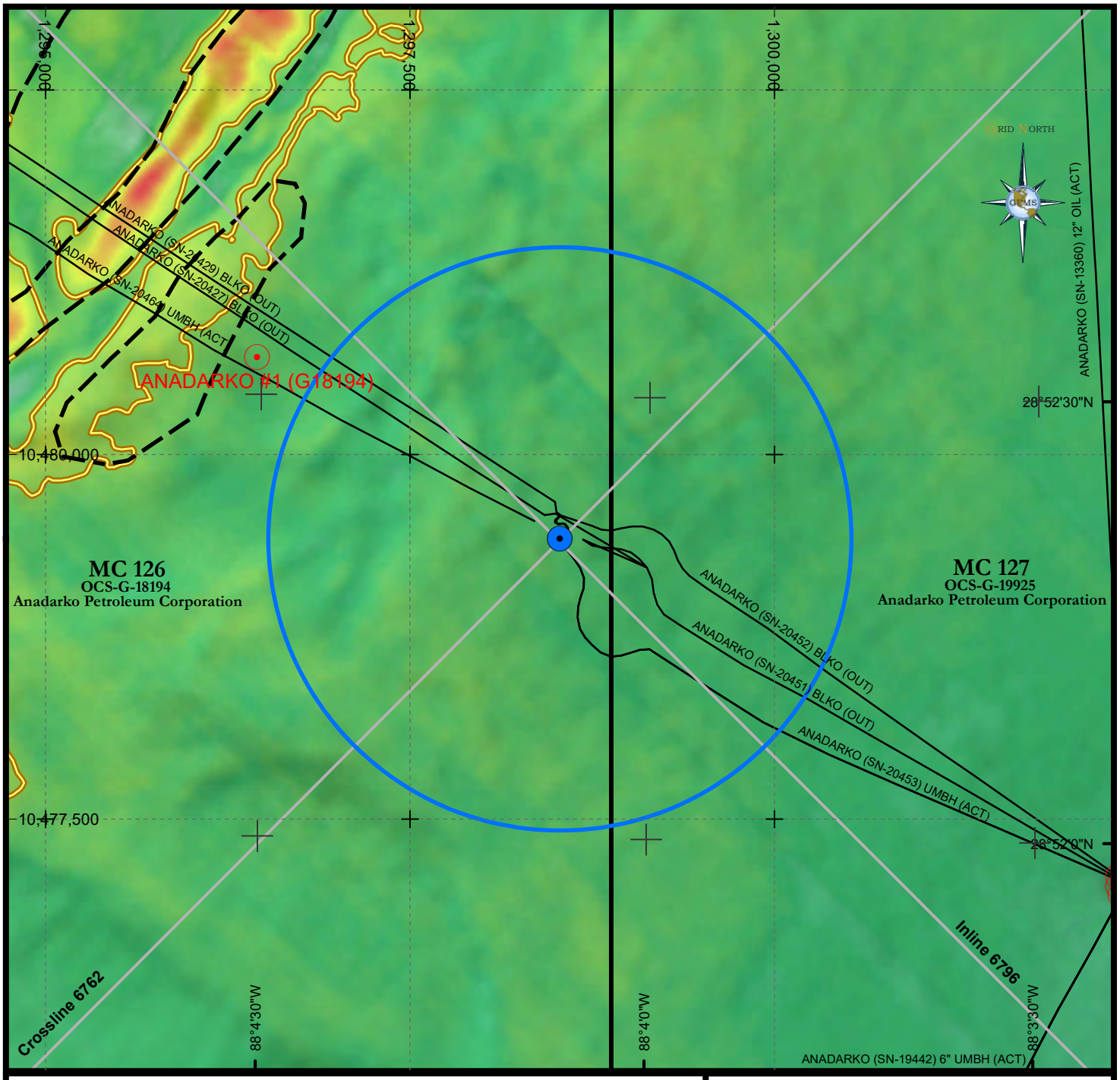
BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC. (GEMS)
A Geosyntec Company

DATE: 28 AUGUST 2024
FILE NAME: 3272_MC126_Wells_Mos.mxd
PROJECT NO.: GHZ3272

MAP NO. 3




PROPOSED WELL LOCATIONS - MC 126 H, HH, I, II, J, JJ; MC 127 A, AA, B, BB.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITES.

3D SURVEY LINE.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION, AS REPORTED BY BOEM

EXISTING WELL LOCATIONS AS REPORTED BY BOEM.

AREAS OF POSITIVE ANOMALIES AS REPORTED BY BOEM.

AMPLITUDE ANOMALIES AT THE SEAFLOOR (FROM 3D SEISMIC).

RELATIVE SEAFLOOR AMPLITUDE

High

Low

**NOTE: SEAFLOOR AMPLITDUE IMAGE GENERATED FROM 3D DATA SET.**

# ANADARKO PETROLEUM

# SEAFLOOR AMPLITDUE

"HORN MOUNTAIN PROSPECT"

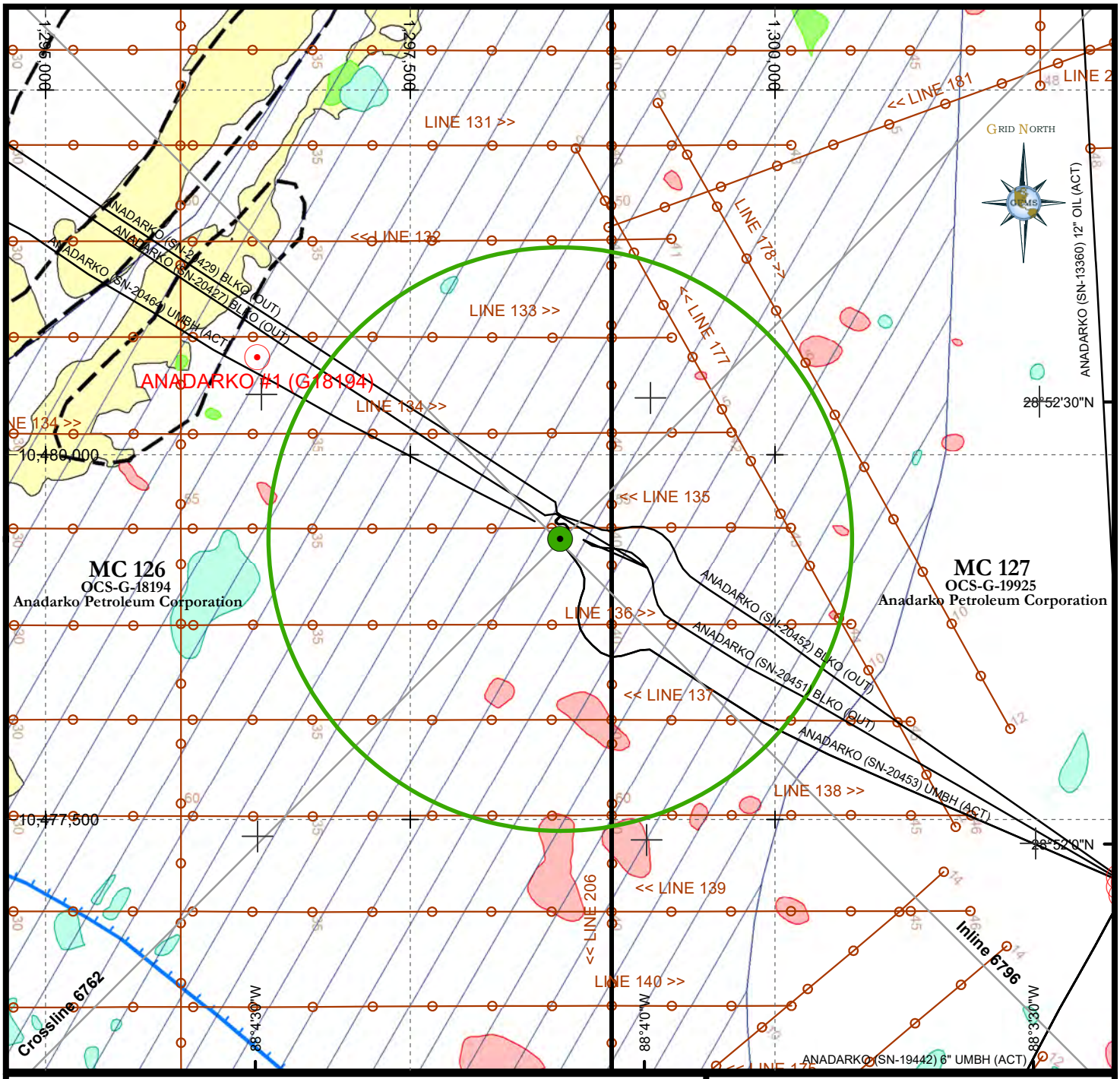
BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

0 500 1,000 2,000 Feet

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

DATE: 28 AUGUST 2024
FILE NAME: 3272_MC126_Wells_SFAmp.mxd
PROJECT NO.: GHZ3272

MAP NO. 4




PROPOSED WELL LOCATIONS -
MC 126 H, HH, I, II, J, JJ; MC 127 A, AA, B, BB.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITES.

3D SURVEY LINE.

C & C 2013 AUV SURVEY.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION, AS REPORTED BY BOEM

EXISTING WELL LOCATIONS AS REPORTED BY BOEM.

AREAS OF POSITIVE ANOMALIES AS REPORTED BY BOEM.

AMPLITUDE ANOMALIES AT THE SEAFLOOR (FROM 3D SEISMIC).

SEAFLOOR EXPRESSION OF BURIED MASS TRANSPORT DEPOSIT.

SEAFLOOR EXPRESSION OF BURIED FAULT (TICKS INDICATE DIRECTION OF DIP).

**SUBSURFACE AMPILTUDE ANOMALIES**

AMPLITUDE ANOMALIES BETWEEN HORIZONS 20 AND 30

AMPLITUDE ANOMALIES BETWEEN HORIZONS 30 AND 50

AMPLITUDE ANOMALIES BELOW HORIZONS 50

# ANADARKO PETROLEUM

# GEOLOGIC FEATURES MAP

"HORN MOUNTAIN PROSPECT"

BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF MEXICO

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

DATE: 28 AUGUST 2024
FILE NAME: 3272_MC126_Wells_Geol.mxd
PROJECT NO.: GHZ3272

MAP NO. 5

10344 Sam Houston Park Dr.
Houston, Texas 77064
713.351.7900 [o]  713.351.7996 [f]
www.gemsinc.com

January 20, 2015

Project No. 0116-2598

Freeport-McMoRan Oil & Gas
400 East Kaliste Saloom Road
Suite 1100
Lafayette, LA 70508

Attention: Mr. Michael Quinn

# Site Clearance Letter for Proposed Wellsite Location CC (Approved - Proposed Wellsite Location A) Block 127 (OCS-G-19925) Mississippi Canyon Area Gulf of Mexico

Freeport-McMoRan Oil & Gas (FMI) contracted Geoscience Earth & Marine Services (GEMS) to provide an assessment of the seafloor and shallow geologic conditions to determine the favorability of drilling operations for the Proposed Wellsite Location CC in Block 127 (OCS G-19925), Mississippi Canyon Area, Gulf of Mexico. This letter addresses specific seafloor and subsurface conditions around the proposed location to the limit of investigation, a depth of about 5,112 ft below the mudline (bml).

Surface conditions appear clear of any constraining geologic conditions at the proposed wellsite based on the available geophysical data. Logs from offset wells show intermittent sand layers within the upper 5,112 ft of sediment. Generally there is a negligible to low potential for encountering shallow gas or shallow water flow. However, caution is recommended when drilling through a potential sand-prone sequence between 1,127 ft and 1,248 ft with respect to the potential for shallow gas.

This letter provides details specific to the well location, including: available data, Notice to Lessees (NTL) requirements, man-made features, and wellsite conditions.

## Proposed Well Location

The surface location for the Proposed Wellsite Location CC lies in the south-central portion of MC 127. FMI provided the following coordinates:

**Table 1. Proposed MC 127-CC Location Coordinates**

| Proposed Wellsite Location CC | | | |
|---|---|---|---|
| **Spheroid & Datum: Clarke 1866, NAD27 Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 127)** |
| X: 1,306,387 ft | Latitude: 28º 51’ 32.9126” N | Inline 6848 | 7,507 ft FWL |
| Y: 10,474,560 ft | Longitude: 88º 02’ 37.8221” W | Crossline 6543 | 4,320 ft FSL |

The proposed MC 127-CC location lies approximately 68 ft northeast of the Proposed MC 127-A well. The shallow hazards assessment for the MC 127-A location is provided in the site clearance letter under GEMS Project No. 0413-2235.

**Table 2. Proposed MC 127-A Location Coordinates**

| Proposed Wellsite Location A | | | |
|---|---|---|---|
| **Spheroid & Datum: Clarke 1866, NAD27 Projection: UTM Zone 16 North** | | **Line Reference** | **Block Calls (MC 127)** |
| X: 1,306,355 ft | Latitude: 28º 51' 32.31568" N | Inline 6846 | 7,475 ft FWL |
| Y: 10,474,500 ft | Longitude: 88º 02' 38.17614" W | Crossline 6542 | 4,260 ft FSL |

FMI will drill the MC 127-CC well using a dynamically positioned drilling vessel. Our assessment addresses the seafloor conditions within a 2,000-ft radius around the proposed wellsite location.

## Available Data

The following discussion is based on the findings provided within the geohazard report "Geologic and Stratigraphic Assessment, Blocks 82, 126, and 127, Mississippi Canyon Area, Gulf of Mexico" (GEMS Project No. 0413-2235) submitted to Plains Exploration and Production Company (PXP) in September, 2013. The text, maps, and figures included in the report provide detail on the regional geology of the Study Area. PXP provided an exploration 3-D seismic time volume for the geohazard analysis, covering an approximate 136 square-mile "Survey Area" that includes all or portions of Federal lease Blocks MC 37-39, 81-84, 125-128, and 169-172 (Figure MC 127-CC-1). Sub-seafloor mapping was limited to an approximate 27 square-mile "Study Area" covering all of MC 82, 126, and 127. PXP also provided high-resolution geophysical data collected by C & C Technologies, Inc., (C & C) in May and June, 2013 using an AUV (Autonomous Underwater Vehicle) over the three-block Study Area (Figure MC 127-CC-1). These data included 1.5-4.5 kHz subbottom profiler, 230-kHz side-scan sonar, and 3-meter bin multibeam bathymetry data.

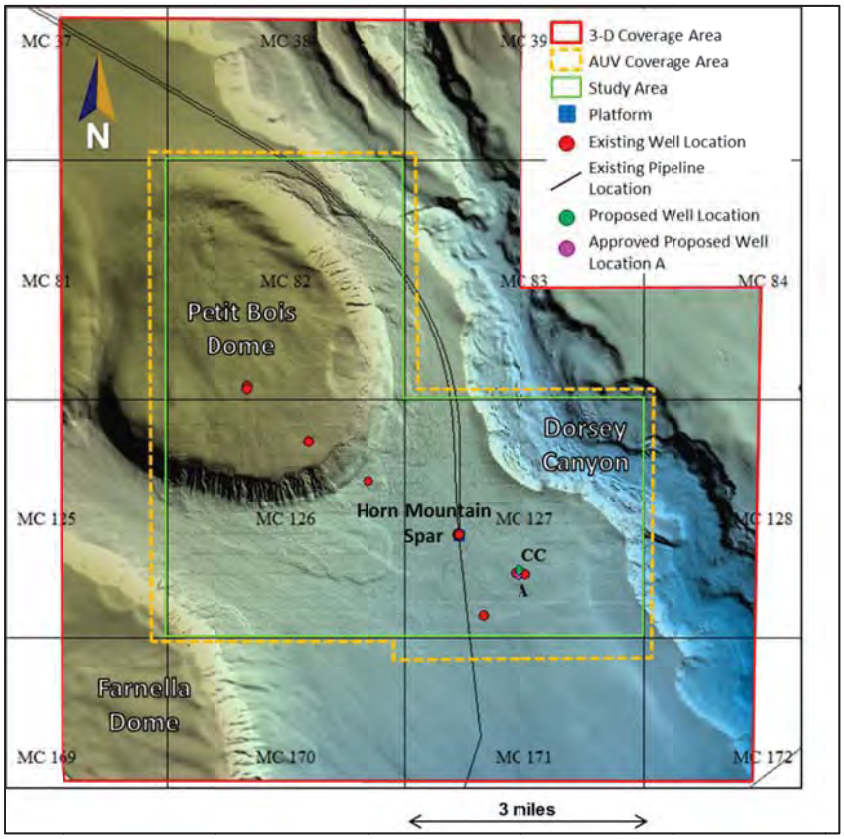



***Figure MC 127-CC-1:*** Seafloor Rendering of the Mississippi Canyon Survey Area.

## Attachments

Wellsite maps are centered on the Proposed Exploration Wellsite Location MC 127-CC and are displayed at a 1 inch = 1,000 ft scale (1:12,000). The maps included in this letter are as follows:

Map No. MC 127-CC-1: Bathymetry Map
Map No. MC 127-CC-2: Seafloor Features Map
Map No. MC 127-CC-3: Side-Scan Sonar Mosaic
Map No. MC 127-CC-4: Seafloor Amplitude Rendering
Map No. MC 127-CC-5: Geologic Features Map

The illustrations accompanying this letter were extracted from the available datasets and are listed below:

Illustration MC 127-CC-1: Subbottom Profiler Line Showing Near-Surface Conditions Near Proposed Wellsite MC 127-CC
Illustration MC 127-CC-2: Portions of Inline 6848 and Crossline 6543 Showing Conditions Beneath Proposed Wellsite Location MC 127-CC
Illustration MC 127-CC-3: Tophole Prognosis Chart, Proposed Wellsite Location MC 127-CC, Mississippi Canyon Area, Block 127
Illustration MC 127-CC-4: Correlation Between Proposed MC 127-CC and Existing Well

## NTL Requirements

The following report complies with the Bureau of Ocean Energy Management (BOEM) Notice to Lessees (NTL's) 2009-G40, 2008-G04, and 2008-G05 (MMS, 2010 and 2008a, b). The Federal lease Block MC 127 is considered archaeologically significant (NTL 2011-JOINT-G01, BOEM, 2011); therefore, requirements set forth in NTL 2005-G07 (MMS, 2005) are applicable in terms of high-probability for historic resources. C & C prepared an archaeological assessment to comply with the Archaeological Resource Surveys and Reports requirements. The report was submitted to PXP in August, 2013 (C & C, 2013).

As specified in NTL 2008-G05 (MMS, 2008b), GEMS extracted the power spectrum diagram from the 3-D seismic data cube provided by PXP at the proposed wellsite (Figure MC 127-CC-2). The extraction was generated within a 1,000 ft radius of the proposed wellsite to approximately one second below the mudline (bml). We converted the amplitude vs. frequency spectrum, generated by the SMT software, to power vs. frequency by squaring the amplitude values as described by J. A. Coffeen, 1978.

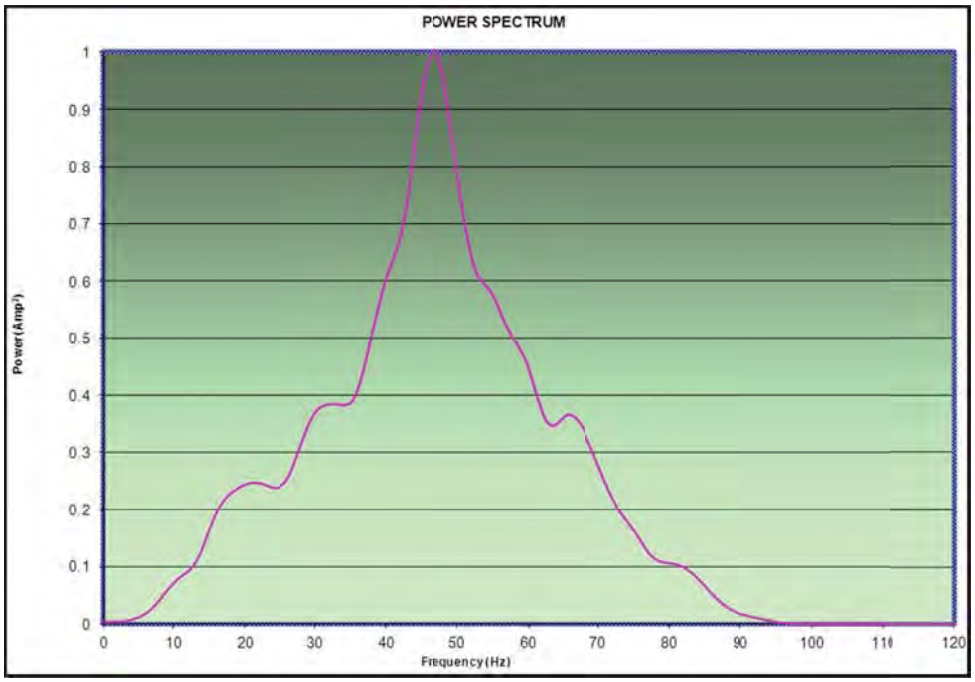



***Figure MC 127-CC-2.*** Power Spectrum Curve, Proposed Wellsite Location CC

## Man-Made Features

The Proposed Wellsite Location CC lies in the vicinity of the Horn Mountain development area (Figure MC 127-CC-1). Several wells have previously been drilled within 2,000 ft of the proposed wellsite in MC 127. The nearest well, Freeport-McMoRan's SS1 lies approximately 54 ft south of the proposed location. Freeport-McMoRan's SS2 and #2 wells lie approximately 192 ft southwest and 600 ft southeast of the proposed wellsite, respectfully. The Freeport-McMoRan's SS1 well is complete. The SS2 is temporarily abandoned and #2 well, drilled by PXP, is temporarily abandoned (BOEM, 2016).

