

Well Name: POKER LAKE UNIT 23 DTD FED STATE COM	Well Location: T24S / R30E / SEC 23 / SWNE / 32.206948 / -103.848511	County or Parish/State: EDDY / NM
Well Number: 157H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMLC068905	Unit or CA Name: POKER LAKE UNIT	Unit or CA Number: NMNM71016X
US Well Number: 3001549650	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2856639

Type of Submission: Notice of Intent

Date Sundry Submitted: 06/06/2025

Date proposed operation will begin: 06/06/2025

Type of Action: APD Change

Time Sundry Submitted: 03:55

Procedure Description: Effective date 10/1/22 XTO Permian Operating LLC respectfully requests to make the following changes for well file cleanup: Pool name & code: f/ (98319) WC 015 G06 S242630A BONE SPRING t/ (97944) WC-015 G-06 S233036D;BONE SPRING & (97798) WILDCAT G-06 S243026M; BONE SPRING Dedicated acres: f/ 480.38 t/320.66 & 1760 Name change: f/ POKER LAKE UNIT 23 DTD FED STATE COM 157H t/ POKER LAKE UNIT 23 DTD FED COM 157H TD: f/ 25949' MD / 9839' TVD t/ 25150' MD/ 9863.2' TVD FTP: f/ 100' FSL 2410' FEL t/ 500' FNL 2410' FEL Sec 23, 24S 30E; Lease NMNM0030452 Updated HSU Attachments: Updated C-102 on new form, drilling plan and directional survey

NOI Attachments

Procedure Description

- POKER_LAKE_UNIT_23_DTD_FED_COM_157H_97798_C102_AMENDED_FINAL_05_29_2025_20250606155447.pdf
- POKER_LAKE_UNIT_23_DTD_FED_COM_157H_97944_C102_AMENDED_FINAL_05_29_2025_20250606155448.pdf
- Poker_Lake_Unit_23_DTD_157H_Post_Execution_Drilling_Template_20250606155414.pdf
- PLU_23_DTD_157H_Plan_2_Standard_Plan_20250606155415.pdf

Received by OCD: 6/11/2025 7:40:24 AM

Page 2 of 23

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Lease Number: NMLC068905	Unit or CA Name: POKER LAKE UNIT	Unit or CA Number: NMNM71016X
US Well Number: 3001549650	Operator: 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

Operator Electronic Signature: LACEY GRANILLO

Signed on: JUN 09, 2025 11:45 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD

City: MIDLANDState: TX

Phone: (432) 894-0057

Email address: LACEY.GRANILLO@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 06/10/2025

Signature: Chris Walls

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. NMLC068905
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X
1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		8. Well Name and No. POKER LAKE UNIT 23 DTD FED STATE COM/157H
2. Name of Operator XTO PERMIAN OPERATING LLC		9. API Well No. 3001549650
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,	3b. Phone No. (include area code) (432) 683-2277	10. Field and Pool or Exploratory Area c-015: G-06 S243026M/Bone Spring
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 23/T24S/R30E/NMP		11. Country or Parish, State EDDY/NM

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

Effective date 10/1/22

XTO Permian Operating LLC respectfully requests to make the following changes for well file cleanup:

Pool name & code: f/ (98319) WC 015 G06 S242630A BONE SPRING

t/ (97944) WC-015 G-06 S233036D;BONE SPRING & (97798) WILDCAT G-06 S243026M; BONE SPRING

Dedicated acres: f/ 480.38 t/320.66 & 1760

Name change: f/ POKER LAKE UNIT 23 DTD FED STATE COM 157H t/ POKER LAKE UNIT 23 DTD FED COM 157H

TD: f/ 25949' MD / 9839' TVD t/ 25150 MD/ 9863.2 TVD

FTP: f/ 100 FSL 2410 FEL t/ 500 FNL 2410 FEL Sec 23, 24S 30E; Lease NMNM0030452

Updated HSU

Attachments: Updated C-102 on new form, drilling plan and directional survey

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) LACEY GRANILLO / Ph: (432) 894-0057	Title Regulatory Analyst
Signature (Electronic Submission)	Date 06/09/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 06/10/2025
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 CARLSBAD	

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

Location of Well

0. SHL: SWNE / 837 FNL / 1743 FEL / TWSP: 24S / RANGE: 30E / SECTION: 23 / LAT: 32.206948 / LONG: -103.848511 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 100 FSL / 1210 FEL / TWSP: 24S / RANGE: 30E / SECTION: 14 / LAT: 32.210912 / LONG: -103.846879 (TVD: 12320 feet, MD: 12700 feet)

BHL: LOT 2 / 200 FNL / 2410 FEL / TWSP: 24S / RANGE: 30E / SECTION: 2 / LAT: 32.253591 / LONG: -103.846859 (TVD: 12320 feet, MD: 28224 feet)

Santa Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-102 Revised July 9, 2024 Submit Electronically via OCD Permitting	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

WELL LOCATION INFORMATION

API Number 30-015-49650	Pool Code 97798	Pool Name WILDCAT G-06 S243026M; BONE SPRING
Property Code	Property Name POKER LAKE UNIT 23 DTD FED COM	Well Number 157H
OGRID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3432'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	24S	30E		837 FNL	1,743 FEL	32.208336	-103.848610	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	02	24S	30E	2	200 FNL	2,410 FEL	32.253579	-103.850741	EDDY

Dedicated Acres 1,760.00	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code P
Order Numbers: R-23809			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	24S	30E		836 FNL	1,742 FEL	32.208336	-103.848610	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	24S	30E		500 FNL	2,410 FEL	32.209258	-103.850765	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	02	24S	30E	2	330 FNL	2,410 FEL	32.253222	-103.850741	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3432'
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OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. Lacey Granillo6/2/25 SignatureDate Lacey Granillo Printed Name Lacey.granillo@exxonmobil.com Email Address	SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Signature and Seal of Professional Surveyor 23786 05-29-2025 Certificate NumberDate of Survey  DN618.013003.09-76
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Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.



