

|                                          |                                                                            |                                            |
|------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------|
| <b>Well Name:</b> POKER LAKE UNIT 22 DTD | <b>Well Location:</b> T24S / R30E / SEC 22 / NENE / 32.20969 / -103.862885 | <b>County or Parish/State:</b> EDDY / NM   |
| <b>Well Number:</b> 128H                 | <b>Type of Well:</b> CONVENTIONAL GAS WELL                                 | <b>Allottee or Tribe Name:</b>             |
| <b>Lease Number:</b> NMLC068905          | <b>Unit or CA Name:</b>                                                    | <b>Unit or CA Number:</b>                  |
| <b>US Well Number:</b> 300154986700X1    | <b>Well Status:</b> Drilling Well                                          | <b>Operator:</b> XTO PERMIAN OPERATING LLC |

Notice of Intent

**Sundry ID:** 2779414

**Type of Submission:** Notice of Intent      **Type of Action:** APD Change

**Date Sundry Submitted:** 03/13/2024      **Time Sundry Submitted:** 12:39

**Date proposed operation will begin:** 03/14/2024

**Procedure Description:** John Gilroy, Drilling Engineer-Delaware Basin for XTO Permian Operating, LLC., received verbal permission from Yolanda Jimenez, Engineer with BLM-Carlsbad, on March 12, 2024, to perform an open hole sidetrack on this well. XTO believes an open hole sidetrack is the most prudent operation that will protect the field zone intervals and onsite personnel. While drilling the production lateral at 25895' MD, a twist off occurred on the BHA. Several attempts were made to retrieve the fish – all unsuccessful. The open hole sidetrack will be performed as follows: 1. RIH with sidetrack assembly 2. Orient and begin trouging sequence as per procedure 3. Begin time drilling sequence as per procedure 4. Drill the remaining lateral following the attached well plan All sidetrack operations will occur in the Wolfcamp D/E formation. CURRENT WELL INFORMATION: 7-5/8" intermediate casing set at 11377' and cemented to surface. FIT 15.0 ppg EMW Current TD: 25895' MD Top of fish at 25882.5' MD Length of fish: 12.5' Please note that the rig is still on location. ATTACHMENTS: Well bore diagrams and Updated Directional Well Plan, approval email from Yolanda Jimenez

NOI Attachments

- Procedure Description**
- Verbal\_approval\_\_Yolanda\_Jimenez\_email\_copied\_20240313123909.pdf
  - PLU\_22\_DTD\_128H\_ST01\_Plan\_2\_Well\_Plan\_Rpt\_20240313123250.pdf
  - PLU\_22\_DTD\_128H\_WBS\_\_2\_20240313123237.pdf
  - PLU\_22\_DTD\_128H\_ST01\_WBS\_20240313123225.pdf

|                                          |                                                                            |                                            |
|------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------|
| <b>Well Name:</b> POKER LAKE UNIT 22 DTD | <b>Well Location:</b> T24S / R30E / SEC 22 / NENE / 32.20969 / -103.862885 | <b>County or Parish/State:</b> EDDY / NM   |
| <b>Well Number:</b> 128H                 | <b>Type of Well:</b> CONVENTIONAL GAS WELL                                 | <b>Allottee or Tribe Name:</b>             |
| <b>Lease Number:</b> NMLC068905          | <b>Unit or CA Name:</b>                                                    | <b>Unit or CA Number:</b>                  |
| <b>US Well Number:</b> 300154986700X1    | <b>Well Status:</b> Drilling Well                                          | <b>Operator:</b> XTO PERMIAN OPERATING LLC |

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

|                                                            |                                         |
|------------------------------------------------------------|-----------------------------------------|
| <b>Operator Electronic Signature:</b> RANELL (RUSTY) KLEIN | <b>Signed on:</b> MAR 13, 2024 12:39 PM |
| <b>Name:</b> XTO PERMIAN OPERATING LLC                     |                                         |
| <b>Title:</b> Regulatory Analyst                           |                                         |
| <b>Street Address:</b> 6401 HOLIDAY HILL ROAD BLDG 5       |                                         |
| <b>City:</b> MIDLAND                                       | <b>State:</b> TX                        |
| <b>Phone:</b> (432) 620-6700                               |                                         |
| <b>Email address:</b> RANELL.KLEIN@EXXONMOBIL.COM          |                                         |

Field

|                             |               |             |
|-----------------------------|---------------|-------------|
| <b>Representative Name:</b> |               |             |
| <b>Street Address:</b>      |               |             |
| <b>City:</b>                | <b>State:</b> | <b>Zip:</b> |
| <b>Phone:</b>               |               |             |
| <b>Email address:</b>       |               |             |

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

|                                             |                              |
|---------------------------------------------|------------------------------|
| 5. Lease Serial No.                         |                              |
| 6. If Indian, Allottee or Tribe Name        |                              |
| 7. If Unit of CA/Agreement, Name and/or No. |                              |
| 8. Well Name and No.                        |                              |
| 9. API Well No.                             |                              |
| 10. Field and Pool or Exploratory Area      | 11. Country or Parish, State |

|                                                                                                                       |                                   |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| SUBMIT IN TRIPLICATE - Other instructions on page 2                                                                   |                                   |
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |                                   |
| 2. Name of Operator                                                                                                   |                                   |
| 3a. Address                                                                                                           | 3b. Phone No. (include area code) |
| 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)                                                  |                                   |

|                                                                                      |                                               |                                               |                                                    |                                         |
|--------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-----------------------------------------|
| 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA |                                               |                                               |                                                    |                                         |
| TYPE OF SUBMISSION                                                                   | TYPE OF ACTION                                |                                               |                                                    |                                         |
| <input type="checkbox"/> Notice of Intent                                            | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report                                           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice                                    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
|                                                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |                                         |
|                                                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |                                         |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

|                                                                                   |       |
|-----------------------------------------------------------------------------------|-------|
| 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) | Title |
| Signature                                                                         | Date  |

|                                                                                                                                                                                                                                                           |        |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
| THE SPACE FOR FEDERAL OR STATE OFFICE USE                                                                                                                                                                                                                 |        |      |
| Approved by                                                                                                                                                                                                                                               | Title  | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office |      |

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Additional Remarks

CURRENT WELL INFORMATION:

7-5/8 intermediate casing set at 11377 and cemented to surface. FIT 15.0 ppg EMW

Current TD: 25895 MD

Top of fish at 25882.5 MD

Length of fish: 12.5

Please note that the rig is still on location.

ATTACHMENTS: Well bore diagrams and Updated Directional Well Plan, approval email from Yolanda Jimenez

### Location of Well

0. SHL: NENE / 328 FNL / 806 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.20969 / LONG: -103.862885 ( TVD: 0 feet, MD: 0 feet )

PPP: SENE / 2634 FNL / 407 FEL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.2106 / LONG: -103.861571 ( TVD: 11404 feet, MD: 14428 feet )

PPP: SESE / 0 FNL / 414 FEL / TWSP: 24S / RANGE: 30E / SECTION: 10 / LAT: 32.225096 / LONG: -103.861561 ( TVD: 11404 feet, MD: 17068 feet )

PPP: SESE / 0 FNL / 400 FEL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.209226 / LONG: -103.86157 ( TVD: 11404 feet, MD: 11788 feet )

BHL: LOT 1 / 230 FNL / 400 FEL / TWSP: 24S / RANGE: 30E / SECTION: 3 / LAT: 32.25347 / LONG: -103.861542 ( TVD: 11404 feet, MD: 27313 feet )

Jimenez, Yolanda L <yjimenez@blm.gov> | Gilroy, John P | Bennett, Gabriel K | Waters, Matthew F | Lucht, Jacob | Dunn, Brian K | NABORS X12 JSM | Klein, Ramell JC | Redus, Richard L | Morency, Allison E <amorenycy@blm.gov>  
Re: [EXTERNAL] Request Approval to Open-Hole Sidetrack PLU 22 DTD 12BH (API 30-015-49867)  
Retention Policy: All Other 12 Months (1 year, 1 month) Expires: 4/11/2025

**External Email - Think Before You Click**  
Hello, Mr. John. You all may proceed with the sidetrack for the PLU 22 DTD 12BH (30-015-49867). Within five (5) days, you must submit a notice of intent (NOI) sundry regarding the sidetrack. Please attach a copy of this email that provided permission for the sidetrack. Please verify in the NOI if the rig is still on location.

In the final well completion report / subsequent report, XTO must verify if the sidetrack was completed or not. Thank - you.

Regards,

**Yolanda Jordan Jimenez**  
Petroleum Engineer

BLM Carlsbad Field Office  
620 E. Greene Street  
Carlsbad, NM 88320  
(575) 234-5916 (Office)  
(575) 361-4586 (Cellular)

From: Gilroy, John P <john.p.gilroy@exxonmobil.com>  
Sent: Tuesday, March 12, 2024 3:38 PM  
To: Jimenez, Yolanda L <yjimenez@blm.gov>  
Cc: Waters, Matthew F <mattwaters@exxonmobil.com>; Lucht, Jacob <jacob.lucht@exxonmobil.com>; Dunn, Brian K <brian.k.dunn@exxonmobil.com>; NABORS X12 JSM <NABORSX12@exxonmobil.com>; Klein, Ramell JC <ramell.klein@exxonmobil.com>; Redus, Richard L <rjredus@exxonmobil.com>; Morency, Allison E <amorenycy@blm.gov>  
Subject: [EXTERNAL] Request Approval to Open-Hole Sidetrack PLU 22 DTD 12BH (API 30-015-49867)

**This email has been received from outside of DOI- Use caution before clicking on links, opening attachments, or responding.**

Yolanda,

As discussed over the phone, XTO is requesting permission to perform an low side open hole sidetrack on PLU 22 DTD 12BH (API 30-015-49867). While drilling the production lateral at 25,895 MD, we experienced a twist off on the BHA. We have attempted to retrieve the fish but were unsuccessful. All sidetrack operations will occur in the Wolfcamp D/E formation. Please see attached for Wellbore Schematics and side track well plan.

