

Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-49440
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Poker Lake Unit 16 TWR
8. Well Number 124H
9. OGRID Number 373075
10. Pool name or Wildcat Purple Sage; Wolfcamp (gas) (98220)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3511' GR

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator
XTO Permian Operating, LLC.

3. Address of Operator
6401 Holiday Hill Road - Building 5 - Midland, TX 79707

4. Well Location
Unit Letter C : 515 feet from the North line and 2290 feet from the West line
Section 21 Township 24S Range 31E NMPM Eddy County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please see attached approved BLM Sundry ID 2808888 requesting approval to make the following changes to the approved APD for the Poker Lake Unit 16 TWR 124H:

Pool Change/Code: FROM: Purple Sage; Wolfcamp (gas) (98220) TO: Cotton Draw; Bone Spring, South (96546)

Dedicated Acreage: TO: 640 acres

There will be no additional surface disturbances.

Attachments: C-102 & Directional Survey

NOTE: OCD rejected original submission of Sundry ID 2808888 - requested additional directional survey

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Rusty Klein TITLE Regulatory Analyst DATE May 20, 2025

Type or print name RUSTY KLEIN E-mail address: ranell.klein@exxonmobil.com PHONE: 575-703-6412

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Well Name: POKER LAKE UNIT 16 TWR	Well Location: T24S / R31E / SEC 21 / NENW / 32.208675 / -103.78389	County or Parish/State: EDDY / NM
Well Number: 124H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0506A	Unit or CA Name: POKER LAKE UNIT	Unit or CA Number: NMNM71016X
US Well Number: 3001549440	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2808888

Type of Submission: Notice of Intent

Date Sundry Submitted: 08/28/2024

Date proposed operation will begin: 08/28/2024

Type of Action: APD Change

Time Sundry Submitted: 09:46

Procedure Description: XTO respectfully requests to make the following changes: Pool name from: Purple Sage; Wolfcamp to: COTTON DRAW; BONE SPRING, SOUTH; Pool Code from: 98220 to: 96546; dedicated acreage to: 640.00 Acres. No additional surface distributions. Attachments: C-102.

NOI Attachments

Procedure Description

618.013003.13_04_XTO_POKER_LAKE_UNIT_16_TWR_124H_C_102_FINAL_08_23_2024_20240828094552.pdf

Received by OCD: 5/20/2025 11:58:49 AM

Page 3 of 21

Well Name: POKER LAKE UNIT 16 TWR	Well Location: T24S / R31E / SEC 21 / NENW / 32.208675 / -103.78389	County or Parish/State: EDDY / NM
Well Number: 124H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0506A	Unit or CA Name: POKER LAKE UNIT	Unit or CA Number: NMNM71016X
US Well Number: 3001549440	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: SHARMON TUBBS

Signed on: AUG 28, 2024 09:46 AM

Name: XTO PERMIAN OPERATING LLC

Title: Data Entry Clerk

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRINGState: TX

Phone: (346) 502-7023

Email address: SHARMON.TUBBS@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: 11/01/2024

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 <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		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.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State

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 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

Location of Well

0. SHL: NENW / 515 FNL / 2290 FWL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.208675 / LONG: -103.78389 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 330 FNL / 2178 FWL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.209182 / LONG: -103.784252 (TVD: 11919 feet, MD: 12293 feet)

BHL: SESW / 200 FSL / 2178 FWL / TWSP: 24S / RANGE: 31E / SECTION: 28 / LAT: 32.181603 / LONG: -103.784216 (TVD: 11919 feet, MD: 22326 feet)

C-102 Sumbit electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONVERSION DIVISION	Revised July, 09 2024	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

WELL LOCATION INFORMATION			
API Number 30-015-49440	Pool Code 96546	Pool Name COTTON DRAW; BONE SPRING, SOUTH	
Property Code	Property Name POKER LAKE UNIT 16 TWR	Well Number 124H	
OGRID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3,511'	
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal	

Surface Hole Location									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
C	21	24S	31E		515 FNL	2,290 FWL	32.208675	-103.783890	EDDY

Bottom Hole Location									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	28	24S	31E		50 FSL	920 FWL	32.181188	-103.788281	EDDY

Dedicated Acres 640.00	Infill or Defining Well INFILL	Defining Well API 30-015-47415	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers.			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
C	21	24S	31E		515 FNL	2,290 FWL	32.208675	-103.783890	EDDY

First Take Point (FTP)									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	21	24S	31E		330 FNL	920 FWL	32.209181	-103.788319	EDDY

Last Take Point (LTP)									
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	28	24S	31E		100 FSL	920 FWL	32.181325	-103.788281	EDDY

Unitized Area of Area of Interest	Spacing Unit Type : ☐ Horizontal ☐ Vertical	Ground Elevation
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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 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 at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or a voluntary pooling agreement or a compulsory pooling order of 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 information) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> Richard L Redus 8/26/2024 SignatureDate Richard L Redus Printed Name richard.l.redus@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 MARK DILLON HARP 23786 8/23/2024 Certificate NumberDate of Survey DN618.013003.13-04
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Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

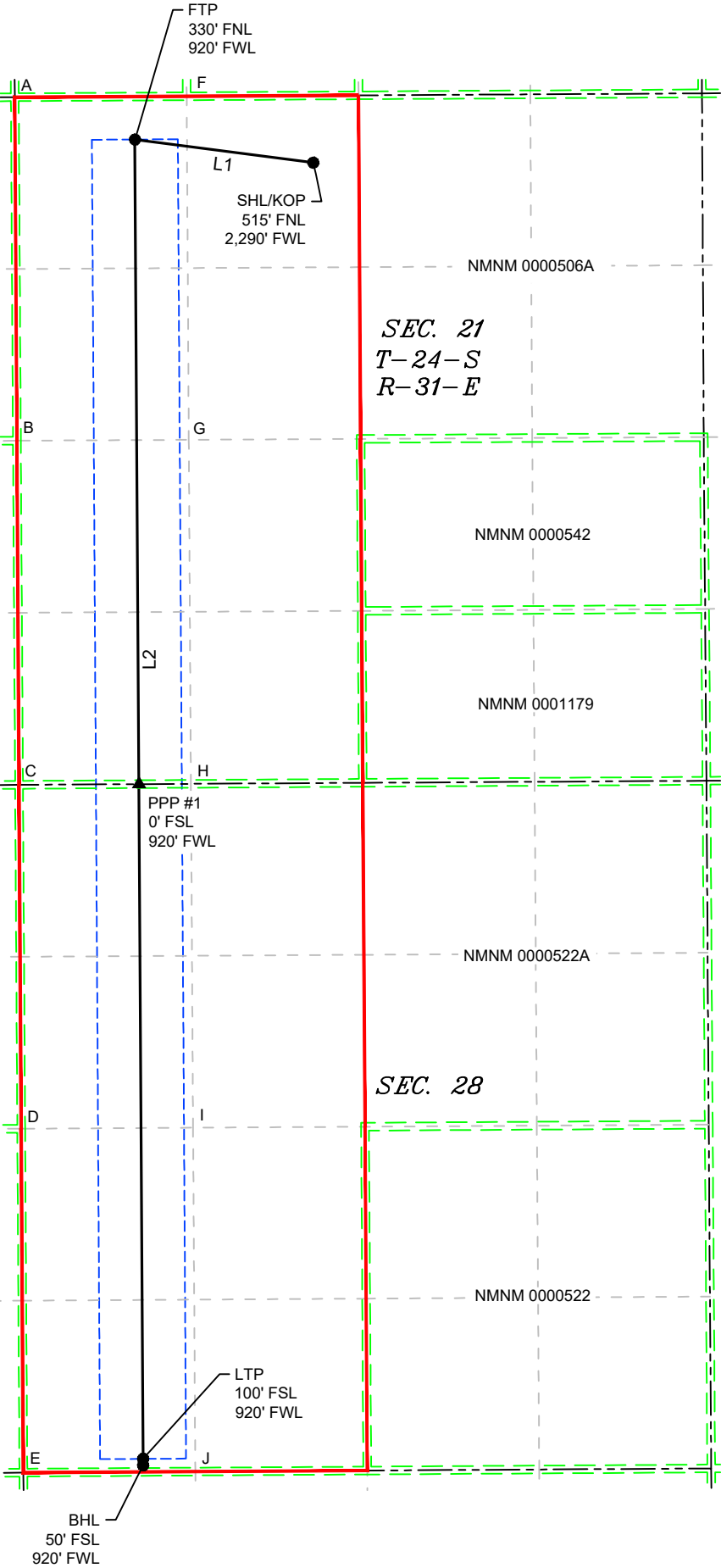
ACREAGE DEDICATION PLATS

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 a 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 then the First Take Point and Last Take Point) that is closest to any outer boundary of the tract.