FMI's truss spar, approximately 4,660 ft northwest of the proposed wellsite in west-central MC 127, serves as the production facility for the Horn Mountain development area (Figure MC 127-CC-1). Oil is exported from the spar to the north-northwest to Main Pass (MP) 289 through FMI's 12-inch pipeline. FMI's 10-inch gas pipeline trends parallel to the oil pipeline to VK 998 then extends north to northeast to MP 260. FMI's 2-inch service pipeline trends south from the Horn Mountain spar to MC 258, approximately 3,675 ft west of the proposed location (Maps MC 127-CC-1 through MC 127-CC-4).

The BOEM 2015 archaeological database lists no archaeological avoidances or known shipwrecks within the well's area of potential effect (APE). No unidentified side-scan sonar contacts lie within 2,000 ft of the APE (C & C, 2013). If any wood, ceramics, textiles or ferrous objects become exposed during the course of bottom disturbing operations, all activities must be halted and BOEM notified within 48 hours.

## Wellsite Conditions

The proposed location is clear of any constraining seafloor conditions as defined by the AUV and 3-D seismic datasets. Interbedded sand layers are likely below 517 ft bml, increasing in thickness with depth below 2,739 ft bml. A sand-prone interval will require attention during drilling operations with regard to shallow gas. The proposed wellbore will intersect one buried fault at about 3,125 ft bml.

### Water Depth and Seafloor Conditions

Seafloor conditions are favorable at the proposed wellsite location. MC 127-CC is situated along a gently-dipping seafloor approximately 1.3 miles west of Dorsey Canyon and 2.6 miles southeast of Petit Bois Dome (Figure MC 127-CC-1). Overall, the seabed is relatively smooth at the proposed location

(Maps MC 127-CC-1 and MC 127-CC-2, Illustration MC 127-CC-1). The water depth at the proposed surface location is -5,466 ft (Map MC 127-CC-1). The seafloor slopes to the southeast at 0.7°.

## Deepwater Benthic Communities

No features or areas were interpreted within 2,000 ft of the proposed location that are capable of supporting high-density chemosynthetic or other deepwater benthic communities. The side-scan sonar mosaic indicates a homogenous seabed in the vicinity of the proposed location suggesting normal Gulf of Mexico surficial sediments (Map MC 127-CC-3).

## Stratigraphy

Stratigraphic conditions are shown on Illustrations MC 127-CC-1 through MC 127-CC-4. The surficial and shallowest units, seafloor to Horizon 20 (to about 517 ft bml), will likely consist of an approximate 6-ft very soft silty clay hemipelagic drape overlying stratified, normally consolidated hemipelagic clays, silty clays, and muddy turbidites (Illustrations MC 127-CC-1 through MC 127-CC-4).

The sedimentary section below Horizon 20 to the limit of investigation (5,112 ft bml) consists primarily of interbedded hemipelagic and pelagic clays, turbidites, and mass-transport complexes (Illustration MC 127-CC-3). Well logs from the nearby FMI's MC 127 #1 and #2 wells indicate a generally clay-prone shallow section with interbedded thin sand layers typically below Horizon 20 (517 ft bml); Illustration MC 127-CC-4. Sands are likely to increase in thickness below Horizon 50 (2,739 ft bml) at the Proposed MC 127-CC location.

## Faults

No seafloor faults will be penetrated by the proposed wellsite (Illustrations MC 127-CC-1 through MC 127-CC-4). A vertical wellbore at the proposed location will intersect a buried fault at a depth of approximately 3,125 ft bml (-8,591 ft bsl), Illustration MC 127-CC-3 The buried fault generally trends east-west and is downthrown to the north (Map MC 127-CC-5). Engineers should be aware of the potential for lost circulation across the fault plane.

## Shallow Gas and Shallow Water Flow

The potential for shallow gas at the wellsite varied from negligible to moderate. The potential for shallow water flow (SWF) at the proposed wellsite varies from negligible to low (Illustration MC 127-CC-3). Well logs from nearby well FM #2 show evidence of possible gas (1,127 to 1,248 ft bml); however, FMI reported no incidents were encountered in the shallow section while drilling the closest wells, FM SS1 and FM SS2 (Michael Quinn, personal communication).

***Shallow Gas.*** The proposed well path will not penetrate any high-amplitude events from the seafloor to the limit of investigation (about 5,112 ft bml), Map MC 127-CC-4. Amplitude anomalies within 400 ft of the proposed location are identified along a continuous moderate-amplitude reflector and likely represents lithologic variation in the section rather than significant gas accumulation. However, a moderate potential for shallow gas is assessed for the sedimentary section between 1,127 ft and 1,248 ft bml (Illustration MC 127-CC-3). A narrow area trending north-south, possibly within a channel, contains elevated amplitudes and disturbed reflectors in the upper portion of the Horizon 30 to 35 unit approximately 480 ft southeast of the proposed location (Illustration MC 127-CC-2). High-amplitude anomalies mapped along this trend are represented on the Geologic Features Map (Map MC 127-CC-5) as blue polygons. Resistivity logs from the FMI's MC 127 #2 well show an indication of possible gas associated with sand layers in the Horizon 30 to 35 unit between -6,545 ft and -6,611 ft bsl (Illustration MC 127-CC-4). The possibility of gas associated with thin sand layers cannot be ruled out between 1,127 ft and 1,248 ft bml at the proposed location.

A low potential for encountering shallow gas exists from 1,248 ft to 1,503 ft bml and below 1,702 ft bml to the limit of investigation (Illustration MC 127-CC-3). Minor amounts of shallow gas may be encountered within isolated sands. There is a negligible potential for encountering shallow gas within the upper 1,127 ft bml (seafloor to Horizon 30 interval) and from 1,503 ft to 1,702 ft bml at the proposed wellsite.

***Shallow Water Flow.*** The potential for shallow water flow at this well location is considered negligible to low based on the lack of regionally extensive sand-prone complexes in the shallow section, the lack of reported water flow incidents from the nearby existing wells, and offset well log data. A low potential for shallow water flow exists from 642 ft to 1,248 ft bml and below 1,702 ft bml to the limit of investigation (5,112 ft bml). Sand layers are possible within these intervals; however, any fluids encountered are not likely to be significantly overpressured. A negligible potential for overpressured sands is assessed within the upper 642 ft of sediment and from 1,248 ft to 1,702 ft bml (Illustration MC 127-CC-3).

## Results

Numerous existing infrastructure including the Horn Mountain truss spar, wells, and pipelines lie within the vicinity of the proposed MC 127-CC location. The probability for encountering sand in the shallow section increases below 517 ft bml. There is a negligible to low potential for encountering overpressured sands within the limit of investigation. We advise using caution while drilling through the sand-prone interval from 1,127 ft and 1,248 ft bml with regard to the potential for shallow gas. Engineers should be aware of the potential for a loss of circulation across the buried fault at about 3,125 ft bml.

## Closing

We appreciate the opportunity to be of service to Freeport-McMoRan Oil & Gas and look forward to working with FMI on future projects.

Sincerely,

**GEOSCIENCE EARTH & MARINE SERVICES**

Bradley Mills
Geologist

Daniel Lanier
Director

Erin Williams Janes
Project Manager/Senior Geoscientist

Attachments (5 Maps and 4 Illustrations)

Distribution:
Mr. Michael Quinn, Freeport-McMoRan Oil & Gas (4 copies)

**REFERENCES**

BOEM (Bureau of Ocean Energy Management), 2011, Notice to lessees and operators (NTL) of federal oil and gas leases and pipeline right-of-way (ROW) holders on the outer continental shelf (OCS), Revisions to the list of OCS lease blocks requiring archaeological resource surveys and reports: U. S. Department of the Interior, Bureau of Ocean Energy Management, Bureau of Safety and Environmental Enforcement Gulf of Mexico Region (GOMR), NTL 2011-JOINT-G01. Effective Date December 29, 2011.

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Minerals Management Service, 2008a, Notice to lessees and operators of federal oil, gas, and sulphur leases and pipeline right-of-way holders in the outer continental shelf, Gulf of Mexico OCS region, information requirements for exploration plans and development operations coordination documents: U. S. Department of the Interior, Minerals Management Service, Gulf of Mexico, NTL 2008-G04.

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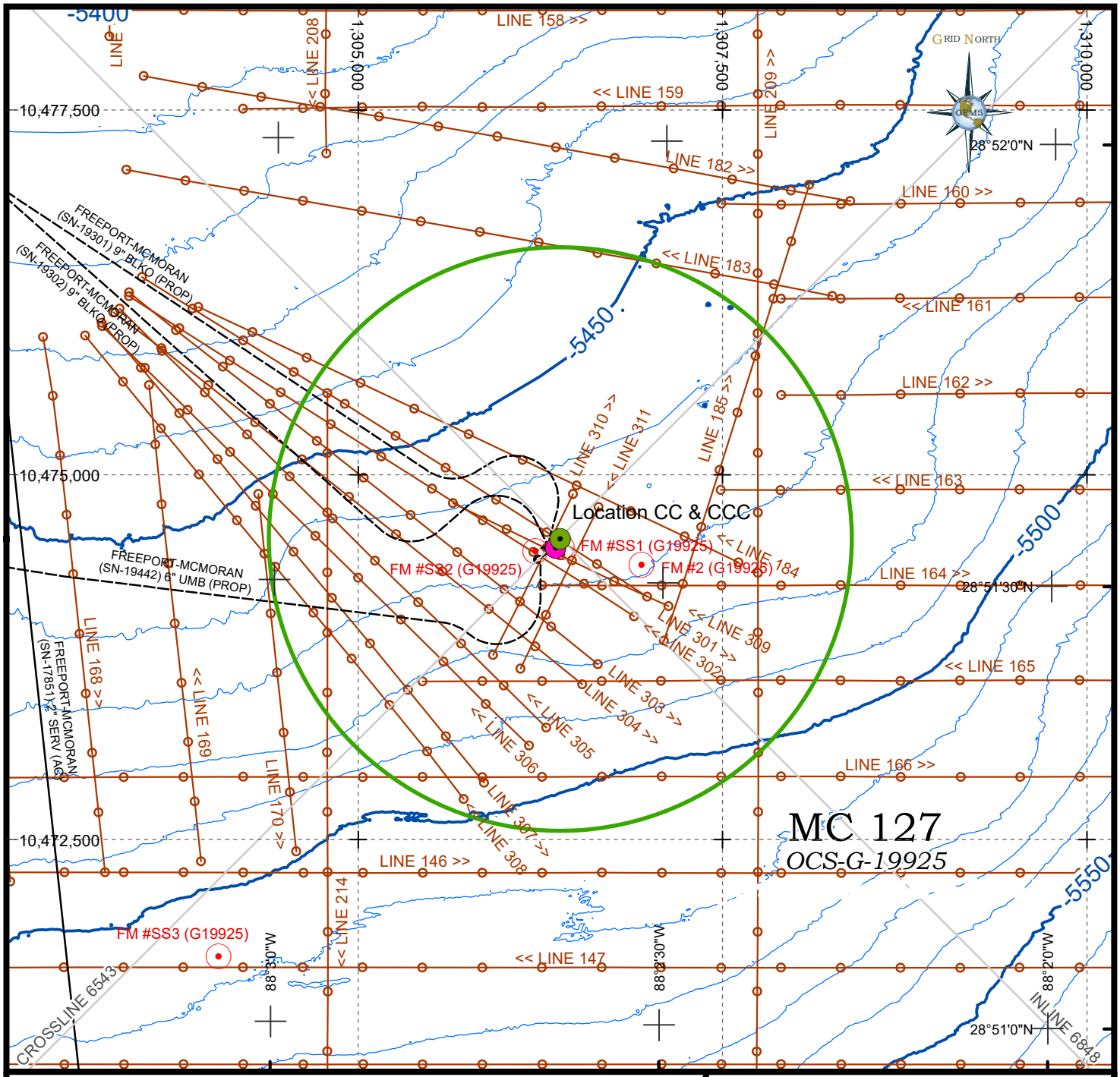
Minerals Management Service, 2010, Notice to lessees and operators of federal oil and gas leases in the outer continental shelf, Gulf of Mexico OCS region, deepwater benthic communities: U. S. Department of the Interior, Minerals Management Service, Gulf of Mexico, NTL 2009-G40. Effective Date January 27, 2010.




PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

PROPOSED A LOCATION (GEMS, 2013).

EXISTING WELL LOCATION, AS REPORTED BY BOEM.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

PROPOSED PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

3D SURVEY LINE.

C & C 2013 AUV SURVEY LINE AND FIXMARK.

WATER DEPTH CONTOUR IN FT, CONTOUR INTERVAL = 10 FT.

**NOTE: BATHYMETRY CONTOURS GENERATED FROM MULTIBEAM BATHYMETRY DATA, SUPPLEMENTED IN AUV SURVEY GAPS WITH THE 3-D DATA SET.**

Anadarko PETROLEUM CORPORATION

# BATHYMETRY MAP

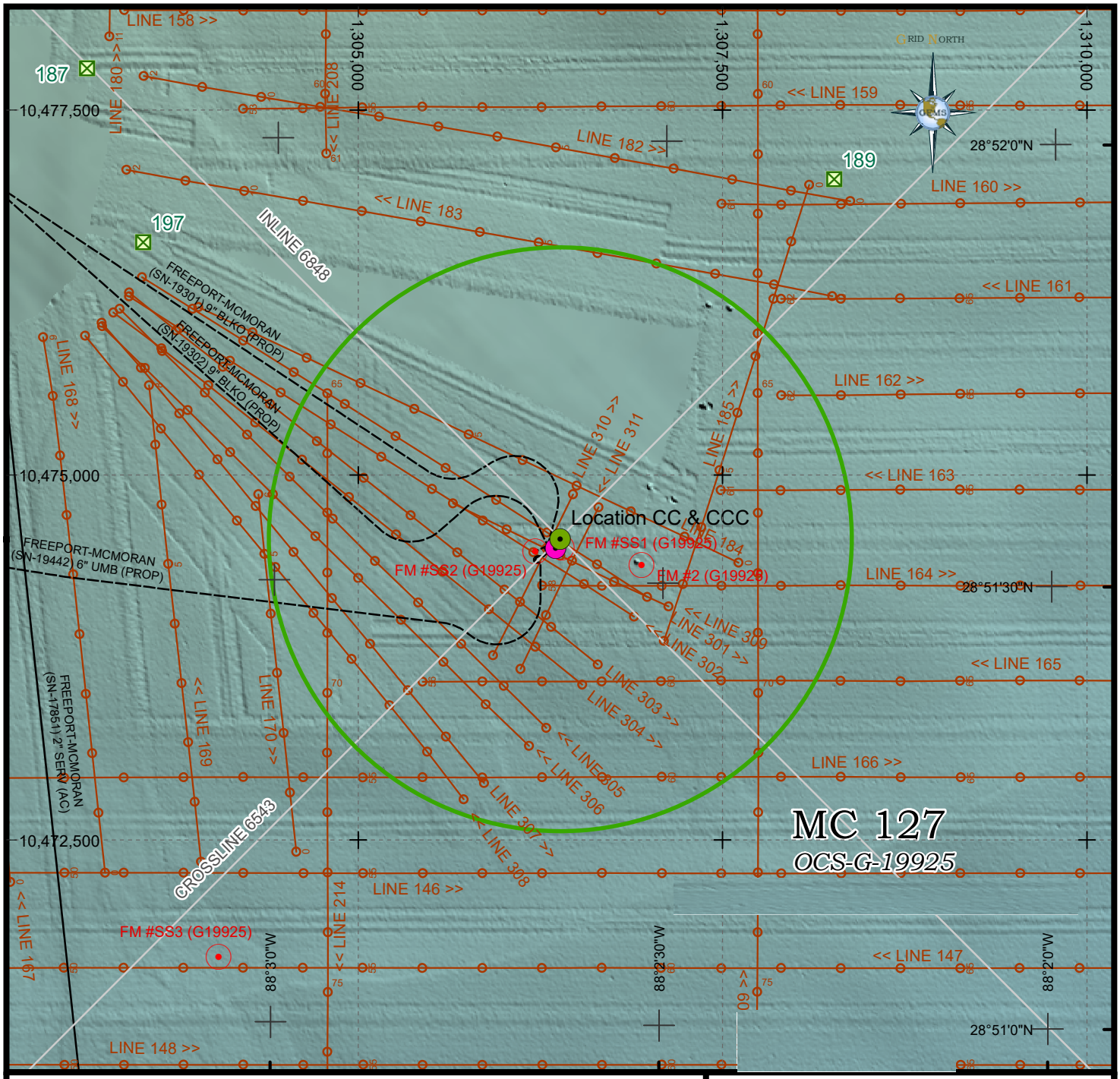
"HORN MOUNTAIN PROSPECT"

BLOCK 127
MISSISSIPPI CANYON AREA
GULF OF MEXICO

Feet
0 500 1,000 2,000

DATE: 21 JANUARY 2016
FILE NAME: 2598_MC127-CC-1_Bathy.mxd
PROJECT NO.:0116-2598

MAP NO. MC 127-CC-1




PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

PROPOSED A LOCATION (GEMS, 2013).

EXISTING WELL LOCATION, AS REPORTED BY BOEM.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

PROPOSED PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

3D SURVEY LINE.

SONAR CONTACTS (C&C 2013).

RELATIVE WATER DEPTH

Shallow

Deep

*ALTITUDE = 40°*
*AZIMUTH = 45°*
*V.E. = 2X*

**NOTE: SEAFLOOR IMAGE GENERATED FROM MULTIBEAM BATHYMETRY DATA, SUPPLEMENTED IN AUV SURVEY GAPS WITH THE 3-D DATA SET.**

Anadarko PETROLEUM CORPORATION

# SEAFLOOR FEATURES MAP

"HORN MOUNTAIN PROSPECT"

BLOCK 127
MISSISSIPPI CANYON AREA
GULF OF MEXICO

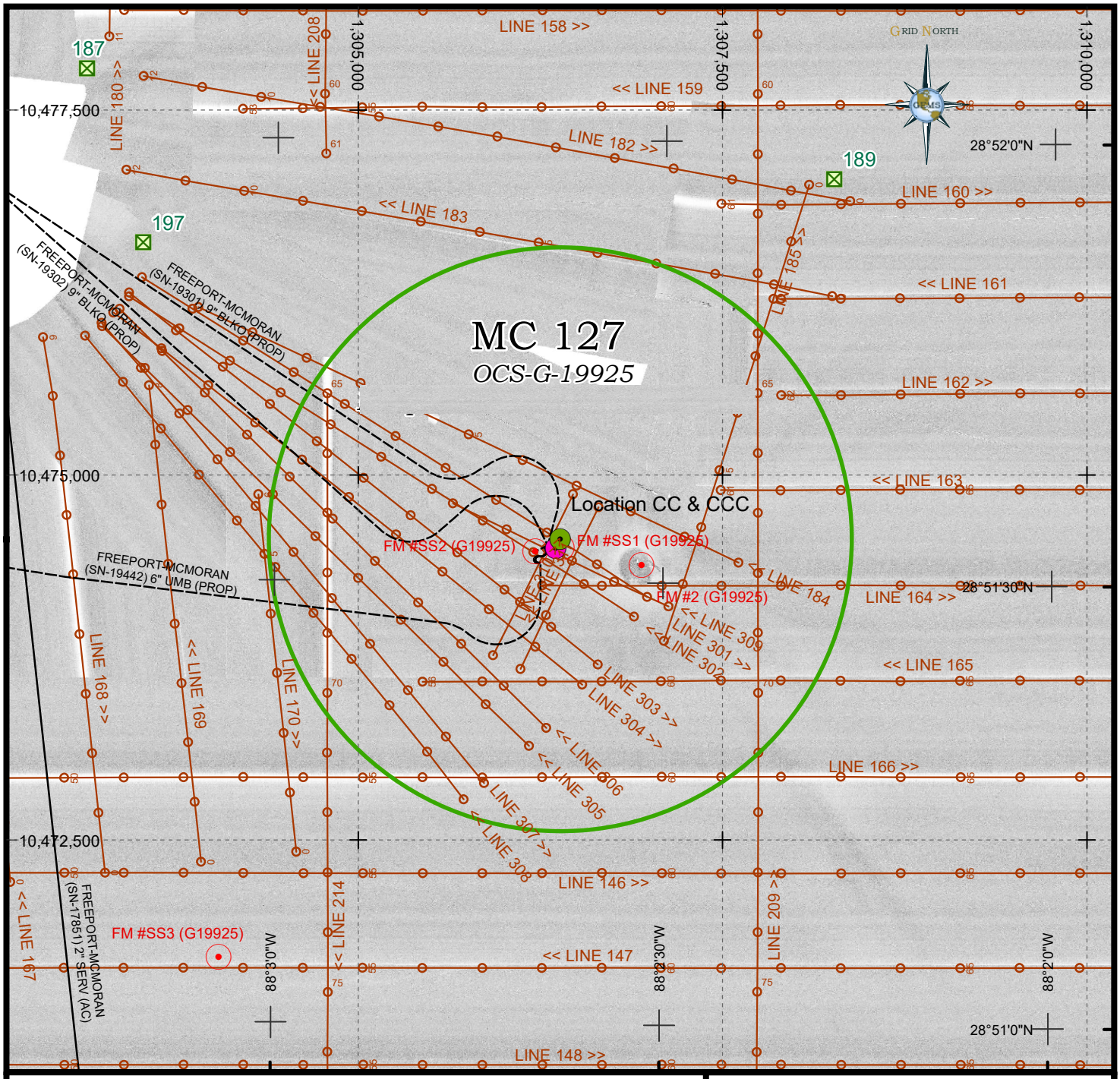
0 500 1,000 2,000 Feet

GEMS

FORUM ENERGY TECHNOLOGIES

DATE: 21 JANUARY 2016
FILE NAME: 2598_MC127-CC-2_SF_Feat.mxd
PROJECT NO.:0116-2598

MAP NO. MC 127-CC-2




PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

PROPOSED A LOCATION (GEMS, 2013).