WELL COORDINATE TABLE								
WELL	NAD 83 NME X	NAD 83 NME Y	NAD 83 LAT	NAD 83 LON	NAD 27 NME X	NAD 27 NME Y	NAD 27 LAT	NAD 27 LON
SHL/KOP	691,256.0	439,864.8	32.208336	-103.848610	650,072.2	439,805.8	32.208212	-103.848124
FTP	690,587.9	440,197.3	32.209258	-103.850765	649,404.1	440,138.3	32.209134	-103.850279
LTP	690,523.5	456,190.7	32.253222	-103.850741	649,340.3	456,131.3	32.253098	-103.850253
BHL	690,522.9	456,320.6	32.253579	-103.850741	649,339.8	456,261.2	32.253455	-103.850253
PPP 1	690,585.9	440,697.3	32.210633	-103.850764	649,402.8	440,638.3	32.210509	-103.850278
PPP 2	690,543.4	451,243.7	32.239623	-103.850748	649,360.1	451,184.4	32.239500	-103.850261

CORNER COORDINATE TABLE				
CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y
A	690,325.0	438,055.8	649,141.1	437,996.8
B	690,318.8	440,695.8	649,135.1	440,636.7
C	690,316.6	443,332.8	649,133.0	443,273.7
D	690,314.4	445,969.0	649,130.8	445,909.9
E	690,296.4	448,606.1	649,112.9	448,546.9
F	690,278.4	451,241.0	649,095.0	451,181.7
G	690,267.6	453,878.5	649,084.3	453,819.1
H	690,256.8	456,518.7	649,073.6	456,459.2
I	693,001.3	438,070.5	651,817.5	438,011.5
J	692,997.1	440,711.4	651,813.3	440,652.4
K	692,993.7	443,350.7	651,810.0	443,291.6
L	692,990.3	445,996.5	651,806.7	445,937.3
M	692,970.7	448,628.6	651,787.3	448,569.4
N	692,950.0	451,268.0	651,766.6	451,208.7
O	692,941.2	453,905.4	651,757.9	453,846.1
P	692,932.5	456,540.5	651,749.3	456,481.1

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		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

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OGRID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3432'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

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Dedicated Acres 320.66	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code P
Order Numbers: R-23809			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

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Last Take Point (LTP)

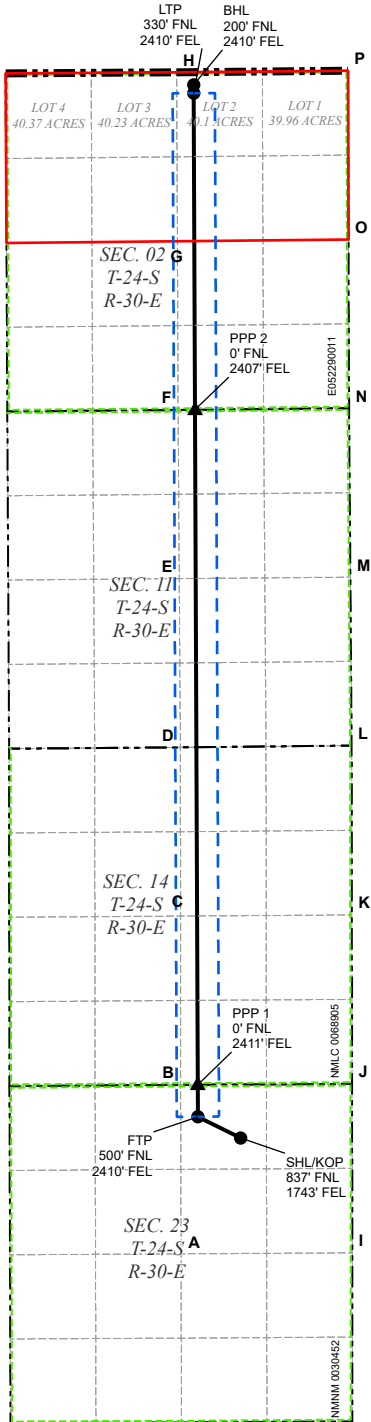
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> Lacey Granillo 6/2/25 SignatureDate Lacey Granillo Printed Name Lacey.granillo@exxonmobil.com Email Address	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>   Signature and Seal of Professional Surveyor 23786 05-29-2025 Certificate NumberDate of Survey DN618.013003.09-76
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 SECTION LINE
 330' BUFFER
 PPP

 TOWNSHIP LINE
 MINERAL LEASE
 WELL

 DEDICATED ACREAGE
 WELLBORE

WELL COORDINATE TABLE								
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B	690,318.8	440,695.8	649,135.1	440,636.7
C	690,316.6	443,332.8	649,133.0	443,273.7
D	690,314.4	445,969.0	649,130.8	445,909.9
E	690,296.4	448,606.1	649,112.9	448,546.9
F	690,278.4	451,241.0	649,095.0	451,181.7
G	690,267.6	453,878.5	649,084.3	453,819.1
H	690,256.8	456,518.7	649,073.6	456,459.2
I	693,001.3	438,070.5	651,817.5	438,011.5
J	692,997.1	440,711.4	651,813.3	440,652.4
K	692,993.7	443,350.7	651,810.0	443,291.6
L	692,990.3	445,996.5	651,806.7	445,937.3
M	692,970.7	448,628.6	651,787.3	448,569.4
N	692,950.0	451,268.0	651,766.6	451,208.7
O	692,941.2	453,905.4	651,757.9	453,846.1
P	692,932.5	456,540.5	651,749.3	456,481.1

Poker Lake Unit 23 DTD 157H
TD 25150 MD / 9863.2 TVD
SHL: 837' FNL & 1743' FEL , Section 23, T24S, R30E
BHL: 200' FNL & 2410' FEL , Section 2, T24S, R30E
Eddy County, NM

A.	Quaternary
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[illegible]

	INC °	Azimuth °	TVD (ft)	Y offset (ft)	X offset (ft)
SHL	0	0	0	439805.70	650072.10
KOP	17.33	1.66	9368.41	440927.13	649212.54
LP	89.84	1.07	9829.94	441978.85	649357.85
FTP	46.96	11.23	9633.61	441073.82	649245.68
LTP	90.69	358.60	9865.17	456052.84	649334.74
BHL	90.65	359.52	9863.20	456237.96	649332.11

3. Primary Casing Design

Primary Design:

Hole Size (in.)	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5"	0' – 806'	806'	13-3/8"	54.5	J55	BTC	New	1.07	4.07	25.53
12.25"	0' – 3938.9'	3938.9'	9-5/8"	40	HC P-110	BTC	New	311	11.76	3.51
12.25"	3938.9' - 9680'	9432	9-5/8"	40	HC L-80	BTC	New	2.26	1.49	2.77
8.5'	0' – 25130'	9683	5-1/2"	23	P-110/P110RY CC	Freedom HTQ	New	1.21	3.09	2.01

Wellhead:

A multi-bowl wellhead system will be utilized. The well design chosen is: 3-String Big / Non-Potash

Wellhead will be installed by manufacturer’s representatives.

Manufacturer will monitor welding process to ensure appropriate temperature of seal.

