

Well Name: POKER LAKE UNIT 15 TWR	Well Location: T24S / R31E / SEC 22 / NWNW / 32.208954 / -103.772745	County or Parish/State: EDDY / NM
Well Number: 135H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0506A	Unit or CA Name:	Unit or CA Number: NMNM71016X
US Well Number: 3001554171	Well Status: Drilling Well	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2745215

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

Date Sundry Submitted: 08/09/2023      Time Sundry Submitted: 06:18

Date proposed operation will begin: 08/09/2023

**Procedure Description:** \*\*Pool Change, First and Last Take Point Changes, Bottomhole Location Change, Drilling Plan Change, Casing/Cement Change, and Change Well Pad Names XTO Permian Operating, LCC. requests permission to make the following changes to the original APD: No Additional Surface Disturbance Change Pool from 98220 Purple Sage; Wolfcamp to 96546 Cotton Draw; Bone Spring South SHL: No Change Change FTP: fr/100'FNL & 1650'FWL to 100'FNL & 770'FWL, NMNM0506A PPP1 to 0' FSL & 771' FWL, NMNM0522A Change LTP: fr/2542'FNL & 1650'FWL to 2542'FNL & 770'FWL, NMNM030454 Change BHL: fr/2592'FNL & 1650'FWL to 2592'FNL & 770'FWL, NMNM030454 Section 34-T24S-R31E Change Name: Well Pad A to Well Pad F Change Name: Well Pad B/C to Well Pad G Change Name: Well Pad D to Well Pad H Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program Directional Plan Well Pad F WSL Well Pad G WSL Well Pad H WSL

NOI Attachments

Procedure Description

Poker\_Lake\_Unit\_15\_TWR\_135H\_Attachments\_20230809061755.pdf

Received by OCD: 10/20/2023 10:37:43 AM

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US Well Number: 3001554171	Well Status: Drilling Well	Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Sec\_22\_24S\_31E\_NMP\_Sundry\_2745215\_Poker\_Lake\_Unit\_15\_TWR\_135H\_COAs\_20230915102758.pdf

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: CASSIE EVANS  
Signed on: AUG 09, 2023 06:18 AM  
Name: XTO PERMIAN OPERATING LLC  
Title: Regulatory Analyst  
Street Address: 6401 Holiday Hill Road, Bldg 5  
City: Midland State: TX  
Phone: (432) 218-3671  
Email address: CASSIE.EVANS@EXXONMOBIL.COM

Field

Representative Name:  
Street Address:  
City: State: Zip:  
Phone:  
Email address:

BLM Point of Contact

BLM POC Name: CODY LAYTON  
BLM POC Phone: 5752345959  
Disposition: Approved  
Signature: Cody R. Layton  
BLM POC Title: Assistant Field Manager Lands & Minerals  
BLM POC Email Address: clayton@blm.gov  
Disposition Date: 09/29/2023

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

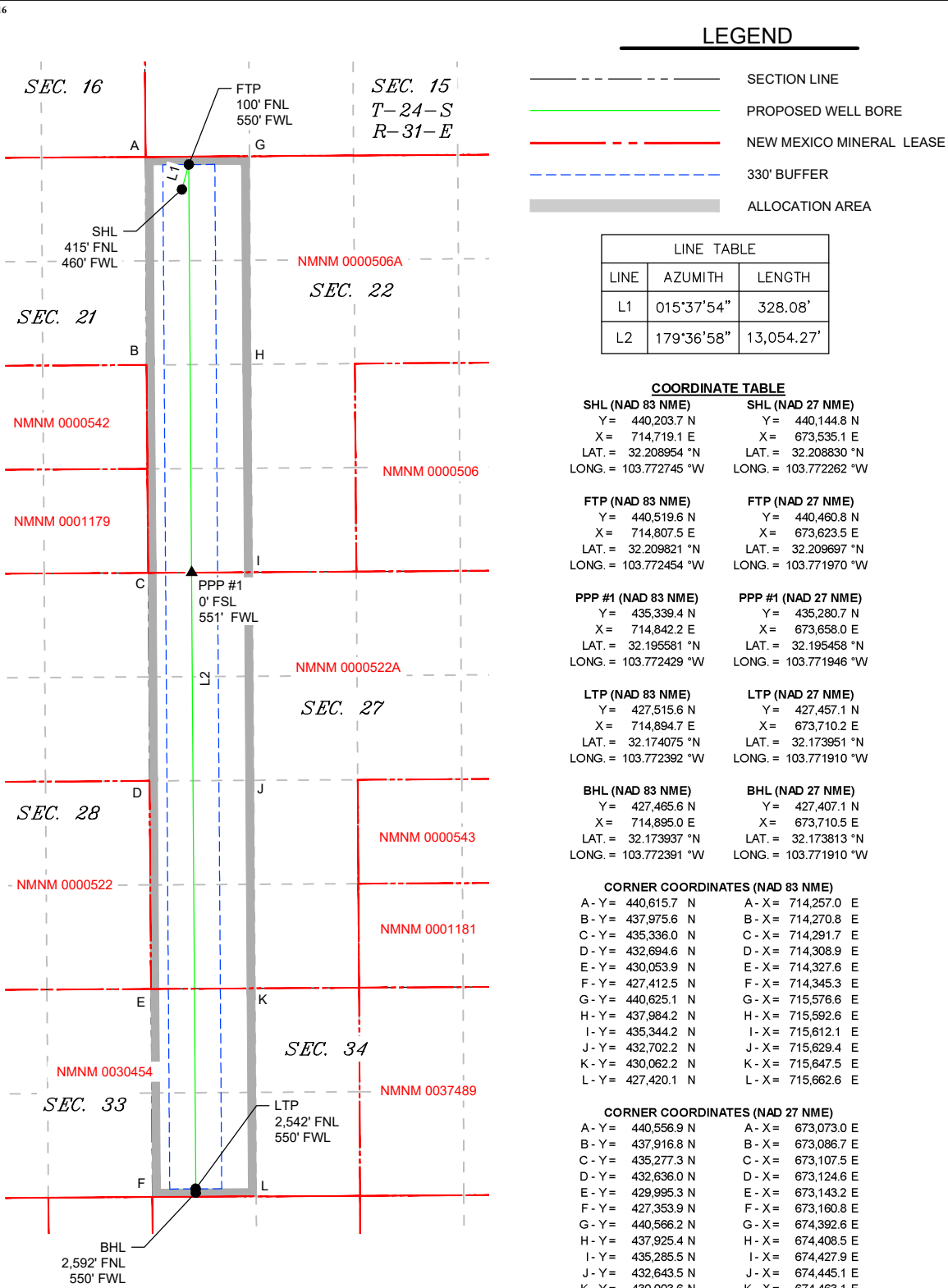
WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-	<sup>2</sup> Pool Code 96546	<sup>3</sup> Pool Name Cotton Draw; Bone Spring South
<sup>4</sup> Property Code	<sup>5</sup> Property Name POKER LAKE UNIT 15 TWR	<sup>6</sup> Well Number 135H
<sup>7</sup> OGRID No. 373075	<sup>8</sup> Operator Name XTO PERMIAN OPERATING, LLC.	<sup>9</sup> Elevation 3,523'