SONAR CONTACTS (C&C 2013).

EXISTING WELL LOCATION, AS REPORTED BY BOEM.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

PROPOSED PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

C & C 2013 AUV SURVEY LINE AND FIXMARK.

**NOTE: NO SIDE-SCAN SONAR CONTACTS ARE INTERPRETED WITHIN 2,000 FT RADIUS AROUND THE PROPOSED LOCATION (C & C, 2013).**

Anadarko PETROLEUM CORPORATION

# SIDE-SCAN SONAR MOSAIC

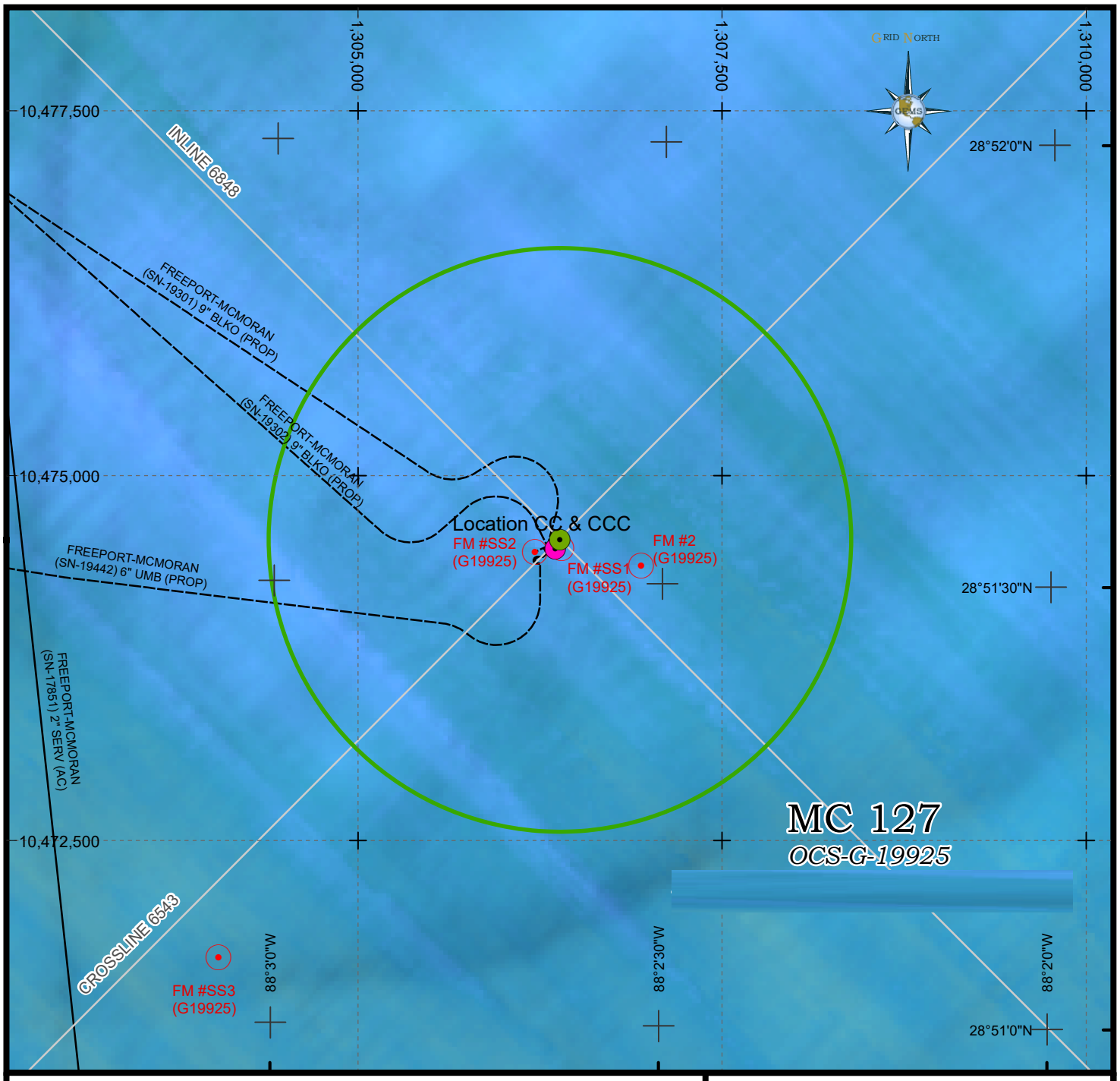
"HORN MOUNTAIN PROSPECT"

BLOCK 127
MISSISSIPPI CANYON AREA
GULF OF MEXICO

0 500 1,000 2,000 Feet

DATE: 21 JANUARY 2016
FILE NAME: 2598_MC127-CC-3_SSS.mxd
PROJECT NO.:0116-2598

MAP NO. MC 127-CC-3




PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

PROPOSED A LOCATION (GEMS, 2013).

EXISTING WELL LOCATION, AS REPORTED BY BOEM.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

PROPOSED PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

3D SURVEY LINE.

RELATIVE AMPLITUDE

High

Low

*ALTITUDE = 40°*
*AZIMUTH = 45°*
*V.E. = 2X*

Anadarko PETROLEUM CORPORATION

# SEAFLOOR AMPLITUDE RENDERING

"HORN MOUNTAIN PROSPECT"

BLOCK 127
MISSISSIPPI CANYON AREA
GULF OF MEXICO

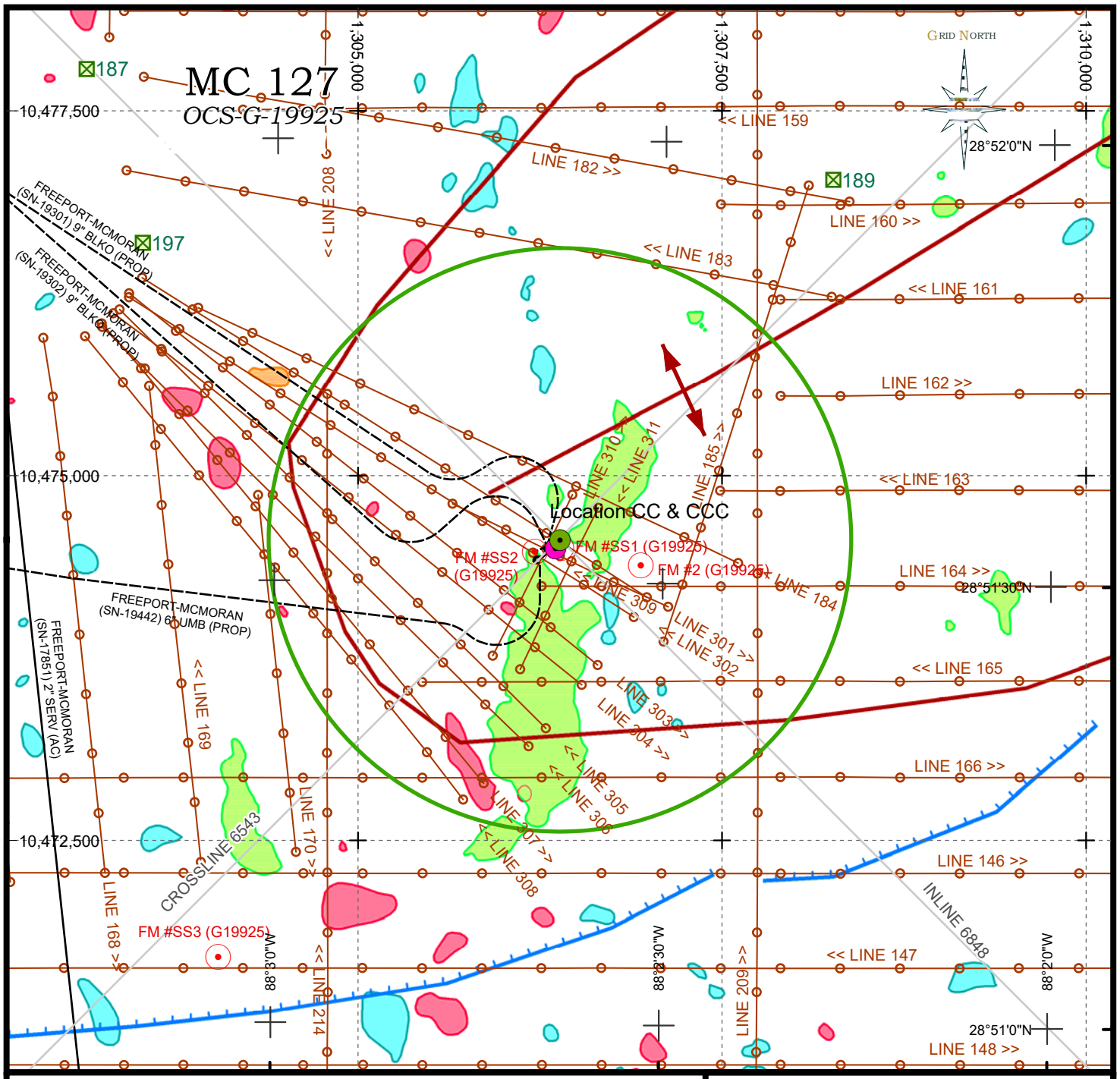
Feet
0 500 1,000 2,000

GEMS

FORUM ENERGY TECHNOLOGIES

DATE: 21 JANUARY 2016
FILE NAME: 2598_MC127-CC-4_SF_Amp.mxd
PROJECT NO.:0116-2598

MAP NO. MC 127- CC-4




PROPOSED WELL LOCATION.

CIRCLE REPRESENTS 2000 FT RADIUS AROUND PROPOSED WELLSITE.

PROPOSED A LOCATION (GEMS, 2013).

EXISTING WELL LOCATION, AS REPORTED BY BOEM.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

PROPOSED PIPELINE/UMBILICAL/CABLE LOCATION AS REPORTED BY BOEM.

3D SURVEY LINE.

C & C 2013 AUV SURVEY LINE AND FIXMARK.

SONAR CONTACTS (C&C 2013).

BURIED FAULT WITH SEAFLOOR EXPRESSION, TICKS INDICATE DOWNTHROWN SIDE OF THE FAULT.

ZONE OF CRESTAL FAULTING OVER DEEPLY BURIED ANTICLINE.

AMPLITUDE ANOMALIES BETWEEN HORIZON 20 AND HORIZON 30 (450 FT TO ~ 1070 FT BML).

AMPLITUDE ANOMALIES BETWEEN HORIZON 30 AND HORIZON 50 (1070 FT TO ~ 3530 FT BML).

AMPLITUDE ANOMALIES BETWEEN HORIZON 50 AND LIMIT OF INVESTIGATION (3530 FT TO ~ 4810 FT BML).

AMPLITUDE ANOMALIES BETWEEN SEAFLOOR AND LIMIT OF INVESTIGATION (0 FT TO ~ 4810 FT BML).

Anadarko PETROLEUM CORPORATION

# GEOLOGIC FEATURES MAP

"HORN MOUNTAIN PROSPECT"

BLOCK 127
MISSISSIPPI CANYON AREA
GULF OF MEXICO

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC.

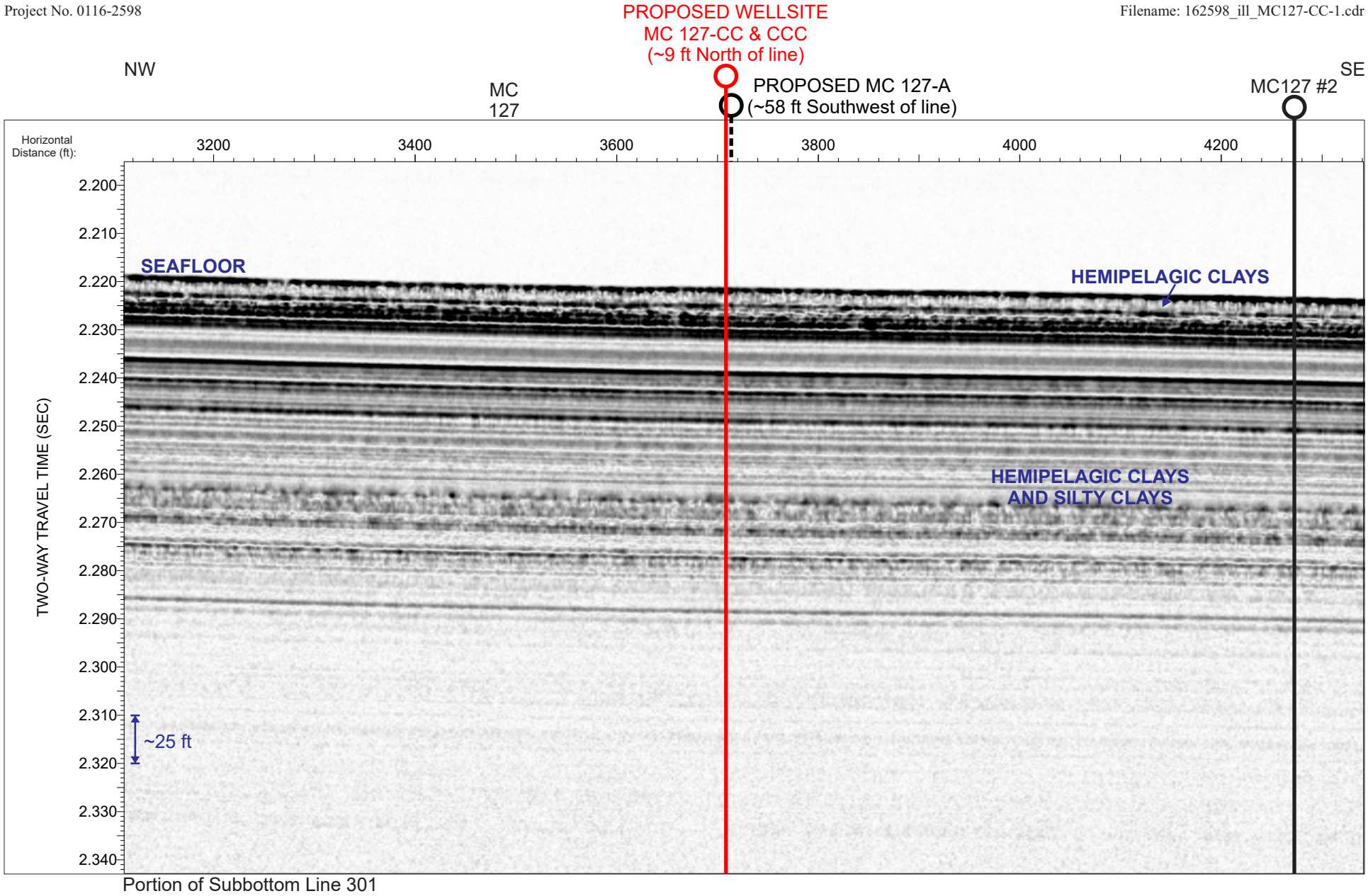
FUGRO ENERGY TECHNOLOGIES

DATE: 21 JANUARY 2016
FILE NAME: 2598_MC127-CC-5_Geol.mxd
PROJECT NO.:0116-2598

MAP NO. MC 127-CC-5

Project No. 0116-2598

Filename: 162598_ill_MC127-CC-1.cdr




Portion of Subbottom Line 301

Illustration MC 127-CC-1. Subbottom Profiler Line Showing Near-Surface Conditions Near Proposed Wellsite MC 127-CC