Current Well Status:  
• 7-5/8" intermediate casing: 11,377' MD  
◦ Cemented to surface  
• 7-5/8" intermediate shoe FIT: 15.0ppg EMW  
• Current Well Depth: 25,895' MD  
• Top of fish: 25,882.5' MD  
• Length of Fish: 12.5'

Plan Forward:  
1. R/W with sidetrack assembly  
2. Orient and begin tripping sequence as per procedure  
3. Begin time drilling sequence as per procedure  
4. Drill remaining lateral following the attached well plan

We believe this to be the most prudent operation that protects the field zone intervals and onsite personnel.

Please reply to this email as approval from BLM to proceed with proposed operations.

Regards,  
John Gilroy IV  
Drilling Engineer - Delaware Basin

# ROC

PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME)  
(X12) - PLU 22 DTD, Pad D - PLANS  
PLU 22 DTD 128H

ST01

Plan: Plan 2

## Standard Planning Report

12 March, 2024

ExxonMobil

Planning Report

|           |                                                    |                             |                           |
|-----------|----------------------------------------------------|-----------------------------|---------------------------|
| Database: | LMRKPROD3                                          | Local Co-ordinate Reference | Well PLU 22 DTD 128H      |
| Company:  | ROC                                                | TVD Reference:              | RKB33' @ 3463.0usft (X12) |
| Project:  | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME) | MD Reference:               | RKB33' @ 3463.0usft (X12) |
| Site:     | (X12) - PLU 22 DTD, Pad D - PLANS                  | North Reference:            | Grid                      |
| Well:     | PLU 22 DTD 128H                                    | Survey Calculation Method:  | Minimum Curvature         |
| Wellbore: | ST01                                               |                             |                           |
| Design:   | Plan 2                                             |                             |                           |

|             |                                                                       |               |                |
|-------------|-----------------------------------------------------------------------|---------------|----------------|
| Project     | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME), ROCPOD3 ROC POD 2 |               |                |
| Map System: | US State Plane 1927 (Exact solution)                                  | System Datum: | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)                                               |               |                |
| Map Zone:   | New Mexico East 3001                                                  |               |                |

|                       |                                   |              |                   |
|-----------------------|-----------------------------------|--------------|-------------------|
| Site                  | (X12) - PLU 22 DTD, Pad D - PLANS |              |                   |
| Site Position:        |                                   | Northing:    | 440,563.50 usft   |
| From:                 | Map                               | Easting:     | 643,130.90 usft   |
| Position Uncertainty: | 0.0 usft                          | Slot Radius: | 13-3/16 "         |
|                       |                                   | Latitude:    | 32° 12' 37.365 N  |
|                       |                                   | Longitude:   | 103° 52' 13.999 W |

|                      |                 |          |                     |
|----------------------|-----------------|----------|---------------------|
| Well                 | PLU 22 DTD 128H |          |                     |
| Well Position        | +N/-S           | 0.0 usft | Northing:           |
|                      | +E/-W           | 0.0 usft | Easting:            |
| Position Uncertainty |                 | 0.0 usft | Wellhead Elevation: |
| Grid Convergence:    |                 | 0.25 °   |                     |
|                      |                 |          | Latitude:           |
|                      |                 |          | Longitude:          |
|                      |                 |          | Ground Level:       |

|           |            |             |                |
|-----------|------------|-------------|----------------|
| Wellbore  | ST01       |             |                |
| Magnetics | Model Name | Sample Date | Declination    |
|           |            |             | (°)            |
|           | IGRF2020   | 3/11/2024   | 6.36           |
|           |            |             | Dip Angle      |
|           |            |             | (°)            |
|           |            |             | Field Strength |
|           |            |             | (nT)           |

|                   |                  |        |               |
|-------------------|------------------|--------|---------------|
| Design            | Plan 2           |        |               |
| Audit Notes:      |                  |        |               |
| Version:          | Phase:           | PLAN   | Tie On Depth: |
|                   |                  |        | 25,479.0      |
| Vertical Section: | Depth From (TVD) | +N/-S  | +E/-W         |
|                   | (usft)           | (usft) | (usft)        |
|                   | 0.0              | 0.0    | 0.0           |
|                   |                  |        | Direction     |
|                   |                  |        | (°)           |

|                          |          |                        |                            |         |
|--------------------------|----------|------------------------|----------------------------|---------|
| Plan Survey Tool Program | Date     | 3/12/2024              |                            |         |
| Depth From               | Depth To | Survey (Wellbore)      | Tool Name                  | Remarks |
| (usft)                   | (usft)   |                        |                            |         |
| 1                        | 25,479.0 | 27,714.8 Plan 2 (ST01) | XOMR2_OWSG MWD+IFR1+       |         |
|                          |          |                        | OWSG MWD + IFR1 + Multi-St |         |



ExxonMobil

Planning Report

|           |                                                    |                             |                           |
|-----------|----------------------------------------------------|-----------------------------|---------------------------|
| Database: | LMRKPROD3                                          | Local Co-ordinate Reference | Well PLU 22 DTD 128H      |
| Company:  | ROC                                                | TVD Reference:              | RKB33' @ 3463.0usft (X12) |
| Project:  | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME) | MD Reference:               | RKB33' @ 3463.0usft (X12) |
| Site:     | (X12) - PLU 22 DTD, Pad D - PLANS                  | North Reference:            | Grid                      |
| Well:     | PLU 22 DTD 128H                                    | Survey Calculation Method:  | Minimum Curvature         |
| Wellbore: | ST01                                               |                             |                           |
| Design:   | Plan 2                                             |                             |                           |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                    |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target             |
| 25,479.0              | 88.39           | 359.12      | 12,178.9              | 13,694.6     | 384.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 25,550.0              | 89.66           | 357.64      | 12,180.1              | 13,765.6     | 382.0        | 2.75                    | 1.79                   | -2.08                 | -49.38  |                    |
| 25,560.0              | 88.87           | 357.78      | 12,180.3              | 13,775.5     | 381.6        | 8.00                    | -7.88                  | 1.39                  | 170.00  |                    |
| 25,570.0              | 88.08           | 357.92      | 12,180.5              | 13,785.5     | 381.2        | 8.00                    | -7.88                  | 1.39                  | 170.00  |                    |
| 25,578.0              | 87.48           | 358.14      | 12,180.8              | 13,793.5     | 381.0        | 8.00                    | -7.52                  | 2.74                  | 160.00  |                    |
| 25,583.0              | 87.18           | 358.39      | 12,181.1              | 13,798.5     | 380.8        | 8.00                    | -6.13                  | 5.15                  | 140.00  |                    |
| 25,598.0              | 86.26           | 359.17      | 12,181.9              | 13,813.5     | 380.5        | 8.00                    | -6.13                  | 5.15                  | 140.00  |                    |
| 25,698.0              | 86.26           | 359.17      | 12,188.5              | 13,913.3     | 379.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 25,758.4              | 86.00           | 4.00        | 12,192.5              | 13,973.4     | 380.7        | 8.00                    | -0.43                  | 8.01                  | 93.22   |                    |
| 25,981.7              | 88.00           | 360.00      | 12,204.2              | 14,196.3     | 388.5        | 2.00                    | 0.90                   | -1.79                 | -63.52  |                    |
| 26,244.0              | 93.00           | 358.41      | 12,201.9              | 14,458.5     | 384.8        | 2.00                    | 1.91                   | -0.61                 | -17.64  |                    |
| 26,913.0              | 93.00           | 358.41      | 12,166.9              | 15,126.3     | 366.3        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 27,063.0              | 90.00           | 358.40      | 12,163.0              | 15,276.2     | 362.1        | 2.00                    | -2.00                  | -0.01                 | -179.78 |                    |
| 27,614.9              | 90.00           | 358.40      | 12,163.0              | 15,827.8     | 346.7        | 0.00                    | 0.00                   | 0.00                  | 0.00    | LTP PLU 22 DTD 128 |
| 27,714.9              | 90.00           | 358.40      | 12,163.0              | 15,927.8     | 343.9        | 0.00                    | 0.00                   | 0.00                  | 0.00    | BHL PLU 22 DTD 128 |