<sup>10</sup> Surface Location									
UL or lot no. C	Section 22	Township 24 S	Range 31 E	Lot Idn	Feet from the 415	North/South line NORTH	Feet from the 460	East/West line WEST	County EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. E	Section 34	Township 24 S	Range 31 E	Lot Idn	Feet from the 2,592	North/South line NORTH	Feet from the 550	East/West line WEST	County EDDY
<sup>12</sup> Dedicated Acres 400	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

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.



**DRILLING PLAN: BLM COMPLIANCE**  
(Supplement to BLM 3160-3)

XTO Energy Inc.

PLU 15 TWR 135H

Projected TD: 23700.8' MD / 10140' TVD

SHL: 415' FNL & 460' FWL , Section 22, T24S, R31E

BHL: 2592' FNL & 550' FWL , Section 34, T24S, R31E

Eddy County, NM

**1. Geologic Name of Surface Formation**

A. Quaternary

**2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas**

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	667'	Water
Salado	981'	Water
Base of Salt	4212'	Water
Delaware	4426'	Water
Brushy Canyon	6989'	Water/Oil/Gas
Bone Spring	8305'	Water
1st Bone Spring	9329'	Water/Oil/Gas
2nd Bone Spring	10039'	Water/Oil/Gas
3rd Bone Spring	-	Water/Oil/Gas
Wolfcamp	-	Water/Oil/Gas
Wolfcamp X	-	Water/Oil/Gas
Wolfcamp Y	-	Water/Oil/Gas
Wolfcamp A	-	Water/Oil/Gas
Wolfcamp B	-	Water/Oil/Gas
Wolfcamp D	-	Water/Oil/Gas
Wolfcamp E	-	Water/Oil/Gas
<b>Target/Land Curve</b>	<b>10140'</b>	<b>Water/Oil/Gas</b>

\*\*\* Hydrocarbons @ Brushy Canyon

\*\*\* Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 767' (214' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 9321.8' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 23700.8 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9021.8 feet).

**3. Casing Design**

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 767'	9.625	40	J-55	BTC	New	1.37	8.21	20.53
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.17	2.52	2.02
8.75	4000' – 9321.8'	7.625	29.7	HC L-80	Flush Joint	New	1.58	1.97	2.57
6.75	0' – 9221.8'	5.5	23	RY P-110	Semi-Premium	New	1.21	2.43	1.93
6.75	9221.8' - 23700.8'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.21	2.02

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry

· XTO requests to not utilize centralizers in the curve and lateral

· 7.625 Collapse analyzed using 50% evacuation based on regional experience.

· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

- Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less
- XTO requests the option to use 5" BTC Float equipment for the the production casing

**Wellhead:**

*Permanent Wellhead – Multibowl System*

A. Starting Head: 11" 10M top flange x 9-5/8" bottom

B. Tubing Head: 11" 10M bottom flange x 7-1/16" 15M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

#### 4. Cement Program

##### **Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 767'**

Lead: 150 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Top of Cement: Surface

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

##### **2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 9321.8'**

###### 1st Stage

Optional Lead: 380 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 210 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6989

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

###### 2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)

Tail: 790 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)

Top of Cement: 0

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6989') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

##### **Production Casing: 5.5, 23 New Semi-Flush, RY P-110 casing to be set at +/- 23700.8'**

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9021.8 feet

Tail: 1010 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9521.8 feet

Compressives: 12-hr = 800 psi 24 hr = 1500 psi

XTO 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. XTO 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. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

## 5. Pressure Control Equipment

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 4360 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 9.625, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

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.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production



hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

## 6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 767'	12.25	FW/Native	8.4-8.9	35-40	NC
767' - 9321.8'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9321.8' - 23700.8'	6.75	OBM	12.5-13	50-60	NC - 20

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

Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg - 10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco 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. A Kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- C. H2S monitors will be on location when drilling below the 9.625 casing.

## 8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will not be done on this well.

## 9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 165 to 185 F is anticipated. 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 could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 6591 psi.

## 10. Anticipated Starting Date and Duration of Operations

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

# Long Lead\_Well Planning

EDDY

PLU 15TWR

135H

OH

Plan: Plan 1

## Standard Planning Report

19 July, 2023

## ExxonMobil

### Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well 135H
<b>Company:</b>	Long Lead_Well Planning	<b>TVD Reference:</b>	RKB(3523+33) @ 3556.0usft
<b>Project:</b>	EDDY	<b>MD Reference:</b>	RKB(3523+33) @ 3556.0usft
<b>Site:</b>	PLU 15TWR	<b>North Reference:</b>	Grid
<b>Well:</b>	135H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

<b>Project</b>	EDDY		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	New Mexico East 3001		

<b>Site</b>	PLU 15TWR		
<b>Site Position:</b>		<b>Northing:</b>	440,144.40 usft
<b>From:</b>	Map	<b>Easting:</b>	674,837.30 usft
<b>Position Uncertainty:</b>	3.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	32° 12' 31.717 N
		<b>Longitude:</b>	103° 46' 4.986 W

<b>Well</b>	135H		
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b> 440,144.80 usft
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b> 673,535.10 usft
<b>Position Uncertainty</b>	0.0 usft	<b>Wellhead Elevation:</b>	usft
<b>Grid Convergence:</b>	0.30 °	<b>Ground Level:</b>	3,523.0 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2020	7/19/2023	6.39	59.79	47,245.92583342

<b>Design</b>	Plan 1				
<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	179.62	