Project No. 0116-2598

Filename: 162598_ill_MC127-CC-2.cdr

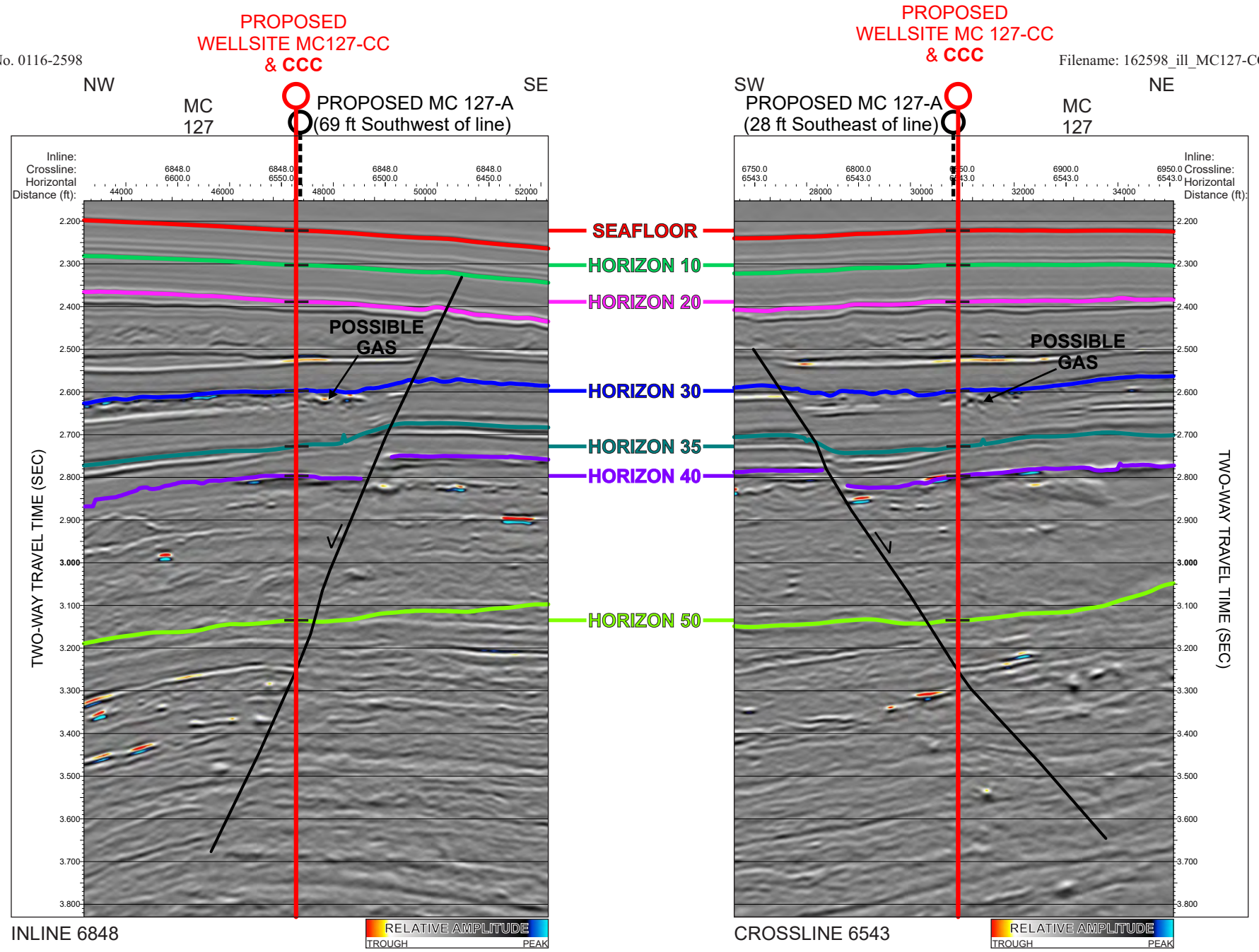
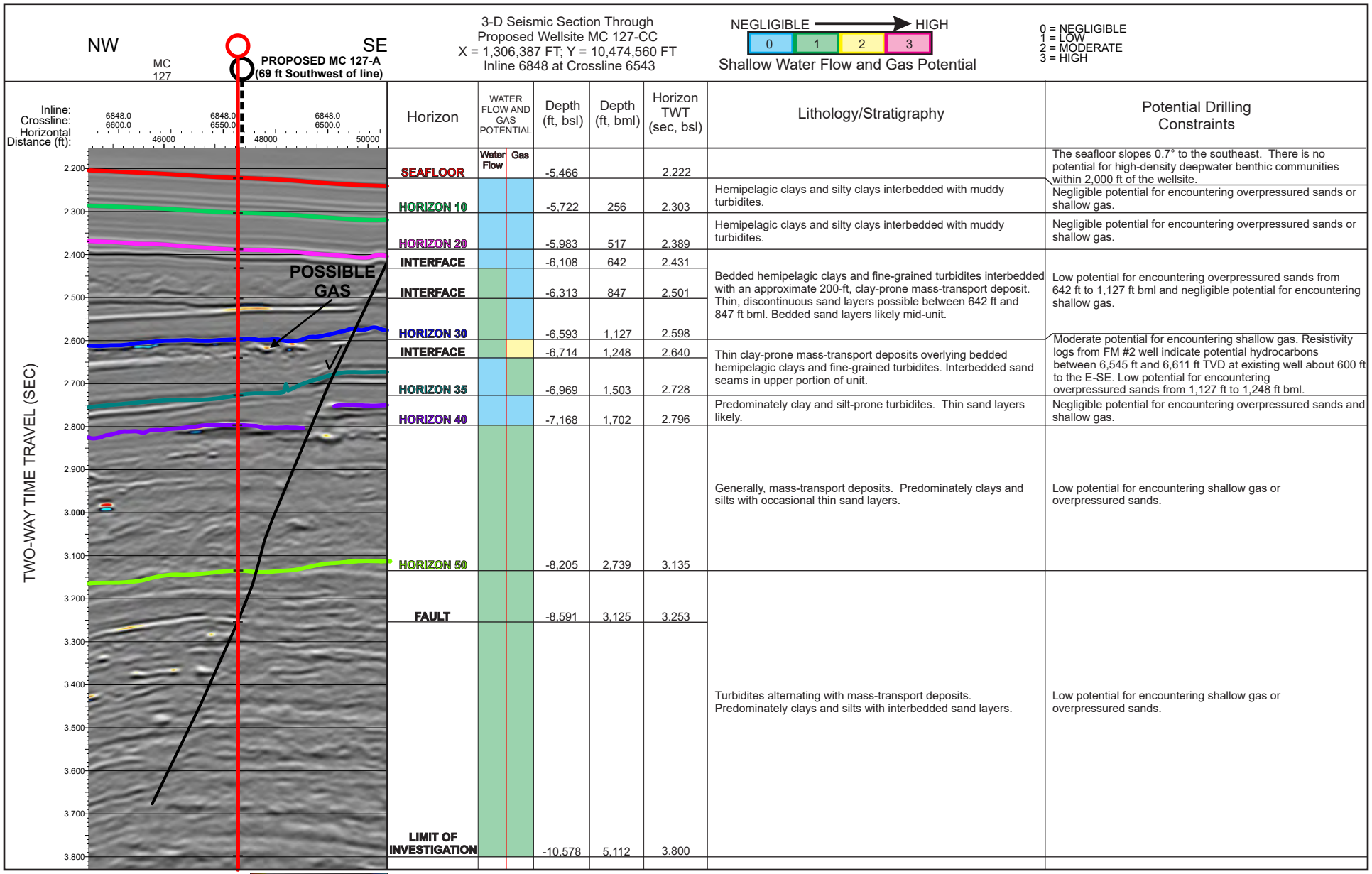



Illustration MC 127-CC-2. Portions of Inline 6848 and Crossline 6543 Showing Conditions Beneath Proposed Wellsite MC 127-CC

Project No. 0116-2598

**PROPOSED WELLSITE MC 127-CC & CCC**

Filename: 162598_ill_MC127-CC-3.cdr




| Horizon | WATER FLOW AND GAS POTENTIAL: Water Flow | WATER FLOW AND GAS POTENTIAL: Gas | Depth (ft, bsl) | Depth (ft, bml) | Horizon TWT (sec, bsl) | Lithology/Stratigraphy | Potential Drilling Constraints |
|---|---|---|---|---|---|---|---|
| SEAFLOOR | | | -5,466 | | 2.222 | | The seafloor slopes 0.7° to the southeast. There is no potential for high-density deepwater benthic communities within 2,000 ft of the wellsite. |
| HORIZON 10 | | | -5,722 | 256 | 2.303 | Hemipelagic clays and silty clays interbedded with muddy turbidites. | Negligible potential for encountering overpressured sands or shallow gas. |
| HORIZON 20 | | | -5,983 | 517 | 2.389 | Hemipelagic clays and silty clays interbedded with muddy turbidites. | Negligible potential for encountering overpressured sands or shallow gas. |
| INTERFACE | | | -6,108 | 642 | 2.431 | Bedded hemipelagic clays and fine-grained turbidites interbedded with an approximate 200-ft, clay-prone mass-transport deposit. Thin, discontinuous sand layers possible between 642 ft and 847 ft bml. Bedded sand layers likely mid-unit. | Low potential for encountering overpressured sands from 642 ft to 1,127 ft bml and negligible potential for encountering shallow gas. |
| INTERFACE | | | -6,313 | 847 | 2.501 | | |
| HORIZON 30 | | | -6,593 | 1,127 | 2.598 | | |
| INTERFACE | | | -6,714 | 1,248 | 2.640 | Thin clay-prone mass-transport deposits overlying bedded hemipelagic clays and fine-grained turbidites. Interbedded sand seams in upper portion of unit. | Moderate potential for encountering shallow gas. Resistivity logs from FM #2 well indicate potential hydrocarbons between 6,545 ft and 6,611 ft TVD at existing well about 600 ft to the E-SE. Low potential for encountering overpressured sands from 1,127 ft to 1,248 ft bml. |
| HORIZON 35 | | | -6,969 | 1,503 | 2.728 | | |
| HORIZON 40 | | | -7,168 | 1,702 | 2.796 | Predominately clay and silt-prone turbidites. Thin sand layers likely. | Negligible potential for encountering overpressured sands and shallow gas. |
| HORIZON 50 | | | -8,205 | 2,739 | 3.135 | Generally, mass-transport deposits. Predominately clays and silts with occasional thin sand layers. | Low potential for encountering shallow gas or overpressured sands. |
| FAULT | | | -8,591 | 3,125 | 3.253 | | |
| LIMIT OF INVESTIGATION | | | -10,578 | 5,112 | 3.800 | Turbidites alternating with mass-transport deposits. Predominately clays and silts with interbedded sand layers. | Low potential for encountering shallow gas or overpressured sands. |

Inline 6848

Illustration MC 127-CC-3. Tophole Prognosis Chart, Proposed Wellsite MC 127-CC, Mississippi Canyon, Block 127

Project No. 0116-2598

Filename: 162598_ill_MC127-CC-4.cdr

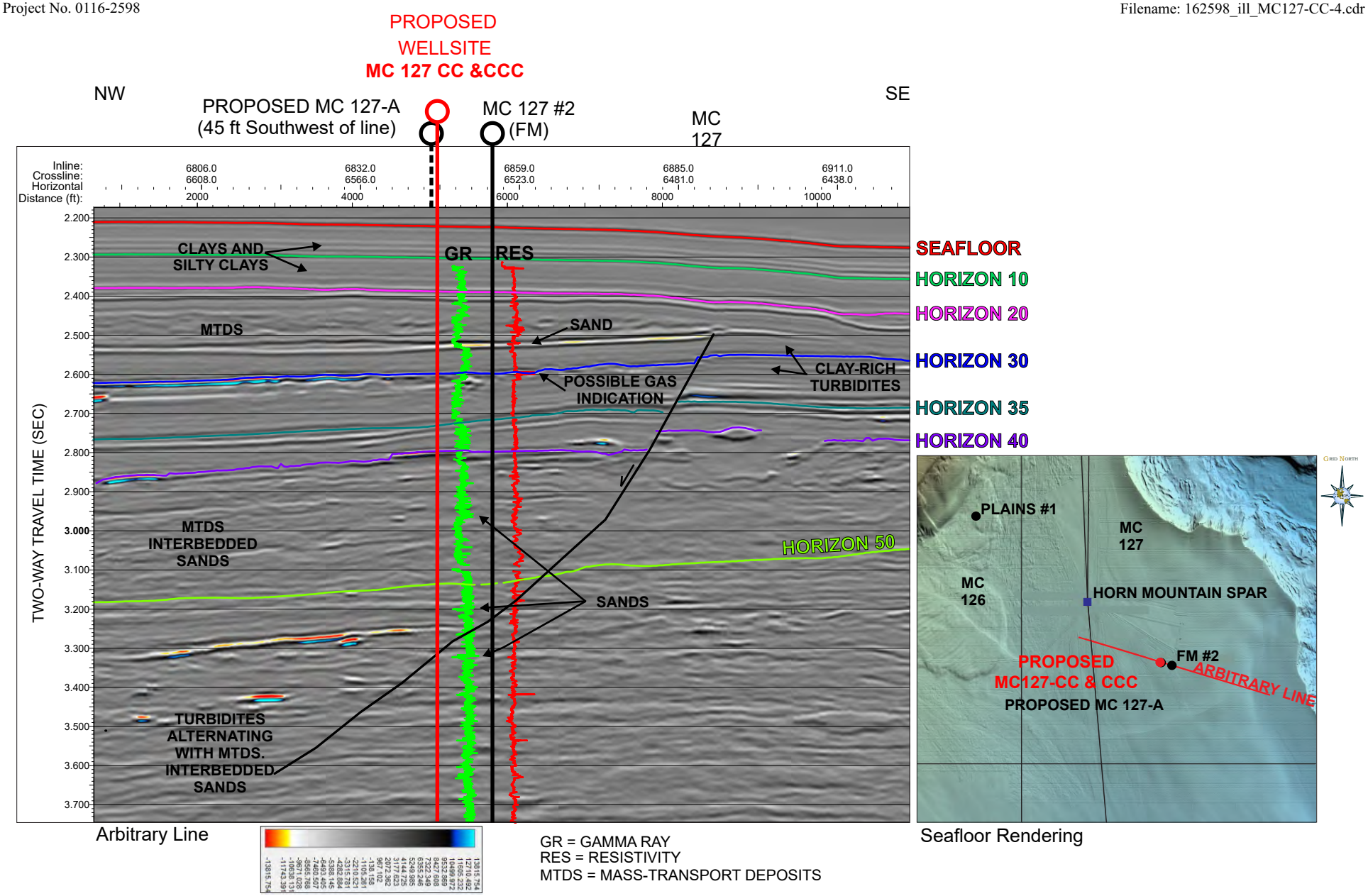



Illustration MC 127-CC-4. Correlation Between Proposed MC 127-CC and Existing Well

15810 Park Ten Place, Suite 100
Houston, Texas 77084
832.603.4352
**www.gemsinc.com**

April 9, 2025 Project No.: GHZ3325

Anadarko Petroleum Corporation
1201 Lake Robbins
Houston, TX 77010

Attention: Ms. Rachael Bennett

**Site Clearance Letter,**
**Proposed Wellsites MC 126 K, KK, L, and LL**
**Block 126 (OCS-G-18194),**
**Mississippi Canyon Area,**
**Gulf of America**

Anadarko Petroleum Corporation (Anadarko) contracted Geoscience Earth & Marine Services (GEMS), a Geosyntec Company, to provide an assessment of the seafloor and shallow geologic conditions to determine the favorability of drilling operations for Proposed Wellsites MC 126 K, KK, L and LL whose surface locations are in Block 126 (OCS-G-18194), Mississippi Canyon Area (MC), Gulf of America. This letter addresses specific seafloor and subsurface conditions around the proposed locations to the Limit of Investigation at a depth of 5,100 ft below the mudline (bml).

Seafloor conditions appear favorable within the immediate vicinity of the proposed surface location. There are no potential sites for deepwater benthic communities within 2,000 ft. There are 10 Side-Scan Sonar contacts within 2,000 ft of the proposed wellsites, but they are not recommended for avoidance on the basis of archaeological potential. Based on seismic characteristics and regional information, there is a Negligible to Low potential for encountering overpressured sands and a Negligible to Low potential for shallow gas within the Limit of Investigation. This letter provides details specific to the well location, including available data, Notice to Lessees (NTL) requirements, man-made features, and wellsite conditions.

## Proposed Well Location

The surface location for the Proposed Wellsites MC 126 K, KK, L and LL lies in the eastern portion of MC 126. Anadarko provided the following coordinates:

**Table-1.** Proposed Location Coordinates

| Proposed Wellsites MC 126 K, KK, L, LL | | | |
|---|---|---|---|
| Spheroid & Datum: Clarke 1866<br>NAD27 Projection: UTM Zone 16 North | | Line Reference | Block Calls<br>(MC 126) |
| X: 1,293,996.94 ft | Latitude: 28° 51' 55.28" N | Inline 6675 | 4883.06 FEL |
| Y: 10,476,929.50 ft | Longitude: 88° 4' 57.43" W | Crossline 6797 | 6689.50 FSL |

Anadarko plans to drill this well using a dynamically positioned drilling vessel. Our assessment addresses the seafloor conditions within a 2,000-ft radius around the proposed surface locations.

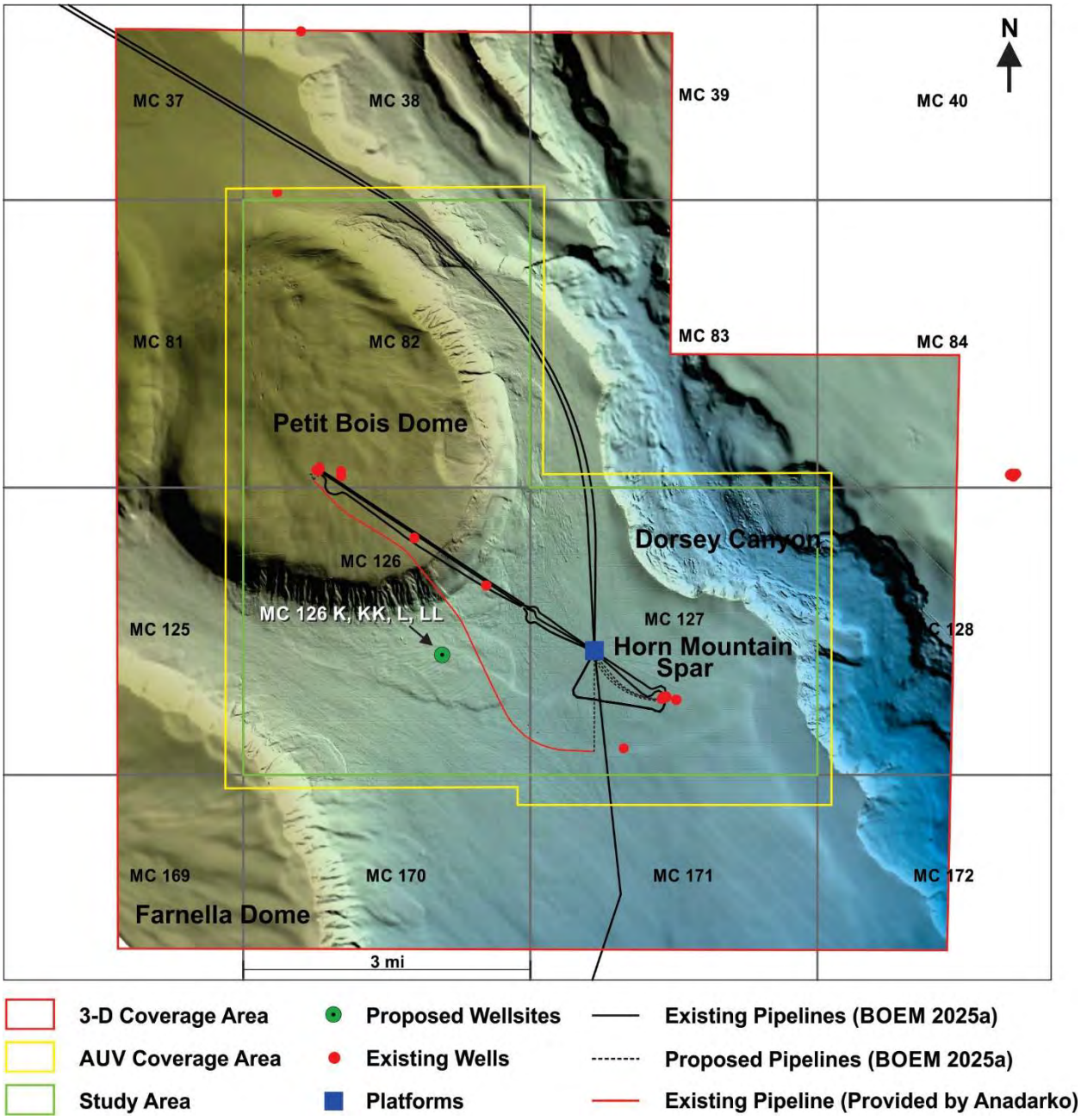



**Figure 1. Seafloor Rendering of the Mississippi Canyon Study Area Showing the Location of the Proposed Wellsites.**

## Available Data

The following discussion is based on the findings provided within the geohazard report "Geologic and Stratigraphic Assessment, Blocks 82, 126, and 127, Mississippi Canyon Area, Gulf of Mexico" (GEMS Project No. 0413-2235) submitted to Plains Exploration and Production Company (PXP) in September 2013 (GEMS, 2013). The text, maps, and figures included in the report provide detail on the regional geology of the Study Area. PXP provided an exploration 3-D seismic time volume for the geohazard analysis, covering an approximate 135.5 square-mile "Survey Area" that includes all or portions of Federal lease Blocks MC 37-39, 81-84, 125-128, and 169-172 (Figure 1). Sub-seafloor mapping was limited to an approximate 27 square-mile "Study Area" covering all of GC 82, 126, and 127. PXP also provided high-resolution geophysical data collected by C & C Technologies, Inc., (C & C) in May and June

2013 using an Autonomous Underwater Vehicle (AUV) over the three-block Study Area (Figure 1). These data included 1.5-4.5 kHz subbottom profiler, 230-kHz side-scan sonar, and 3-meter bin multibeam bathymetry data.

## Attachments

Wellsite maps are centered on the proposed common surface location and are displayed at a 1 inch = 1,000 ft scale (1:12,000). The maps included in this letter are as follows:

Map No. KL-1: Bathymetry Map
Map No. KL-2: Seafloor Features Map
Map No. KL-3: Side-Scan Sonar Mosaic
Map No. KL-4: Seafloor Amplitude Rendering
Map No. KL-5: Geologic Features Map

The accompanying illustrations were extracted from the available datasets and are listed below:

Illustration KL-1: Subbottom Profiler Line 139 Showing Near-Surface Conditions Near the ProposedWellsites. Surface Locations in Mississippi Canyon Area, Block 126.
Illustration KL-2: Portions of Inline 6675 and Crossline 6797 Showing Conditions Beneath the Proposed Wellsites MC 126 K, KK, L, LL. Surface Locations in Mississippi Canyon Area, Block 126.
Illustration KL-3: Tophole Prognosis Chart, Proposed Wellsites, Mississippi Canyon Area, Block 126.

## NTL Requirements

The following report complies with the Bureau of Ocean Energy Management (BOEM) guidelines including: NTL 2008-G04, NTL 2009-G40, and NTL 2022-G01 (MMS, 2008, 2010, BOEM, 2022) with respect to benthic community and shallow hazard assessments. An archeological assessment of the area of potential effect around the proposed surface locations may be required as per NTL 2005-G07 (BOEM, 2020). C & C prepared an archaeological assessment to comply with the Archaeological Resource Surveys and Reports requirements and submitted the report to PXP in August 2013 (C & C, 2013).