4. Cement Program

Primary Cementing								
Hole Section	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	470	12.4	2.13	30	806'	90%	Surface 1 Class 35/65 Poz C Lead Cement
Surface 1	Tail	320	14.8	1.35	600	806'	90%	Surface 1 Class C Tail Cement
Intermediate 1	Lead							
Intermediate 1	Tail	1190	15.6	1.18	6699	9680'	50%	Intermediate 1 Class H Tail Cement
Production 1	Lead							
Production 1	Tail	3120	13.2	1.51	4586	25130'	30%	Production 1 Class 35/65 Poz H Tail Cement
Remedial Cementing								
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description	
Intermediate 1	Squeeze(Lead/Tail)	1735	14	1.74	535-6699	50%	Intermediate Class C Squeeze Cement	

5. Pressure Control Equipment**Section 5 Summary:**

Once the permanent WH is installed on the casing, the blow out preventer equipment (BOP) will consist of a minimum 5M Hydril and a minimum 10M triple Ram BOP.

All BOP testing will be done by an independent service company. Operator will Test as per 43CFR-3172

Requested Variances**4A) Offline Cementing Variance**

XOM requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XOM will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

5A) Break Test Variance

A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. The maximum anticipated surface pressure is less than 4800psi and the deepest intermediate casing point does not penetrate the Wolfcamp Formation.

5B) Flex Hose Variance

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

8A) Open Hole Logging Variance

Open hole logging will not be done on this well.

10A) Spudder Rig Variance

XOM requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing.

10B) Batch Drilling Variance

XOM requests a variance to be able to batch drill this well. In doing so, XOM will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. XOM will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are all completed, XOM will begin drilling the production hole on each of the wells.

6. Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW	Viscosity	Fluid Loss	Comments
			(ppg)	(sec/qt)	(cc)	
0' -806'	12.25"	FW.	8.2	39	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
806' -9680'	8.75"	Brine Water/ Water/ BDE	8.2-8.4	39-65	NC	
9680' -25130'	6.75"	BDE / Invert/Oil Base	8.4-9.2	65-44	NC - 20	

Section 6 Summary:

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. An EDR (Electronic Drilling Recorder) will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

A Kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

H2S monitors will be on location when drilling below the 9-5/8" casing.

8. Logging, Coring and Testing Program

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

The estimated bottom hole temperature of 75F to 95F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation is possible throughout the well.

10. Anticipated Starting Date and Duration of Operations

Section 10 Summary:

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

ROC

HP 552 - Eddy County, NM (NAD 27 NME)
(HP 552) PLU 23 DTD Federal Com - Plans
157H

OH

Plan: Plan 2

Standard Planning Report

28 November, 2022

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well 157H
Company:	ROC	TVD Reference:	RKB30 @ 3456.0usft (H&P 552)
Project:	HP 552 - Eddy County, NM (NAD 27 NME)	MD Reference:	RKB30 @ 3456.0usft (H&P 552)
Site:	(HP 552) PLU 23 DTD Federal Com - Plans	North Reference:	Grid
Well:	157H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Project	HP 552 - Eddy County, NM (NAD 27 NME)		
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	(HP 552) PLU 23 DTD Federal Com - Plans					
Site Position:		Northing:	439,805.90 usft	Latitude:	32° 12' 29.563 N	
From:	Map	Easting:	650,102.10 usft	Longitude:	103° 50' 52.899 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.26 °

Well	157H					
Well Position	+N/-S	-0.2 usft	Northing:	439,805.70 usft	Latitude:	32° 12' 29.563 N
	+E/-W	-30.0 usft	Easting:	650,072.10 usft	Longitude:	103° 50' 53.248 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,426.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/29/2022	6.53	59.81	47,330.40565544

Design	Plan 2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	357.45

Plan Survey Tool Program	Date	11/28/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	25,185.3 Plan 2 (OH)	XOMR2_OWSG MWD+IFR1+	
			OWSG MWD + IFR1 + Multi-St	

ExxonMobil

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Site:	(HP 552) PLU 23 DTD Federal Com - Plans	North Reference:	Grid
Well:	157H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,707.9	10.16	263.11	1,705.2	-5.4	-44.6	2.00	2.00	0.00	263.11	
5,256.2	10.16	263.11	5,197.9	-80.5	-665.8	0.00	0.00	0.00	0.00	
6,377.2	18.90	0.00	6,294.0	91.4	-765.2	2.00	0.78	8.64	122.53	
9,774.4	18.90	0.00	9,508.0	1,191.8	-765.2	0.00	0.00	0.00	0.00	
10,369.0	90.00	9.10	9,832.3	1,641.3	-711.0	12.00	11.96	1.53	9.61	
10,835.4	90.00	359.77	9,832.3	2,105.8	-675.0	2.00	0.00	-2.00	-90.02	
25,055.3	90.00	359.77	9,833.0	16,325.6	-731.8	0.00	0.00	0.00	0.00	LTP 157H
25,185.3	90.00	359.77	9,833.0	16,455.6	-732.3	0.00	0.00	0.00	0.00	BHL 157H