Surveyor shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land in not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

LEGEND

- SECTION LINE
- PROPOSED WELL BORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- ALLOCATION AREA



LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	277°21'42"	1,382.17'
L2	179°38'36"	10,183.61'

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			SHL/KOP (NAD 27 NME)		
Y =	440,084.4	N	Y =	440,025.5	N
X =	711,272.6	E	X =	670,088.6	E
LAT. =	32.208675	°N	LAT. =	32.208551	°N
LONG. =	103.783890	°W	LONG. =	103.783406	°W
FTP (NAD 83 NME)			FTP (NAD 27 NME)		
Y =	440,261.5	N	Y =	440,202.6	N
X =	709,901.9	E	X =	668,717.9	E
LAT. =	32.209181	°N	LAT. =	32.209057	°N
LONG. =	103.788319	°W	LONG. =	103.787835	°W
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	435,310.2	N	Y =	435,251.4	N
X =	709,932.7	E	X =	668,748.5	E
LAT. =	32.195570	°N	LAT. =	32.195447	°N
LONG. =	103.788300	°W	LONG. =	103.787817	°W
LTP (NAD 83 NME)			LTP (NAD 27 NME)		
Y =	430,127.9	N	Y =	430,069.3	N
X =	709,965.0	E	X =	668,780.6	E
LAT. =	32.181325	°N	LAT. =	32.181201	°N
LONG. =	103.788281	°W	LONG. =	103.787798	°W
BHL (NAD 83 NME)			BHL (NAD 27 NME)		
Y =	430,078.1	N	Y =	430,019.5	N
X =	709,965.2	E	X =	668,780.9	E
LAT. =	32.181188	°N	LAT. =	32.181064	°N
LONG. =	103.788281	°W	LONG. =	103.787798	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	440,586.4	N	A - X =	708,979.7	E
B - Y =	437,947.7	N	B - X =	708,996.2	E
C - Y =	435,304.7	N	C - X =	709,012.3	E
D - Y =	432,663.6	N	D - X =	709,028.9	E
E - Y =	430,022.4	N	E - X =	709,045.5	E
F - Y =	440,593.6	N	F - X =	710,299.6	E
G - Y =	437,954.7	N	G - X =	710,316.0	E
H - Y =	435,312.5	N	H - X =	710,332.2	E
I - Y =	432,671.3	N	I - X =	710,349.1	E
J - Y =	430,030.3	N	J - X =	710,366.1	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	440,527.5	N	A - X =	667,795.7	E
B - Y =	437,888.9	N	B - X =	667,812.2	E
C - Y =	435,246.0	N	C - X =	667,828.1	E
D - Y =	432,604.9	N	D - X =	667,844.7	E
E - Y =	429,963.8	N	E - X =	667,861.2	E
F - Y =	440,534.7	N	F - X =	669,115.6	E
G - Y =	437,895.9	N	G - X =	669,132.0	E
H - Y =	435,253.7	N	H - X =	669,148.1	E
I - Y =	432,612.7	N	I - X =	669,164.9	E
J - Y =	429,971.7	N	J - X =	669,181.7	E

DN

618.013003.13-04

\\618.013 XTO Energy - NM\003 Poker Lake Unit\13 - PLU 16 TWR - EDDY\Wells\13 - 124H\DWG\124H C-102.dwg



Project: X32 - EDDY COUNTY, NM
Site: X32 - PLU 16 TWR, Pad B - Plans
Well: PLU 16 TWR 124H
Wellbore: ST01
Design: ST01 - Plan 5

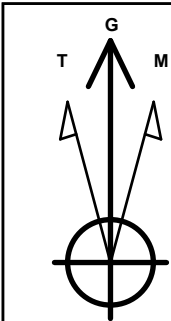
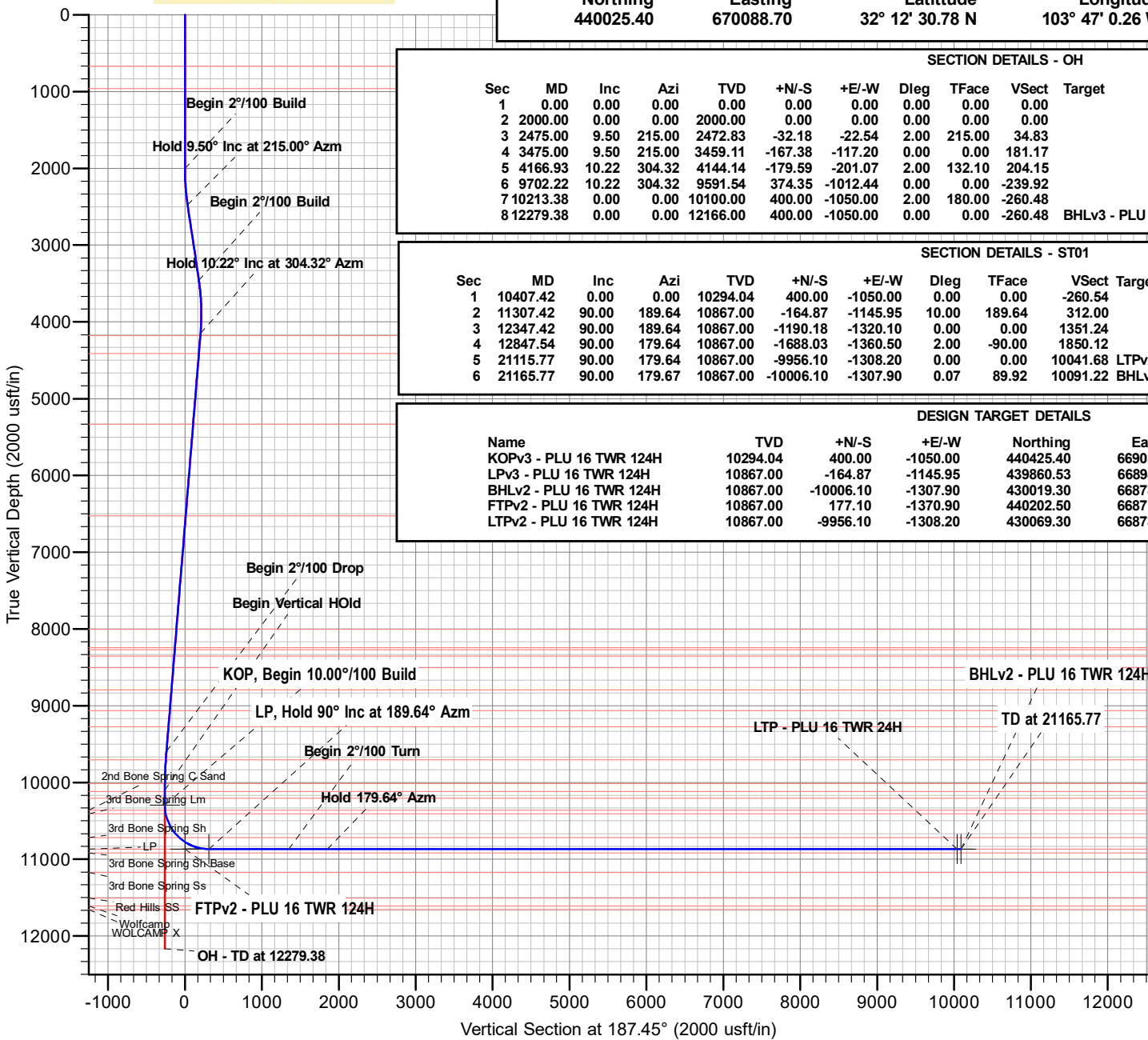
TO CORRECT GYROSCOPE AZIMUTH SURVEY FROM
MAGNETIC TO GRID SUBTRACT 0.29 DEGREES