## ExxonMobil

## Planning Report

|                  |                                                    |                                    |                           |
|------------------|----------------------------------------------------|------------------------------------|---------------------------|
| <b>Database:</b> | LMRKPROD3                                          | <b>Local Co-ordinate Reference</b> | Well PLU 22 DTD 128H      |
| <b>Company:</b>  | ROC                                                | <b>TVD Reference:</b>              | RKB33' @ 3463.0usft (X12) |
| <b>Project:</b>  | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME) | <b>MD Reference:</b>               | RKB33' @ 3463.0usft (X12) |
| <b>Site:</b>     | (X12) - PLU 22 DTD, Pad D - PLANS                  | <b>North Reference:</b>            | Grid                      |
| <b>Well:</b>     | PLU 22 DTD 128H                                    | <b>Survey Calculation Method:</b>  | Minimum Curvature         |
| <b>Wellbore:</b> | ST01                                               |                                    |                           |
| <b>Design:</b>   | Plan 2                                             |                                    |                           |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 196.0                 | 0.07            | 89.87       | 196.0                 | 0.0          | 0.1          | 0.0                     | 0.04                    | 0.04                   | 0.00                  |
| 287.0                 | 0.21            | 53.96       | 287.0                 | 0.1          | 0.3          | 0.1                     | 0.17                    | 0.15                   | -39.46                |
| 385.0                 | 0.30            | 16.55       | 385.0                 | 0.5          | 0.5          | 0.4                     | 0.19                    | 0.09                   | -38.17                |
| 479.0                 | 0.41            | 347.75      | 479.0                 | 1.0          | 0.5          | 1.0                     | 0.22                    | 0.12                   | -30.64                |
| 573.0                 | 0.65            | 335.61      | 573.0                 | 1.8          | 0.2          | 1.8                     | 0.28                    | 0.26                   | -12.91                |
| 668.0                 | 0.76            | 4.68        | 668.0                 | 2.9          | 0.1          | 2.9                     | 0.39                    | 0.12                   | 30.60                 |
| 763.0                 | 3.50            | 11.01       | 762.9                 | 6.4          | 0.7          | 6.4                     | 2.89                    | 2.88                   | 6.66                  |
| 857.0                 | 3.84            | 19.46       | 856.7                 | 12.2         | 2.3          | 12.2                    | 0.68                    | 0.36                   | 8.99                  |
| 923.0                 | 2.78            | 50.37       | 922.6                 | 15.3         | 4.2          | 15.3                    | 3.09                    | -1.61                  | 46.83                 |
| 1,099.0               | 3.64            | 65.22       | 1,098.3               | 20.4         | 12.6         | 20.3                    | 0.68                    | 0.49                   | 8.44                  |
| 1,146.0               | 3.69            | 74.39       | 1,145.2               | 21.4         | 15.4         | 21.4                    | 1.25                    | 0.11                   | 19.51                 |
| 1,241.0               | 3.87            | 80.13       | 1,240.0               | 22.8         | 21.5         | 22.7                    | 0.44                    | 0.19                   | 6.04                  |
| 1,336.0               | 3.73            | 81.68       | 1,334.8               | 23.8         | 27.7         | 23.7                    | 0.18                    | -0.15                  | 1.63                  |
| 1,431.0               | 3.68            | 87.12       | 1,429.6               | 24.4         | 33.8         | 24.3                    | 0.37                    | -0.05                  | 5.73                  |
| 1,526.0               | 5.10            | 91.81       | 1,524.3               | 24.4         | 41.1         | 24.2                    | 1.54                    | 1.49                   | 4.94                  |
| 1,621.0               | 6.11            | 91.08       | 1,618.9               | 24.2         | 50.4         | 24.0                    | 1.07                    | 1.06                   | -0.77                 |
| 1,716.0               | 5.21            | 87.63       | 1,713.4               | 24.3         | 59.7         | 24.0                    | 1.01                    | -0.95                  | -3.63                 |
| 1,810.0               | 6.14            | 74.70       | 1,807.0               | 25.8         | 68.8         | 25.5                    | 1.68                    | 0.99                   | -13.76                |
| 1,906.0               | 8.08            | 71.75       | 1,902.2               | 29.2         | 80.2         | 28.9                    | 2.06                    | 2.02                   | -3.07                 |
| 2,000.0               | 9.96            | 71.46       | 1,995.1               | 33.9         | 94.2         | 33.5                    | 2.00                    | 2.00                   | -0.31                 |
| 2,095.0               | 10.27           | 70.72       | 2,088.6               | 39.3         | 110.0        | 38.9                    | 0.35                    | 0.33                   | -0.78                 |
| 2,190.0               | 9.37            | 83.51       | 2,182.2               | 43.0         | 125.7        | 42.5                    | 2.48                    | -0.95                  | 13.46                 |
| 2,285.0               | 8.09            | 83.85       | 2,276.1               | 44.5         | 140.0        | 44.0                    | 1.35                    | -1.35                  | 0.36                  |
| 2,380.0               | 6.85            | 87.46       | 2,370.3               | 45.5         | 152.3        | 45.0                    | 1.39                    | -1.31                  | 3.80                  |
| 2,475.0               | 6.82            | 93.11       | 2,464.6               | 45.5         | 163.6        | 44.9                    | 0.71                    | -0.03                  | 5.95                  |
| 2,570.0               | 8.32            | 97.26       | 2,558.8               | 44.3         | 176.0        | 43.6                    | 1.68                    | 1.58                   | 4.37                  |
| 2,665.0               | 10.97           | 94.79       | 2,652.4               | 42.7         | 191.9        | 42.0                    | 2.82                    | 2.79                   | -2.60                 |
| 2,760.0               | 11.85           | 87.08       | 2,745.6               | 42.4         | 210.6        | 41.6                    | 1.85                    | 0.93                   | -8.12                 |
| 2,854.0               | 11.22           | 85.21       | 2,837.7               | 43.7         | 229.4        | 42.8                    | 0.78                    | -0.67                  | -1.99                 |
| 2,949.0               | 9.46            | 72.03       | 2,931.1               | 46.8         | 246.0        | 45.9                    | 3.09                    | -1.85                  | -13.87                |
| 3,044.0               | 8.88            | 69.26       | 3,024.9               | 51.8         | 260.3        | 50.9                    | 0.77                    | -0.61                  | -2.92                 |
| 3,138.0               | 8.11            | 67.72       | 3,117.9               | 56.9         | 273.2        | 55.9                    | 0.85                    | -0.82                  | -1.64                 |
| 3,328.0               | 9.37            | 86.04       | 3,305.7               | 63.1         | 301.0        | 62.0                    | 1.60                    | 0.66                   | 9.64                  |
| 3,423.0               | 10.11           | 91.49       | 3,399.3               | 63.4         | 317.1        | 62.2                    | 1.24                    | 0.78                   | 5.74                  |
| 3,518.0               | 9.66            | 94.68       | 3,492.9               | 62.5         | 333.4        | 61.3                    | 0.75                    | -0.47                  | 3.36                  |
| 3,613.0               | 10.56           | 105.74      | 3,586.5               | 59.5         | 349.7        | 58.2                    | 2.25                    | 0.95                   | 11.64                 |
| 3,708.0               | 11.63           | 104.72      | 3,679.7               | 54.7         | 367.3        | 53.4                    | 1.15                    | 1.13                   | -1.07                 |
| 3,803.0               | 10.51           | 110.18      | 3,772.9               | 49.3         | 384.7        | 47.9                    | 1.61                    | -1.18                  | 5.75                  |
| 3,898.0               | 8.59            | 91.40       | 3,866.6               | 46.1         | 400.0        | 44.7                    | 3.83                    | -2.02                  | -19.77                |
| 3,992.0               | 6.94            | 63.66       | 3,959.8               | 48.5         | 412.1        | 47.0                    | 4.30                    | -1.76                  | -29.51                |
| 4,087.0               | 6.20            | 64.82       | 4,054.2               | 53.2         | 421.9        | 51.7                    | 0.79                    | -0.78                  | 1.22                  |
| 4,182.0               | 6.67            | 63.30       | 4,148.6               | 57.9         | 431.4        | 56.3                    | 0.53                    | 0.49                   | -1.60                 |
| 4,277.0               | 6.52            | 42.49       | 4,243.0               | 64.3         | 440.0        | 62.7                    | 2.51                    | -0.16                  | -21.91                |
| 4,372.0               | 7.17            | 38.61       | 4,337.3               | 72.9         | 447.4        | 71.3                    | 0.84                    | 0.68                   | -4.08                 |
| 4,466.0               | 7.45            | 38.92       | 4,430.5               | 82.3         | 454.8        | 80.6                    | 0.30                    | 0.30                   | 0.33                  |
| 4,561.0               | 5.06            | 17.22       | 4,525.0               | 91.1         | 460.0        | 89.4                    | 3.50                    | -2.52                  | -22.84                |
| 4,656.0               | 3.47            | 344.70      | 4,619.7               | 97.8         | 460.4        | 96.2                    | 2.98                    | -1.67                  | -34.23                |
| 4,751.0               | 3.98            | 347.93      | 4,714.5               | 103.8        | 459.0        | 102.2                   | 0.58                    | 0.54                   | 3.40                  |
| 4,845.0               | 4.26            | 347.42      | 4,808.3               | 110.4        | 457.5        | 108.8                   | 0.30                    | 0.30                   | -0.54                 |
| 4,940.0               | 2.88            | 310.96      | 4,903.1               | 115.4        | 455.0        | 113.8                   | 2.73                    | -1.45                  | -38.38                |
| 5,035.0               | 1.99            | 248.61      | 4,998.0               | 116.4        | 451.6        | 114.8                   | 2.77                    | -0.94                  | -65.63                |