As specified in NTL 2022-G01 (BOEM, 2022), GEMS extracted the power spectrum diagram from the 3-D seismic dataset provided at the proposed wellsite (Figure 2). The extraction was generated within a 2,000-ft radius of the intersection of the inline and crossline at the proposed wellsite. The extraction time interval consisted of the seafloor to 1 second (~3,000 ft) bml. We converted the amplitude vs. frequency spectrum, generated by the IHS Kingdom software, to power vs. frequency by squaring the amplitude values as described by J. A. Coffeen, 1978. The frequency bandwidth at 50% power ranges from 36 Hz to 61 Hz.

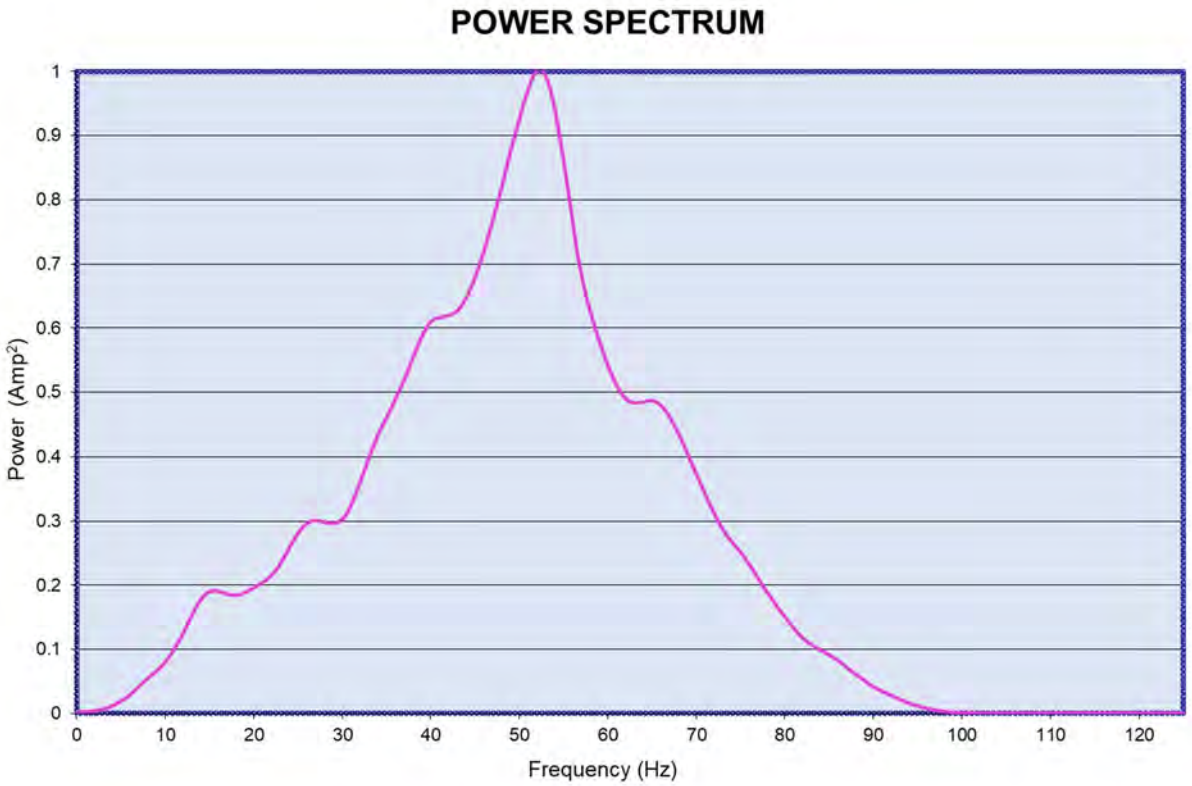



**Figure 2. Power Spectrum Curve, Proposed Wellsite K, KK, L, LL**

## Man-Made Features

The proposed wellsites are located in the Horn Mountain development area. Several wells have previously been drilled near the proposed MC 126 wellsite locations in MC 82, 126, and 127 (Figure 1; BOEM, 2025a).

The nearest existing infrastructure is the recently constructed northwest-southeast trending Anadarko 6" gas lift pipeline (segment 21195), which is 1,747 ft northeast of the proposed wellsites (Figure 1, Table 2). This Anadarko Lift segment runs from the southwestern portion of MC 127 to the southern portion of MC 82, covering a distance of approximately 22,649 ft. As communicated by Anadarko in March 2025, the LIFT Segment 21195 was installed in 2024 while BOEM (2025a) shows the same pipeline as "proposed". We recommend confirming the as-built location of the pipeline prior to drilling since the location provided by Anadarko coincides with the currently "proposed pipeline" shown by BOEM (2025a).

Within a 2,000-foot radius of the proposed wellsites, there are no other existing flowlines, risers, umbilicals, or wells, as reported by BOEM (2025a). Additionally, the nearest existing well is the Anandarko #1 (G18194) approximately 4,475 ft northeast the proposed wellsites. The Horn Mountain Spar platform is situated about 5,969 ft northeast of the proposed wellsite. Multiple in-field and export flowlines and umbilicals associated with the Horn Mountain development, are generally north and northeast of the proposed location.

**Table 2.** Existing Flowlines within 2,000 ft of Proposed Wellsites.

| Segment | Operator | Type | Status | Distance/Direction from Proposed Wellsites |
|---|---|---|---|---|
| 21195 | Anadarko Petroleum Corporation | LIFT | Installed | 1,748 ft / NE |

## Archaeological Assessment

C & C (2013) conducted an archaeological evaluation across blocks MC 82, MC 126, and MC 127, identifying a total of 224 contacts in the side-scan sonar data within the AUV survey. Of these contacts, 36 are located within block MC 126, with 10 situated within 2,000 feet of the proposed wellsites (see Table 3 and Maps KL-2, 3 and 5). The closest contact to the proposed wellsites is Contact #188 located ~748 ft to the north-northwest, followed by Contacts #186 and #201 located 1,246 north ft and ~831 ft south-southwest respectively from the proposed wellsites. Contacts from #190 to #196 are in a cluster located from ~1,160 (Contact# 194) to ~1,484 ft (Contact #191) west-northwest from the proposed wellsite.

All Side-Scan Sonar Contacts observed in MC 126 are in a linear debris trail oriented northeast-southwest. According to C&C (2013), the linear distribution of the debris, most interpreted as "potential barrels" on the seafloor, is suggestive of organized dumping or disposal operations. The amount of debris on the seafloor in this region indicates dumping activity. Based on the linear patterns and target dimensions, all the sonar contacts interpreted as "potential barrels" are considered to be associated with a discontinued industrial waste dump area once located southwest of the survey area (C&C, 2013).

No areas are recommended for avoidance on the basis of archaeological potential. However, if any wood, ceramics, textiles, or ferrous objects become exposed during the course of bottom disturbing operations, all activities must be halted and BOEM notified within 72 hours.

**Table 3.** Side-Scan Sonar Contacts within 2,000 ft of Proposed Wellsites K, KK, L and LL.

| CONTACT | AREA/BLOCK | LENGTH (FT) | WIDTH (FT) | HEIGHT (FT) | DESCRIPTION | LATITUDE | LONGITUDE | DISTANCE / DIRECTION FROM SITE |
|---|---|---|---|---|---|---|---|---|
| 186 | MC 126 | 9.9' | 4.6' | 0.0' | Irregular | 28° 52' 6.75" | 88° 5' 2.61" | 1,246 ft NNW |
| 188 | MC 126 | 3.9' | 2.4' | 0.0' | Irregular | 28° 52' 2.06" | 88° 5' 1.64" | 781 ft NNW |
| 190 | MC 126 | 3.1' | 3.1' | 0.0' | Irregular | 28° 51' 56.92" | 88° 5' 10.77" | 1,197 ft W |
| 191 | MC 126 | 3.0' | 2.4' | 0.3' | Irregular | 28° 51' 56.79" | 88° 5' 14.04" | 1,484 ft WNW |
| 192 | MC 126 | 2.4' | 2.4' | 0.0' | Irregular | 28° 51' 56.54" | 88° 5' 13.92" | 1,479 ft W |
| 193 | MC 126 | 3.5' | 2.2' | 0.0' | Irregular | 28° 51' 56.51" | 88° 5' 13.16" | 1,404 ft W |
| 194 | MC 126 | 3.8' | 3.2' | 0.0' | Irregular | 28° 51' 56.18" | 88° 5' 10.44" | 1,160 ft WNW |
| 195 | MC 126 | 5.3' | 3.2' | 0.0' | Irregular | 28° 51' 55.2" | 88° 5' 13.83" | 1,457 ft W |
| 196 | MC 126 | 5.1' | 3.6' | 0.0' | Irregular | 28° 51' 54.25" | 88° 5' 11.7" | 1,272 ft W |
| 201 | MC 126 | 6.0' | 3.3' | 0.0' | Irregular | 28° 51' 10.51" | 88° 6' 41.66" | 831 ft S |

## Wellsite Conditions

The proposed surface locations are clear of any constraining geologic seafloor conditions as defined by the high-resolution geophysical and 3-D seismic datasets. Interbedded sand layers are likely below 526 ft bml, alternating with intervals of clay or silty clay-rich sediments up to the Limit of Investigation (LOI) at 5,100 ft bml.

## Water Depth and Seafloor Conditions

The water depth at the proposed surface locations is -5,293 ft (Map 1). The seafloor slopes to the southeast at approximately 1°. The proposed wellsites are located south-southeast of the uplifted bathymetric high of Petit Bois Dome (Figure 1). The seafloor in the vicinity of the proposed surface location has a northeast-southwest trend of hummocks due to the surface expression of a mass transport deposit (MTD) that is buried by approximately 100 ft of sediment indicating a late Pleistocene event. To the northeast, a northwest-southeast lineament is visible on seafloor renderings approximately ~570 ft northeast of the proposed wellsites. The seafloor lineament extends for ~7,525 feet, characterized by seabed offsets up to 10 ft high and gradients up to approximately ~2.8°. This feature

represents the surface expression of a buried fault. An approximate 10-foot surficial drape of soft, high water-content silty clays covers the seafloor at the proposed wellsites (Illustration KL-1).

The rugged escarpment forming the flank of Petit Bois Dome lies about 2,607 ft to the north. Although there is evidence of previous slope failure along the steeply sloping escarpment, major slope failure events are not expected at present time. Varying natural and anthropogenic processes can act to reduce stability, but the primary driver is sea level change and its relationship to sediment loading above salt. During the present time, the sea level is at a high stand, and sedimentation rates are low; therefore, the slopes are considered relatively stable over the life of a well.

**Deepwater Benthic Communities**

No features or areas were interpreted within 2,000 ft of the proposed wellsite locations that can support high-density chemosynthetic or other deepwater benthic communities. The multibeam bathymetry and side-scan sonar datasets do not show evidence of expulsion mounds, depressions, or irregular seafloor indicative of possible seep features within 2,000 ft of the proposed location (Maps KL-2 and KL-3). The Seafloor Amplitude Rendering illustrates an elevated amplitude signature extending into the northern portion of the 2,000 ft radius (Map KL-4). Additionally, a BOEM (2025a) slump anomaly is generally co-located with the area of elevated seafloor response. The elevated amplitudes and BOEM (2025a) anomaly correspond to the shallow buried slump deposits that originated off the flank of Petite Bois Dome to the north. The anomalies are associated with lithologic variations in the shallow sediments rather than seep features indicative of any hardground development.

**Stratigraphy**

The stratigraphy at the proposed well locations is depicted on Illustrations KL-1 through KL-3. The Tophole Prognosis Chart (Illustration KL-3) shows the crossline, annotated with depths to the various horizons and predicted lithology of the sequences, along with their potential for shallow gas and shallow water flow. The seafloor and six horizons (Horizons 10, 20, 30, 35, 40, and 50) were mapped within the Study Area to define seven primary sedimentary sequences.

Unit 1, (Seafloor to Horizon 10). Unit 1 can be observed in detail in the subbottom profiler data which defines the first approximately 203 ft of section beneath the mudline around the proposed wellsites (Illustration KL-1). The uppermost ~10 ft of sediment at the wellbore is a hemipelagic drape consisting of layered, soft, high water content clays. Beneath the drape is a 13 ft thick clay-rich MTD (from 10 ft to 23 ft bml) that overlies a thick sequence of well-layered hemipelagic clays and turbidites composed of clays, silty clays, and silts from approximately 23 ft to 100 ft bml (Illustration KL-1). Beneath the stratified clay and silts, from 100 ft to 203 ft bml, is an MTD 103 ft thick, with seabed expression, likely clay-rich, but generally will have higher bulk densities and lower water contents compared to layered hemipelagic deposits. The remaining portion of Unit 1 (from 203 ft to 314 ft bml), as defined by the 3-D seismic data, is characterized by semi-continuous to discontinuous, low-amplitude horizons that represent mud-prone MTDs (Illustrations KL-2 and KL-3).

Unit 2 (Horizon 10 to Horizon 20). The seismic interval between Horizons 10 and 20 (314 ft to 526 ft bml) predominately consists of general layered low-amplitude reflectors, indicative of hemipelagic clays and silty clays interbedded with muddy turbidites.

Unit 3 (Horizon 20 to Horizon 30). The seismic interval between Horizons 20 and 30 (526 ft to 1,231 ft bml) consists of moderate-amplitude reflections at the upper section and low-amplitude reflections at the lower section. The moderate-amplitude interval (from 526 ft to 963 ft bml) predominantly consists of bedded hemipelagic clays and fine-grained turbidites comprised of clays and silts with thin interbedded sand layers. Below 963 ft to 1,231 ft bml is a continuous stratified interval comprised of hemipelagic clays and silts.

Unit 4 (Horizon 30 to Horizon 35). The seismic interval between Horizons 30 and 35 (1,231 ft to 1,602 ft bml) consists of an upper unit of low-amplitude chaotic reflectors to 1,341ft bml overlying low-amplitude, continuous reflectors. The upper portion of the unit is likely comprised of MTDs containing clays, silts, and possible discontinuous sands. The underlying low-amplitude reflections represent continuous stratified clays and clay-prone turbidites.

Unit 5 (Horizon 35 to Horizon 40). The seismic interval between Horizons 35 and 40 (1,602 ft to 1,891 ft bml) can be subdivided in two sections. The upper section between 1,602 ft and 1,719 ft bml consists of moderate -amplitude

continuous slightly inclined reflections. These reflections likely represent continuous of turbidites containing some sand layers. The lower section, between 1,719 ft and 1,891 ft bml consists of low-amplitude hummocky reflections that represent clay-rich MTD overlying an unconformity at Horizon 40.

Unit 6 (Horizon 40 to Horizon 50). The seismic interval between Horizons 40 and 50 (1,891 ft to 3,022 ft ml) mainly consists of discontinuous hummocky low-amplitude reflections that represent interbedded clay, silt, and sand layers likely deposited in a slope-fan-channel complex.

Unit 7 (Horizon 50 to Limit of Investigation). The seismic interval between Horizon 50 and the Limit of Investigation (3,022 ft to 5,100 ft bml) mainly consists of a thick sequence of low to moderate amplitude reflections, ranging from continuous to partially continuous representing turbidites and MTD intervals containing clays, silts, and sands.

### Faults

Two buried normal faults are observed in the wellsite area, one of which intersects the proposed wellbore at 3,239 ft bml (Illustrations KL-2 and KL-3). The maximum vertical apparent offset along the fault plane intersecting the wellbore observed in crossline 6797 at Horizon 50, measures approximately 148 ft. A second normal fault is located northeast of the proposed wellsites. This fault is downthrown to the northeast and does not intersect the well trajectory (Illustrations KL-2 and KL-3). The fault appears to have been active until the beginning of the deposition of Unit 1 and it is draped by approximately 350 ft of hemipelagic clay. The surface expression of this fault is observed 570 ft northeast of the wellsite (Map KL-2) and has a northwest-southeast trend measuring approximately 7,525 ft. No seafloor faults will be penetrated by the proposed wellsites; however, there may be additional faults characterized by minor offsets below the resolution of the 3-D, dataset. Engineers should be aware of the potential for lost circulation across fault planes with special emphasis at the upper part of the stratigraphic Unit 7.

### Gas Hydrates, Shallow Gas, and Shallow Water Flow

The likelihood of encountering massive hydrates in the tophole section is generally Low. Based on the assessment of the 3-D seismic data in the vicinity of the proposed wellsites, the potential for shallow gas is Negligible to Low and the potential for shallow water flow is assessed as Negligible to Low.

*Gas Hydrates.* There is no seismic evidence of a Bottom Simulating Reflector (BSR) indicative of hydrates at and in the immediate vicinity of the planned well, although hydrates are known to exist in the absence of BSRs. Additionally, there is no evidence supporting active venting to the seafloor in the immediate vicinity of the proposed location. Given the absence of a BSR or indications of high-amplitude anomalies along the proposed borehole, we interpret a Negligible potential of encountering significant concentrated gas hydrates. While the presence of naturally occurring hydrates at the planned wellsite is unlikely based on the seismic data, it cannot be completely ruled out, and disseminated gas hydrates could be present in minor amounts. Consideration must be given to the potential for any release of gas at the wellhead to form hydrates in the absence of appropriate mitigation measures.

*Shallow Gas.* There are no acoustic wipe-out zones in the subbottom profiler data or anomalously high amplitudes directly below the proposed wellsites (Illustrations KL-1 to KL-3 and Map KL-5). The Side-Scan Sonar mosaic shows a smooth image with no evidence of hardground. A Negligible potential for accumulations of gas is assessed within Unit 1 (Seafloor to 314 ft bml); Illustration KL-3.

Negligible to Low potentials for shallow gas are assessed for the remaining stratigraphic sequence to the Limit of Investigation (5,100 ft bml); Illustration KL-3. There are no interpreted high-amplitude anomalies or other direct hydrocarbon indicators directly below or in the immediate vicinity of the proposed wellsite.

Sand layers are possible within the shallow section, particularly below Horizon 20 (526 ft bml). The closest occurrence of a high-amplitude anomaly is approximately 607 ft west-northwest of the proposed wellsite between Horizon 35 and 50.

*Shallow Water Flow.* The potential for shallow water flow at the proposed well locations is considered Negligible to Low based on the lack of regionally extensive sand-prone complexes in the shallow section, the lack of reported water flow incidents from nearby existing wells and offset well log data. Low potential for shallow water flow exists from 526 ft to 963 ft ml, 1,231 ft to 1,341 ft ml, 1,602 ft to 1,719 ft bml, and from 1,891 ft bml to the Limit of Investigation. Sand layers are possible within these intervals; however, any fluids encountered are not likely to be

significantly overpressured. A Negligible potential for overpressured sands is assessed for the remaining sediment intervals.

## Results

The recently constructed Anadarko 6" lift pipeline (segment 21195) is potentially 1,747 ft northeast of the proposed wellsites. We recommend confirming the as-built location of the pipeline prior to drilling and urge caution during operation activities in the vicinity of the pipeline.

No geologic seafloor hazards or constraints are defined by the available data at the proposed surface locations. No areas with the potential for deepwater benthic communities are identified within 2,000 ft of the proposed wellsites. The proposed wellbore intersects a buried fault at 3,239 ft bml. We advise caution while drilling through the buried fault since faults are potential zones for the loss of drilling fluids.

Ten Side-Scan Sonar contacts were observed within 2,000 ft of the proposed well sites. Most of the contacts were interpreted by C&C (2013) as "potential barrels". There are no areas recommended for avoidance on the basis of archaeological potential. We recommend a 100-ft hazard avoidance around any mapped contacts. Should any potentially historic materials such as textiles, wood, ceramics, or other items be discovered during exploration activities, all operations must cease, and BOEM/BESS be notified within 72 hours.

There is a Negligible to Low potential for encountering shallow water flow within the Limit of Investigation. There is generally a Negligible to Low potential for shallow gas accumulations at the proposed locations.

## Closing

We appreciate the opportunity to be of service to Anadarko and look forward to working with you on future projects.