ExxonMobil

Planning Report

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Site:	(HP 552) PLU 23 DTD Federal Com - Plans	North Reference:	Grid
Well:	157H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	2.00	263.11	1,300.0	-0.2	-1.7	-0.1	2.00	2.00	0.00
1,400.0	4.00	263.11	1,399.8	-0.8	-6.9	-0.5	2.00	2.00	0.00
1,500.0	6.00	263.11	1,499.5	-1.9	-15.6	-1.2	2.00	2.00	0.00
1,600.0	8.00	263.11	1,598.7	-3.3	-27.7	-2.1	2.00	2.00	0.00
1,700.0	10.00	263.11	1,697.5	-5.2	-43.2	-3.3	2.00	2.00	0.00
1,707.9	10.16	263.11	1,705.2	-5.4	-44.6	-3.4	2.00	2.00	0.00
1,800.0	10.16	263.11	1,795.9	-7.3	-60.7	-4.6	0.00	0.00	0.00
1,900.0	10.16	263.11	1,894.3	-9.5	-78.2	-6.0	0.00	0.00	0.00
2,000.0	10.16	263.11	1,992.8	-11.6	-95.7	-7.3	0.00	0.00	0.00
2,100.0	10.16	263.11	2,091.2	-13.7	-113.2	-8.6	0.00	0.00	0.00
2,200.0	10.16	263.11	2,189.6	-15.8	-130.7	-10.0	0.00	0.00	0.00
2,300.0	10.16	263.11	2,288.1	-17.9	-148.2	-11.3	0.00	0.00	0.00
2,400.0	10.16	263.11	2,386.5	-20.0	-165.7	-12.7	0.00	0.00	0.00
2,500.0	10.16	263.11	2,484.9	-22.2	-183.3	-14.0	0.00	0.00	0.00
2,600.0	10.16	263.11	2,583.4	-24.3	-200.8	-15.3	0.00	0.00	0.00
2,700.0	10.16	263.11	2,681.8	-26.4	-218.3	-16.7	0.00	0.00	0.00
2,800.0	10.16	263.11	2,780.2	-28.5	-235.8	-18.0	0.00	0.00	0.00
2,900.0	10.16	263.11	2,878.7	-30.6	-253.3	-19.3	0.00	0.00	0.00
3,000.0	10.16	263.11	2,977.1	-32.7	-270.8	-20.7	0.00	0.00	0.00
3,100.0	10.16	263.11	3,075.5	-34.9	-288.3	-22.0	0.00	0.00	0.00
3,200.0	10.16	263.11	3,174.0	-37.0	-305.8	-23.3	0.00	0.00	0.00
3,300.0	10.16	263.11	3,272.4	-39.1	-323.3	-24.7	0.00	0.00	0.00
3,400.0	10.16	263.11	3,370.8	-41.2	-340.8	-26.0	0.00	0.00	0.00
3,500.0	10.16	263.11	3,469.3	-43.3	-358.3	-27.4	0.00	0.00	0.00
3,600.0	10.16	263.11	3,567.7	-45.4	-375.8	-28.7	0.00	0.00	0.00
3,700.0	10.16	263.11	3,666.1	-47.6	-393.3	-30.0	0.00	0.00	0.00
3,800.0	10.16	263.11	3,764.6	-49.7	-410.9	-31.4	0.00	0.00	0.00
3,900.0	10.16	263.11	3,863.0	-51.8	-428.4	-32.7	0.00	0.00	0.00
4,000.0	10.16	263.11	3,961.4	-53.9	-445.9	-34.0	0.00	0.00	0.00
4,100.0	10.16	263.11	4,059.9	-56.0	-463.4	-35.4	0.00	0.00	0.00
4,200.0	10.16	263.11	4,158.3	-58.1	-480.9	-36.7	0.00	0.00	0.00
4,300.0	10.16	263.11	4,256.7	-60.3	-498.4	-38.0	0.00	0.00	0.00
4,400.0	10.16	263.11	4,355.2	-62.4	-515.9	-39.4	0.00	0.00	0.00
4,500.0	10.16	263.11	4,453.6	-64.5	-533.4	-40.7	0.00	0.00	0.00
4,600.0	10.16	263.11	4,552.0	-66.6	-550.9	-42.1	0.00	0.00	0.00
4,700.0	10.16	263.11	4,650.4	-68.7	-568.4	-43.4	0.00	0.00	0.00
4,800.0	10.16	263.11	4,748.9	-70.8	-585.9	-44.7	0.00	0.00	0.00
4,900.0	10.16	263.11	4,847.3	-73.0	-603.4	-46.1	0.00	0.00	0.00
5,000.0	10.16	263.11	4,945.7	-75.1	-620.9	-47.4	0.00	0.00	0.00
5,100.0	10.16	263.11	5,044.2	-77.2	-638.5	-48.7	0.00	0.00	0.00
5,200.0	10.16	263.11	5,142.6	-79.3	-656.0	-50.1	0.00	0.00	0.00
5,256.2	10.16	263.11	5,197.9	-80.5	-665.8	-50.8	0.00	0.00	0.00
5,300.0	9.71	267.49	5,241.1	-81.1	-673.3	-51.1	2.00	-1.01	10.00
5,400.0	8.94	278.90	5,339.8	-80.3	-689.4	-49.6	2.00	-0.77	11.41
5,500.0	8.57	291.84	5,438.6	-76.3	-704.0	-44.9	2.00	-0.37	12.94
5,600.0	8.66	305.21	5,537.5	-69.2	-717.1	-37.3	2.00	0.09	13.37
5,700.0	9.19	317.68	5,636.3	-59.0	-728.6	-26.5	2.00	0.53	12.47
5,800.0	10.09	328.37	5,734.9	-45.6	-738.6	-12.7	2.00	0.90	10.69
5,900.0	11.27	337.09	5,833.2	-29.1	-747.0	4.1	2.00	1.18	8.72
6,000.0	12.66	344.04	5,931.0	-9.6	-753.8	23.9	2.00	1.39	6.96
6,100.0	14.20	349.58	6,028.3	13.0	-759.0	46.7	2.00	1.53	5.54
6,200.0	15.83	354.03	6,124.8	38.6	-762.7	72.5	2.00	1.64	4.45