## ExxonMobil

## Planning Report

|                  |                                                    |                                    |                           |
|------------------|----------------------------------------------------|------------------------------------|---------------------------|
| <b>Database:</b> | LMRKPROD3                                          | <b>Local Co-ordinate Reference</b> | Well PLU 22 DTD 128H      |
| <b>Company:</b>  | ROC                                                | <b>TVD Reference:</b>              | RKB33' @ 3463.0usft (X12) |
| <b>Project:</b>  | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME) | <b>MD Reference:</b>               | RKB33' @ 3463.0usft (X12) |
| <b>Site:</b>     | (X12) - PLU 22 DTD, Pad D - PLANS                  | <b>North Reference:</b>            | Grid                      |
| <b>Well:</b>     | PLU 22 DTD 128H                                    | <b>Survey Calculation Method:</b>  | Minimum Curvature         |
| <b>Wellbore:</b> | ST01                                               |                                    |                           |
| <b>Design:</b>   | Plan 2                                             |                                    |                           |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,130.0               | 1.96            | 255.20      | 5,093.0               | 115.4        | 448.5        | 113.7                   | 0.24                    | -0.03                  | 6.94                  |
| 5,224.0               | 1.81            | 255.37      | 5,186.9               | 114.6        | 445.5        | 113.0                   | 0.16                    | -0.16                  | 0.18                  |
| 5,319.0               | 1.68            | 247.37      | 5,281.9               | 113.7        | 442.8        | 112.1                   | 0.29                    | -0.14                  | -8.42                 |
| 5,509.0               | 1.11            | 103.31      | 5,471.8               | 112.2        | 442.0        | 110.6                   | 1.40                    | -0.30                  | -75.82                |
| 5,604.0               | 1.37            | 95.68       | 5,566.8               | 111.9        | 444.0        | 110.2                   | 0.32                    | 0.27                   | -8.03                 |
| 5,698.0               | 1.13            | 88.01       | 5,660.8               | 111.8        | 446.1        | 110.2                   | 0.31                    | -0.26                  | -8.16                 |
| 5,793.0               | 1.06            | 94.20       | 5,755.8               | 111.8        | 447.9        | 110.1                   | 0.14                    | -0.07                  | 6.52                  |
| 5,888.0               | 1.36            | 100.16      | 5,850.8               | 111.5        | 449.9        | 109.8                   | 0.34                    | 0.32                   | 6.27                  |
| 5,983.0               | 1.64            | 103.85      | 5,945.7               | 111.0        | 452.3        | 109.3                   | 0.31                    | 0.29                   | 3.88                  |
| 6,078.0               | 1.65            | 111.28      | 6,040.7               | 110.2        | 454.9        | 108.5                   | 0.22                    | 0.01                   | 7.82                  |
| 6,172.0               | 1.98            | 113.19      | 6,134.6               | 109.0        | 457.7        | 107.3                   | 0.36                    | 0.35                   | 2.03                  |
| 6,267.0               | 1.94            | 116.32      | 6,229.6               | 107.7        | 460.6        | 106.0                   | 0.12                    | -0.04                  | 3.29                  |
| 6,362.0               | 2.04            | 124.91      | 6,324.5               | 106.0        | 463.4        | 104.3                   | 0.33                    | 0.11                   | 9.04                  |
| 6,457.0               | 0.98            | 196.33      | 6,419.5               | 104.2        | 464.6        | 102.5                   | 2.06                    | -1.12                  | 75.18                 |
| 6,551.0               | 1.01            | 178.25      | 6,513.5               | 102.6        | 464.4        | 100.9                   | 0.33                    | 0.03                   | -19.23                |
| 6,646.0               | 1.00            | 213.07      | 6,608.5               | 101.1        | 464.0        | 99.4                    | 0.63                    | -0.01                  | 36.65                 |
| 6,835.0               | 1.04            | 223.24      | 6,797.4               | 98.5         | 461.9        | 96.8                    | 0.10                    | 0.02                   | 5.38                  |
| 6,930.0               | 1.36            | 219.84      | 6,892.4               | 97.0         | 460.6        | 95.3                    | 0.34                    | 0.34                   | -3.58                 |
| 7,025.0               | 1.48            | 213.82      | 6,987.4               | 95.1         | 459.2        | 93.4                    | 0.20                    | 0.13                   | -6.34                 |
| 7,120.0               | 1.15            | 214.77      | 7,082.4               | 93.3         | 458.0        | 91.6                    | 0.35                    | -0.35                  | 1.00                  |
| 7,215.0               | 1.17            | 207.76      | 7,177.3               | 91.6         | 457.0        | 90.0                    | 0.15                    | 0.02                   | -7.38                 |
| 7,310.0               | 1.33            | 217.59      | 7,272.3               | 89.9         | 455.8        | 88.2                    | 0.28                    | 0.17                   | 10.35                 |
| 7,404.0               | 1.33            | 215.09      | 7,366.3               | 88.2         | 454.5        | 86.5                    | 0.06                    | 0.00                   | -2.66                 |
| 7,499.0               | 1.43            | 211.93      | 7,461.3               | 86.3         | 453.3        | 84.6                    | 0.13                    | 0.11                   | -3.33                 |
| 7,687.0               | 1.14            | 207.40      | 7,649.2               | 82.6         | 451.2        | 80.9                    | 0.16                    | -0.15                  | -2.41                 |
| 7,878.0               | 1.42            | 199.09      | 7,840.2               | 78.7         | 449.5        | 77.0                    | 0.18                    | 0.15                   | -4.35                 |
| 8,068.0               | 0.61            | 186.81      | 8,030.1               | 75.4         | 448.6        | 73.8                    | 0.44                    | -0.43                  | -6.46                 |
| 8,258.0               | 0.72            | 142.53      | 8,220.1               | 73.5         | 449.3        | 71.8                    | 0.27                    | 0.06                   | -23.31                |
| 8,448.0               | 0.63            | 126.02      | 8,410.1               | 71.9         | 450.8        | 70.3                    | 0.11                    | -0.05                  | -8.69                 |
| 8,543.0               | 0.26            | 24.06       | 8,505.1               | 71.8         | 451.3        | 70.2                    | 0.77                    | -0.39                  | -107.33               |
| 8,637.0               | 0.54            | 11.89       | 8,599.1               | 72.5         | 451.5        | 70.8                    | 0.31                    | 0.30                   | -12.95                |
| 8,827.0               | 0.70            | 130.30      | 8,789.1               | 72.6         | 452.6        | 70.9                    | 0.56                    | 0.08                   | 62.32                 |
| 9,017.0               | 1.32            | 162.89      | 8,979.1               | 69.7         | 454.1        | 68.1                    | 0.43                    | 0.33                   | 17.15                 |
| 9,207.0               | 1.30            | 167.14      | 9,169.0               | 65.5         | 455.2        | 63.9                    | 0.05                    | -0.01                  | 2.24                  |
| 9,397.0               | 2.15            | 264.27      | 9,359.0               | 63.1         | 452.2        | 61.4                    | 1.39                    | 0.45                   | 51.12                 |
| 9,492.0               | 2.06            | 278.26      | 9,453.9               | 63.2         | 448.7        | 61.5                    | 0.55                    | -0.09                  | 14.73                 |
| 9,587.0               | 1.43            | 294.07      | 9,548.9               | 63.9         | 445.9        | 62.2                    | 0.83                    | -0.66                  | 16.64                 |
| 9,776.0               | 1.34            | 37.78       | 9,737.8               | 66.6         | 445.1        | 65.0                    | 1.15                    | -0.05                  | 54.87                 |
| 9,966.0               | 2.55            | 47.97       | 9,927.7               | 71.2         | 449.6        | 69.5                    | 0.66                    | 0.64                   | 5.36                  |
| 10,061.0              | 2.29            | 49.81       | 10,022.6              | 73.8         | 452.7        | 72.2                    | 0.29                    | -0.27                  | 1.94                  |
| 10,156.0              | 2.15            | 57.48       | 10,117.6              | 76.0         | 455.6        | 74.3                    | 0.35                    | -0.15                  | 8.07                  |
| 10,251.0              | 0.74            | 159.69      | 10,212.5              | 76.4         | 457.3        | 74.7                    | 2.54                    | -1.48                  | 107.59                |
| 10,441.0              | 0.96            | 203.02      | 10,402.5              | 73.8         | 457.1        | 72.1                    | 0.35                    | 0.12                   | 22.81                 |
| 10,536.0              | 1.02            | 199.98      | 10,497.5              | 72.2         | 456.5        | 70.6                    | 0.08                    | 0.06                   | -3.20                 |
| 10,631.0              | 1.50            | 239.82      | 10,592.5              | 70.8         | 455.2        | 69.1                    | 1.02                    | 0.51                   | 41.94                 |
| 10,725.0              | 2.16            | 241.33      | 10,686.4              | 69.3         | 452.5        | 67.7                    | 0.70                    | 0.70                   | 1.61                  |
| 10,819.0              | 2.35            | 241.10      | 10,780.4              | 67.6         | 449.3        | 65.9                    | 0.20                    | 0.20                   | -0.24                 |
| 10,912.0              | 2.38            | 236.81      | 10,873.3              | 65.6         | 446.0        | 64.0                    | 0.19                    | 0.03                   | -4.61                 |
| 11,007.0              | 2.28            | 242.27      | 10,968.2              | 63.6         | 442.7        | 62.0                    | 0.26                    | -0.11                  | 5.75                  |
| 11,102.0              | 2.19            | 241.50      | 11,063.1              | 61.9         | 439.4        | 60.3                    | 0.10                    | -0.09                  | -0.81                 |
| 11,291.0              | 2.07            | 226.83      | 11,252.0              | 57.8         | 433.8        | 56.2                    | 0.29                    | -0.06                  | -7.76                 |
| 11,327.0              | 1.89            | 230.92      | 11,288.0              | 57.0         | 432.8        | 55.4                    | 0.64                    | -0.50                  | 11.36                 |