Sincerely,

**GEOSCIENCE EARTH & MARINE SERVICES,**
**A Geosyntec Company**

Eduardo Carrillo, Ph.D.
Professional

Daniel Lanier
Senior Principal

Erin Williams Janes
Principal

Attachments (5 Maps and 3 Illustrations)

Distribution:
Ms. Rachael Bennett, Occidental Petroleum Corporation, Houston, TX (Digital Final Copy)

**REFERENCES**

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Project No. GHZ3325

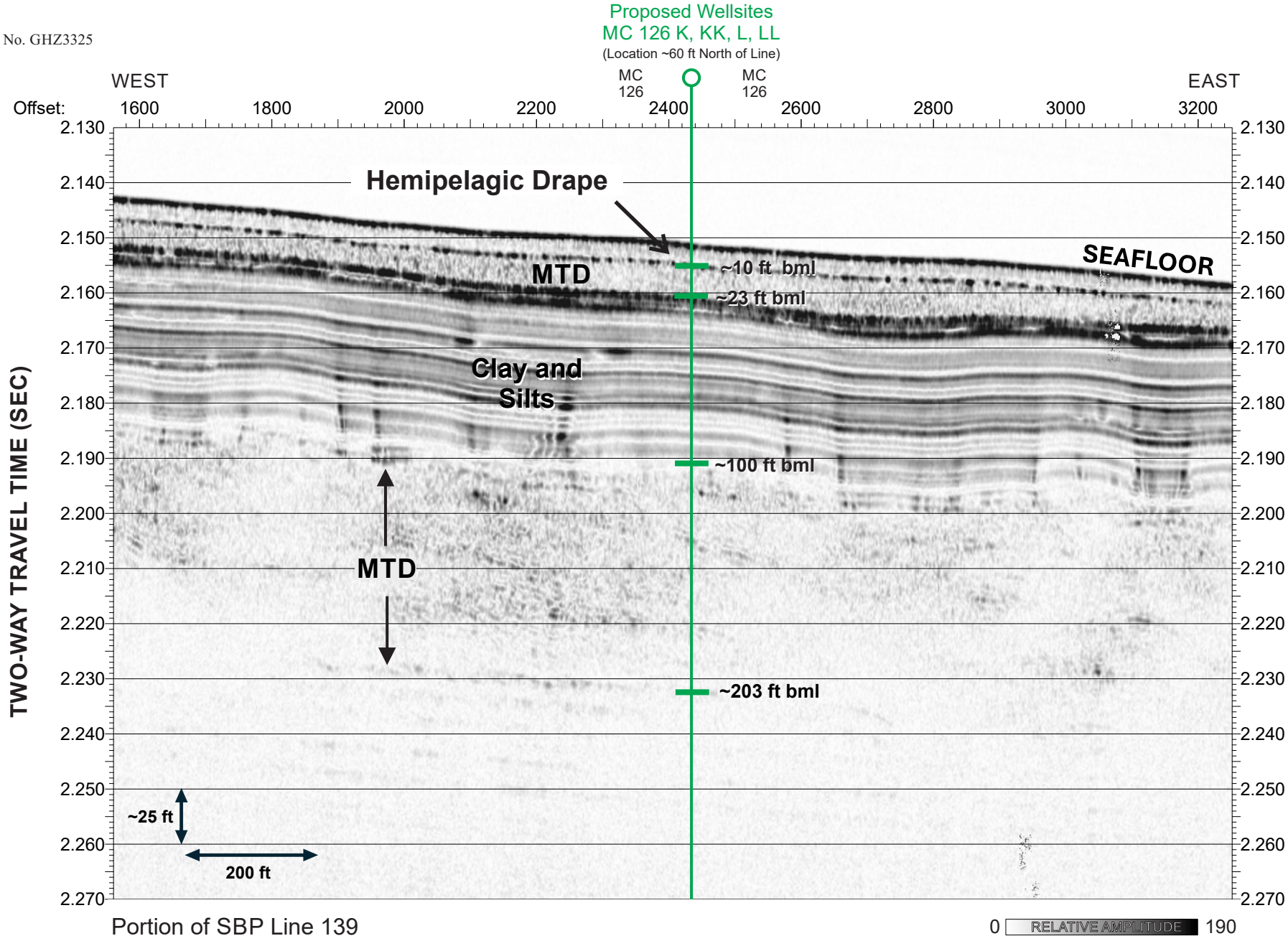



Illustration KL-1. Subbottom Profiler Line 139 Showing Near-Surface Conditions Near the Proposed Wellsites. Surface Locations in Mississippi Canyon Area, Block 126.

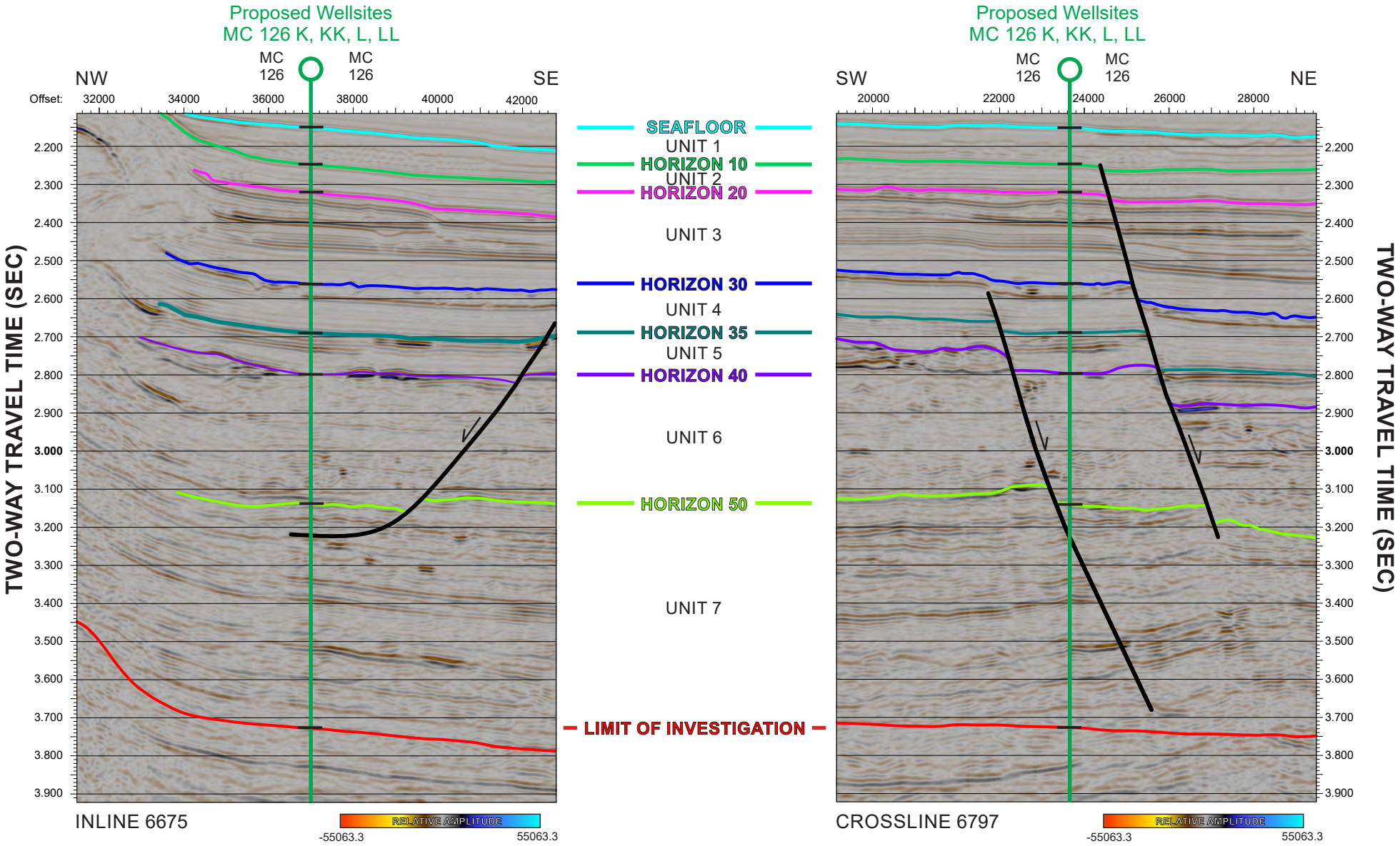



Illustration KL-2. Portions of Inline 6675 and Crossline 6797 Showing Conditions Beneath the Wellsites MC 126 K, KK, L, LL. Surface Locations in Mississippi Canyon Area, Block 126.

Project No. GHZ3325

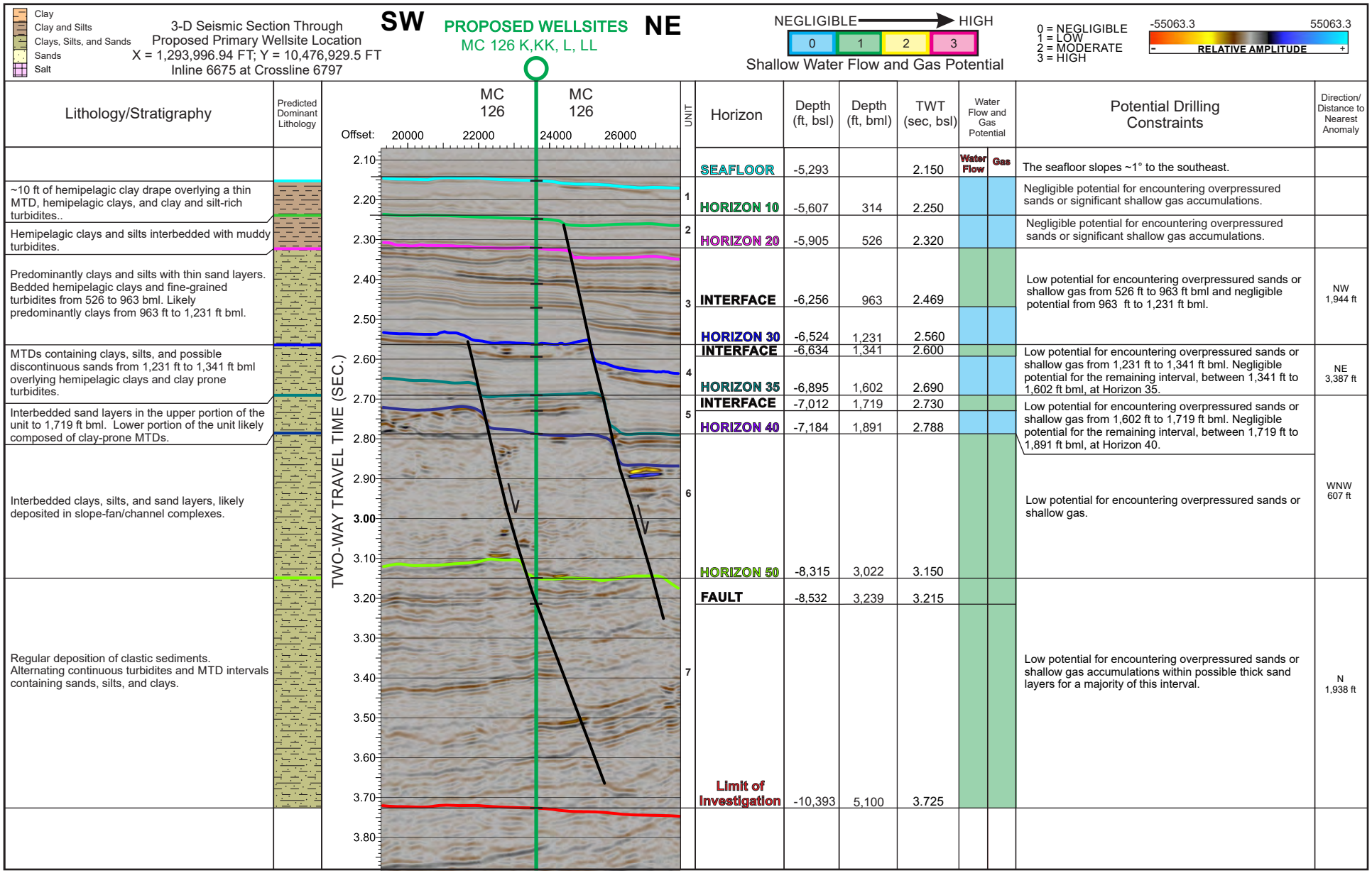
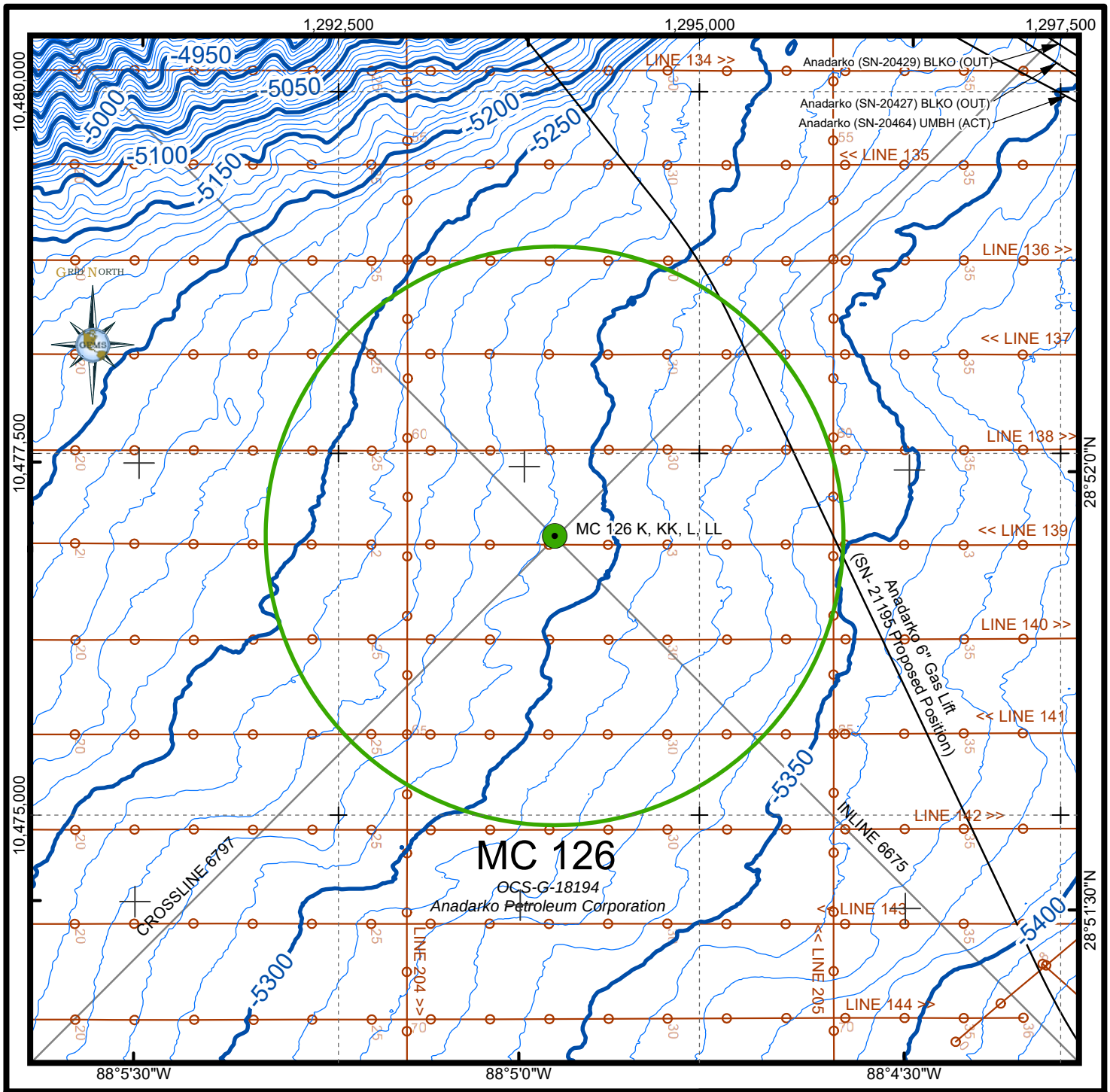



Illustration KL-3. Tophole Prognosis Chart, Proposed Wellsites, Mississippi Canyon Area, Block 126.




PROPOSED SURFACE LOCATIONS.
CIRCLE REPRESENTS 2,000 FT RADIUS
AROUND PROPOSED WELLSITE.

3D SURVEY LINES.

AUV SURVEY TRACKLINES (C&C, 2013).

EXISTING PIPELINE/UMBILICAL/CABLE
LOCATION, AS REPORTED BY BOEM (2025a).
ACCESSED MARCH 2025.

WATER DEPTH CONTOUR IN FEET.
CONTOUR INTERVAL = 10 FOOT.

**NOTE: BATHYMETRY CONTOURS GENERATED FROM MULTIBEAM BATHYMETRY DATA, SUPPLEMENTED IN AUV SURVEY GAPS WITH THE 3-D DATA SET.**

# ANADARKO PETROLEUM

## BATHYMETRY MAP

PROPOSED WELLSITES MC 126 K, KK, L, LL

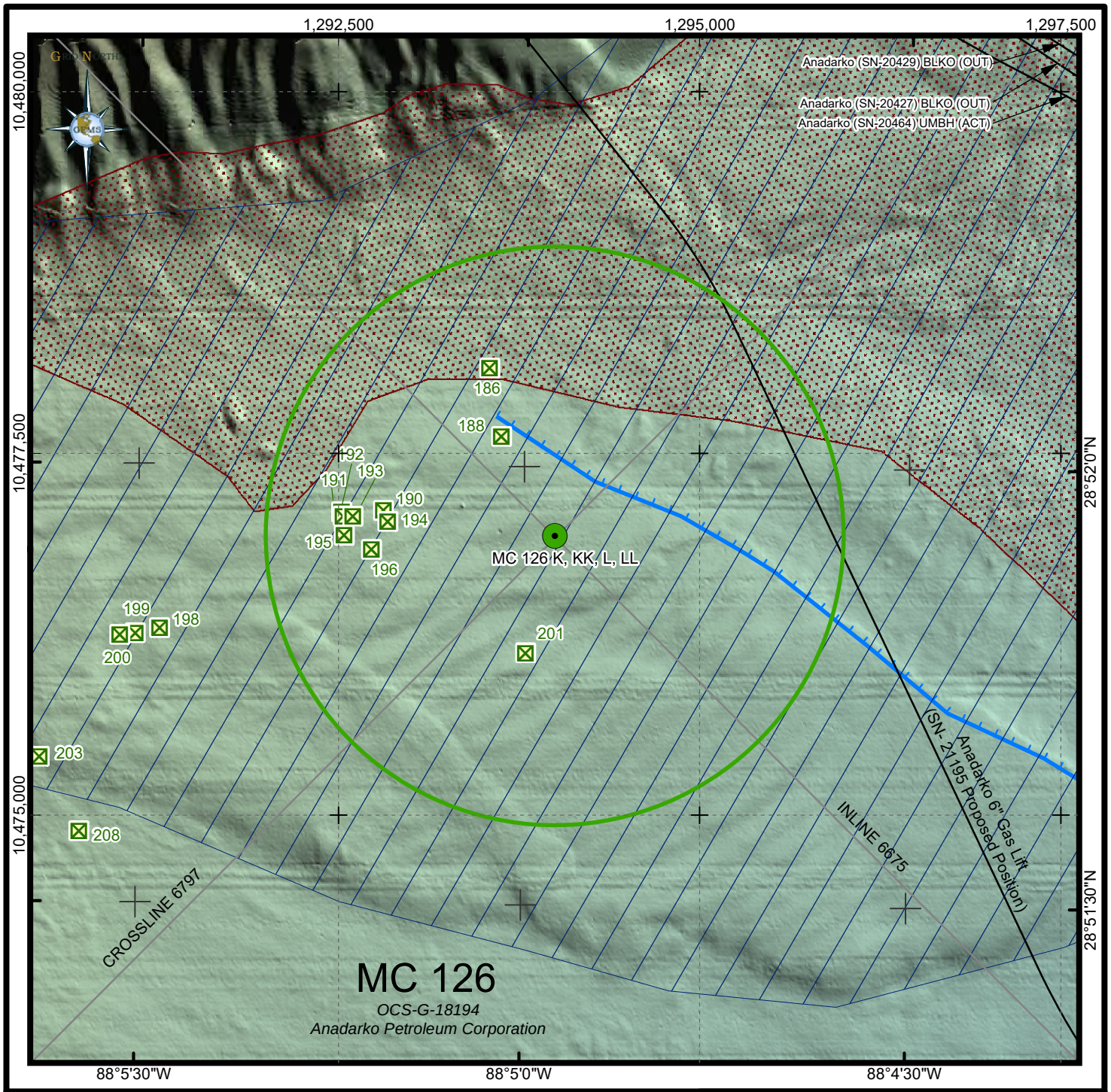
BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF AMERICA

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

DATE: 9 APRIL 2025
FILE NAME: 3325_01_Bathy_126K.mxd
PROJECT NO.: GHZ3325

MAP No. KL-1




PROPOSED SURFACE LOCATIONS.
CIRCLE REPRESENTS 2,000 FT RADIUS
AROUND PROPOSED WELLSITE.

3D SURVEY LINES.

EXISTING PIPELINE/UMBILICAL/CABLE
LOCATION, AS REPORTED BY BOEM (2025a).
ACCESSED MARCH 2025.

SIDE-SCAN SONAR TARGET (C&C, 2013).

SEAFLOOR EXPRESSION OF BURIED
MASS TRANSPORT DEPOSIT.

BURIED FAULT WITH SEAFLOOR EXPRESSION,
TICKS INDICATE DOWNTHROWN SIDE OF THE FAULT.

AREAS OF SLUMPS, AS REPORTED BY
BOEM (2025b). ACCESSED MARCH 2025.