<b>Plan Survey Tool Program</b>	<b>Date</b>	7/19/2023			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.0	23,700.8	Plan 1 (OH)	XOM_R2OWSG MWD+IFR1+	
				OWSG MWD + IFR1 + Multi-St	

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well 135H
Company:	Long Lead_Well Planning	TVD Reference:	RKB(3523+33) @ 3556.0usft
Project:	EDDY	MD Reference:	RKB(3523+33) @ 3556.0usft
Site:	PLU 15TWR	North Reference:	Grid
Well:	135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

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	
1,760.3	11.21	4.63	1,756.8	54.4	4.4	2.00	2.00	0.00	4.63	
6,526.7	11.21	4.63	6,432.2	977.7	79.2	0.00	0.00	0.00	0.00	
7,087.0	0.00	0.00	6,989.0	1,032.2	83.6	2.00	-2.00	0.00	180.00	
9,521.8	0.00	0.00	9,423.8	1,032.2	83.6	0.00	0.00	0.00	0.00	
10,646.8	90.00	179.62	10,140.0	316.0	88.4	8.00	0.00	0.00	179.62	135H_FTP
15,827.0	90.00	179.62	10,140.0	-4,864.1	122.9	0.00	0.00	0.00	0.00	135H_PP1
23,650.8	90.00	179.62	10,140.0	-12,687.7	175.0	0.00	0.00	0.00	0.00	135H_LTP
23,700.8	90.00	179.62	10,140.0	-12,737.7	175.3	0.00	0.00	0.00	0.00	135H_BHL

# ExxonMobil

## Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well 135H
<b>Company:</b>	Long Lead_Well Planning	<b>TVD Reference:</b>	RKB(3523+33) @ 3556.0usft
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<b>Site:</b>	PLU 15TWR	<b>North Reference:</b>	Grid
<b>Well:</b>	135H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

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	4.63	1,300.0	1.7	0.1	-1.7	2.00	2.00	0.00
1,400.0	4.00	4.63	1,399.8	7.0	0.6	-7.0	2.00	2.00	0.00
1,500.0	6.00	4.63	1,499.5	15.6	1.3	-15.6	2.00	2.00	0.00
1,600.0	8.00	4.63	1,598.7	27.8	2.3	-27.8	2.00	2.00	0.00
1,700.0	10.00	4.63	1,697.5	43.4	3.5	-43.4	2.00	2.00	0.00
1,760.3	11.21	4.63	1,756.8	54.4	4.4	-54.4	2.00	2.00	0.00
1,800.0	11.21	4.63	1,795.7	62.1	5.0	-62.1	0.00	0.00	0.00
1,900.0	11.21	4.63	1,893.8	81.5	6.6	-81.5	0.00	0.00	0.00
2,000.0	11.21	4.63	1,991.9	100.9	8.2	-100.8	0.00	0.00	0.00
2,100.0	11.21	4.63	2,090.0	120.2	9.7	-120.2	0.00	0.00	0.00
2,200.0	11.21	4.63	2,188.1	139.6	11.3	-139.5	0.00	0.00	0.00
2,300.0	11.21	4.63	2,286.1	159.0	12.9	-158.9	0.00	0.00	0.00
2,400.0	11.21	4.63	2,384.2	178.4	14.5	-178.3	0.00	0.00	0.00
2,500.0	11.21	4.63	2,482.3	197.7	16.0	-197.6	0.00	0.00	0.00
2,600.0	11.21	4.63	2,580.4	217.1	17.6	-217.0	0.00	0.00	0.00
2,700.0	11.21	4.63	2,678.5	236.5	19.2	-236.3	0.00	0.00	0.00
2,800.0	11.21	4.63	2,776.6	255.8	20.7	-255.7	0.00	0.00	0.00
2,900.0	11.21	4.63	2,874.7	275.2	22.3	-275.1	0.00	0.00	0.00
3,000.0	11.21	4.63	2,972.8	294.6	23.9	-294.4	0.00	0.00	0.00
3,100.0	11.21	4.63	3,070.9	314.0	25.4	-313.8	0.00	0.00	0.00
3,200.0	11.21	4.63	3,169.0	333.3	27.0	-333.1	0.00	0.00	0.00
3,300.0	11.21	4.63	3,267.1	352.7	28.6	-352.5	0.00	0.00	0.00
3,400.0	11.21	4.63	3,365.2	372.1	30.1	-371.9	0.00	0.00	0.00
3,500.0	11.21	4.63	3,463.3	391.4	31.7	-391.2	0.00	0.00	0.00
3,600.0	11.21	4.63	3,561.4	410.8	33.3	-410.6	0.00	0.00	0.00
3,700.0	11.21	4.63	3,659.5	430.2	34.9	-429.9	0.00	0.00	0.00
3,800.0	11.21	4.63	3,757.5	449.6	36.4	-449.3	0.00	0.00	0.00
3,900.0	11.21	4.63	3,855.6	468.9	38.0	-468.7	0.00	0.00	0.00
4,000.0	11.21	4.63	3,953.7	488.3	39.6	-488.0	0.00	0.00	0.00
4,100.0	11.21	4.63	4,051.8	507.7	41.1	-507.4	0.00	0.00	0.00
4,200.0	11.21	4.63	4,149.9	527.0	42.7	-526.7	0.00	0.00	0.00
4,300.0	11.21	4.63	4,248.0	546.4	44.3	-546.1	0.00	0.00	0.00
4,400.0	11.21	4.63	4,346.1	565.8	45.8	-565.5	0.00	0.00	0.00
4,500.0	11.21	4.63	4,444.2	585.1	47.4	-584.8	0.00	0.00	0.00
4,600.0	11.21	4.63	4,542.3	604.5	49.0	-604.2	0.00	0.00	0.00
4,700.0	11.21	4.63	4,640.4	623.9	50.5	-623.5	0.00	0.00	0.00
4,800.0	11.21	4.63	4,738.5	643.3	52.1	-642.9	0.00	0.00	0.00
4,900.0	11.21	4.63	4,836.6	662.6	53.7	-662.3	0.00	0.00	0.00
5,000.0	11.21	4.63	4,934.7	682.0	55.3	-681.6	0.00	0.00	0.00
5,100.0	11.21	4.63	5,032.8	701.4	56.8	-701.0	0.00	0.00	0.00
5,200.0	11.21	4.63	5,130.9	720.7	58.4	-720.3	0.00	0.00	0.00
5,300.0	11.21	4.63	5,228.9	740.1	60.0	-739.7	0.00	0.00	0.00
5,400.0	11.21	4.63	5,327.0	759.5	61.5	-759.1	0.00	0.00	0.00
5,500.0	11.21	4.63	5,425.1	778.9	63.1	-778.4	0.00	0.00	0.00
5,600.0	11.21	4.63	5,523.2	798.2	64.7	-797.8	0.00	0.00	0.00
5,700.0	11.21	4.63	5,621.3	817.6	66.2	-817.1	0.00	0.00	0.00
5,800.0	11.21	4.63	5,719.4	837.0	67.8	-836.5	0.00	0.00	0.00
5,900.0	11.21	4.63	5,817.5	856.3	69.4	-855.9	0.00	0.00	0.00
6,000.0	11.21	4.63	5,915.6	875.7	71.0	-875.2	0.00	0.00	0.00
6,100.0	11.21	4.63	6,013.7	895.1	72.5	-894.6	0.00	0.00	0.00
6,200.0	11.21	4.63	6,111.8	914.5	74.1	-913.9	0.00	0.00	0.00
6,300.0	11.21	4.63	6,209.9	933.8	75.7	-933.3	0.00	0.00	0.00