## ExxonMobil

## Planning Report

|                  |                                                    |                                    |                           |
|------------------|----------------------------------------------------|------------------------------------|---------------------------|
| <b>Database:</b> | LMRKPROD3                                          | <b>Local Co-ordinate Reference</b> | Well PLU 22 DTD 128H      |
| <b>Company:</b>  | ROC                                                | <b>TVD Reference:</b>              | RKB33' @ 3463.0usft (X12) |
| <b>Project:</b>  | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME) | <b>MD Reference:</b>               | RKB33' @ 3463.0usft (X12) |
| <b>Site:</b>     | (X12) - PLU 22 DTD, Pad D - PLANS                  | <b>North Reference:</b>            | Grid                      |
| <b>Well:</b>     | PLU 22 DTD 128H                                    | <b>Survey Calculation Method:</b>  | Minimum Curvature         |
| <b>Wellbore:</b> | ST01                                               |                                    |                           |
| <b>Design:</b>   | Plan 2                                             |                                    |                           |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,497.0              | 6.37            | 318.83      | 11,457.6              | 62.3         | 424.4        | 60.8                    | 3.87                    | 2.64                   | 51.71                 |
| 11,591.0              | 17.59           | 333.53      | 11,549.4              | 79.0         | 414.6        | 77.5                    | 12.28                   | 11.94                  | 15.64                 |
| 11,685.0              | 28.27           | 339.47      | 11,635.9              | 112.7        | 400.5        | 111.2                   | 11.61                   | 11.36                  | 6.32                  |
| 11,779.0              | 33.50           | 343.47      | 11,716.5              | 158.5        | 385.3        | 157.0                   | 5.97                    | 5.56                   | 4.26                  |
| 11,874.0              | 37.92           | 349.83      | 11,793.7              | 212.4        | 372.6        | 211.0                   | 6.07                    | 4.65                   | 6.69                  |
| 11,969.0              | 41.70           | 357.19      | 11,866.7              | 272.7        | 365.9        | 271.4                   | 6.35                    | 3.98                   | 7.75                  |
| 12,063.0              | 45.68           | 4.13        | 11,934.7              | 337.5        | 366.8        | 336.2                   | 6.62                    | 4.23                   | 7.38                  |
| 12,157.0              | 54.69           | 2.00        | 11,994.8              | 409.6        | 370.6        | 408.2                   | 9.74                    | 9.59                   | -2.27                 |
| 12,252.0              | 62.52           | 0.92        | 12,044.3              | 490.6        | 372.6        | 489.2                   | 8.30                    | 8.24                   | -1.14                 |
| 12,347.0              | 67.99           | 1.12        | 12,084.0              | 576.8        | 374.2        | 575.4                   | 5.76                    | 5.76                   | 0.21                  |
| 12,441.0              | 71.21           | 1.26        | 12,116.8              | 664.9        | 376.0        | 663.5                   | 3.43                    | 3.43                   | 0.15                  |
| 12,536.0              | 80.02           | 359.78      | 12,140.3              | 756.8        | 376.8        | 755.4                   | 9.40                    | 9.27                   | -1.56                 |
| 12,630.0              | 83.97           | 359.14      | 12,153.4              | 849.9        | 375.9        | 848.5                   | 4.26                    | 4.20                   | -0.68                 |
| 12,724.0              | 86.89           | 2.11        | 12,160.9              | 943.5        | 376.9        | 942.1                   | 4.42                    | 3.11                   | 3.16                  |
| 12,818.0              | 89.49           | 4.27        | 12,163.9              | 1,037.3      | 382.2        | 1,035.9                 | 3.60                    | 2.77                   | 2.30                  |
| 12,912.0              | 89.34           | 1.93        | 12,164.9              | 1,131.2      | 387.3        | 1,129.8                 | 2.49                    | -0.16                  | -2.49                 |
| 13,007.0              | 86.99           | 1.96        | 12,167.9              | 1,226.1      | 390.5        | 1,224.6                 | 2.47                    | -2.47                  | 0.03                  |
| 13,101.0              | 87.11           | 2.38        | 12,172.7              | 1,319.9      | 394.0        | 1,318.4                 | 0.46                    | 0.13                   | 0.45                  |
| 13,289.0              | 87.71           | 2.15        | 12,181.2              | 1,507.5      | 401.4        | 1,506.1                 | 0.34                    | 0.32                   | -0.12                 |
| 13,477.0              | 86.84           | 357.96      | 12,190.2              | 1,695.3      | 401.6        | 1,693.8                 | 2.27                    | -0.46                  | -2.23                 |
| 13,572.0              | 89.08           | 358.23      | 12,193.6              | 1,790.2      | 398.5        | 1,788.7                 | 2.37                    | 2.36                   | 0.28                  |
| 13,666.0              | 90.67           | 359.71      | 12,193.8              | 1,884.1      | 396.8        | 1,882.7                 | 2.31                    | 1.69                   | 1.57                  |
| 13,760.0              | 88.28           | 358.13      | 12,194.6              | 1,978.1      | 395.0        | 1,976.7                 | 3.05                    | -2.54                  | -1.68                 |
| 13,854.0              | 89.48           | 358.97      | 12,196.5              | 2,072.1      | 392.6        | 2,070.6                 | 1.56                    | 1.28                   | 0.89                  |
| 13,949.0              | 90.00           | 359.34      | 12,196.9              | 2,167.1      | 391.2        | 2,165.6                 | 0.67                    | 0.55                   | 0.39                  |
| 14,043.0              | 89.63           | 359.04      | 12,197.2              | 2,261.0      | 389.9        | 2,259.6                 | 0.51                    | -0.39                  | -0.32                 |
| 14,137.0              | 89.53           | 358.44      | 12,197.9              | 2,355.0      | 387.8        | 2,353.6                 | 0.65                    | -0.11                  | -0.64                 |
| 14,232.0              | 89.55           | 359.21      | 12,198.6              | 2,450.0      | 385.9        | 2,448.6                 | 0.81                    | 0.02                   | 0.81                  |
| 14,325.0              | 89.09           | 357.97      | 12,199.7              | 2,543.0      | 383.6        | 2,541.5                 | 1.42                    | -0.49                  | -1.33                 |
| 14,420.0              | 90.04           | 359.22      | 12,200.5              | 2,637.9      | 381.3        | 2,636.5                 | 1.65                    | 1.00                   | 1.32                  |
| 14,515.0              | 90.02           | 359.15      | 12,200.4              | 2,732.9      | 379.9        | 2,731.5                 | 0.08                    | -0.02                  | -0.07                 |
| 14,609.0              | 90.05           | 0.04        | 12,200.4              | 2,826.9      | 379.3        | 2,825.5                 | 0.95                    | 0.03                   | 0.95                  |
| 14,704.0              | 89.63           | 0.47        | 12,200.6              | 2,921.9      | 379.7        | 2,920.5                 | 0.63                    | -0.44                  | 0.45                  |
| 14,799.0              | 90.26           | 2.15        | 12,200.7              | 3,016.9      | 381.9        | 3,015.5                 | 1.89                    | 0.66                   | 1.77                  |
| 14,894.0              | 90.39           | 1.61        | 12,200.2              | 3,111.8      | 385.0        | 3,110.4                 | 0.58                    | 0.14                   | -0.57                 |
| 14,989.0              | 90.48           | 1.37        | 12,199.5              | 3,206.8      | 387.4        | 3,205.3                 | 0.27                    | 0.09                   | -0.25                 |
| 15,084.0              | 90.55           | 1.05        | 12,198.6              | 3,301.8      | 389.4        | 3,300.3                 | 0.34                    | 0.07                   | -0.34                 |
| 15,178.0              | 90.35           | 1.64        | 12,197.9              | 3,395.7      | 391.7        | 3,394.3                 | 0.66                    | -0.21                  | 0.63                  |
| 15,273.0              | 90.78           | 359.82      | 12,196.9              | 3,490.7      | 392.9        | 3,489.3                 | 1.97                    | 0.45                   | -1.92                 |
| 15,368.0              | 90.52           | 0.26        | 12,195.9              | 3,585.7      | 392.9        | 3,584.2                 | 0.54                    | -0.27                  | 0.46                  |
| 15,462.0              | 89.98           | 1.16        | 12,195.4              | 3,679.7      | 394.1        | 3,678.2                 | 1.12                    | -0.57                  | 0.96                  |
| 15,557.0              | 90.05           | 0.00        | 12,195.4              | 3,774.7      | 395.1        | 3,773.2                 | 1.22                    | 0.07                   | -1.22                 |
| 15,745.0              | 90.18           | 0.64        | 12,195.0              | 3,962.7      | 396.1        | 3,961.2                 | 0.35                    | 0.07                   | 0.34                  |
| 15,840.0              | 90.05           | 0.73        | 12,194.8              | 4,057.7      | 397.2        | 4,056.2                 | 0.17                    | -0.14                  | 0.09                  |
| 15,934.0              | 89.93           | 0.24        | 12,194.9              | 4,151.7      | 398.0        | 4,150.2                 | 0.54                    | -0.13                  | -0.52                 |
| 16,029.0              | 90.48           | 0.86        | 12,194.5              | 4,246.7      | 399.0        | 4,245.2                 | 0.87                    | 0.58                   | 0.65                  |
| 16,124.0              | 90.12           | 1.00        | 12,194.0              | 4,341.7      | 400.5        | 4,340.2                 | 0.41                    | -0.38                  | 0.15                  |
| 16,220.0              | 91.42           | 0.71        | 12,192.7              | 4,437.6      | 401.9        | 4,436.1                 | 1.39                    | 1.35                   | -0.30                 |
| 16,314.0              | 91.42           | 359.19      | 12,190.4              | 4,531.6      | 401.8        | 4,530.1                 | 1.62                    | 0.00                   | -1.62                 |
| 16,407.0              | 91.22           | 358.33      | 12,188.3              | 4,624.6      | 399.8        | 4,623.1                 | 0.95                    | -0.22                  | -0.92                 |
| 16,596.0              | 91.03           | 358.63      | 12,184.6              | 4,813.5      | 394.8        | 4,812.0                 | 0.19                    | -0.10                  | 0.16                  |
| 16,691.0              | 90.78           | 358.10      | 12,183.1              | 4,908.4      | 392.1        | 4,906.9                 | 0.62                    | -0.26                  | -0.56                 |