RELATIVE WATER DEPTH
Shallow
Deep

*ALTITUDE = 40°*
*AZIMUTH = 45°*
*V.E. = 2X*

**NOTE: SEAFLOOR IMAGE GENERATED FROM MULTIBEAM BATHYMETRY DATA, SUPPLEMENTED IN AUV SURVEY GAPS WITH THE 3-D DATA SET.**

# ANADARKO PETROLEUM

## SEAFLOOR FEATURES MAP

PROPOSED WELLSITES MC 126 K, KK, L, LL

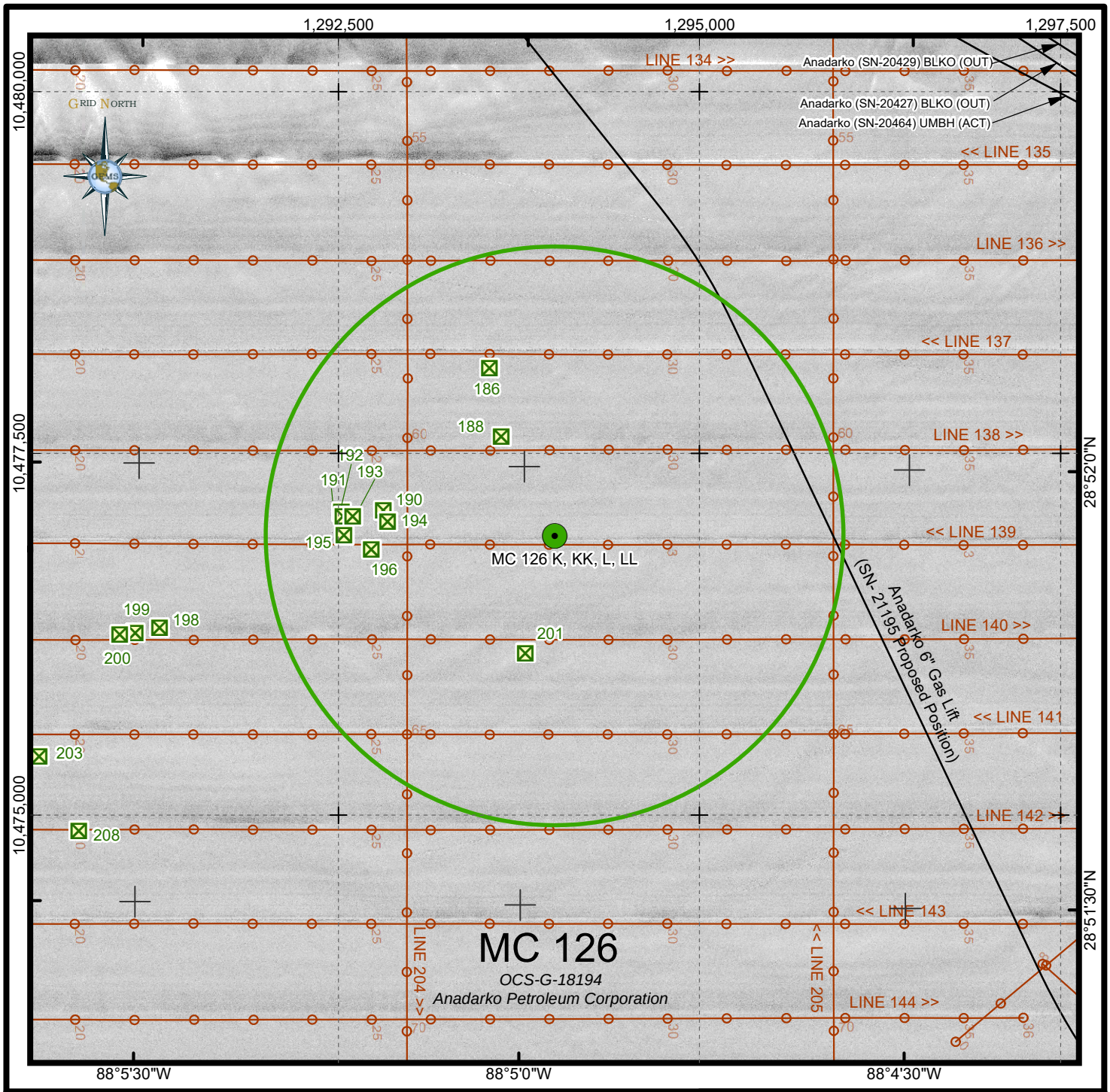
BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF AMERICA

0 500 1,000 2,000 Feet

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

DATE: 9 APRIL 2025
FILE NAME: 3325_Feat_126K.mxd
PROJECT NO.: GHZ3325

MAP No. KL-2




PROPOSED SURFACE LOCATIONS.
CIRCLE REPRESENTS 2,000 FT RADIUS
AROUND PROPOSED WELLSITE.

EXISTING PIPELINE/UMBILICAL/CABLE
LOCATION, AS REPORTED BY BOEM (2025a).
ACCESSED MARCH 2025.

AUV SURVEY TRACKLINES (C&C, 2013).

SIDE-SCAN SONAR TARGET (C&C, 2013).

SSS REFLECTIVITY

Low — High

# ANADARKO PETROLEUM

## SIDE-SCAN SONAR MOSAIC

PROPOSED WELLSITES MC 126 K, KK, L, LL

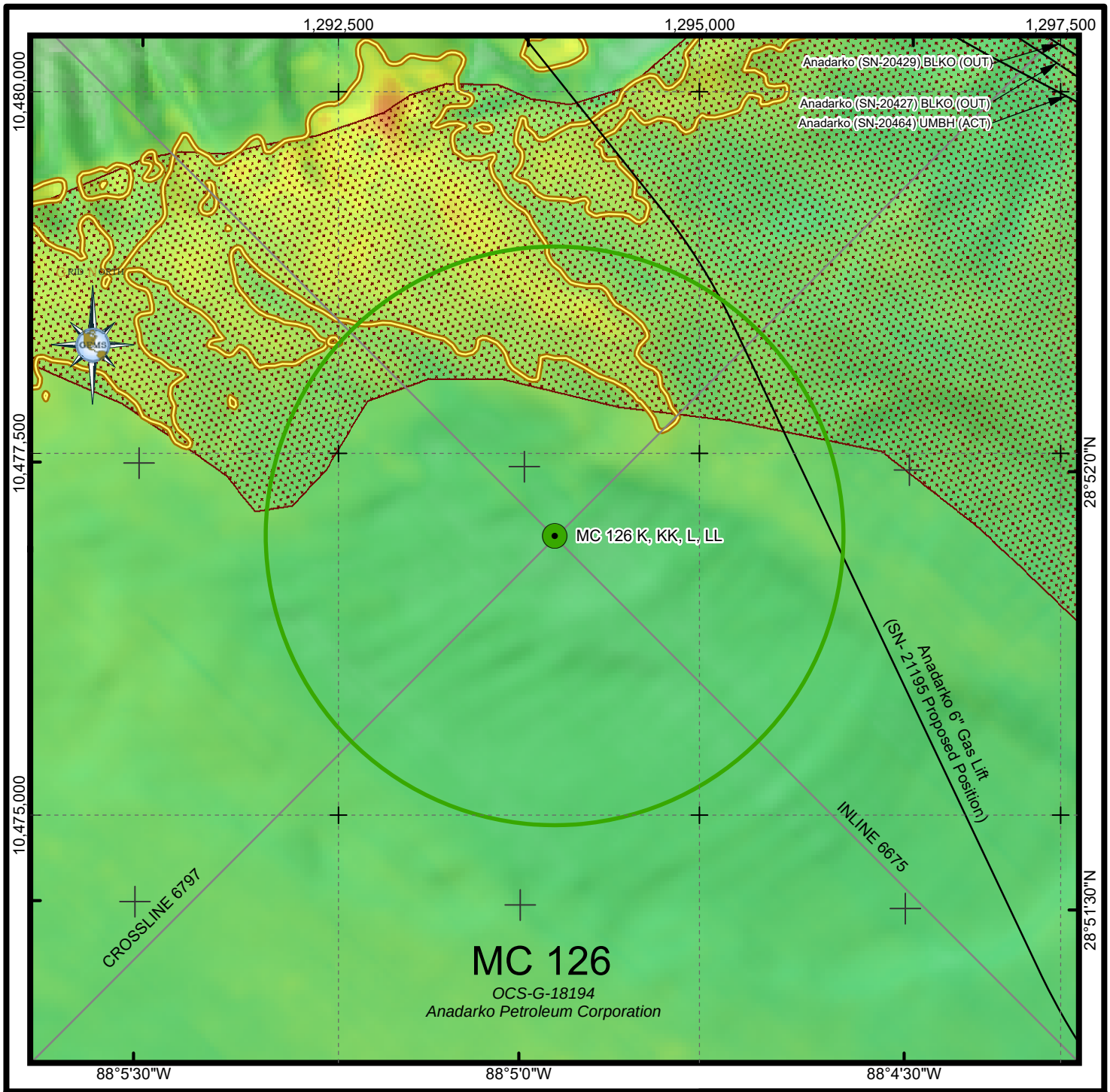
BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF AMERICA

0 500 1,000 2,000 Feet

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

DATE: 9 APRIL 2025
FILE NAME: 3325_03_SSS_126K.mxd
PROJECT NO.: GHZ3325

MAP No. KL-3




PROPOSED SURFACE LOCATIONS. CIRCLE REPRESENTS 2,000 FT RADIUS AROUND PROPOSED WELLSITE.

3D SURVEY LINES.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION, AS REPORTED BY BOEM (2025a). ACCESSED MARCH 2025.

AMPLITUDE ANOMALIES AT THE SEAFLOOR FROM 3D SEISMIC (GEMS, 2013).

AREAS OF SLUMPS, AS REPORTED BY BOEM (2025b). ACCESSED MARCH 2025.

RELATIVE SEAFLOOR AMPLITUDE

High

Low

**NOTE: SEAFLOOR AMPLITUDE IMAGE GENERATED FROM THE 3-D DATA SET.**

# ANADARKO PETROLEUM

## SEAFLOOR AMPLITUDE RENDERING

PROPOSED WELLSITES MC 126 K, KK, L, LL

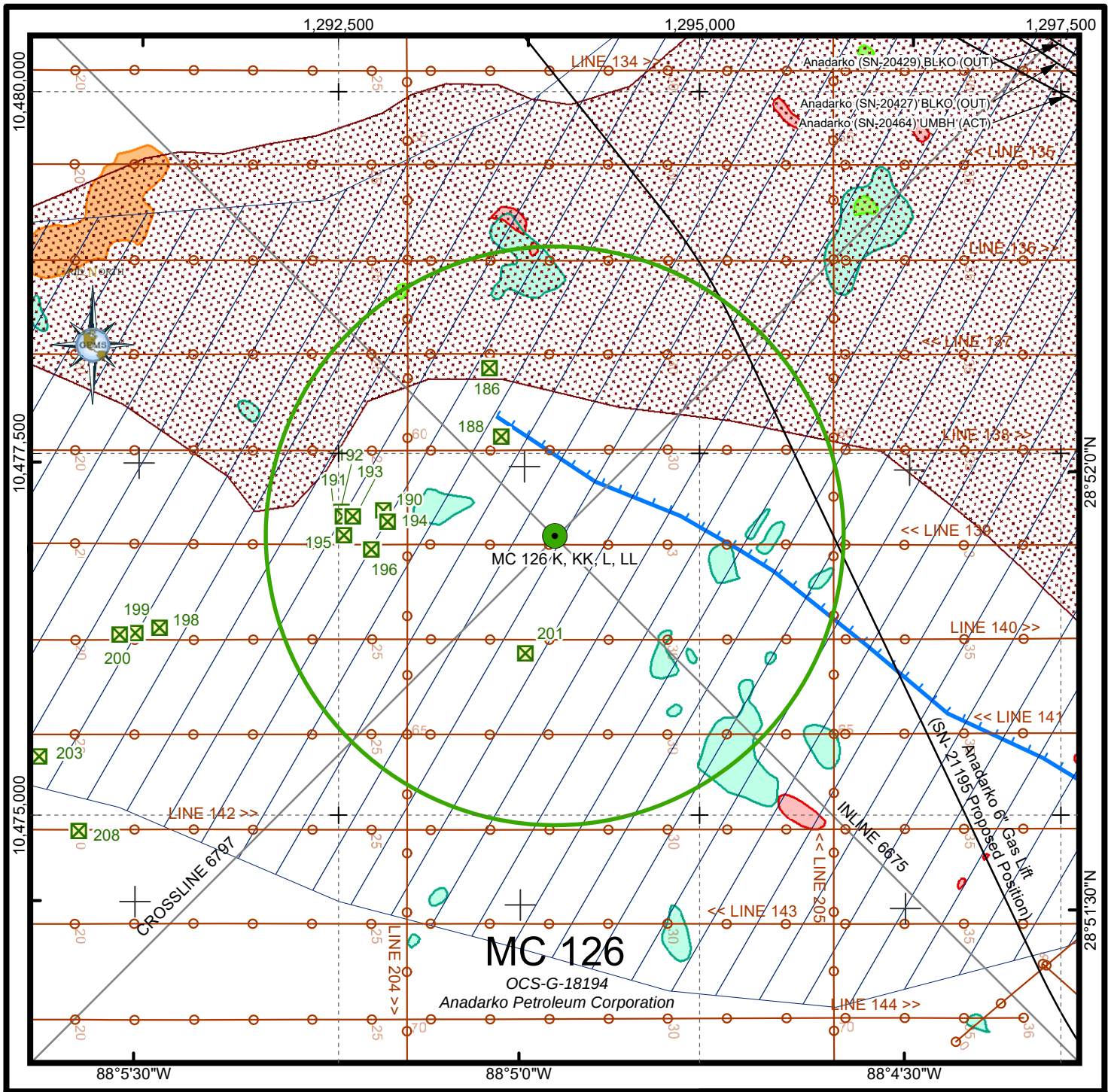
BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF AMERICA

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & GEMS MARINE SERVICES, INC. A Geosyntec Company

DATE: 9 APRIL 2025
FILE NAME: 3325_Amp_126K.mxd
PROJECT NO.: GHZ3325

MAP No. KL-4




PROPOSED SURFACE LOCATIONS. CIRCLE REPRESENTS 2,000 FT RADIUS AROUND PROPOSED WELLSITE.

EXISTING PIPELINE/UMBILICAL/CABLE LOCATION, AS REPORTED BY BOEM (2025a). ACCESSED MARCH 2025.

3D SURVEY LINE

AUV SURVEY TRACKLINES (C&C, 2013).

SIDE-SCAN SONAR TARGET (C&C, 2013).

SEAFLOOR EXPRESSION OF BURIED MASS TRANSPORT DEPOSIT.

BURIED FAULT WITH SEAFLOOR EXPRESSION, TICKS INDICATE DOWNTHROWN SIDE OF THE FAULT.

AREAS OF SLUMPS, AS REPORTED BY BOEM (2025b). ACCESSED MARCH 2025.

AMPLITUDE ANOMALIES BETWEEN HORIZON 20 AND HORIZON 30.

AMPLITUDE ANOMALIES BETWEEN HORIZON 30 AND HORIZON 50.

AMPLITUDE ANOMALIES BETWEEN HORIZON 50 AND LIMIT OF INVESTIGATION.

AMPLITUDE ANOMALIES BETWEEN SEAFLOOR AND LIMIT OF INVESTIGATION.

# ANADARKO PETROLEUM

## GEOLOGIC FEATURES MAP

PROPOSED WELLSITES MC 126 K, KK, L, LL

BLOCK 126
MISSISSIPPI CANYON AREA
GULF OF AMERICA

Feet
0 500 1,000 2,000

GEOSCIENCE EARTH & MARINE SERVICES, INC. (GEMS)
A Geosyntec Company

DATE: 9 APRIL 2025
FILE NAME: 3325_05_Geo_126.mxd
PROJECT NO.: GHZ3325

MAP No. KL-5

GEOSCIENCE EARTH & MARINE SERVICES, INC.
A Geosyntec Company

15810 Park Ten Place, Suite 100
Houston, Texas 77084
832.603.4352
**www.gemsinc.com**

April 9, 2025 Project No.: GHZ3325

Anadarko Petroleum Corporation
1201 Lake Robbins
Houston, TX 77010

Attention: Ms. Rachael Bennett

**Site Clearance Letter,**
**Proposed Wellsites MC 126 M, MM, N and NN**
**Block 126 (OCS-G-18194),**
**Mississippi Canyon Area,**
**Gulf of America**

Anadarko Petroleum Corporation (Anadarko) contracted Geoscience Earth & Marine Services (GEMS), a Geosyntec Company, to provide an assessment of the seafloor and shallow geologic conditions to determine the favorability of drilling operations for Proposed Wellsites MC 126 M, MM, N, and NN whose surface locations are in Block 126 (OCS-G-18194), Mississippi Canyon Area (MC), Gulf of America. This letter addresses specific seafloor and subsurface conditions around the proposed locations to the Limit of Investigation at a depth of 5,100 ft below the mudline (bml).

Seafloor conditions appear favorable within the vicinity of the proposed surface location. There are no potential sites for deepwater benthic communities within 2,000 ft. There is one sonar contact within 2,000 ft of the proposed site, but it is not recommended for archaeological avoidance. Based on seismic characteristics and regional information, there is a Negligible to Low potential for encountering overpressured sands and a Negligible to Low potential for shallow gas within the Limit of Investigation. This letter provides details specific to the well location, including available data, Notice to Lessees (NTL) requirements, man-made features, and wellsite conditions.

## Proposed Well Location

The surface location for the Proposed Wellsites MC 126 M, MM, N and NN lies in the eastern portion of MC 126. Anadarko provided the following coordinates:

**Table-1.** Proposed Location Coordinates

| Proposed Wellsites MC 126 M, MM, N, NN | | | |
|---|---|---|---|
| Spheroid & Datum: Clarke 1866<br>NAD27 Projection: UTM Zone 16 North | | Line Reference | Block Calls<br>(MC 126) |
| X: 1,293,612.64 ft | Latitude: 28° 51' 27.62" N | Inline 6620 | 5,267.36 FEL |
| Y: 10,474,140.48 ft | Longitude: 88° 5' 1.47" W | Crossline 6756 | 3,900.48 FSL |

Anadarko plans to drill this well using a dynamically positioned drilling vessel. Our assessment addresses the seafloor conditions within a 2,000-ft radius around the proposed surface location.