## ExxonMobil

## Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well 135H
<b>Company:</b>	Long Lead_Well Planning	<b>TVD Reference:</b>	RKB(3523+33) @ 3556.0usft
<b>Project:</b>	EDDY	<b>MD Reference:</b>	RKB(3523+33) @ 3556.0usft
<b>Site:</b>	PLU 15TWR	<b>North Reference:</b>	Grid
<b>Well:</b>	135H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

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)
6,400.0	11.21	4.63	6,308.0	953.2	77.2	-952.7	0.00	0.00	0.00
6,500.0	11.21	4.63	6,406.1	972.6	78.8	-972.0	0.00	0.00	0.00
6,526.7	11.21	4.63	6,432.2	977.7	79.2	-977.2	0.00	0.00	0.00
6,600.0	9.74	4.63	6,504.3	991.0	80.3	-990.5	2.00	-2.00	0.00
6,700.0	7.74	4.63	6,603.2	1,006.2	81.5	-1,005.6	2.00	-2.00	0.00
6,800.0	5.74	4.63	6,702.5	1,017.9	82.5	-1,017.3	2.00	-2.00	0.00
6,900.0	3.74	4.63	6,802.1	1,026.1	83.1	-1,025.5	2.00	-2.00	0.00
7,000.0	1.74	4.63	6,902.0	1,030.9	83.5	-1,030.3	2.00	-2.00	0.00
7,087.0	0.00	0.00	6,989.0	1,032.2	83.6	-1,031.6	2.00	-2.00	0.00
9,521.8	0.00	0.00	9,423.8	1,032.2	83.6	-1,031.6	0.00	0.00	0.00
9,600.0	6.25	179.62	9,501.8	1,027.9	83.7	-1,027.3	8.00	8.00	0.00
9,700.0	14.25	179.62	9,600.2	1,010.1	83.8	-1,009.6	8.00	8.00	0.00
9,800.0	22.25	179.62	9,695.0	978.8	84.0	-978.3	8.00	8.00	0.00
9,900.0	30.25	179.62	9,784.7	934.6	84.3	-934.1	8.00	8.00	0.00
10,000.0	38.25	179.62	9,867.2	878.4	84.7	-877.8	8.00	8.00	0.00
10,100.0	46.25	179.62	9,941.2	811.2	85.1	-810.6	8.00	8.00	0.00
10,200.0	54.25	179.62	10,005.1	734.4	85.6	-733.8	8.00	8.00	0.00
10,300.0	62.25	179.62	10,057.7	649.4	86.2	-648.8	8.00	8.00	0.00
10,400.0	70.25	179.62	10,097.9	558.0	86.8	-557.4	8.00	8.00	0.00
10,500.0	78.25	179.62	10,125.0	461.8	87.4	-461.2	8.00	8.00	0.00
10,600.0	86.25	179.62	10,138.5	362.8	88.1	-362.2	8.00	8.00	0.00
10,646.8	90.00	179.62	10,140.0	316.0	88.4	-315.4	8.00	8.00	0.00
10,700.0	90.00	179.62	10,140.0	262.8	88.8	-262.2	0.00	0.00	0.00
10,800.0	90.00	179.62	10,140.0	162.8	89.4	-162.2	0.00	0.00	0.00
10,900.0	90.00	179.62	10,140.0	62.8	90.1	-62.2	0.00	0.00	0.00
11,000.0	90.00	179.62	10,140.0	-37.2	90.8	37.8	0.00	0.00	0.00
11,100.0	90.00	179.62	10,140.0	-137.2	91.4	137.8	0.00	0.00	0.00
11,200.0	90.00	179.62	10,140.0	-237.2	92.1	237.8	0.00	0.00	0.00
11,300.0	90.00	179.62	10,140.0	-337.2	92.8	337.8	0.00	0.00	0.00
11,400.0	90.00	179.62	10,140.0	-437.2	93.4	437.8	0.00	0.00	0.00
11,500.0	90.00	179.62	10,140.0	-537.2	94.1	537.8	0.00	0.00	0.00
11,600.0	90.00	179.62	10,140.0	-637.2	94.7	637.8	0.00	0.00	0.00
11,700.0	90.00	179.62	10,140.0	-737.2	95.4	737.8	0.00	0.00	0.00
11,800.0	90.00	179.62	10,140.0	-837.2	96.1	837.8	0.00	0.00	0.00
11,900.0	90.00	179.62	10,140.0	-937.2	96.7	937.8	0.00	0.00	0.00
12,000.0	90.00	179.62	10,140.0	-1,037.2	97.4	1,037.8	0.00	0.00	0.00
12,100.0	90.00	179.62	10,140.0	-1,137.2	98.1	1,137.8	0.00	0.00	0.00
12,200.0	90.00	179.62	10,140.0	-1,237.2	98.7	1,237.8	0.00	0.00	0.00
12,300.0	90.00	179.62	10,140.0	-1,337.1	99.4	1,337.8	0.00	0.00	0.00
12,400.0	90.00	179.62	10,140.0	-1,437.1	100.1	1,437.8	0.00	0.00	0.00
12,500.0	90.00	179.62	10,140.0	-1,537.1	100.7	1,537.8	0.00	0.00	0.00
12,600.0	90.00	179.62	10,140.0	-1,637.1	101.4	1,637.8	0.00	0.00	0.00
12,700.0	90.00	179.62	10,140.0	-1,737.1	102.1	1,737.8	0.00	0.00	0.00
12,800.0	90.00	179.62	10,140.0	-1,837.1	102.7	1,837.8	0.00	0.00	0.00
12,900.0	90.00	179.62	10,140.0	-1,937.1	103.4	1,937.8	0.00	0.00	0.00
13,000.0	90.00	179.62	10,140.0	-2,037.1	104.1	2,037.8	0.00	0.00	0.00
13,100.0	90.00	179.62	10,140.0	-2,137.1	104.7	2,137.8	0.00	0.00	0.00
13,200.0	90.00	179.62	10,140.0	-2,237.1	105.4	2,237.8	0.00	0.00	0.00
13,300.0	90.00	179.62	10,140.0	-2,337.1	106.1	2,337.8	0.00	0.00	0.00
13,400.0	90.00	179.62	10,140.0	-2,437.1	106.7	2,437.8	0.00	0.00	0.00
13,500.0	90.00	179.62	10,140.0	-2,537.1	107.4	2,537.8	0.00	0.00	0.00
13,600.0	90.00	179.62	10,140.0	-2,637.1	108.1	2,637.8	0.00	0.00	0.00
13,700.0	90.00	179.62	10,140.0	-2,737.1	108.7	2,737.8	0.00	0.00	0.00
13,800.0	90.00	179.62	10,140.0	-2,837.1	109.4	2,837.8	0.00	0.00	0.00