## ExxonMobil

## Planning Report

|                  |                                                    |                                    |                           |
|------------------|----------------------------------------------------|------------------------------------|---------------------------|
| <b>Database:</b> | LMRKPROD3                                          | <b>Local Co-ordinate Reference</b> | Well PLU 22 DTD 128H      |
| <b>Company:</b>  | ROC                                                | <b>TVD Reference:</b>              | RKB33' @ 3463.0usft (X12) |
| <b>Project:</b>  | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME) | <b>MD Reference:</b>               | RKB33' @ 3463.0usft (X12) |
| <b>Site:</b>     | (X12) - PLU 22 DTD, Pad D - PLANS                  | <b>North Reference:</b>            | Grid                      |
| <b>Well:</b>     | PLU 22 DTD 128H                                    | <b>Survey Calculation Method:</b>  | Minimum Curvature         |
| <b>Wellbore:</b> | ST01                                               |                                    |                           |
| <b>Design:</b>   | Plan 2                                             |                                    |                           |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 16,784.0              | 90.25           | 357.00      | 12,182.2              | 5,001.3      | 388.1        | 4,999.9                 | 1.31                    | -0.57                  | -1.18                 |
| 16,879.0              | 89.28           | 358.67      | 12,182.6              | 5,096.2      | 384.5        | 5,094.8                 | 2.03                    | -1.02                  | 1.76                  |
| 16,973.0              | 89.43           | 359.48      | 12,183.7              | 5,190.2      | 383.0        | 5,188.8                 | 0.88                    | 0.16                   | 0.86                  |
| 17,162.0              | 90.49           | 0.31        | 12,183.8              | 5,379.2      | 382.7        | 5,377.8                 | 0.71                    | 0.56                   | 0.44                  |
| 17,256.0              | 89.08           | 0.06        | 12,184.2              | 5,473.2      | 383.0        | 5,471.8                 | 1.52                    | -1.50                  | -0.27                 |
| 17,350.0              | 89.85           | 359.30      | 12,185.0              | 5,567.2      | 382.5        | 5,565.8                 | 1.15                    | 0.82                   | -0.81                 |
| 17,540.0              | 89.65           | 359.23      | 12,185.9              | 5,757.2      | 380.0        | 5,755.8                 | 0.11                    | -0.11                  | -0.04                 |
| 17,635.0              | 90.25           | 0.20        | 12,185.9              | 5,852.2      | 379.5        | 5,850.8                 | 1.20                    | 0.63                   | 1.02                  |
| 17,730.0              | 89.93           | 359.39      | 12,185.8              | 5,947.2      | 379.2        | 5,945.8                 | 0.92                    | -0.34                  | -0.85                 |
| 17,824.0              | 90.29           | 359.30      | 12,185.6              | 6,041.2      | 378.1        | 6,039.8                 | 0.39                    | 0.38                   | -0.10                 |
| 17,918.0              | 89.94           | 358.94      | 12,185.4              | 6,135.2      | 376.7        | 6,133.7                 | 0.53                    | -0.37                  | -0.38                 |
| 18,107.0              | 90.22           | 359.11      | 12,185.2              | 6,324.1      | 373.5        | 6,322.7                 | 0.17                    | 0.15                   | 0.09                  |
| 18,202.0              | 90.31           | 1.06        | 12,184.7              | 6,419.1      | 373.6        | 6,417.7                 | 2.05                    | 0.09                   | 2.05                  |
| 18,295.0              | 89.61           | 359.74      | 12,184.8              | 6,512.1      | 374.3        | 6,510.7                 | 1.61                    | -0.75                  | -1.42                 |
| 18,390.0              | 90.06           | 0.17        | 12,185.1              | 6,607.1      | 374.2        | 6,605.7                 | 0.66                    | 0.47                   | 0.45                  |
| 18,484.0              | 89.45           | 359.59      | 12,185.5              | 6,701.1      | 374.0        | 6,699.7                 | 0.90                    | -0.65                  | -0.62                 |
| 18,579.0              | 91.14           | 0.23        | 12,185.0              | 6,796.1      | 373.8        | 6,794.7                 | 1.90                    | 1.78                   | 0.67                  |
| 18,673.0              | 91.21           | 1.58        | 12,183.0              | 6,890.1      | 375.3        | 6,888.7                 | 1.44                    | 0.07                   | 1.44                  |
| 18,768.0              | 89.93           | 359.03      | 12,182.1              | 6,985.1      | 375.8        | 6,983.6                 | 3.00                    | -1.35                  | -2.68                 |
| 18,862.0              | 89.93           | 358.00      | 12,182.2              | 7,079.0      | 373.4        | 7,077.6                 | 1.10                    | 0.00                   | -1.10                 |
| 18,957.0              | 90.27           | 357.68      | 12,182.0              | 7,174.0      | 369.8        | 7,172.6                 | 0.49                    | 0.36                   | -0.34                 |
| 19,146.0              | 88.92           | 359.71      | 12,183.4              | 7,362.9      | 365.5        | 7,361.5                 | 1.29                    | -0.71                  | 1.07                  |
| 19,241.0              | 90.04           | 358.21      | 12,184.2              | 7,457.9      | 363.8        | 7,456.5                 | 1.97                    | 1.18                   | -1.58                 |
| 19,335.0              | 89.43           | 359.48      | 12,184.7              | 7,551.9      | 361.9        | 7,550.5                 | 1.50                    | -0.65                  | 1.35                  |
| 19,430.0              | 90.04           | 358.04      | 12,185.1              | 7,646.8      | 359.8        | 7,645.5                 | 1.65                    | 0.64                   | -1.52                 |
| 19,525.0              | 90.65           | 359.95      | 12,184.5              | 7,741.8      | 358.2        | 7,740.4                 | 2.11                    | 0.64                   | 2.01                  |
| 19,714.0              | 90.11           | 1.02        | 12,183.3              | 7,930.8      | 359.8        | 7,929.4                 | 0.63                    | -0.29                  | 0.57                  |
| 19,809.0              | 89.21           | 358.41      | 12,183.9              | 8,025.8      | 359.3        | 8,024.4                 | 2.91                    | -0.95                  | -2.75                 |
| 19,903.0              | 91.10           | 1.62        | 12,183.6              | 8,119.8      | 359.3        | 8,118.4                 | 3.96                    | 2.01                   | 3.41                  |
| 19,997.0              | 90.52           | 0.28        | 12,182.3              | 8,213.7      | 360.9        | 8,212.4                 | 1.55                    | -0.62                  | -1.43                 |
| 20,092.0              | 90.16           | 1.40        | 12,181.7              | 8,308.7      | 362.3        | 8,307.3                 | 1.24                    | -0.38                  | 1.18                  |
| 20,187.0              | 89.61           | 359.55      | 12,181.9              | 8,403.7      | 363.1        | 8,402.3                 | 2.03                    | -0.58                  | -1.95                 |
| 20,282.0              | 89.26           | 358.75      | 12,182.8              | 8,498.7      | 361.7        | 8,497.3                 | 0.92                    | -0.37                  | -0.84                 |
| 20,376.0              | 89.05           | 0.37        | 12,184.2              | 8,592.7      | 360.9        | 8,591.3                 | 1.74                    | -0.22                  | 1.72                  |
| 20,470.0              | 90.10           | 0.00        | 12,184.9              | 8,686.7      | 361.2        | 8,685.3                 | 1.18                    | 1.12                   | -0.39                 |
| 20,565.0              | 89.28           | 359.36      | 12,185.4              | 8,781.7      | 360.7        | 8,780.3                 | 1.09                    | -0.86                  | -0.67                 |
| 20,660.0              | 91.90           | 0.71        | 12,184.5              | 8,876.7      | 360.8        | 8,875.3                 | 3.10                    | 2.76                   | 1.42                  |
| 20,754.0              | 89.26           | 0.24        | 12,183.5              | 8,970.6      | 361.5        | 8,969.3                 | 2.85                    | -2.81                  | -0.50                 |
| 20,849.0              | 89.66           | 359.72      | 12,184.4              | 9,065.6      | 361.5        | 9,064.3                 | 0.69                    | 0.42                   | -0.55                 |
| 20,943.0              | 88.35           | 359.98      | 12,186.0              | 9,159.6      | 361.3        | 9,158.2                 | 1.42                    | -1.39                  | 0.28                  |
| 21,133.0              | 90.45           | 359.64      | 12,188.0              | 9,349.6      | 360.6        | 9,348.2                 | 1.12                    | 1.11                   | -0.18                 |
| 21,228.0              | 90.49           | 358.51      | 12,187.2              | 9,444.6      | 359.1        | 9,443.2                 | 1.19                    | 0.04                   | -1.19                 |
| 21,322.0              | 90.98           | 0.03        | 12,186.0              | 9,538.6      | 357.9        | 9,537.2                 | 1.70                    | 0.52                   | 1.62                  |
| 21,417.0              | 89.93           | 0.81        | 12,185.3              | 9,633.6      | 358.6        | 9,632.2                 | 1.38                    | -1.11                  | 0.82                  |
| 21,512.0              | 91.23           | 0.02        | 12,184.3              | 9,728.5      | 359.3        | 9,727.2                 | 1.60                    | 1.37                   | -0.83                 |
| 21,607.0              | 88.22           | 0.18        | 12,184.8              | 9,823.5      | 359.5        | 9,822.2                 | 3.17                    | -3.17                  | 0.17                  |
| 21,702.0              | 89.63           | 0.01        | 12,186.6              | 9,918.5      | 359.6        | 9,917.1                 | 1.49                    | 1.48                   | -0.18                 |
| 21,797.0              | 91.58           | 358.94      | 12,185.6              | 10,013.5     | 358.7        | 10,012.1                | 2.34                    | 2.05                   | -1.13                 |
| 21,891.0              | 89.63           | 359.07      | 12,184.6              | 10,107.5     | 357.1        | 10,106.1                | 2.08                    | -2.07                  | 0.14                  |
| 22,080.0              | 88.55           | 359.80      | 12,187.6              | 10,296.4     | 355.2        | 10,295.1                | 0.69                    | -0.57                  | 0.39                  |
| 22,174.0              | 89.17           | 359.97      | 12,189.4              | 10,390.4     | 355.1        | 10,389.1                | 0.68                    | 0.66                   | 0.18                  |
| 22,269.0              | 89.31           | 1.05        | 12,190.7              | 10,485.4     | 355.9        | 10,484.0                | 1.15                    | 0.15                   | 1.14                  |