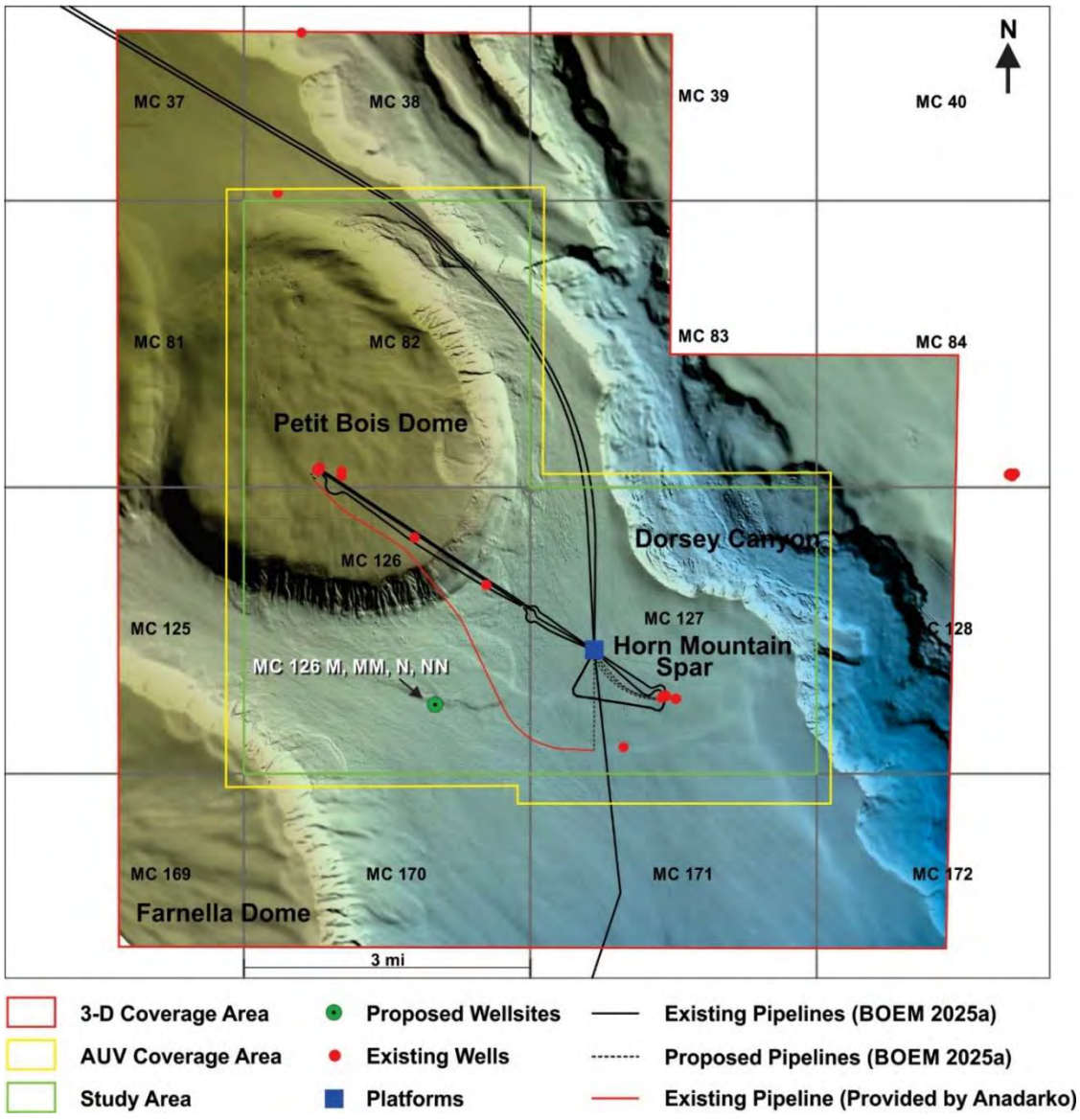



**Figure 1. Seafloor Rendering of the Mississippi Canyon Study Area Showing the Location of the Proposed Wellsites.**

## Available Data

The following discussion is based on the findings provided within the geohazard report "Geologic and Stratigraphic Assessment, Blocks 82, 126, and 127, Mississippi Canyon Area, Gulf of Mexico" (GEMS Project No. 0413-2235) submitted to Plains Exploration and Production Company (PXP) in September 2013. The text, maps, and figures included in the report provide detail on the regional geology of the Study Area. PXP provided an exploration 3-D seismic time volume for the geohazard analysis, covering an approximate 135.5 square-mile "Survey Area" that includes all or portions of Federal lease Blocks MC 37-39, 81-84, 125-128, and 169-172 (Figure 1). Sub-seafloor mapping was limited to an approximate 27 square-mile "Study Area" covering all of GC 82, 126, and 127. PXP also provided high-resolution geophysical data collected by C & C Technologies, Inc., (C & C) in May and June 2013 using an Autonomous Underwater Vehicle (AUV) over the three-block Study Area (Figure 1). These data included 1.5-4.5 kHz subbottom profiler, 230-kHz side-scan sonar, and 3-meter bin multibeam bathymetry data.

## Attachments

Wellsite maps are centered on the proposed common surface location and are displayed at a 1 inch = 1,000 ft scale (1:12,000). The maps included in this letter are as follows:

Map No. MN-1: Bathymetry Map
Map No. MN-2: Seafloor Features Map
Map No. MN-3: Side-Scan Sonar Mosaic
Map No. MN-4: Seafloor Amplitude Rendering
Map No. MN-5: Geologic Features Map

The accompanying illustrations were extracted from the available datasets and are listed below:

Illustration MN-1: Subbottom Profiler Line 143 Showing Near-Surface Conditions Near the Proposed Wellsites. Surface Locations in Mississippi Canyon Area, Block 126.

Illustration MN-2: Portions of Inline 6620 and Crossline 6756 Showing Conditions Beneath the Proposed Wellsites MC 126 M, MM, N, NN. Surface Locations in Mississippi Canyon Area, Block 126.

Illustration MN-3: Tophole Prognosis Chart, Proposed Wellsites, Mississippi Canyon Area, Block 126.

## NTL Requirements

The following report complies with the Bureau of Ocean Energy Management (BOEM) guidelines including: NTL 2008-G04, NTL 2009-G40, and NTL 2022-G01 (MMS, 2008, 2010, BOEM, 2022) with respect to benthic community and shallow hazard assessments. An archeological assessment of the area of potential effect around the proposed surface locations may be required as per NTL 2005-G07 (BOEM, 2020). C & C prepared an archaeological assessment to comply with the Archaeological Resource Surveys and Reports requirements and submitted the report to PXP in August 2013 (C & C, 2013).

As specified in NTL 2022-G01 (BOEM, 2022), GEMS extracted the power spectrum diagram from the 3-D seismic dataset provided at the proposed wellsite (Figure 2). The extraction was generated within a 2,000-ft radius of the intersection of the inline and crossline at the proposed wellsite. The extraction time interval consisted of the seafloor to 1 second (~3,000 ft) bml. We converted the amplitude vs. frequency spectrum, generated by the IHS Kingdom software, to power vs. frequency by squaring the amplitude values as described by J. A. Coffeen, 1978. The frequency bandwidth at 50% power ranges from 32 Hz to 68 Hz.

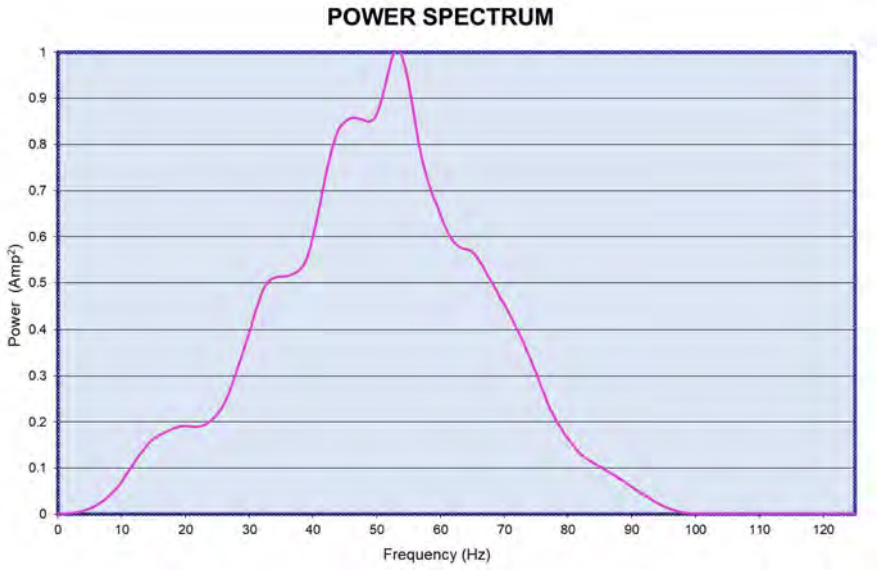



**Figure 2. Power Spectrum Curve, Proposed Wellsites M, MM, N, NN**

## Man-Made Features

The proposed wellsites are located in the Horn Mountain development area. Several wells have previously been drilled near the proposed MC 126 wellsite locations in MC 82, 126, and 127 (Figure 1; BOEM, 2025a).

There are no flowlines or umbilicals within 2,000 ft of the proposed wellsites. The nearest existing infrastructure is the recently constructed northwest-southeast trending Anadarko 6" gas lift pipeline (segment 21195), which is 3,286 ft northeast of the proposed wellsite location (Figure 1 and Map 1). The Anadarko gas lift pipeline, currently listed by BOEM as proposed, was installed in 2024 (Anadarko, personal communication). It extends from the southwest portion of MC 127 to the south portion of MC 82 spanning approximately 22,649 ft. The nearest existing well is the Anadarko MC 126 #1 (G18194), approximately 7,202 ft northeast of the proposed well site. The Horn Mountain Spar platform is approximately 9,335 ft northeast of the proposed wellsite.

## Archaeological Assessment

C & C (2013) conducted an archaeological evaluation across blocks MC 82, MC 126, and MC 127, identifying a total of 224 contacts in the side-scan sonar data within the AUV survey. Of these contacts, 36 are located within block MC 126, with one situated within 2,000 feet of the proposed wellsites (see Table 2 and Maps MN-2, MN-3, and MN-5). The closest contact to the proposed wellsites is Contact #201 located ~1,991 ft to the north.

**Table 2.** Side-Scan Sonar Contacts within 2,000 ft of Proposed Wellsites M, MM, N and NN.

| CONTACT | AREA/BLOCK | LENGTH (FT) | WIDTH (FT) | HEIGHT (FT) | DESCRIPTION | LATITUDE | LONGITUDE | DISTANCE / DIRECTION FROM SITE |
|---|---|---|---|---|---|---|---|---|
| 201 | MC 126 | 6.0' | 3.3' | 0.0' | Irregular | 28° 51' 10.51" | 88° 6' 41.66" | 1,991 ft N |

All Side-Scan Sonar Contacts observed in MC 126 are in a linear debris trail oriented northeast-southwest. According to C&C (2013), the linear distribution of the debris, most interpreted as "potential barrels" on the seafloor, is suggestive of organized dumping or disposal operations. The amount of debris on the seafloor in this region indicates dumping activity. Based on the linear patterns and target dimensions, all the sonar contacts interpreted as "potential barrels" are considered to be associated with a discontinued industrial waste dump area once located southwest of the survey area (C&C, 2013).

No areas are recommended for avoidance on the basis of archaeological potential. However, If any wood, ceramics, textiles or ferrous objects become exposed during the course of bottom disturbing operations, all activities must be halted and BOEM notified within 72 hours.

## Wellsite Conditions

The proposed locations are clear of any constraining geologic seafloor conditions as defined by the AUV-acquired and 3-D seismic datasets. Interbedded sand layers are likely below 520 ft bml, alternating with intervals of clay or silty clay-rich sediments up to the Limit of Investigation (LOI) at 5,100 ft bml.

## Water Depth and Seafloor Conditions

The water depth at the proposed surface locations is -5,333 ft (Map MN-1). The seafloor slopes to the southeast at approximately 1°. The proposed wellsites are located southeast the uplifted bathymetric high of Petit Bois Dome (Figure 1). The seafloor in the vicinity of the proposed surface location is slightly irregular due to a mass transport deposit (MTD) that is buried 92 ft bml indicating a late Pleistocene event. The southern limit of the surficial expression of the MTD is approximately 100 ft northeast the surface location, although the MTD extends further southeast. It creates a northwest-southeast vertical offset of the seabed that locally increases the gradient up to approximately 10°; Illustration MN-1 and Map MN-2. A northwest-southeast lineament resulting from the seafloor

expression of a buried fault, is 740 ft northeast of the wellsites location. It extends for approximately 3,533 ft, characterized by a linear vertical offset on the seafloor of approximately 4 ft high where the gradient increases up to approximately 3°. The seafloor to the southwest of the wellsite is a smooth ~1° southeast slope. An approximate 10-foot surficial drape of soft, high water content silty clays covers the seafloor at the proposed wellsites (Illustration MN-1).

The rugged escarpment forming the flank of Petit Bois Dome lies about 5,174 ft to the north. Although there is evidence of previous slope failure along the steeply sloping escarpment, major slope failure events are not expected at present time. Varying natural and anthropogenic processes can act to reduce stability, but the primary driver is sea level change and its relationship to sediment loading above salt. During present time, sea level is at a high stand and sedimentation rates are low; therefore, the slopes are considered relatively stable over the life of a well.

### Deepwater Benthic Communities

No features or areas were interpreted within 2,000 ft of the proposed locations that are capable of supporting high-density chemosynthetic or other deepwater benthic communities. The side-scan sonar mosaic and seafloor amplitude rendering indicate a homogenous seabed in the vicinity of the proposed locations, suggesting normal Gulf of America-type surficial sediments (Maps MN-3 and MN-4). Additionally, there are no BOEM seabed anomalies located within 2,000 ft of the proposed location (BOEM, 2025b).

### Stratigraphy

The stratigraphy at the proposed well locations is depicted on Illustrations MN-1 through MN-3. The Tophole Prognosis Chart (Illustration MN-3) shows the crossline, annotated with depths to the various horizons and predicted lithology of the sequences, along with their potential for shallow gas and shallow water flow. The seafloor and six horizons (Horizons 10, 20, 30, 35, 40, and 50) were mapped within the Study Area to define seven primary sedimentary sequences.

Unit 1, (Seafloor to Horizon 10). Unit 1 can be observed in detail in the subbottom profiler data, which defines the first approximately 190 ft of section beneath the mudline around the proposed wellsites (Illustration MN-1). The uppermost ~10 ft of sediment at the wellbore is an hemipelagic drape consisting of a soft, high water content clays. Beneath the drape is a 13 ft thick clay-rich MTD (from 10 ft to 23 ft bml) that overlays the top of a thick sequence (from 23 ft to 92 ft bml) of well-layered hemipelagic clays and turbidites composed of clays, silty clays, and silts (Illustration MN-1). Beneath the stratified clay and silts, from 92 ft to 156 ft bml is a MTD 64 ft thick, likely clay-rich but generally will have higher bulk densities and lower water contents compared to layered hemipelagic deposits. The lower part of the MTD, from 137 ft to 156 ft is partially undisturbed and some stratifications can be observed. The eastern limit of the MTD is approximately 600 feet southeast of the wellsite. Beneath the MTD prone interval, between 156 ft and 190 ft bml there is a sequence of low light reflectors that suggest layered sequence of undisturbed silty-clay-rich sediments. The remaining portion of Unit 1 (from 190 ft to 277 ft bml), as defined by the 3-D seismic data, is predominately characterized by semi-continuous to continuous low-amplitude horizons that represent mud-prone MTDs (Illustrations MN-2 and MN-3).

Unit 2 (Horizon 10 to Horizon 20). The seismic interval between Horizons 10 and 20 (277 ft to 520 ft bml) predominately consists of generally layered low-amplitude reflectors, indicative of hemipelagic clays and silty clays interbedded with muddy turbidites.

Unit 3 (Horizon 20 to Horizon 30). The seismic interval between Horizons 20 and 30 (520 ft to 1,168 ft bml) consists of moderate-amplitude reflections at the upper section and low-amplitude reflections at the lower section. The moderate-amplitude interval (from 520 ft to 934 ft bml) predominantly consists of sand layers interbedded with clays and silts, along with thin hemipelagic clays and fine-grained turbidites. Below 934 ft to 1,168 ft bml, layered continuous low-amplitude reflectors represent hemipelagic clays and silts.

Unit 4 (Horizon 30 to Horizon 35). The seismic interval between Horizons 30 and 35 (1,168 ft to 1,521 ft bml) consists of low-amplitude reflections representing continuous stratified clays and silts and fine-grained turbidites comprised of clays and silts with thin interbedded sand layers. The upper section, between 1,168 ft and 1,266 ft bml, exhibits a continuous moderate-amplitude reflector capped with a low-amplitude interval, likely comprising clay-rich MTDs

with possible sand layers. The underlying low-amplitude reflections represent continuous stratified clays and clay-prone turbidites.

Unit 5 (Horizon 35 to Horizon 40). The seismic interval between Horizons 35 and 40 (1,521 ft to 1,772 ft bml) is subdivided in two sections. The upper section between 1,521 ft and 1,640 ft bml consists of moderate to low-amplitude continuous reflections with a moderate inclination. These reflections likely represent continuous layers of turbiditic sands. The interval increases its thickness in the hanging wall of the adjacent normal fault, suggesting that the fault was active during the deposition of this interval. The lower section, between 1,640 ft and 1,772 ft bml consists of low-amplitude hummocky reflections that represent clay-rich MTD overlying an unconformity at Horizon 40.

Unit 6 (Horizon 40 to Horizon 50). The seismic interval between Horizons 40 and 50 (1,772 ft to 2,829 ft bml) mainly consists of discontinuous, hummocky, low-amplitude reflections that represent interbedded clay, silt, and sand layers likely deposited in a slope-fan-channel complex. Unit 6 is topped by a thin section of moderate to high-amplitude continuous reflections subparallel to Horizon 40.

Unit 7 (Horizon 50 to Limit of Investigation). The seismic interval between Horizon 50 and the Limit of Investigation (2,829 ft to 5,100 ft ml) mainly consists of a thick sequence of low to moderate amplitude reflections, ranging from continuous to partially continuous, representing turbidites and MTD intervals containing clays, silts, and sands.

### Faults

Two buried normal faults are observed in the wellsite area, one of which lies approximately 100 ft northeast of the proposed wellbore as measured at its closest point (Illustrations MN-2 and MN-3). However, the wellbore does not intersect any fault in its trajectory. Buried faults appear to be active from the deposition of Unit 5 until the deposition of Unit 1. The maximum apparent offset along the nearest fault plane, observed in crossline 6756 at Horizon 40, measures approximately 40 ft. A second normal fault is located as close as 600 ft northeast of the proposed wellsites (Illustrations MN-2 and MN-3). This fault does not intersect the well trajectory and is draped by approximately 200 ft of hemipelagic clay. Minor faults characterized by low offsets below the resolution of the 3-D dataset may exist within the sedimentary sequence. Engineers should be aware of the potential for lost circulation across fault planes.

### Gas Hydrates, Shallow Gas, and Shallow Water Flow

The likelihood of encountering massive hydrates in the tophole section is generally Negligible. Based on the assessment of the 3-D seismic data in the vicinity of the proposed wellsites, the potential for shallow gas and shallow water flow is Negligible to Low.

*Gas Hydrates*. There is no seismic evidence of a Bottom Simulating Reflector (BSR) indicative of hydrates at and in the immediate vicinity of the planned well, although hydrates are known to exist in the absence of BSRs. Additionally, there is no evidence supporting active venting to the seafloor in the immediate vicinity of the proposed location. Given the absence of a BSR or indications of high-amplitude anomalies along the proposed borehole, we interpret a Negligible potential of encountering significant concentrated gas hydrates. While the presence of naturally occurring hydrates at the planned wellsite is unlikely based on the seismic data, it cannot be completely ruled out, and disseminated gas hydrates could be present in minor amounts. Consideration must be given to the potential for any release of gas at the wellhead to form hydrates in the absence of appropriate mitigation measures.

*Shallow Gas*. There are no acoustic wipe-out zones in the subbottom profiler data or anomalously high amplitudes directly below the proposed wellsites (Illustrations MN-1 to MN-3 and Map MN-5). The Side-Scan Sonar mosaic shows a smooth image with no evidence of hardground. A Negligible potential for accumulations of gas is assessed within Unit 1 (Seafloor to 277 ft bml); Illustration MN-3.

Negligible to Low potentials for shallow gas is assessed for a majority of the remaining stratigraphic sequence to the Limit of Investigation (5,100 ft bml); Illustration MN-3. There are no interpreted high-amplitude anomalies or other direct hydrocarbon indicators directly below or in the immediate vicinity of the proposed wellsite. Sand layers are possible within the shallow section, particularly below Horizon 20, between 520 ft and 934 ft bml. The closest occurrence of a high-amplitude anomaly is approximately 458 ft northwest of the proposed wellsite within the Horizon 35 to Horizon 50 sequence (Map MN-5). The anomaly could represent lithologic variations within the unit

or minor amounts of gas accumulations. No other direct hydrocarbon indicators are associated with the elevated amplitude event. There is a Low potential for encountering shallow gas accumulation below Horizon 40 (1,772 ft bml) to the Limit of Investigation.

*Shallow Water Flow.* The potential for shallow water flow at the proposed well locations is considered Negligible to Low based on the lack of regionally extensive sand-prone complexes in the shallow section, the lack of reported water flow incidents from nearby existing wells and offset well log data. A Low potential for shallow water flow exists from 520 ft to 934 ft bml, 1,168 ft to 1,266 ft bml, 1,521 ft to 1,640 ft bml, and from 1,772 ft bml to the Limit of Investigation. Sand layers are possible within these intervals; however, any fluids encountered are not likely to be significantly overpressured. A Negligible potential for overpressured sands and shallow water flow are assessed for the remaining sediment intervals.

## Results

No existing infrastructure is present in the immediate vicinity of the proposed wellsite. No geologic seafloor hazards or constraints are defined by the available data at the proposed surface locations. No areas with the potential for deepwater benthic communities are identified within 2,000 ft of the proposed wellsites.

One Side-Scan Sonar contact was observed within 2,000 ft of the proposed wellsites, interpreted by C&C (2013) as "potential barrels", but there are no areas recommended for avoidance on the basis of archaeological potential. We recommend a 100-ft hazards avoidance around any mapped contact. Should any potentially historic materials such as textiles, wood, ceramics, or other items be discovered during exploration activities, all operations must cease, and BOEM/BESS be notified within 72 hours.

There is a Negligible to Low potential for encountering overpressured sands and potential shallow water flow within the Limit of Investigation. There is generally a Negligible to Low potential for shallow gas accumulations at the proposed locations.

## Closing

We appreciate the opportunity to be of service to Anadarko and look forward to working with you on future projects.

Sincerely,

**GEOSCIENCE EARTH & MARINE SERVICES,**
**A Geosyntec Company**

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Attachments (5 Maps and 3 Illustrations)

Distribution:
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