## ExxonMobil

## Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well 135H
<b>Company:</b>	Long Lead_Well Planning	<b>TVD Reference:</b>	RKB(3523+33) @ 3556.0usft
<b>Project:</b>	EDDY	<b>MD Reference:</b>	RKB(3523+33) @ 3556.0usft
<b>Site:</b>	PLU 15TWR	<b>North Reference:</b>	Grid
<b>Well:</b>	135H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

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)
13,900.0	90.00	179.62	10,140.0	-2,937.1	110.1	2,937.8	0.00	0.00	0.00
14,000.0	90.00	179.62	10,140.0	-3,037.1	110.7	3,037.8	0.00	0.00	0.00
14,100.0	90.00	179.62	10,140.0	-3,137.1	111.4	3,137.8	0.00	0.00	0.00
14,200.0	90.00	179.62	10,140.0	-3,237.1	112.1	3,237.8	0.00	0.00	0.00
14,300.0	90.00	179.62	10,140.0	-3,337.1	112.7	3,337.8	0.00	0.00	0.00
14,400.0	90.00	179.62	10,140.0	-3,437.1	113.4	3,437.8	0.00	0.00	0.00
14,500.0	90.00	179.62	10,140.0	-3,537.1	114.1	3,537.8	0.00	0.00	0.00
14,600.0	90.00	179.62	10,140.0	-3,637.1	114.7	3,637.8	0.00	0.00	0.00
14,700.0	90.00	179.62	10,140.0	-3,737.1	115.4	3,737.8	0.00	0.00	0.00
14,800.0	90.00	179.62	10,140.0	-3,837.1	116.1	3,837.8	0.00	0.00	0.00
14,900.0	90.00	179.62	10,140.0	-3,937.1	116.7	3,937.8	0.00	0.00	0.00
15,000.0	90.00	179.62	10,140.0	-4,037.1	117.4	4,037.8	0.00	0.00	0.00
15,100.0	90.00	179.62	10,140.0	-4,137.1	118.1	4,137.8	0.00	0.00	0.00
15,200.0	90.00	179.62	10,140.0	-4,237.1	118.7	4,237.8	0.00	0.00	0.00
15,300.0	90.00	179.62	10,140.0	-4,337.1	119.4	4,337.8	0.00	0.00	0.00
15,400.0	90.00	179.62	10,140.0	-4,437.1	120.1	4,437.8	0.00	0.00	0.00
15,500.0	90.00	179.62	10,140.0	-4,537.1	120.7	4,537.8	0.00	0.00	0.00
15,600.0	90.00	179.62	10,140.0	-4,637.1	121.4	4,637.8	0.00	0.00	0.00
15,700.0	90.00	179.62	10,140.0	-4,737.1	122.1	4,737.8	0.00	0.00	0.00
15,800.0	90.00	179.62	10,140.0	-4,837.1	122.7	4,837.8	0.00	0.00	0.00
15,827.0	90.00	179.62	10,140.0	-4,864.1	122.9	4,864.8	0.00	0.00	0.00
15,900.0	90.00	179.62	10,140.0	-4,937.1	123.4	4,937.8	0.00	0.00	0.00
16,000.0	90.00	179.62	10,140.0	-5,037.1	124.1	5,037.8	0.00	0.00	0.00
16,100.0	90.00	179.62	10,140.0	-5,137.1	124.7	5,137.8	0.00	0.00	0.00
16,200.0	90.00	179.62	10,140.0	-5,237.1	125.4	5,237.8	0.00	0.00	0.00
16,300.0	90.00	179.62	10,140.0	-5,337.1	126.0	5,337.8	0.00	0.00	0.00
16,400.0	90.00	179.62	10,140.0	-5,437.1	126.7	5,437.8	0.00	0.00	0.00
16,500.0	90.00	179.62	10,140.0	-5,537.1	127.4	5,537.8	0.00	0.00	0.00
16,600.0	90.00	179.62	10,140.0	-5,637.1	128.0	5,637.8	0.00	0.00	0.00
16,700.0	90.00	179.62	10,140.0	-5,737.1	128.7	5,737.8	0.00	0.00	0.00
16,800.0	90.00	179.62	10,140.0	-5,837.0	129.4	5,837.8	0.00	0.00	0.00
16,900.0	90.00	179.62	10,140.0	-5,937.0	130.0	5,937.8	0.00	0.00	0.00
17,000.0	90.00	179.62	10,140.0	-6,037.0	130.7	6,037.8	0.00	0.00	0.00
17,100.0	90.00	179.62	10,140.0	-6,137.0	131.4	6,137.8	0.00	0.00	0.00
17,200.0	90.00	179.62	10,140.0	-6,237.0	132.0	6,237.8	0.00	0.00	0.00
17,300.0	90.00	179.62	10,140.0	-6,337.0	132.7	6,337.8	0.00	0.00	0.00
17,400.0	90.00	179.62	10,140.0	-6,437.0	133.4	6,437.8	0.00	0.00	0.00
17,500.0	90.00	179.62	10,140.0	-6,537.0	134.0	6,537.8	0.00	0.00	0.00
17,600.0	90.00	179.62	10,140.0	-6,637.0	134.7	6,637.8	0.00	0.00	0.00
17,700.0	90.00	179.62	10,140.0	-6,737.0	135.4	6,737.8	0.00	0.00	0.00
17,800.0	90.00	179.62	10,140.0	-6,837.0	136.0	6,837.8	0.00	0.00	0.00
17,900.0	90.00	179.62	10,140.0	-6,937.0	136.7	6,937.8	0.00	0.00	0.00
18,000.0	90.00	179.62	10,140.0	-7,037.0	137.4	7,037.8	0.00	0.00	0.00
18,100.0	90.00	179.62	10,140.0	-7,137.0	138.0	7,137.8	0.00	0.00	0.00
18,200.0	90.00	179.62	10,140.0	-7,237.0	138.7	7,237.8	0.00	0.00	0.00
18,300.0	90.00	179.62	10,140.0	-7,337.0	139.4	7,337.8	0.00	0.00	0.00
18,400.0	90.00	179.62	10,140.0	-7,437.0	140.0	7,437.8	0.00	0.00	0.00
18,500.0	90.00	179.62	10,140.0	-7,537.0	140.7	7,537.8	0.00	0.00	0.00
18,600.0	90.00	179.62	10,140.0	-7,637.0	141.4	7,637.8	0.00	0.00	0.00
18,700.0	90.00	179.62	10,140.0	-7,737.0	142.0	7,737.8	0.00	0.00	0.00
18,800.0	90.00	179.62	10,140.0	-7,837.0	142.7	7,837.8	0.00	0.00	0.00
18,900.0	90.00	179.62	10,140.0	-7,937.0	143.4	7,937.8	0.00	0.00	0.00
19,000.0	90.00	179.62	10,140.0	-8,037.0	144.0	8,037.8	0.00	0.00	0.00
19,100.0	90.00	179.62	10,140.0	-8,137.0	144.7	8,137.8	0.00	0.00	0.00