## ExxonMobil

## Planning Report

|                  |                                                    |                                    |                           |
|------------------|----------------------------------------------------|------------------------------------|---------------------------|
| <b>Database:</b> | LMRKPROD3                                          | <b>Local Co-ordinate Reference</b> | Well PLU 22 DTD 128H      |
| <b>Company:</b>  | ROC                                                | <b>TVD Reference:</b>              | RKB33' @ 3463.0usft (X12) |
| <b>Project:</b>  | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME) | <b>MD Reference:</b>               | RKB33' @ 3463.0usft (X12) |
| <b>Site:</b>     | (X12) - PLU 22 DTD, Pad D - PLANS                  | <b>North Reference:</b>            | Grid                      |
| <b>Well:</b>     | PLU 22 DTD 128H                                    | <b>Survey Calculation Method:</b>  | Minimum Curvature         |
| <b>Wellbore:</b> | ST01                                               |                                    |                           |
| <b>Design:</b>   | Plan 2                                             |                                    |                           |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 22,363.0              | 87.93           | 1.22        | 12,193.0              | 10,579.4     | 357.8        | 10,578.0                | 1.48                    | -1.47                  | 0.18                  |
| 22,457.0              | 91.14           | 0.78        | 12,193.7              | 10,673.3     | 359.4        | 10,671.9                | 3.45                    | 3.41                   | -0.47                 |
| 22,552.0              | 90.66           | 0.12        | 12,192.2              | 10,768.3     | 360.1        | 10,766.9                | 0.86                    | -0.51                  | -0.69                 |
| 22,740.0              | 90.17           | 359.86      | 12,190.9              | 10,956.3     | 360.1        | 10,954.9                | 0.30                    | -0.26                  | -0.14                 |
| 22,834.0              | 89.63           | 0.15        | 12,191.0              | 11,050.3     | 360.1        | 11,048.9                | 0.65                    | -0.57                  | 0.31                  |
| 22,928.0              | 91.50           | 1.15        | 12,190.1              | 11,144.3     | 361.2        | 11,142.9                | 2.26                    | 1.99                   | 1.06                  |
| 23,023.0              | 89.34           | 359.98      | 12,189.4              | 11,239.3     | 362.1        | 11,237.9                | 2.59                    | -2.27                  | -1.23                 |
| 23,117.0              | 89.86           | 0.53        | 12,190.1              | 11,333.3     | 362.5        | 11,331.9                | 0.81                    | 0.55                   | 0.59                  |
| 23,212.0              | 89.72           | 358.76      | 12,190.4              | 11,428.3     | 362.0        | 11,426.9                | 1.87                    | -0.15                  | -1.86                 |
| 23,307.0              | 90.24           | 0.31        | 12,190.4              | 11,523.3     | 361.2        | 11,521.9                | 1.72                    | 0.55                   | 1.63                  |
| 23,401.0              | 89.78           | 1.13        | 12,190.4              | 11,617.3     | 362.4        | 11,615.8                | 1.00                    | -0.49                  | 0.87                  |
| 23,495.0              | 88.65           | 0.59        | 12,191.7              | 11,711.2     | 363.8        | 11,709.8                | 1.33                    | -1.20                  | -0.57                 |
| 23,590.0              | 89.99           | 1.37        | 12,192.8              | 11,806.2     | 365.4        | 11,804.8                | 1.63                    | 1.41                   | 0.82                  |
| 23,780.0              | 90.59           | 0.95        | 12,191.9              | 11,996.2     | 369.2        | 11,994.7                | 0.39                    | 0.32                   | -0.22                 |
| 23,875.0              | 91.42           | 3.45        | 12,190.2              | 12,091.1     | 372.9        | 12,089.6                | 2.77                    | 0.87                   | 2.63                  |
| 23,969.0              | 90.86           | 359.87      | 12,188.3              | 12,185.0     | 375.6        | 12,183.5                | 3.85                    | -0.60                  | -3.81                 |
| 24,063.0              | 91.34           | 0.22        | 12,186.5              | 12,279.0     | 375.7        | 12,277.5                | 0.63                    | 0.51                   | 0.37                  |
| 24,158.0              | 90.99           | 359.87      | 12,184.6              | 12,374.0     | 375.8        | 12,372.5                | 0.52                    | -0.37                  | -0.37                 |
| 24,252.0              | 90.13           | 359.57      | 12,183.7              | 12,468.0     | 375.3        | 12,466.5                | 0.97                    | -0.91                  | -0.32                 |
| 24,346.0              | 90.62           | 1.17        | 12,183.1              | 12,561.9     | 375.9        | 12,560.5                | 1.78                    | 0.52                   | 1.70                  |
| 24,440.0              | 89.35           | 359.02      | 12,183.1              | 12,655.9     | 376.1        | 12,654.5                | 2.66                    | -1.35                  | -2.29                 |
| 24,629.0              | 89.62           | 0.01        | 12,184.8              | 12,844.9     | 374.5        | 12,843.5                | 0.54                    | 0.14                   | 0.52                  |
| 24,723.0              | 90.72           | 2.81        | 12,184.5              | 12,938.9     | 376.8        | 12,937.4                | 3.20                    | 1.17                   | 2.98                  |
| 24,818.0              | 89.92           | 0.19        | 12,184.0              | 13,033.8     | 379.3        | 13,032.4                | 2.88                    | -0.84                  | -2.76                 |
| 24,912.0              | 90.68           | 1.05        | 12,183.5              | 13,127.8     | 380.3        | 13,126.4                | 1.22                    | 0.81                   | 0.91                  |
| 25,101.0              | 92.13           | 0.60        | 12,178.9              | 13,316.8     | 383.0        | 13,315.3                | 0.80                    | 0.77                   | -0.24                 |
| 25,196.0              | 91.82           | 1.55        | 12,175.6              | 13,411.7     | 384.8        | 13,410.2                | 1.05                    | -0.33                  | 1.00                  |
| 25,290.0              | 89.12           | 359.76      | 12,174.8              | 13,505.7     | 385.9        | 13,504.1                | 3.45                    | -2.87                  | -1.90                 |
| 25,479.0              | 88.39           | 359.12      | 12,178.9              | 13,694.6     | 384.0        | 13,693.1                | 0.51                    | -0.39                  | -0.34                 |
| 25,500.0              | 88.77           | 358.68      | 12,179.4              | 13,715.6     | 383.6        | 13,714.1                | 2.75                    | 1.79                   | -2.09                 |
| 25,550.0              | 89.66           | 357.64      | 12,180.1              | 13,765.6     | 382.0        | 13,764.1                | 2.75                    | 1.79                   | -2.08                 |
| 25,560.0              | 88.87           | 357.78      | 12,180.3              | 13,775.5     | 381.6        | 13,774.1                | 8.00                    | -7.88                  | 1.39                  |
| 25,570.0              | 88.08           | 357.92      | 12,180.5              | 13,785.5     | 381.2        | 13,784.0                | 8.00                    | -7.88                  | 1.39                  |
| 25,578.0              | 87.48           | 358.14      | 12,180.8              | 13,793.5     | 381.0        | 13,792.0                | 8.00                    | -7.52                  | 2.74                  |
| 25,583.0              | 87.18           | 358.39      | 12,181.1              | 13,798.5     | 380.8        | 13,797.0                | 8.00                    | -6.13                  | 5.15                  |
| 25,598.0              | 86.26           | 359.17      | 12,181.9              | 13,813.5     | 380.5        | 13,812.0                | 8.00                    | -6.13                  | 5.15                  |
| 25,600.0              | 86.26           | 359.17      | 12,182.1              | 13,815.5     | 380.5        | 13,814.0                | 0.00                    | 0.00                   | 0.00                  |
| 25,698.0              | 86.26           | 359.17      | 12,188.5              | 13,913.3     | 379.0        | 13,911.8                | 0.00                    | 0.00                   | 0.00                  |
| 25,700.0              | 86.25           | 359.33      | 12,188.6              | 13,915.3     | 379.0        | 13,913.8                | 8.00                    | -0.45                  | 8.00                  |
| 25,750.0              | 86.03           | 3.33        | 12,192.0              | 13,965.1     | 380.2        | 13,963.6                | 8.00                    | -0.43                  | 8.01                  |
| 25,758.4              | 86.00           | 4.00        | 12,192.5              | 13,973.4     | 380.7        | 13,972.0                | 8.00                    | -0.41                  | 8.01                  |
| 25,800.0              | 86.37           | 3.25        | 12,195.3              | 14,014.9     | 383.3        | 14,013.4                | 2.00                    | 0.89                   | -1.79                 |
| 25,900.0              | 87.27           | 1.46        | 12,200.9              | 14,114.7     | 387.4        | 14,113.2                | 2.00                    | 0.89                   | -1.79                 |
| 25,981.7              | 88.00           | 360.00      | 12,204.2              | 14,196.3     | 388.5        | 14,194.8                | 2.00                    | 0.90                   | -1.79                 |
| 26,000.0              | 88.35           | 359.89      | 12,204.8              | 14,214.6     | 388.5        | 14,213.1                | 2.00                    | 1.91                   | -0.61                 |
| 26,100.0              | 90.25           | 359.28      | 12,206.0              | 14,314.6     | 387.7        | 14,313.0                | 2.00                    | 1.91                   | -0.61                 |
| 26,200.0              | 92.16           | 358.68      | 12,203.9              | 14,414.5     | 386.0        | 14,413.0                | 2.00                    | 1.91                   | -0.61                 |
| 26,244.0              | 93.00           | 358.41      | 12,201.9              | 14,458.5     | 384.8        | 14,457.0                | 2.00                    | 1.91                   | -0.61                 |
| 26,300.0              | 93.00           | 358.41      | 12,199.0              | 14,514.4     | 383.3        | 14,512.9                | 0.00                    | 0.00                   | 0.00                  |
| 26,400.0              | 93.00           | 358.41      | 12,193.8              | 14,614.2     | 380.5        | 14,612.7                | 0.00                    | 0.00                   | 0.00                  |
| 26,500.0              | 93.00           | 358.41      | 12,188.5              | 14,714.0     | 377.7        | 14,712.5                | 0.00                    | 0.00                   | 0.00                  |
| 26,600.0              | 93.00           | 358.41      | 12,183.3              | 14,813.8     | 375.0        | 14,812.4                | 0.00                    | 0.00                   | 0.00                  |