ExxonMobil

Planning Report

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Site:	(HP 552) PLU 23 DTD Federal Com - Plans	North Reference:	Grid
Well:	157H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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)	
6,300.0	17.54	357.65	6,220.6	67.3	-764.7	101.2	2.00	1.71	3.62	
6,377.2	18.90	0.00	6,294.0	91.4	-765.2	125.3	2.00	1.76	3.05	
6,400.0	18.90	0.00	6,315.5	98.8	-765.2	132.7	0.00	0.00	0.00	
6,500.0	18.90	0.00	6,410.1	131.2	-765.2	165.1	0.00	0.00	0.00	
6,600.0	18.90	0.00	6,504.7	163.6	-765.2	197.4	0.00	0.00	0.00	
6,700.0	18.90	0.00	6,599.3	195.9	-765.2	229.8	0.00	0.00	0.00	
6,800.0	18.90	0.00	6,694.0	228.3	-765.2	262.1	0.00	0.00	0.00	
6,900.0	18.90	0.00	6,788.6	260.7	-765.2	294.5	0.00	0.00	0.00	
7,000.0	18.90	0.00	6,883.2	293.1	-765.2	326.8	0.00	0.00	0.00	
7,100.0	18.90	0.00	6,977.8	325.5	-765.2	359.2	0.00	0.00	0.00	
7,200.0	18.90	0.00	7,072.4	357.9	-765.2	391.6	0.00	0.00	0.00	
7,300.0	18.90	0.00	7,167.0	390.3	-765.2	423.9	0.00	0.00	0.00	
7,400.0	18.90	0.00	7,261.6	422.7	-765.2	456.3	0.00	0.00	0.00	
7,500.0	18.90	0.00	7,356.2	455.1	-765.2	488.6	0.00	0.00	0.00	
7,600.0	18.90	0.00	7,450.8	487.5	-765.2	521.0	0.00	0.00	0.00	
7,700.0	18.90	0.00	7,545.4	519.9	-765.2	553.4	0.00	0.00	0.00	
7,800.0	18.90	0.00	7,640.0	552.3	-765.2	585.7	0.00	0.00	0.00	
7,900.0	18.90	0.00	7,734.7	584.6	-765.2	618.1	0.00	0.00	0.00	
8,000.0	18.90	0.00	7,829.3	617.0	-765.2	650.4	0.00	0.00	0.00	
8,100.0	18.90	0.00	7,923.9	649.4	-765.2	682.8	0.00	0.00	0.00	
8,200.0	18.90	0.00	8,018.5	681.8	-765.2	715.2	0.00	0.00	0.00	
8,300.0	18.90	0.00	8,113.1	714.2	-765.2	747.5	0.00	0.00	0.00	
8,400.0	18.90	0.00	8,207.7	746.6	-765.2	779.9	0.00	0.00	0.00	
8,500.0	18.90	0.00	8,302.3	779.0	-765.2	812.2	0.00	0.00	0.00	
8,600.0	18.90	0.00	8,396.9	811.4	-765.2	844.6	0.00	0.00	0.00	
8,700.0	18.90	0.00	8,491.5	843.8	-765.2	877.0	0.00	0.00	0.00	
8,800.0	18.90	0.00	8,586.1	876.2	-765.2	909.3	0.00	0.00	0.00	
8,900.0	18.90	0.00	8,680.7	908.6	-765.2	941.7	0.00	0.00	0.00	
9,000.0	18.90	0.00	8,775.3	941.0	-765.2	974.0	0.00	0.00	0.00	
9,100.0	18.90	0.00	8,870.0	973.3	-765.2	1,006.4	0.00	0.00	0.00	
9,200.0	18.90	0.00	8,964.6	1,005.7	-765.2	1,038.8	0.00	0.00	0.00	
9,300.0	18.90	0.00	9,059.2	1,038.1	-765.2	1,071.1	0.00	0.00	0.00	
9,400.0	18.90	0.00	9,153.8	1,070.5	-765.2	1,103.5	0.00	0.00	0.00	
9,500.0	18.90	0.00	9,248.4	1,102.9	-765.2	1,135.8	0.00	0.00	0.00	
9,600.0	18.90	0.00	9,343.0	1,135.3	-765.2	1,168.2	0.00	0.00	0.00	
9,700.0	18.90	0.00	9,437.6	1,167.7	-765.2	1,200.6	0.00	0.00	0.00	
9,774.4	18.90	0.00	9,508.0	1,191.8	-765.2	1,224.6	0.00	0.00	0.00	
9,800.0	21.93	1.37	9,532.0	1,200.7	-765.1	1,233.6	12.00	11.85	5.36	
9,900.0	33.85	4.47	9,620.2	1,247.3	-762.5	1,280.0	12.00	11.92	3.10	
10,000.0	45.81	6.08	9,696.9	1,311.0	-756.5	1,343.3	12.00	11.96	1.61	
10,100.0	57.78	7.14	9,758.6	1,388.9	-747.4	1,420.7	12.00	11.97	1.06	
10,200.0	69.76	7.96	9,802.7	1,477.6	-735.6	1,508.9	12.00	11.98	0.81	
10,300.0	81.74	8.65	9,827.3	1,573.4	-721.6	1,603.9	12.00	11.98	0.69	
10,369.0	90.00	9.10	9,832.3	1,641.3	-711.0	1,671.3	12.00	11.98	0.65	
10,400.0	90.00	8.48	9,832.3	1,671.9	-706.2	1,701.7	2.00	0.00	-2.00	
10,500.0	90.00	6.48	9,832.3	1,771.1	-693.2	1,800.2	2.00	0.00	-2.00	
10,600.0	90.00	4.48	9,832.3	1,870.6	-683.7	1,899.2	2.00	0.00	-2.00	
10,700.0	90.00	2.48	9,832.3	1,970.4	-677.6	1,998.6	2.00	0.00	-2.00	
10,800.0	90.00	0.48	9,832.3	2,070.4	-675.0	2,098.4	2.00	0.00	-2.00	
10,835.4	90.00	359.77	9,832.3	2,105.8	-675.0	2,133.7	2.00	0.00	-2.00	
10,900.0	90.00	359.77	9,832.3	2,170.4	-675.2	2,198.3	0.00	0.00	0.00	
11,000.0	90.00	359.77	9,832.3	2,270.4	-675.6	2,298.2	0.00	0.00	0.00	
11,100.0	90.00	359.77	9,832.3	2,370.4	-676.0	2,398.1	0.00	0.00	0.00	
11,200.0	90.00	359.77	9,832.3	2,470.4	-676.4	2,498.0	0.00	0.00	0.00	