# ExxonMobil

## Planning Report

<b>Database:</b>	LMRKPROD3	<b>Local Co-ordinate Reference:</b>	Well 135H
<b>Company:</b>	Long Lead_Well Planning	<b>TVD Reference:</b>	RKB(3523+33) @ 3556.0usft
<b>Project:</b>	EDDY	<b>MD Reference:</b>	RKB(3523+33) @ 3556.0usft
<b>Site:</b>	PLU 15TWR	<b>North Reference:</b>	Grid
<b>Well:</b>	135H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1		

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)
19,200.0	90.00	179.62	10,140.0	-8,237.0	145.4	8,237.8	0.00	0.00	0.00
19,300.0	90.00	179.62	10,140.0	-8,337.0	146.0	8,337.8	0.00	0.00	0.00
19,400.0	90.00	179.62	10,140.0	-8,437.0	146.7	8,437.8	0.00	0.00	0.00
19,500.0	90.00	179.62	10,140.0	-8,537.0	147.4	8,537.8	0.00	0.00	0.00
19,600.0	90.00	179.62	10,140.0	-8,637.0	148.0	8,637.8	0.00	0.00	0.00
19,700.0	90.00	179.62	10,140.0	-8,737.0	148.7	8,737.8	0.00	0.00	0.00
19,800.0	90.00	179.62	10,140.0	-8,837.0	149.4	8,837.8	0.00	0.00	0.00
19,900.0	90.00	179.62	10,140.0	-8,937.0	150.0	8,937.8	0.00	0.00	0.00
20,000.0	90.00	179.62	10,140.0	-9,037.0	150.7	9,037.8	0.00	0.00	0.00
20,100.0	90.00	179.62	10,140.0	-9,137.0	151.4	9,137.8	0.00	0.00	0.00
20,200.0	90.00	179.62	10,140.0	-9,237.0	152.0	9,237.8	0.00	0.00	0.00
20,300.0	90.00	179.62	10,140.0	-9,337.0	152.7	9,337.8	0.00	0.00	0.00
20,400.0	90.00	179.62	10,140.0	-9,437.0	153.4	9,437.8	0.00	0.00	0.00
20,500.0	90.00	179.62	10,140.0	-9,537.0	154.0	9,537.8	0.00	0.00	0.00
20,600.0	90.00	179.62	10,140.0	-9,637.0	154.7	9,637.8	0.00	0.00	0.00
20,700.0	90.00	179.62	10,140.0	-9,737.0	155.4	9,737.8	0.00	0.00	0.00
20,800.0	90.00	179.62	10,140.0	-9,837.0	156.0	9,837.8	0.00	0.00	0.00
20,900.0	90.00	179.62	10,140.0	-9,937.0	156.7	9,937.8	0.00	0.00	0.00
21,000.0	90.00	179.62	10,140.0	-10,037.0	157.4	10,037.8	0.00	0.00	0.00
21,100.0	90.00	179.62	10,140.0	-10,137.0	158.0	10,137.8	0.00	0.00	0.00
21,200.0	90.00	179.62	10,140.0	-10,237.0	158.7	10,237.8	0.00	0.00	0.00
21,300.0	90.00	179.62	10,140.0	-10,337.0	159.3	10,337.8	0.00	0.00	0.00
21,400.0	90.00	179.62	10,140.0	-10,436.9	160.0	10,437.8	0.00	0.00	0.00
21,500.0	90.00	179.62	10,140.0	-10,536.9	160.7	10,537.8	0.00	0.00	0.00
21,600.0	90.00	179.62	10,140.0	-10,636.9	161.3	10,637.8	0.00	0.00	0.00
21,700.0	90.00	179.62	10,140.0	-10,736.9	162.0	10,737.8	0.00	0.00	0.00
21,800.0	90.00	179.62	10,140.0	-10,836.9	162.7	10,837.8	0.00	0.00	0.00
21,900.0	90.00	179.62	10,140.0	-10,936.9	163.3	10,937.8	0.00	0.00	0.00
22,000.0	90.00	179.62	10,140.0	-11,036.9	164.0	11,037.8	0.00	0.00	0.00
22,100.0	90.00	179.62	10,140.0	-11,136.9	164.7	11,137.8	0.00	0.00	0.00
22,200.0	90.00	179.62	10,140.0	-11,236.9	165.3	11,237.8	0.00	0.00	0.00
22,300.0	90.00	179.62	10,140.0	-11,336.9	166.0	11,337.8	0.00	0.00	0.00
22,400.0	90.00	179.62	10,140.0	-11,436.9	166.7	11,437.8	0.00	0.00	0.00
22,500.0	90.00	179.62	10,140.0	-11,536.9	167.3	11,537.8	0.00	0.00	0.00
22,600.0	90.00	179.62	10,140.0	-11,636.9	168.0	11,637.8	0.00	0.00	0.00
22,700.0	90.00	179.62	10,140.0	-11,736.9	168.7	11,737.8	0.00	0.00	0.00
22,800.0	90.00	179.62	10,140.0	-11,836.9	169.3	11,837.8	0.00	0.00	0.00
22,900.0	90.00	179.62	10,140.0	-11,936.9	170.0	11,937.8	0.00	0.00	0.00
23,000.0	90.00	179.62	10,140.0	-12,036.9	170.7	12,037.8	0.00	0.00	0.00
23,100.0	90.00	179.62	10,140.0	-12,136.9	171.3	12,137.8	0.00	0.00	0.00
23,200.0	90.00	179.62	10,140.0	-12,236.9	172.0	12,237.8	0.00	0.00	0.00
23,300.0	90.00	179.62	10,140.0	-12,336.9	172.7	12,337.8	0.00	0.00	0.00
23,400.0	90.00	179.62	10,140.0	-12,436.9	173.3	12,437.8	0.00	0.00	0.00
23,500.0	90.00	179.62	10,140.0	-12,536.9	174.0	12,537.8	0.00	0.00	0.00
23,600.0	90.00	179.62	10,140.0	-12,636.9	174.7	12,637.8	0.00	0.00	0.00
23,650.8	90.00	179.62	10,140.0	-12,687.7	175.0	12,688.6	0.00	0.00	0.00
23,700.0	90.00	179.62	10,140.0	-12,736.9	175.3	12,737.8	0.00	0.00	0.00
23,700.8	90.00	179.62	10,140.0	-12,737.7	175.3	12,738.6	0.00	0.00	0.00



ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well 135H
Company:	Long Lead_Well Planning	TVD Reference:	RKB(3523+33) @ 3556.0usft
Project:	EDDY	MD Reference:	RKB(3523+33) @ 3556.0usft
Site:	PLU 15TWR	North Reference:	Grid
Well:	135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

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)		
135H_SHL	0.00	0.00	0.0	0.0	0.0	440,144.80	673,535.10	32° 12' 31.789 N	103° 46' 20.142 W
- plan hits target center									
- Rectangle (sides W20.0 H20.0 D0.0)									
135H_LTP	0.00	0.00	10,140.0	-12,687.7	175.1	427,457.10	673,710.20	32° 10' 26.223 N	103° 46' 18.875 W
- plan misses target center by 0.1usft at 23650.8usft MD (10140.0 TVD, -12687.7 N, 175.0 E)									
- Point									
135H_BHL	0.00	0.00	10,140.0	-12,737.7	175.4	427,407.10	673,710.50	32° 10' 25.728 N	103° 46' 18.874 W
- plan misses target center by 0.1usft at 23700.8usft MD (10140.0 TVD, -12737.7 N, 175.3 E)									
- Point									
135H_PP1	0.00	0.00	10,140.0	-4,864.1	122.9	435,280.70	673,658.00	32° 11' 43.647 N	103° 46' 19.007 W
- plan hits target center									
- Point									
135H_FTP	0.00	0.00	10,140.0	316.0	88.4	440,460.80	673,623.50	32° 12' 34.911 N	103° 46' 19.094 W
- plan hits target center									
- Point									

## SECTION 21

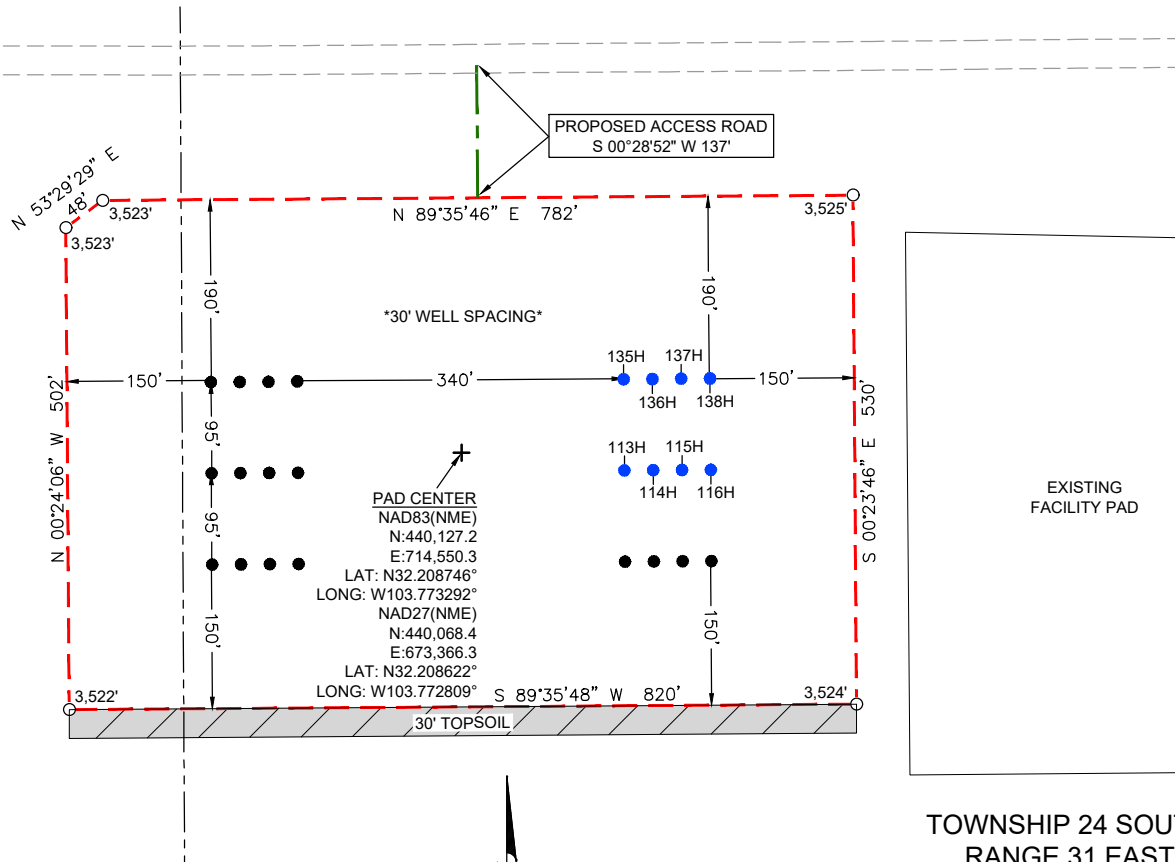
OWNER: B.L.M.