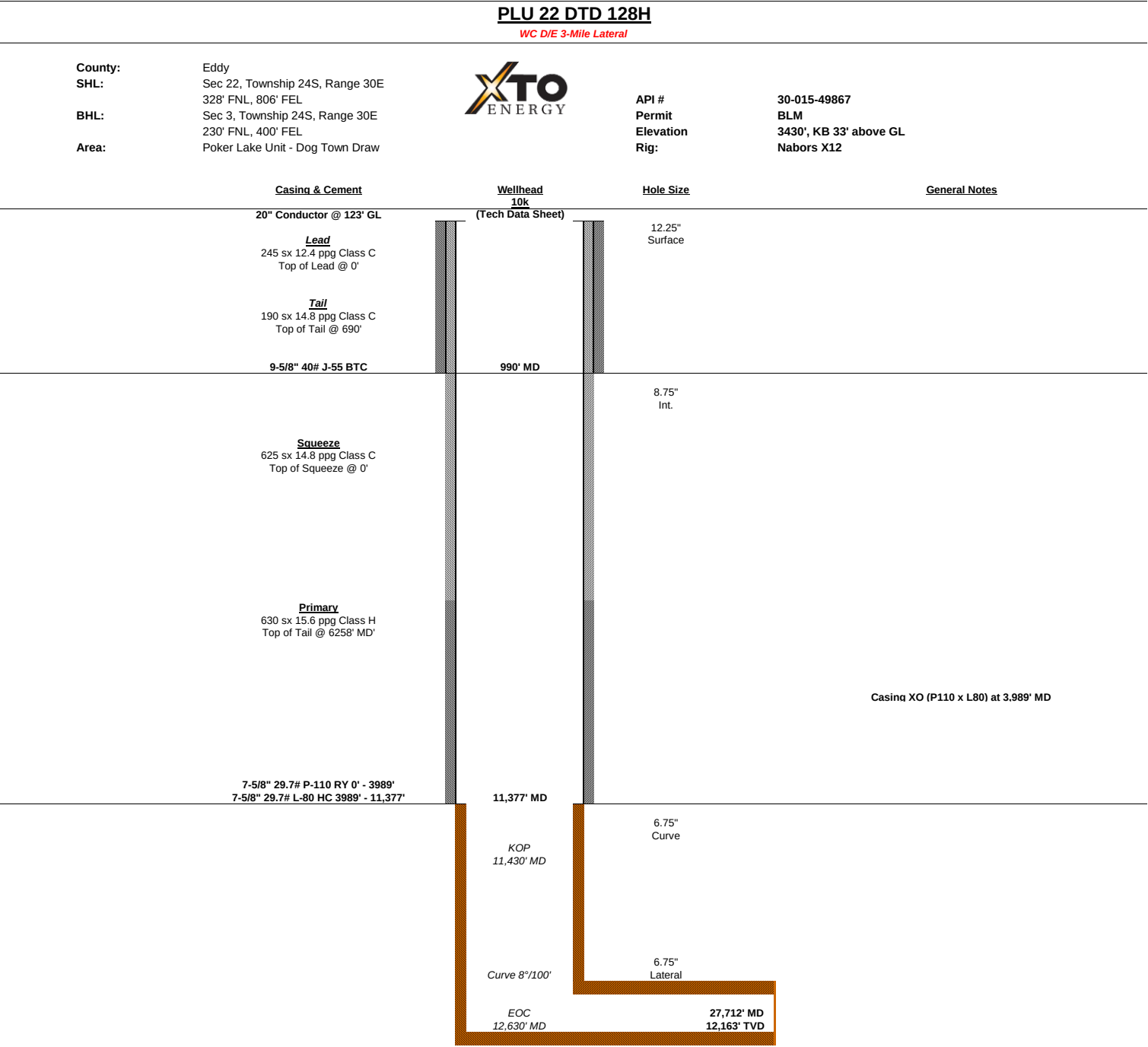
ExxonMobil

Planning Report

|           |                                                    |                             |                           |
|-----------|----------------------------------------------------|-----------------------------|---------------------------|
| Database: | LMRKPROD3                                          | Local Co-ordinate Reference | Well PLU 22 DTD 128H      |
| Company:  | ROC                                                | TVD Reference:              | RKB33' @ 3463.0usft (X12) |
| Project:  | PLU 22 DTD - X12/34/HP552/502/463 - Eddy (N27 NME) | MD Reference:               | RKB33' @ 3463.0usft (X12) |
| Site:     | (X12) - PLU 22 DTD, Pad D - PLANS                  | North Reference:            | Grid                      |
| Well:     | PLU 22 DTD 128H                                    | Survey Calculation Method:  | Minimum Curvature         |
| Wellbore: | ST01                                               |                             |                           |
| Design:   | Plan 2                                             |                             |                           |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 26,700.0              | 93.00           | 358.41      | 12,178.1              | 14,913.7     | 372.2        | 14,912.2                | 0.00                    | 0.00                   | 0.00                  |
| 26,800.0              | 93.00           | 358.41      | 12,172.8              | 15,013.5     | 369.4        | 15,012.0                | 0.00                    | 0.00                   | 0.00                  |
| 26,900.0              | 93.00           | 358.41      | 12,167.6              | 15,113.3     | 366.7        | 15,111.9                | 0.00                    | 0.00                   | 0.00                  |
| 26,913.0              | 93.00           | 358.41      | 12,166.9              | 15,126.3     | 366.3        | 15,124.9                | 0.00                    | 0.00                   | 0.00                  |
| 27,000.0              | 91.26           | 358.40      | 12,163.7              | 15,213.2     | 363.9        | 15,211.8                | 2.00                    | -2.00                  | -0.01                 |
| 27,063.0              | 90.00           | 358.40      | 12,163.0              | 15,276.2     | 362.1        | 15,274.8                | 2.00                    | -2.00                  | -0.01                 |
| 27,100.0              | 90.00           | 358.40      | 12,163.0              | 15,313.1     | 361.1        | 15,311.7                | 0.00                    | 0.00                   | 0.00                  |
| 27,200.0              | 90.00           | 358.40      | 12,163.0              | 15,413.1     | 358.3        | 15,411.7                | 0.00                    | 0.00                   | 0.00                  |
| 27,300.0              | 90.00           | 358.40      | 12,163.0              | 15,513.1     | 355.5        | 15,511.7                | 0.00                    | 0.00                   | 0.00                  |
| 27,400.0              | 90.00           | 358.40      | 12,163.0              | 15,613.0     | 352.7        | 15,611.6                | 0.00                    | 0.00                   | 0.00                  |
| 27,500.0              | 90.00           | 358.40      | 12,163.0              | 15,713.0     | 349.9        | 15,711.6                | 0.00                    | 0.00                   | 0.00                  |
| 27,600.0              | 90.00           | 358.40      | 12,163.0              | 15,813.0     | 347.1        | 15,811.6                | 0.00                    | 0.00                   | 0.00                  |
| 27,614.9              | 90.00           | 358.40      | 12,163.0              | 15,827.8     | 346.7        | 15,826.4                | 0.00                    | 0.00                   | 0.00                  |
| 27,700.0              | 90.00           | 358.40      | 12,163.0              | 15,912.9     | 344.3        | 15,911.5                | 0.00                    | 0.00                   | 0.00                  |
| 27,714.9              | 90.00           | 358.40      | 12,163.0              | 15,927.8     | 343.9        | 15,926.4                | 0.00                    | 0.00                   | 0.00                  |

| Design Targets                                                                             |               |              |            |              |              |                 |                |                  |                   |
|--------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|-------------------|
| Target Name                                                                                | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude         | Longitude         |
| - hit/miss target                                                                          |               |              |            |              |              |                 |                |                  |                   |
| - Shape                                                                                    |               |              |            |              |              |                 |                |                  |                   |
| BHL PLU 22 DTD 128H                                                                        | 0.00          | 0.00         | 12,163.0   | 15,927.8     | 346.2        | 456,206.60      | 646,001.00     | 32° 15' 12.046 N | 103° 51' 39.792 W |
| - plan misses target center by 2.3usft at 27714.8usft MD (12163.0 TVD, 15927.7 N, 343.9 E) |               |              |            |              |              |                 |                |                  |                   |
| - Point                                                                                    |               |              |            |              |              |                 |                |                  |                   |
| LTP PLU 22 DTD 128H                                                                        | 0.00          | 0.00         | 12,163.0   | 15,827.8     | 346.7        | 456,106.60      | 646,001.50     | 32° 15' 11.056 N | 103° 51' 39.792 W |
| - plan hits target center                                                                  |               |              |            |              |              |                 |                |                  |                   |
| - Rectangle (sides W100.0 H15,995.1 D0.0)                                                  |               |              |            |              |              |                 |                |                  |                   |





PLU 22 DTD 128H ST01

WC D/E 3-Mile Lateral

County: Eddy  
SHL: Sec 22, Township 24S, Range 30E  
328' FNL, 806' FEL  
BHL: Sec 3, Township 24S, Range 30E  
230' FNL, 400' FEL  
Area: Poker Lake Unit - Dog Town Draw



API # 30-015-49867  
Permit BLM  
Elevation 3430', KB 33' above GL  
Rig: Nabors X12

| Casing & Cement                                                                                                                                               | Wellhead<br>10k<br>(Tech Data Sheet) | Hole Size                 | General Notes                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------|-------------------------------------|
| 20" Conductor @ 123' GL<br><br><u>Lead</u><br>245 sx 12.4 ppg Class C<br>Top of Lead @ 0'<br><br><u>Tail</u><br>190 sx 14.8 ppg Class C<br>Top of Tail @ 690' |                                      | 12.25"<br>Surface         |                                     |
| 9-5/8" 40# J-55 BTC                                                                                                                                           | 990' MD                              |                           |                                     |
| <br><u>Squeeze</u><br>625 sx 14.8 ppg Class C<br>Top of Squeeze @ 0'<br><br><br><br><br><u>Primary</u><br>630 sx 15.6 ppg Class H<br>Top of Tail @ 6258' MD'  |                                      | 8.75"<br>Int.             |                                     |
|                                                                                                                                                               |                                      |                           | Casing XO (P110 x L80) at 3,989' MD |
| 7-5/8" 29.7# P-110 RY 0' - 3989'<br>7-5/8" 29.7# L-80 HC 3989' - 11,377'                                                                                      | 11,377' MD                           |                           |                                     |
|                                                                                                                                                               | KOP<br>11,430' MD                    | 6.75"<br>Curve            |                                     |
|                                                                                                                                                               | Curve 8"/100'                        | 6.75"<br>Lateral          |                                     |
|                                                                                                                                                               | EOC<br>12,630' MD                    | 25,895' MD<br>12,189' TVD |                                     |
|                                                                                                                                                               |                                      | ST01 @ 25,550' MD         |                                     |
|                                                                                                                                                               |                                      | 27,714' MD / 12,163' TVD  |                                     |

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 322972

CONDITIONS

|                                                                                        |                                                      |
|----------------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>XTO PERMIAN OPERATING LLC.<br>6401 HOLIDAY HILL ROAD<br>MIDLAND, TX 79707 | OGRID:<br>373075                                     |
|                                                                                        | Action Number:<br>322972                             |
|                                                                                        | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| dmcclure   | None      | 5/9/2025       |