TO CORRECT MWD AZIMUTH SURVEY FROM
MAGNETIC TO GRID ADD (+) 6.25 DEGREES

WELL DETAILS: PLU 16 TWR 124H

Ground Elevation: 3511.00
RKB Elevation: RKB33 @ 3543.00usft (X32)
Rig Name: X32

Northing 440025.40 Easting 670088.70 Latitude 32° 12' 30.78 N Longitude 103° 47' 0.26 W

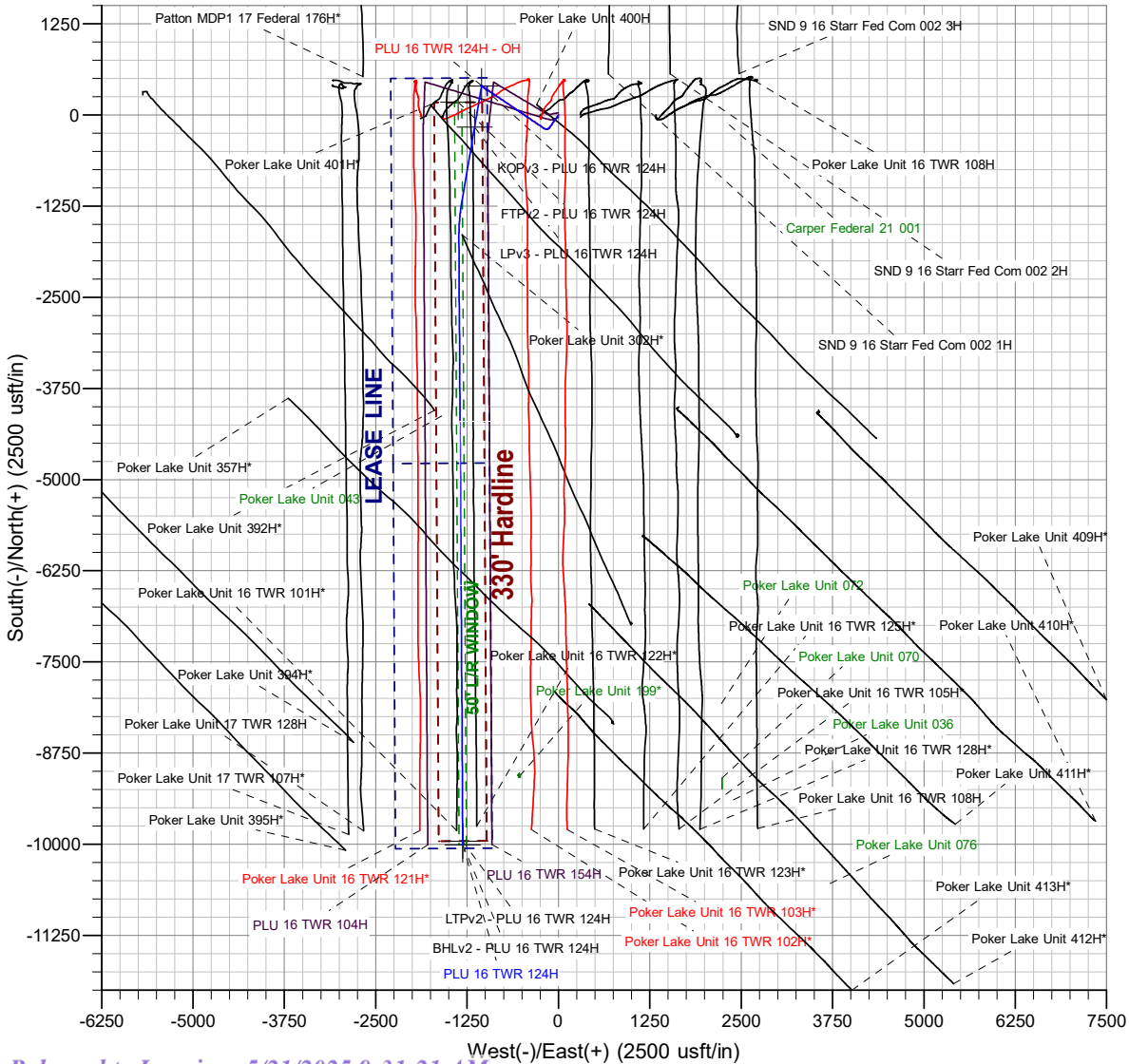
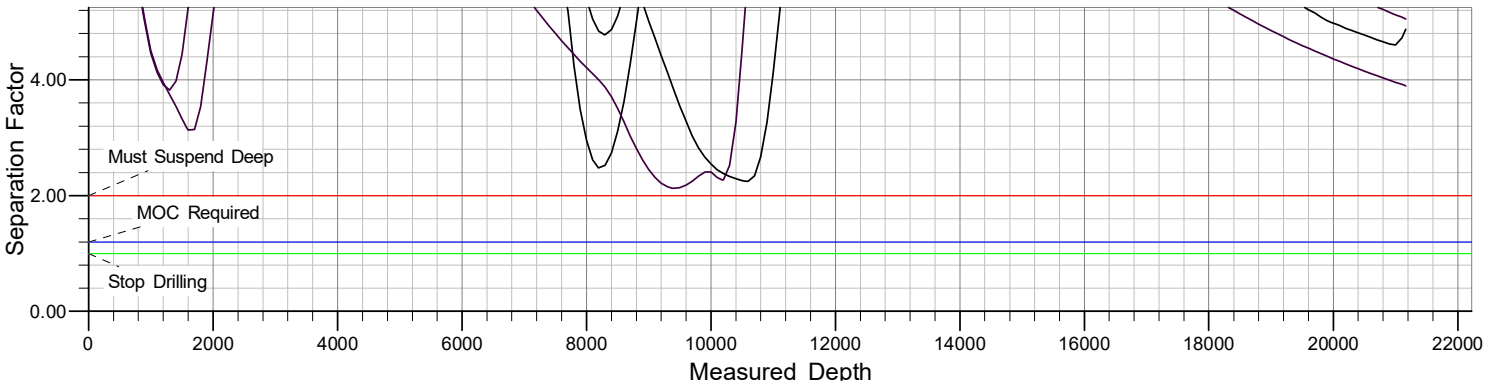