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well 157H
Company:	ROC	TVD Reference:	RKB30 @ 3456.0usft (H&P 552)
Project:	HP 552 - Eddy County, NM (NAD 27 NME)	MD Reference:	RKB30 @ 3456.0usft (H&P 552)
Site:	(HP 552) PLU 23 DTD Federal Com - Plans	North Reference:	Grid
Well:	157H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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)
11,300.0	90.00	359.77	9,832.3	2,570.4	-676.8	2,597.9	0.00	0.00	0.00
11,400.0	90.00	359.77	9,832.3	2,670.4	-677.2	2,697.9	0.00	0.00	0.00
11,500.0	90.00	359.77	9,832.3	2,770.4	-677.6	2,797.8	0.00	0.00	0.00
11,600.0	90.00	359.77	9,832.3	2,870.4	-678.0	2,897.7	0.00	0.00	0.00
11,700.0	90.00	359.77	9,832.3	2,970.4	-678.4	2,997.6	0.00	0.00	0.00
11,800.0	90.00	359.77	9,832.3	3,070.4	-678.8	3,097.5	0.00	0.00	0.00
11,900.0	90.00	359.77	9,832.3	3,170.4	-679.2	3,197.4	0.00	0.00	0.00
12,000.0	90.00	359.77	9,832.3	3,270.4	-679.6	3,297.4	0.00	0.00	0.00
12,100.0	90.00	359.77	9,832.4	3,370.4	-680.0	3,397.3	0.00	0.00	0.00
12,200.0	90.00	359.77	9,832.4	3,470.4	-680.4	3,497.2	0.00	0.00	0.00
12,300.0	90.00	359.77	9,832.4	3,570.4	-680.8	3,597.1	0.00	0.00	0.00
12,400.0	90.00	359.77	9,832.4	3,670.4	-681.2	3,697.0	0.00	0.00	0.00
12,500.0	90.00	359.77	9,832.4	3,770.4	-681.6	3,797.0	0.00	0.00	0.00
12,600.0	90.00	359.77	9,832.4	3,870.4	-682.0	3,896.9	0.00	0.00	0.00
12,700.0	90.00	359.77	9,832.4	3,970.4	-682.4	3,996.8	0.00	0.00	0.00
12,800.0	90.00	359.77	9,832.4	4,070.4	-682.8	4,096.7	0.00	0.00	0.00
12,900.0	90.00	359.77	9,832.4	4,170.4	-683.2	4,196.6	0.00	0.00	0.00
13,000.0	90.00	359.77	9,832.4	4,270.4	-683.6	4,296.5	0.00	0.00	0.00
13,100.0	90.00	359.77	9,832.4	4,370.4	-684.0	4,396.5	0.00	0.00	0.00
13,200.0	90.00	359.77	9,832.4	4,470.4	-684.4	4,496.4	0.00	0.00	0.00
13,300.0	90.00	359.77	9,832.4	4,570.4	-684.8	4,596.3	0.00	0.00	0.00
13,400.0	90.00	359.77	9,832.4	4,670.4	-685.2	4,696.2	0.00	0.00	0.00
13,500.0	90.00	359.77	9,832.4	4,770.4	-685.6	4,796.1	0.00	0.00	0.00
13,600.0	90.00	359.77	9,832.4	4,870.4	-686.0	4,896.1	0.00	0.00	0.00
13,700.0	90.00	359.77	9,832.4	4,970.4	-686.4	4,996.0	0.00	0.00	0.00
13,800.0	90.00	359.77	9,832.4	5,070.4	-686.8	5,095.9	0.00	0.00	0.00
13,900.0	90.00	359.77	9,832.4	5,170.4	-687.2	5,195.8	0.00	0.00	0.00
14,000.0	90.00	359.77	9,832.4	5,270.4	-687.6	5,295.7	0.00	0.00	0.00
14,100.0	90.00	359.77	9,832.5	5,370.4	-688.0	5,395.6	0.00	0.00	0.00
14,200.0	90.00	359.77	9,832.5	5,470.4	-688.4	5,495.6	0.00	0.00	0.00
14,300.0	90.00	359.77	9,832.5	5,570.4	-688.8	5,595.5	0.00	0.00	0.00
14,400.0	90.00	359.77	9,832.5	5,670.4	-689.2	5,695.4	0.00	0.00	0.00
14,500.0	90.00	359.77	9,832.5	5,770.4	-689.6	5,795.3	0.00	0.00	0.00
14,600.0	90.00	359.77	9,832.5	5,870.4	-690.0	5,895.2	0.00	0.00	0.00
14,700.0	90.00	359.77	9,832.5	5,970.4	-690.4	5,995.2	0.00	0.00	0.00
14,800.0	90.00	359.77	9,832.5	6,070.4	-690.8	6,095.1	0.00	0.00	0.00
14,900.0	90.00	359.77	9,832.5	6,170.4	-691.2	6,195.0	0.00	0.00	0.00
15,000.0	90.00	359.77	9,832.5	6,270.4	-691.6	6,294.9	0.00	0.00	0.00
15,100.0	90.00	359.77	9,832.5	6,370.4	-692.0	6,394.8	0.00	0.00	0.00
15,200.0	90.00	359.77	9,832.5	6,470.4	-692.4	6,494.7	0.00	0.00	0.00
15,300.0	90.00	359.77	9,832.5	6,570.4	-692.8	6,594.7	0.00	0.00	0.00
15,400.0	90.00	359.77	9,832.5	6,670.4	-693.2	6,694.6	0.00	0.00	0.00
15,500.0	90.00	359.77	9,832.5	6,770.4	-693.6	6,794.5	0.00	0.00	0.00
15,600.0	90.00	359.77	9,832.5	6,870.4	-694.0	6,894.4	0.00	0.00	0.00
15,700.0	90.00	359.77	9,832.5	6,970.4	-694.4	6,994.3	0.00	0.00	0.00
15,800.0	90.00	359.77	9,832.5	7,070.4	-694.8	7,094.3	0.00	0.00	0.00
15,900.0	90.00	359.77	9,832.5	7,170.4	-695.2	7,194.2	0.00	0.00	0.00
16,000.0	90.00	359.77	9,832.5	7,270.4	-695.6	7,294.1	0.00	0.00	0.00
16,100.0	90.00	359.77	9,832.6	7,370.4	-696.0	7,394.0	0.00	0.00	0.00
16,200.0	90.00	359.77	9,832.6	7,470.4	-696.4	7,493.9	0.00	0.00	0.00
16,300.0	90.00	359.77	9,832.6	7,570.4	-696.8	7,593.8	0.00	0.00	0.00
16,400.0	90.00	359.77	9,832.6	7,670.3	-697.2	7,693.8	0.00	0.00	0.00
16,500.0	90.00	359.77	9,832.6	7,770.3	-697.6	7,793.7	0.00	0.00	0.00
16,600.0	90.00	359.77	9,832.6	7,870.3	-698.0	7,893.6	0.00	0.00	0.00

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well 157H
Company:	ROC	TVD Reference:	RKB30 @ 3456.0usft (H&P 552)
Project:	HP 552 - Eddy County, NM (NAD 27 NME)	MD Reference:	RKB30 @ 3456.0usft (H&P 552)
Site:	(HP 552) PLU 23 DTD Federal Com - Plans	North Reference:	Grid
Well:	157H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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)	
16,700.0	90.00	359.77	9,832.6	7,970.3	-698.4	7,993.5	0.00	0.00	0.00	
16,800.0	90.00	359.77	9,832.6	8,070.3	-698.8	8,093.4	0.00	0.00	0.00	
16,900.0	90.00	359.77	9,832.6	8,170.3	-699.2	8,193.4	0.00	0.00	0.00	
17,000.0	90.00	359.77	9,832.6	8,270.3	-699.6	8,293.3	0.00	0.00	0.00	
17,100.0	90.00	359.77	9,832.6	8,370.3	-700.0	8,393.2	0.00	0.00	0.00	
17,200.0	90.00	359.77	9,832.6	8,470.3	-700.4	8,493.1	0.00	0.00	0.00	
17,300.0	90.00	359.77	9,832.6	8,570.3	-700.8	8,593.0	0.00	0.00	0.00	
17,400.0	90.00	359.77	9,832.6	8,670.3	-701.2	8,692.9	0.00	0.00	0.00	
17,500.0	90.00	359.77	9,832.6	8,770.3	-701.6	8,792.9	0.00	0.00	0.00	
17,600.0	90.00	359.77	9,832.6	8,870.3	-702.0	8,892.8	0.00	0.00	0.00	
17,700.0	90.00	359.77	9,832.6	8,970.3	-702.4	8,992.7	0.00	0.00	0.00	
17,800.0	90.00	359.77	9,832.6	9,070.3	-702.8	9,092.6	0.00	0.00	0.00	
17,900.0	90.00	359.77	9,832.6	9,170.3	-703.2	9,192.5	0.00	0.00	0.00	
18,000.0	90.00	359.77	9,832.6	9,270.3	-703.6	9,292.5	0.00	0.00	0.00	
18,100.0	90.00	359.77	9,832.7	9,370.3	-704.0	9,392.4	0.00	0.00	0.00	
18,200.0	90.00	359.77	9,832.7	9,470.3	-704.4	9,492.3	0.00	0.00	0.00	
18,300.0	90.00	359.77	9,832.7	9,570.3	-704.8	9,592.2	0.00	0.00	0.00	
18,400.0	90.00	359.77	9,832.7	9,670.3	-705.2	9,692.1	0.00	0.00	0.00	
18,500.0	90.00	359.77	9,832.7	9,770.3	-705.6	9,792.0	0.00	0.00	0.00	
18,600.0	90.00	359.77	9,832.7	9,870.3	-706.0	9,892.0	0.00	0.00	0.00	
18,700.0	90.00	359.77	9,832.7	9,970.3	-706.4	9,991.9	0.00	0.00	0.00	
18,800.0	90.00	359.77	9,832.7	10,070.3	-706.8	10,091.8	0.00	0.00	0.00	
18,900.0	90.00	359.77	9,832.7	10,170.3	-707.2	10,191.7	0.00	0.00	0.00	
19,000.0	90.00	359.77	9,832.7	10,270.3	-707.6	10,291.6	0.00	0.00	0.00	
19,100.0	90.00	359.77	9,832.7	10,370.3	-708.0	10,391.6	0.00	0.00	0.00	
19,200.0	90.00	359.77	9,832.7	10,470.3	-708.4	10,491.5	0.00	0.00	0.00	
19,300.0	90.00	359.77	9,832.7	10,570.3	-708.8	10,591.4	0.00	0.00	0.00	
19,400.0	90.00	359.77	9,832.7	10,670.3	-709.2	10,691.3	0.00	0.00	0.00	
19,500.0	90.00	359.77	9,832.7	10,770.3	-709.6	10,791.2	0.00	0.00	0.00	
19,600.0	90.00	359.77	9,832.7	10,870.3	-710.0	10,891.1	0.00	0.00	0.00	
19,700.0	90.00	359.77	9,832.7	10,970.3	-710.4	10,991.1	0.00	0.00	0.00	
19,800.0	90.00	359.77	9,832.7	11,070.3	-710.8	11,091.0	0.00	0.00	0.00	
19,900.0	90.00	359.77	9,832.7	11,170.3	-711.2	11,190.9	0.00	0.00	0.00	
20,000.0	90.00	359.77	9,832.7	11,270.3	-711.6	11,290.8	0.00	0.00	0.00	
20,100.0	90.00	359.77	9,832.8	11,370.3	-712.0	11,390.7	0.00	0.00	0.00	
20,200.0	90.00	359.77	9,832.8	11,470.3	-712.4	11,490.6	0.00	0.00	0.00	
20,300.0	90.00	359.77	9,832.8	11,570.3	-712.8	11,590.6	0.00	0.00	0.00	
20,400.0	90.00	359.77	9,832.8	11,670.3	-713.2	11,690.5	0.00	0.00	0.00	
20,500.0	90.00	359.77	9,832.8	11,770.3	-713.6	11,790.4	0.00	0.00	0.00	
20,600.0	90.00	359.77	9,832.8	11,870.3	-714.0	11,890.3	0.00	0.00	0.00	
20,700.0	90.00	359.77	9,832.8	11,970.3	-714.4	11,990.2	0.00	0.00	0.00	
20,800.0	90.00	359.77	9,832.8	12,070.3	-714.8	12,090.2	0.00	0.00	0.00	
20,900.0	90.00	359.77	9,832.8	12,170.3	-715.2	12,190.1	0.00	0.00	0.00	
21,000.0	90.00	359.77	9,832.8	12,270.3	-715.6	12,290.0	0.00	0.00	0.00	
21,100.0	90.00	359.77	9,832.8	12,370.3	-716.0	12,389.9	0.00	0.00	0.00	
21,200.0	90.00	359.77	9,832.8	12,470.3	-716.4	12,489.8	0.00	0.00	0.00	
21,300.0	90.00	359.77	9,832.8	12,570.3	-716.8	12,589.7	0.00	0.00	0.00	
21,400.0	90.00	359.77	9,832.8	12,670.3	-717.2	12,689.7	0.00	0.00	0.00	
21,500.0	90.00	359.77	9,832.8	12,770.3	-717.6	12,789.6	0.00	0.00	0.00	
21,600.0	90.00	359.77	9,832.8	12,870.3	-718.0	12,889.5	0.00	0.00	0.00	
21,700.0	90.00	359.77	9,832.8	12,970.3	-718.4	12,989.4	0.00	0.00	0.00	
21,800.0	90.00	359.77	9,832.8	13,070.3	-718.8	13,089.3	0.00	0.00	0.00	
21,900.0	90.00	359.77	9,832.8	13,170.3	-719.2	13,189.3	0.00	0.00	0.00	
22,000.0	90.00	359.77	9,832.8	13,270.3	-719.6	13,289.2	0.00	0.00	0.00	