Azimuths to Grid North
True North: -0.29°
Magnetic North: 6.25°

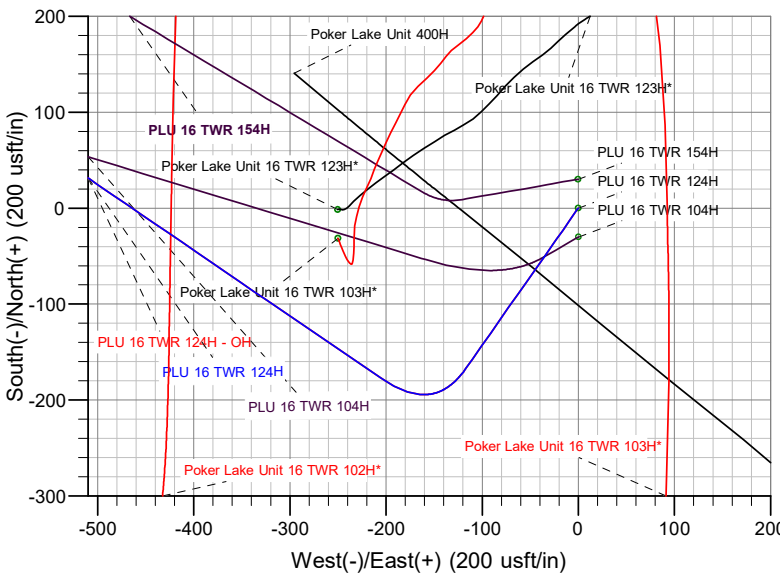
Magnetic Field
Strength: 47371.4snT
Dip Angle: 59.83°
Date: 4/29/2022
Model: IGRF2020

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
670.00	670.00	Rustler
960.00	960.00	Top Salt
4176.00	4199.31	Base Salt
4412.00	4439.11	Delaware
5330.00	5371.92	Cherry Canyon
6525.00	6586.20	Brushy Canyon
8003.00	8088.05	Basal Brushy Canyon
8245.00	8333.95	Bone Spring
8270.00	8359.35	Bone Spring Lime Fm
8354.00	8444.71	Avalon Shale
8504.00	8597.13	Avalon Lime
8795.00	8892.82	Lower Avalon Shale
9063.00	9165.15	1st Bone Spring Lime
9274.00	9379.55	1st Bone Spring Ss
9704.00	9816.11	2nd Bone Spring Lime
10012.00	10125.37	2nd Bone Spring Ss
10118.00	10231.38	2nd Bone Spring A Sand
10205.00	10318.38	2nd Bone Spring T/B Carb
10360.00	10473.53	2nd Bone Spring C Sand
10408.00	10522.15	3rd Bone Spring Lm
10716.00	10881.73	3rd Bone Spring Sh
10867.00	11307.42	LP



Legend	
Description	Color
Well plan	Blue
Actual surveys of well plan	Orange
High producing well with SF >2 in intermediate or SF >1.2 in production vertical, curve or lateral	Red
Actively drilling, drilled and not completed or planned well with SF >2 in intermediate or SF >1.2 in production vertical, curve or lateral	Pink
Historical well (inclination only, standard SF not used)	Green
Wells that do not fall within SF of >2 in intermediate or SF >1.2 in production vertical, curve or lateral	Black





ROC

X32 - EDDY COUNTY, NM
X32 - PLU 16 TWR, Pad B - Plans
PLU 16 TWR 124H

PLU 16 TWR 124H - OH

Plan: Plan 3 - OH

Standard Planning Report

27 June, 2022





ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 16 TWR 124H - OH		
Design:	Plan 3 - OH		

Project	X32 - EDDY COUNTY, NM, Remuda North 25 State Pad B		
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	X32 - PLU 16 TWR, Pad B - Plans		
Site Position:		Northing:	440,055.60 usft
From:	Map	Easting:	670,088.50 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32° 12' 31.08 N
		Longitude:	103° 47' 0.26 W
		Grid Convergence:	0.29 °

Well	PLU 16 TWR 124H		
Well Position	+N/-S	-30.20 usft	Northing:
	+E/-W	0.20 usft	Easting:
Position Uncertainty		0.00 usft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	PLU 16 TWR 124H - OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	4/29/2022	6.54
			Dip Angle (°)
			59.83
			Field Strength (nT)
			47,371.41020251

Design	Plan 3 - OH		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			187.45

Plan Survey Tool Program	Date	6/27/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	12,279.38	Plan 3 - OH (PLU 16 TWR 124H	XOM_R2OWSG MWD+IFF
				OWSG MWD + IFR1 + Mult

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,475.00	9.50	215.00	2,472.83	-32.18	-22.54	2.00	2.00	0.00	215.00	
3,475.00	9.50	215.00	3,459.11	-167.38	-117.20	0.00	0.00	0.00	0.00	
4,166.93	10.22	304.32	4,144.14	-179.59	-201.07	2.00	0.10	12.91	132.10	
9,702.22	10.22	304.32	9,591.54	374.35	-1,012.44	0.00	0.00	0.00	0.00	
10,213.38	0.00	0.00	10,100.00	400.00	-1,050.00	2.00	-2.00	0.00	180.00	
12,279.38	0.00	0.00	12,166.00	400.00	-1,050.00	0.00	0.00	0.00	0.00	



ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 16 TWR 124H - OH		
Design:	Plan 3 - OH		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin 2°/100 Build									
2,100.00	2.00	215.00	2,099.98	-1.43	-1.00	1.55	2.00	2.00	0.00
2,200.00	4.00	215.00	2,199.84	-5.72	-4.00	6.19	2.00	2.00	0.00
2,300.00	6.00	215.00	2,299.45	-12.86	-9.00	13.91	2.00	2.00	0.00
2,400.00	8.00	215.00	2,398.70	-22.84	-15.99	24.72	2.00	2.00	0.00
2,475.00	9.50	215.00	2,472.83	-32.18	-22.54	34.83	2.00	2.00	0.00
Hold 9.50° Inc at 215.00° Azm									
2,500.00	9.50	215.00	2,497.48	-35.56	-24.90	38.49	0.00	0.00	0.00
2,600.00	9.50	215.00	2,596.11	-49.08	-34.37	53.13	0.00	0.00	0.00
2,700.00	9.50	215.00	2,694.74	-62.60	-43.84	67.76	0.00	0.00	0.00
2,800.00	9.50	215.00	2,793.37	-76.12	-53.30	82.39	0.00	0.00	0.00
2,900.00	9.50	215.00	2,892.00	-89.64	-62.77	97.03	0.00	0.00	0.00
3,000.00	9.50	215.00	2,990.63	-103.16	-72.24	111.66	0.00	0.00	0.00
3,100.00	9.50	215.00	3,089.26	-116.68	-81.70	126.29	0.00	0.00	0.00
3,200.00	9.50	215.00	3,187.88	-130.20	-91.17	140.92	0.00	0.00	0.00
3,300.00	9.50	215.00	3,286.51	-143.72	-100.64	155.56	0.00	0.00	0.00
3,400.00	9.50	215.00	3,385.14	-157.24	-110.10	170.19	0.00	0.00	0.00
3,475.00	9.50	215.00	3,459.11	-167.38	-117.20	181.17	0.00	0.00	0.00
Begin 2°/100 Build									
3,500.00	9.17	217.33	3,483.78	-170.66	-119.59	184.72	2.00	-1.31	9.31
3,600.00	8.04	228.38	3,582.66	-181.64	-129.66	196.92	2.00	-1.13	11.05
3,700.00	7.29	242.33	3,681.78	-189.23	-140.50	205.85	2.00	-0.75	13.95
3,800.00	7.03	258.30	3,781.01	-193.42	-152.11	211.51	2.00	-0.25	15.97
3,900.00	7.34	274.15	3,880.23	-194.20	-164.48	213.88	2.00	0.30	15.85
4,000.00	8.14	287.83	3,979.33	-191.57	-177.59	212.98	2.00	0.80	13.67
4,100.00	9.30	298.60	4,078.18	-185.53	-191.42	208.79	2.00	1.16	10.77
4,166.93	10.22	304.32	4,144.14	-179.59	-201.07	204.15	2.00	1.38	8.55
Hold 10.22° Inc at 304.32° Azm									
4,200.00	10.22	304.32	4,176.68	-176.28	-205.92	201.50	0.00	0.00	0.00
4,300.00	10.22	304.32	4,275.10	-166.28	-220.58	193.47	0.00	0.00	0.00
4,400.00	10.22	304.32	4,373.51	-156.27	-235.24	185.45	0.00	0.00	0.00
4,500.00	10.22	304.32	4,471.92	-146.26	-249.90	177.43	0.00	0.00	0.00
4,600.00	10.22	304.32	4,570.33	-136.25	-264.55	169.41	0.00	0.00	0.00
4,700.00	10.22	304.32	4,668.75	-126.25	-279.21	161.38	0.00	0.00	0.00
4,800.00	10.22	304.32	4,767.16	-116.24	-293.87	153.36	0.00	0.00	0.00
4,900.00	10.22	304.32	4,865.57	-106.23	-308.53	145.34	0.00	0.00	0.00
5,000.00	10.22	304.32	4,963.98	-96.22	-323.19	137.32	0.00	0.00	0.00
5,100.00	10.22	304.32	5,062.39	-86.22	-337.84	129.29	0.00	0.00	0.00
5,200.00	10.22	304.32	5,160.81	-76.21	-352.50	121.27	0.00	0.00	0.00
5,300.00	10.22	304.32	5,259.22	-66.20	-367.16	113.25	0.00	0.00	0.00
5,400.00	10.22	304.32	5,357.63	-56.19	-381.82	105.23	0.00	0.00	0.00
5,500.00	10.22	304.32	5,456.04	-46.19	-396.48	97.20	0.00	0.00	0.00
5,600.00	10.22	304.32	5,554.46	-36.18	-411.13	89.18	0.00	0.00	0.00
5,700.00	10.22	304.32	5,652.87	-26.17	-425.79	81.16	0.00	0.00	0.00
5,800.00	10.22	304.32	5,751.28	-16.16	-440.45	73.14	0.00	0.00	0.00
5,900.00	10.22	304.32	5,849.69	-6.16	-455.11	65.11	0.00	0.00	0.00
6,000.00	10.22	304.32	5,948.11	3.85	-469.77	57.09	0.00	0.00	0.00
6,100.00	10.22	304.32	6,046.52	13.86	-484.42	49.07	0.00	0.00	0.00
6,200.00	10.22	304.32	6,144.93	23.87	-499.08	41.05	0.00	0.00	0.00
6,300.00	10.22	304.32	6,243.34	33.87	-513.74	33.02	0.00	0.00	0.00
6,400.00	10.22	304.32	6,341.76	43.88	-528.40	25.00	0.00	0.00	0.00



ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 16 TWR 124H - OH		
Design:	Plan 3 - OH		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,500.00	10.22	304.32	6,440.17	53.89	-543.06	16.98	0.00	0.00	0.00	
6,600.00	10.22	304.32	6,538.58	63.90	-557.71	8.96	0.00	0.00	0.00	
6,700.00	10.22	304.32	6,636.99	73.91	-572.37	0.93	0.00	0.00	0.00	
6,800.00	10.22	304.32	6,735.40	83.91	-587.03	-7.09	0.00	0.00	0.00	
6,900.00	10.22	304.32	6,833.82	93.92	-601.69	-15.11	0.00	0.00	0.00	
7,000.00	10.22	304.32	6,932.23	103.93	-616.35	-23.13	0.00	0.00	0.00	
7,100.00	10.22	304.32	7,030.64	113.94	-631.00	-31.16	0.00	0.00	0.00	
7,200.00	10.22	304.32	7,129.05	123.94	-645.66	-39.18	0.00	0.00	0.00	
7,300.00	10.22	304.32	7,227.47	133.95	-660.32	-47.20	0.00	0.00	0.00	
7,400.00	10.22	304.32	7,325.88	143.96	-674.98	-55.22	0.00	0.00	0.00	
7,500.00	10.22	304.32	7,424.29	153.97	-689.64	-63.25	0.00	0.00	0.00	
7,600.00	10.22	304.32	7,522.70	163.97	-704.29	-71.27	0.00	0.00	0.00	
7,700.00	10.22	304.32	7,621.12	173.98	-718.95	-79.29	0.00	0.00	0.00	
7,800.00	10.22	304.32	7,719.53	183.99	-733.61	-87.31	0.00	0.00	0.00	
7,900.00	10.22	304.32	7,817.94	194.00	-748.27	-95.34	0.00	0.00	0.00	
8,000.00	10.22	304.32	7,916.35	204.00	-762.93	-103.36	0.00	0.00	0.00	
8,100.00	10.22	304.32	8,014.77	214.01	-777.58	-111.38	0.00	0.00	0.00	
8,200.00	10.22	304.32	8,113.18	224.02	-792.24	-119.40	0.00	0.00	0.00	
8,300.00	10.22	304.32	8,211.59	234.03	-806.90	-127.43	0.00	0.00	0.00	
8,400.00	10.22	304.32	8,310.00	244.03	-821.56	-135.45	0.00	0.00	0.00	
8,500.00	10.22	304.32	8,408.41	254.04	-836.22	-143.47	0.00	0.00	0.00	
8,600.00	10.22	304.32	8,506.83	264.05	-850.87	-151.50	0.00	0.00	0.00	
8,700.00	10.22	304.32	8,605.24	274.06	-865.53	-159.52	0.00	0.00	0.00	
8,800.00	10.22	304.32	8,703.65	284.06	-880.19	-167.54	0.00	0.00	0.00	
8,900.00	10.22	304.32	8,802.06	294.07	-894.85	-175.56	0.00	0.00	0.00	
9,000.00	10.22	304.32	8,900.48	304.08	-909.51	-183.59	0.00	0.00	0.00	
9,100.00	10.22	304.32	8,998.89	314.09	-924.16	-191.61	0.00	0.00	0.00	
9,200.00	10.22	304.32	9,097.30	324.09	-938.82	-199.63	0.00	0.00	0.00	
9,300.00	10.22	304.32	9,195.71	334.10	-953.48	-207.65	0.00	0.00	0.00	
9,400.00	10.22	304.32	9,294.13	344.11	-968.14	-215.68	0.00	0.00	0.00	
9,500.00	10.22	304.32	9,392.54	354.12	-982.80	-223.70	0.00	0.00	0.00	
9,600.00	10.22	304.32	9,490.95	364.12	-997.45	-231.72	0.00	0.00	0.00	
9,700.00	10.22	304.32	9,589.36	374.13	-1,012.11	-239.74	0.00	0.00	0.00	
9,702.22	10.22	304.32	9,591.55	374.35	-1,012.44	-239.92	0.00	0.00	0.00	
Begin 2°/100 Drop										
9,800.00	8.27	304.32	9,688.05	383.21	-1,025.41	-247.02	2.00	-2.00	0.00	
9,900.00	6.27	304.32	9,787.24	390.34	-1,035.86	-252.74	2.00	-2.00	0.00	
10,000.00	4.27	304.32	9,886.82	395.52	-1,043.44	-256.89	2.00	-2.00	0.00	
10,100.00	2.27	304.32	9,986.65	398.74	-1,048.15	-259.47	2.00	-2.00	0.00	
10,200.00	0.27	304.32	10,086.62	399.98	-1,049.97	-260.47	2.00	-2.00	0.00	
10,213.38	0.00	0.00	10,100.00	400.00	-1,050.00	-260.48	2.00	-2.00	416.12	
Begin Vertical HOLD										
12,279.38	0.00	0.00	12,166.00	400.00	-1,050.00	-260.48	0.00	0.00	0.00	
OH - TD at 12279.38										



ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 16 TWR 124H - OH		
Design:	Plan 3 - OH		

Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
BHLv3 - PLU 16 TWR	0.00	0.00	12,166.00	400.00	-1,050.00	440,425.40	669,038.70	32° 12' 34.79 N	103° 47' 12.46 W
- plan hits target center									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
670.00	670.00	Rustler		0.00	
960.00	960.00	Top Salt		0.00	
4,199.31	4,176.00	Base Salt		0.00	
4,439.11	4,412.00	Delaware		0.00	
5,371.92	5,330.00	Cherry Canyon		0.00	
6,586.20	6,525.00	Brushy Canyon		0.00	
8,088.05	8,003.00	Basal Brushy Canyon		0.00	
8,333.95	8,245.00	Bone Spring		0.00	
8,359.35	8,270.00	Bone Spring Lime Fm		0.00	
8,444.71	8,354.00	Avalon Shale		0.00	
8,597.13	8,504.00	Avalon Lime		0.00	
8,892.82	8,795.00	Lower Avalon Shale		0.00	
9,165.15	9,063.00	1st Bone Spring Lime		0.00	
9,379.55	9,274.00	1st Bone Spring Ss		0.00	
9,816.11	9,704.00	2nd Bone Spring Lime		0.00	
10,125.37	10,012.00	2nd Bone Spring Ss		0.00	
10,231.38	10,118.00	2nd Bone Spring A Sand		0.00	
10,318.38	10,205.00	2nd Bone Spring T/B Carb		0.00	
10,473.38	10,360.00	2nd Bone Spring C Sand		0.00	
10,521.38	10,408.00	3rd Bone Spring Lm		0.00	
10,829.38	10,716.00	3rd Bone Spring Sh		0.00	
10,980.38	10,867.00	LP		0.00	
11,029.38	10,916.00	3rd Bone Spring Sh Base		0.00	
11,285.38	11,172.00	3rd Bone Spring Ss		0.00	
11,619.38	11,506.00	Red Hills SS		0.00	
11,720.38	11,607.00	Wolfcamp		0.00	
11,770.38	11,657.00	Formation 28			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.00	2,000.00	0.00	0.00	Begin 2°/100 Build
2,475.00	2,472.83	-32.18	-22.54	Hold 9.50° Inc at 215.00° Azm
3,475.00	3,459.11	-167.38	-117.20	Begin 2°/100 Build
4,166.93	4,144.14	-179.59	-201.07	Hold 10.22° Inc at 304.32° Azm
9,702.22	9,591.55	374.35	-1,012.44	Begin 2°/100 Drop
10,213.38	10,100.00	400.00	-1,050.00	Begin Vertical HOLD
12,279.38	12,166.00	400.00	-1,050.00	OH - TD at 12279.38



ROC

X32 - EDDY COUNTY, NM
X32 - PLU 16 TWR, Pad B - Plans
PLU 16 TWR 124H

ST01

Plan: ST01 - Plan 5

Standard Planning Report

07 July, 2022





ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 - Plan 5		

Project	X32 - EDDY COUNTY, NM, Remuda North 25 State Pad B		
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	X32 - PLU 16 TWR, Pad B - Plans		
Site Position:		Northing:	440,055.60 usft
From:	Map	Easting:	670,088.50 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32° 12' 31.08 N
		Longitude:	103° 47' 0.26 W
		Grid Convergence:	0.29 °

Well	PLU 16 TWR 124H		
Well Position	+N/-S	-30.20 usft	Northing:
	+E/-W	0.20 usft	Easting:
Position Uncertainty		0.00 usft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	ST01		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	4/29/2022	6.54
			Dip Angle (°)
			59.83
			Field Strength (nT)
			47,371.41020251

Design	ST01 - Plan 5		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			10,407.42
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			187.45

Plan Survey Tool Program	Date	7/7/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 10,407.42	21,165.78	ST01 - Plan 5 (ST01)	XOM_R2OWSG MWD+IFF	
			OWSG MWD + IFR1 + Mult	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
10,407.42	0.00	0.00	10,294.04	400.00	-1,050.00	0.00	0.00	0.00	0.00	
11,307.42	90.00	189.64	10,867.00	-164.87	-1,145.95	10.00	10.00	0.00	189.64	
12,347.42	90.00	189.64	10,867.00	-1,190.18	-1,320.10	0.00	0.00	0.00	0.00	
12,847.54	90.00	179.64	10,867.00	-1,688.03	-1,360.50	2.00	0.00	-2.00	-90.00	
21,115.77	90.00	179.64	10,867.00	-9,956.10	-1,308.20	0.00	0.00	0.00	0.00	LTPv2 - PLU 16 TW
21,165.78	90.00	179.67	10,867.00	-10,006.10	-1,307.90	0.07	0.00	0.07	89.92	BHLv2 - PLU 16 TV



ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 - Plan 5		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,407.42	0.00	0.00	10,294.04	400.00	-1,050.00	-260.54	0.00	0.00	0.00	
KOP, Begin 10.00°/100 Build										
10,500.00	9.26	189.64	10,386.22	392.64	-1,051.25	-253.08	10.00	10.00	0.00	
10,600.00	19.26	189.64	10,483.01	368.39	-1,055.37	-228.50	10.00	10.00	0.00	
10,700.00	29.26	189.64	10,574.07	327.94	-1,062.24	-187.50	10.00	10.00	0.00	
10,800.00	39.26	189.64	10,656.61	272.51	-1,071.65	-131.32	10.00	10.00	0.00	
10,900.00	49.26	189.64	10,728.14	203.80	-1,083.33	-61.67	10.00	10.00	0.00	
11,000.00	59.26	189.64	10,786.48	123.88	-1,096.90	19.33	10.00	10.00	0.00	
11,100.00	69.26	189.64	10,829.86	35.19	-1,111.97	109.23	10.00	10.00	0.00	
11,200.00	79.26	189.64	10,856.96	-59.58	-1,128.06	205.29	10.00	10.00	0.00	
11,300.00	89.26	189.64	10,866.95	-157.55	-1,144.70	304.59	10.00	10.00	0.00	
11,307.42	90.00	189.64	10,867.00	-164.87	-1,145.95	312.00	10.00	10.00	0.00	
LP, Hold 90° Inc at 189.64° Azm										
11,400.00	90.00	189.64	10,867.00	-256.14	-1,161.45	404.51	0.00	0.00	0.00	
11,500.00	90.00	189.64	10,867.00	-354.73	-1,178.19	504.44	0.00	0.00	0.00	
11,600.00	90.00	189.64	10,867.00	-453.32	-1,194.94	604.37	0.00	0.00	0.00	
11,700.00	90.00	189.64	10,867.00	-551.90	-1,211.69	704.29	0.00	0.00	0.00	
11,800.00	90.00	189.64	10,867.00	-650.49	-1,228.43	804.22	0.00	0.00	0.00	
11,900.00	90.00	189.64	10,867.00	-749.08	-1,245.18	904.15	0.00	0.00	0.00	
12,000.00	90.00	189.64	10,867.00	-847.67	-1,261.92	1,004.07	0.00	0.00	0.00	
12,100.00	90.00	189.64	10,867.00	-946.26	-1,278.67	1,104.00	0.00	0.00	0.00	
12,200.00	90.00	189.64	10,867.00	-1,044.84	-1,295.41	1,203.93	0.00	0.00	0.00	
12,300.00	90.00	189.64	10,867.00	-1,143.43	-1,312.16	1,303.85	0.00	0.00	0.00	
12,347.42	90.00	189.64	10,867.00	-1,190.18	-1,320.10	1,351.24	0.00	0.00	0.00	
Begin 2°/100 Turn										
12,400.00	90.00	188.59	10,867.00	-1,242.10	-1,328.43	1,403.80	2.00	0.00	-2.00	
12,500.00	90.00	186.59	10,867.00	-1,341.22	-1,341.63	1,503.79	2.00	0.00	-2.00	
12,600.00	90.00	184.59	10,867.00	-1,440.74	-1,351.37	1,603.73	2.00	0.00	-2.00	
12,700.00	90.00	182.59	10,867.00	-1,540.54	-1,357.63	1,703.50	2.00	0.00	-2.00	
12,800.00	90.00	180.59	10,867.00	-1,640.49	-1,360.40	1,802.97	2.00	0.00	-2.00	
12,847.54	90.00	179.64	10,867.00	-1,688.03	-1,360.50	1,850.12	2.00	0.00	-2.00	
Hold 179.64° Azm										
12,900.00	90.00	179.64	10,867.00	-1,740.49	-1,360.16	1,902.10	0.00	0.00	0.00	
13,000.00	90.00	179.64	10,867.00	-1,840.49	-1,359.53	2,001.17	0.00	0.00	0.00	
13,100.00	90.00	179.64	10,867.00	-1,940.49	-1,358.90	2,100.24	0.00	0.00	0.00	
13,200.00	90.00	179.64	10,867.00	-2,040.48	-1,358.27	2,199.32	0.00	0.00	0.00	
13,300.00	90.00	179.64	10,867.00	-2,140.48	-1,357.63	2,298.39	0.00	0.00	0.00	
13,400.00	90.00	179.64	10,867.00	-2,240.48	-1,357.00	2,397.46	0.00	0.00	0.00	
13,500.00	90.00	179.64	10,867.00	-2,340.48	-1,356.37	2,496.53	0.00	0.00	0.00	
13,600.00	90.00	179.64	10,867.00	-2,440.48	-1,355.74	2,595.61	0.00	0.00	0.00	
13,700.00	90.00	179.64	10,867.00	-2,540.47	-1,355.10	2,694.68	0.00	0.00	0.00	
13,800.00	90.00	179.64	10,867.00	-2,640.47	-1,354.47	2,793.75	0.00	0.00	0.00	
13,900.00	90.00	179.64	10,867.00	-2,740.47	-1,353.84	2,892.82	0.00	0.00	0.00	
14,000.00	90.00	179.64	10,867.00	-2,840.47	-1,353.21	2,991.90	0.00	0.00	0.00	
14,100.00	90.00	179.64	10,867.00	-2,940.47	-1,352.57	3,090.97	0.00	0.00	0.00	
14,200.00	90.00	179.64	10,867.00	-3,040.46	-1,351.94	3,190.04	0.00	0.00	0.00	
14,300.00	90.00	179.64	10,867.00	-3,140.46	-1,351.31	3,289.11	0.00	0.00	0.00	
14,400.00	90.00	179.64	10,867.00	-3,240.46	-1,350.68	3,388.19	0.00	0.00	0.00	
14,500.00	90.00	179.64	10,867.00	-3,340.46	-1,350.04	3,487.26	0.00	0.00	0.00	
14,600.00	90.00	179.64	10,867.00	-3,440.46	-1,349.41	3,586.33	0.00	0.00	0.00	
14,700.00	90.00	179.64	10,867.00	-3,540.45	-1,348.78	3,685.40	0.00	0.00	0.00	
14,800.00	90.00	179.64	10,867.00	-3,640.45	-1,348.15	3,784.48	0.00	0.00	0.00	
14,900.00	90.00	179.64	10,867.00	-3,740.45	-1,347.51	3,883.55	0.00	0.00	0.00	



ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 - Plan 5		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,000.00	90.00	179.64	10,867.00	-3,840.45	-1,346.88	3,982.62	0.00	0.00	0.00
15,100.00	90.00	179.64	10,867.00	-3,940.45	-1,346.25	4,081.69	0.00	0.00	0.00
15,200.00	90.00	179.64	10,867.00	-4,040.44	-1,345.62	4,180.77	0.00	0.00	0.00
15,300.00	90.00	179.64	10,867.00	-4,140.44	-1,344.98	4,279.84	0.00	0.00	0.00
15,400.00	90.00	179.64	10,867.00	-4,240.44	-1,344.35	4,378.91	0.00	0.00	0.00
15,500.00	90.00	179.64	10,867.00	-4,340.44	-1,343.72	4,477.98	0.00	0.00	0.00
15,600.00	90.00	179.64	10,867.00	-4,440.44	-1,343.09	4,577.06	0.00	0.00	0.00
15,700.00	90.00	179.64	10,867.00	-4,540.43	-1,342.45	4,676.13	0.00	0.00	0.00
15,800.00	90.00	179.64	10,867.00	-4,640.43	-1,341.82	4,775.20	0.00	0.00	0.00
15,900.00	90.00	179.64	10,867.00	-4,740.43	-1,341.19	4,874.28	0.00	0.00	0.00
16,000.00	90.00	179.64	10,867.00	-4,840.43	-1,340.56	4,973.35	0.00	0.00	0.00
16,100.00	90.00	179.64	10,867.00	-4,940.43	-1,339.92	5,072.42	0.00	0.00	0.00
16,200.00	90.00	179.64	10,867.00	-5,040.42	-1,339.29	5,171.49	0.00	0.00	0.00
16,300.00	90.00	179.64	10,867.00	-5,140.42	-1,338.66	5,270.57	0.00	0.00	0.00
16,400.00	90.00	179.64	10,867.00	-5,240.42	-1,338.03	5,369.64	0.00	0.00	0.00
16,500.00	90.00	179.64	10,867.00	-5,340.42	-1,337.39	5,468.71	0.00	0.00	0.00
16,600.00	90.00	179.64	10,867.00	-5,440.42	-1,336.76	5,567.78	0.00	0.00	0.00
16,700.00	90.00	179.64	10,867.00	-5,540.41	-1,336.13	5,666.86	0.00	0.00	0.00
16,800.00	90.00	179.64	10,867.00	-5,640.41	-1,335.50	5,765.93	0.00	0.00	0.00
16,900.00	90.00	179.64	10,867.00	-5,740.41	-1,334.86	5,865.00	0.00	0.00	0.00
17,000.00	90.00	179.64	10,867.00	-5,840.41	-1,334.23	5,964.07	0.00	0.00	0.00
17,100.00	90.00	179.64	10,867.00	-5,940.41	-1,333.60	6,063.15	0.00	0.00	0.00
17,200.00	90.00	179.64	10,867.00	-6,040.40	-1,332.97	6,162.22	0.00	0.00	0.00
17,300.00	90.00	179.64	10,867.00	-6,140.40	-1,332.33	6,261.29	0.00	0.00	0.00
17,400.00	90.00	179.64	10,867.00	-6,240.40	-1,331.70	6,360.36	0.00	0.00	0.00
17,500.00	90.00	179.64	10,867.00	-6,340.40	-1,331.07	6,459.44	0.00	0.00	0.00
17,600.00	90.00	179.64	10,867.00	-6,440.40	-1,330.44	6,558.51	0.00	0.00	0.00
17,700.00	90.00	179.64	10,867.00	-6,540.39	-1,329.80	6,657.58	0.00	0.00	0.00
17,800.00	90.00	179.64	10,867.00	-6,640.39	-1,329.17	6,756.65	0.00	0.00	0.00
17,900.00	90.00	179.64	10,867.00	-6,740.39	-1,328.54	6,855.73	0.00	0.00	0.00
18,000.00	90.00	179.64	10,867.00	-6,840.39	-1,327.91	6,954.80	0.00	0.00	0.00
18,100.00	90.00	179.64	10,867.00	-6,940.39	-1,327.27	7,053.87	0.00	0.00	0.00
18,200.00	90.00	179.64	10,867.00	-7,040.38	-1,326.64	7,152.94	0.00	0.00	0.00
18,300.00	90.00	179.64	10,867.00	-7,140.38	-1,326.01	7,252.02	0.00	0.00	0.00
18,400.00	90.00	179.64	10,867.00	-7,240.38	-1,325.38	7,351.09	0.00	0.00	0.00
18,500.00	90.00	179.64	10,867.00	-7,340.38	-1,324.74	7,450.16	0.00	0.00	0.00
18,600.00	90.00	179.64	10,867.00	-7,440.38	-1,324.11	7,549.23	0.00	0.00	0.00
18,700.00	90.00	179.64	10,867.00	-7,540.37	-1,323.48	7,648.31	0.00	0.00	0.00
18,800.00	90.00	179.64	10,867.00	-7,640.37	-1,322.85	7,747.38	0.00	0.00	0.00
18,900.00	90.00	179.64	10,867.00	-7,740.37	-1,322.21	7,846.45	0.00	0.00	0.00
19,000.00	90.00	179.64	10,867.00	-7,840.37	-1,321.58	7,945.53	0.00	0.00	0.00
19,100.00	90.00	179.64	10,867.00	-7,940.37	-1,320.95	8,044.60	0.00	0.00	0.00
19,200.00	90.00	179.64	10,867.00	-8,040.36	-1,320.32	8,143.67	0.00	0.00	0.00
19,300.00	90.00	179.64	10,867.00	-8,140.36	-1,319.68	8,242.74	0.00	0.00	0.00
19,400.00	90.00	179.64	10,867.00	-8,240.36	-1,319.05	8,341.82	0.00	0.00	0.00
19,500.00	90.00	179.64	10,867.00	-8,340.36	-1,318.42	8,440.89	0.00	0.00	0.00
19,600.00	90.00	179.64	10,867.00	-8,440.36	-1,317.79	8,539.96	0.00	0.00	0.00
19,700.00	90.00	179.64	10,867.00	-8,540.35	-1,317.15	8,639.03	0.00	0.00	0.00
19,800.00	90.00	179.64	10,867.00	-8,640.35	-1,316.52	8,738.11	0.00	0.00	0.00
19,900.00	90.00	179.64	10,867.00	-8,740.35	-1,315.89	8,837.18	0.00	0.00	0.00
20,000.00	90.00	179.64	10,867.00	-8,840.35	-1,315.26	8,936.25	0.00	0.00	0.00
20,100.00	90.00	179.64	10,867.00	-8,940.35	-1,314.62	9,035.32	0.00	0.00	0.00
20,200.00	90.00	179.64	10,867.00	-9,040.34	-1,313.99	9,134.40	0.00	0.00	0.00
20,300.00	90.00	179.64	10,867.00	-9,140.34	-1,313.36	9,233.47	0.00	0.00	0.00



ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 - Plan 5		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
20,400.00	90.00	179.64	10,867.00	-9,240.34	-1,312.73	9,332.54	0.00	0.00	0.00	
20,500.00	90.00	179.64	10,867.00	-9,340.34	-1,312.09	9,431.61	0.00	0.00	0.00	
20,600.00	90.00	179.64	10,867.00	-9,440.34	-1,311.46	9,530.69	0.00	0.00	0.00	
20,700.00	90.00	179.64	10,867.00	-9,540.33	-1,310.83	9,629.76	0.00	0.00	0.00	
20,800.00	90.00	179.64	10,867.00	-9,640.33	-1,310.20	9,728.83	0.00	0.00	0.00	
20,900.00	90.00	179.64	10,867.00	-9,740.33	-1,309.56	9,827.90	0.00	0.00	0.00	
21,000.00	90.00	179.64	10,867.00	-9,840.33	-1,308.93	9,926.98	0.00	0.00	0.00	
21,100.00	90.00	179.64	10,867.00	-9,940.33	-1,308.30	10,026.05	0.00	0.00	0.00	
21,115.77	90.00	179.64	10,867.00	-9,956.10	-1,308.20	10,041.67	0.00	0.00	0.00	
LTP - PLU 16 TWR 24H										
21,165.77	90.00	179.67	10,867.00	-10,006.10	-1,307.90	10,091.21	0.07	0.00	0.07	
TD at 21165.77										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOPv3 - PLU 16 TWF	0.00	0.00	10,294.04	400.00	-1,050.00	440,425.40	669,038.70	32° 12' 34.79 N	103° 47' 12.46 W	
- plan hits target center										
- Point										
FTPv2 - PLU 16 TWR	0.00	0.00	10,867.00	177.10	-1,370.90	440,202.50	668,717.80	32° 12' 32.60 N	103° 47' 16.21 W	
- plan misses target center by 288.58usft at 11029.07usft MD (10800.70 TVD, 98.88 N, -1101.15 E)										
- Point										
LPv3 - PLU 16 TWR 1	0.00	0.00	10,867.00	-164.87	-1,145.95	439,860.53	668,942.75	32° 12' 29.21 N	103° 47' 13.61 W	
- plan hits target center										
- Point										
LTPv2 - PLU 16 TWR	0.00	179.64	10,867.00	-9,956.10	-1,308.20	430,069.30	668,780.50	32° 10' 52.32 N	103° 47' 16.08 W	
- plan hits target center										
- Rectangle (sides W660.00 H10,130.00 D0.00)										
BHLv2 - PLU 16 TWR	0.00	179.64	10,867.00	-10,006.10	-1,307.90	430,019.30	668,780.80	32° 10' 51.83 N	103° 47' 16.08 W	
- plan hits target center										
- Rectangle (sides W100.00 H10,180.00 D0.00)										



ExxonMobil Planning Report



Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 16 TWR 124H
Company:	ROC	TVD Reference:	RKB33 @ 3543.00usft (X32)
Project:	X32 - EDDY COUNTY, NM	MD Reference:	RKB33 @ 3543.00usft (X32)
Site:	X32 - PLU 16 TWR, Pad B - Plans	North Reference:	Grid
Well:	PLU 16 TWR 124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST01		
Design:	ST01 - Plan 5		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
670.00	670.00	Rustler		0.00		
960.00	960.00	Top Salt		0.00		
4,199.31	4,176.00	Base Salt		0.00		
4,439.11	4,412.00	Delaware		0.00		
5,371.92	5,330.00	Cherry Canyon		0.00		
6,586.20	6,525.00	Brushy Canyon		0.00		
8,088.05	8,003.00	Basal Brushy Canyon		0.00		
8,333.95	8,245.00	Bone Spring		0.00		
8,359.35	8,270.00	Bone Spring Lime Fm		0.00		
8,444.71	8,354.00	Avalon Shale		0.00		
8,597.13	8,504.00	Avalon Lime		0.00		
8,892.82	8,795.00	Lower Avalon Shale		0.00		
9,165.15	9,063.00	1st Bone Spring Lime		0.00		
9,379.55	9,274.00	1st Bone Spring Ss		0.00		
9,816.11	9,704.00	2nd Bone Spring Lime		0.00		
10,125.37	10,012.00	2nd Bone Spring Ss		0.00		
10,231.38	10,118.00	2nd Bone Spring A Sand		0.00		
10,318.38	10,205.00	2nd Bone Spring T/B Carb		0.00		
10,473.53	10,360.00	2nd Bone Spring C Sand		0.00		
10,522.15	10,408.00	3rd Bone Spring Lm		0.00		
10,881.73	10,716.00	3rd Bone Spring Sh		0.00		
11,307.42	10,867.00	LP		0.00		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,407.42	10,294.04	400.00	-1,050.00	KOP, Begin 10.00°/100 Build
11,307.42	10,867.00	-164.87	-1,145.95	LP, Hold 90° Inc at 189.64° Azm
12,347.42	10,867.00	-1,190.18	-1,320.10	Begin 2°/100 Turn
12,847.54	10,867.00	-1,688.03	-1,360.50	Hold 179.64° Azm
21,115.77	10,867.00	-9,956.10	-1,308.20	LTP - PLU 16 TWR 24H
21,165.77	10,867.00	-10,006.10	-1,307.90	TD at 21165.77

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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 465220

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 465220
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Approved together with Application ID: 221722	5/21/2025
dmcclure	Correct all past production for the well to the new pool.	5/21/2025
dmcclure	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	5/21/2025