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well 157H
Company:	ROC	TVD Reference:	RKB30 @ 3456.0usft (H&P 552)
Project:	HP 552 - Eddy County, NM (NAD 27 NME)	MD Reference:	RKB30 @ 3456.0usft (H&P 552)
Site:	(HP 552) PLU 23 DTD Federal Com - Plans	North Reference:	Grid
Well:	157H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
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)
22,100.0	90.00	359.77	9,832.9	13,370.3	-720.0	13,389.1	0.00	0.00	0.00
22,200.0	90.00	359.77	9,832.9	13,470.3	-720.4	13,489.0	0.00	0.00	0.00
22,300.0	90.00	359.77	9,832.9	13,570.3	-720.8	13,588.9	0.00	0.00	0.00
22,400.0	90.00	359.77	9,832.9	13,670.3	-721.2	13,688.8	0.00	0.00	0.00
22,500.0	90.00	359.77	9,832.9	13,770.3	-721.6	13,788.8	0.00	0.00	0.00
22,600.0	90.00	359.77	9,832.9	13,870.3	-722.0	13,888.7	0.00	0.00	0.00
22,700.0	90.00	359.77	9,832.9	13,970.3	-722.4	13,988.6	0.00	0.00	0.00
22,800.0	90.00	359.77	9,832.9	14,070.3	-722.8	14,088.5	0.00	0.00	0.00
22,900.0	90.00	359.77	9,832.9	14,170.3	-723.2	14,188.4	0.00	0.00	0.00
23,000.0	90.00	359.77	9,832.9	14,270.3	-723.6	14,288.4	0.00	0.00	0.00
23,100.0	90.00	359.77	9,832.9	14,370.3	-724.0	14,388.3	0.00	0.00	0.00
23,200.0	90.00	359.77	9,832.9	14,470.3	-724.4	14,488.2	0.00	0.00	0.00
23,300.0	90.00	359.77	9,832.9	14,570.3	-724.8	14,588.1	0.00	0.00	0.00
23,400.0	90.00	359.77	9,832.9	14,670.3	-725.2	14,688.0	0.00	0.00	0.00
23,500.0	90.00	359.77	9,832.9	14,770.3	-725.6	14,787.9	0.00	0.00	0.00
23,600.0	90.00	359.77	9,832.9	14,870.3	-726.0	14,887.9	0.00	0.00	0.00
23,700.0	90.00	359.77	9,832.9	14,970.3	-726.4	14,987.8	0.00	0.00	0.00
23,800.0	90.00	359.77	9,832.9	15,070.3	-726.8	15,087.7	0.00	0.00	0.00
23,900.0	90.00	359.77	9,832.9	15,170.3	-727.2	15,187.6	0.00	0.00	0.00
24,000.0	90.00	359.77	9,832.9	15,270.3	-727.6	15,287.5	0.00	0.00	0.00
24,100.0	90.00	359.77	9,833.0	15,370.3	-728.0	15,387.5	0.00	0.00	0.00
24,200.0	90.00	359.77	9,833.0	15,470.3	-728.4	15,487.4	0.00	0.00	0.00
24,300.0	90.00	359.77	9,833.0	15,570.3	-728.8	15,587.3	0.00	0.00	0.00
24,400.0	90.00	359.77	9,833.0	15,670.3	-729.2	15,687.2	0.00	0.00	0.00
24,500.0	90.00	359.77	9,833.0	15,770.3	-729.6	15,787.1	0.00	0.00	0.00
24,600.0	90.00	359.77	9,833.0	15,870.3	-730.0	15,887.0	0.00	0.00	0.00
24,700.0	90.00	359.77	9,833.0	15,970.3	-730.4	15,987.0	0.00	0.00	0.00
24,800.0	90.00	359.77	9,833.0	16,070.3	-730.8	16,086.9	0.00	0.00	0.00
24,900.0	90.00	359.77	9,833.0	16,170.3	-731.2	16,186.8	0.00	0.00	0.00
25,000.0	90.00	359.77	9,833.0	16,270.3	-731.6	16,286.7	0.00	0.00	0.00
25,055.3	90.00	359.77	9,833.0	16,325.6	-731.8	16,342.0	0.00	0.00	0.00
25,100.0	90.00	359.77	9,833.0	16,370.3	-732.0	16,386.6	0.00	0.00	0.00
25,185.3	90.00	359.77	9,833.0	16,455.6	-732.3	16,471.9	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
KOP 157H v2 - hit/miss target - Shape	0.00	0.00	9,508.0	1,191.8	-765.2	440,997.50	649,306.90	32° 12' 41.391 N	103° 51' 2.092 W
BHL 157H - plan hits target center - Rectangle (sides W100.0 H15,525.5 D0.0)	0.00	359.77	9,833.0	16,455.6	-732.3	456,261.30	649,339.80	32° 15' 12.440 N	103° 51' 0.910 W
LTP 157H - plan hits target center - Rectangle (sides W660.0 H15,395.5 D0.0)	0.00	359.77	9,833.0	16,325.6	-731.8	456,131.30	649,340.30	32° 15' 11.154 N	103° 51' 0.911 W
FTP 157H - plan misses target center by 391.3usft at 9900.0usft MD (9620.2 TVD, 1247.3 N, -762.5 E) - Point	0.00	0.00	9,833.0	932.6	-668.9	440,738.30	649,403.20	32° 12' 38.822 N	103° 51' 0.984 W

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well 157H
Company:	ROC	TVD Reference:	RKB30 @ 3456.0usft (H&P 552)
Project:	HP 552 - Eddy County, NM (NAD 27 NME)	MD Reference:	RKB30 @ 3456.0usft (H&P 552)
Site:	(HP 552) PLU 23 DTD Federal Com - Plans	North Reference:	Grid
Well:	157H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 2		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
507.0	507.0	Rustler				
865.0	865.0	Top Salt				
3,886.8	3,850.0	Base Salt				
4,118.4	4,078.0	Delaware				
5,055.1	5,000.0	Cherry Canyon				
6,376.2	6,293.0	Brushy Canyon				
7,796.8	7,637.0	Basal Brushy Canyon				
8,075.8	7,901.0	Bone Spring				
8,102.3	7,926.0	Bone Spring Lime Fm				
8,218.5	8,036.0	Avalon Shale				
8,519.8	8,321.0	Avalon Lime				
8,685.7	8,478.0	Lower Avalon Shale				
8,892.9	8,674.0	1st Bone Spring Lime				
9,138.1	8,906.0	1st Bone Spring Ss				
9,609.5	9,352.0	2nd Bone Spring Lime				
9,951.0	9,661.0	2nd Bone Spring Ss				
10,274.6	9,823.0	2nd Bone Spring A Sand				
25,055.3	9,833.0	LP				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,200.0	1,200.0	0.0	0.0	Begin 2°/100 Build	
1,707.9	1,705.2	-5.4	-44.6	Hold 10.16° Inc at 263.11° Azm	
5,256.2	5,197.9	-80.5	-665.8	Begin 2°/100 Build	
6,377.2	6,294.0	91.4	-765.2	Hold 18.90° Inc at 0° Azm	
9,774.4	9,508.0	1,191.8	-765.2	KOP, Begin 12°/100 Build	
10,369.0	9,832.3	1,641.3	-711.0	LP, Hold 90° Inc, Begin 2°/100 Turn	
10,835.4	9,832.3	2,105.8	-675.0	Hold 359.77° Azm	
25,055.3	9,833.0	16,325.6	-731.8	LTP	
25,185.3	9,833.0	16,455.6	-732.3	TD at 25185.3	

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

CONDITIONS

Action 473005

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 473005
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	7/22/2025