## SECTION 22

OWNER: B.L.M.

NW/4 NW/4

NE/4 NE/4



## GENERAL NOTES

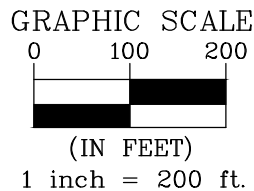
1. BEARINGS AND COORDINATES SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATES SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.
2. LATITUDE AND LONGITUDE VALUES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN DATA (NAD83).
3. REFER TO TOPOGRAPHICAL AND ACCESS ROAD MAP FOR PROPOSED ROAD LOCATION.

## DRIVING DIRECTION TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 128 AND BUCK JACKSON ROAD, GO SOUTHWEST ON BUCK JACKSON APPROX. 3.2 MILES. TURN RIGHT (NORTH) ON EXISTING ROAD FOR APPROX. 0.2 MILES. TURN LEFT (WEST) AND GO APPROX. 0.7 MILES ARRIVING AT PROPOSED ROAD AND LOCATION IS TO THE SOUTH.

I, MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

MARK DILLON HARP  
REGISTERED PROFESSIONAL LAND SURVEYOR  
STATE OF NEW MEXICO NO. 23786



ACREAGE INFORMATION	
PROPOSED PAD	= 9.965 ACRES
TOP SOIL	= 0.565 ACRES
<b>TOTAL</b>	<b>= 10.530 ACRES</b>

## LEGEND

	SECTION LINE
	PROPOSED PAD
	PROPOSED ACCESS ROAD
	TBD WELL LOCATION
	PERMITTED WELL LOCATION
	EXISTING ROAD
	TOP SOIL
	EXISTING PAD



505 Pecan Street, Suite 201, Fort Worth, TX 76102  
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Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-21732 (Eng)

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### A WELL SITE PLAN FOR XTO PERMIAN OPERATING, LLC. POKER LAKE UNIT 15 TWR PROPOSED PAD "F"

PAD CENTER IS LOCATED 491 FEET FROM THE NORTH LINE AND 411 FEET FROM THE WEST LINE OF SECTION 22, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY: AR	DATE: 07/21/2023	SCALE: 1" = 200'	PROJECT NO.: 618.013003.14
DRAWN BY: AI	FIELD CREW: RD	REVISION NO.: NO	SHEET: 1 OF 3

## SECTION 15

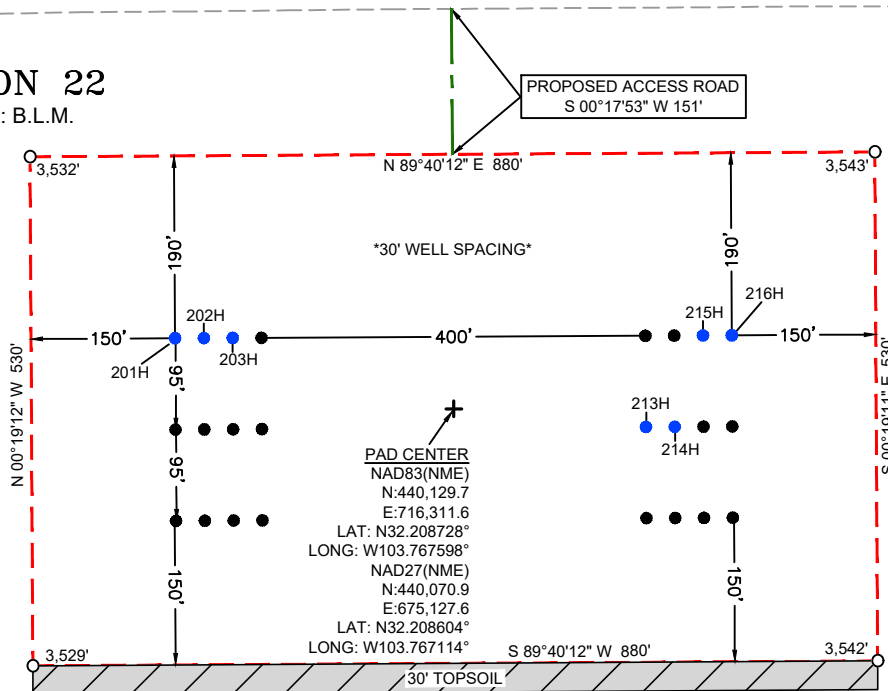
OWNER: B.L.M.

SE/4 SW/4 SW/4 SE/4

NE/4 NW/4 NW/4 NE/4

## SECTION 22

OWNER: B.L.M.

TOWNSHIP 24 SOUTH,  
RANGE 31 EAST  
N.M.P.M.

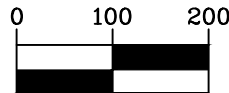
## GENERAL NOTES

1. BEARINGS AND COORDINATES SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATES SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.
2. LATITUDE AND LONGITUDE VALUES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN DATA (NAD83).
3. REFER TO TOPOGRAPHICAL AND ACCESS ROAD MAP FOR PROPOSED ROAD LOCATION.

## DRIVING DIRECTION TO LOCATION

FROM THE INTERSECTION OF HIGHWAY 128 AND BUCK JACKSON ROAD, GO SOUTHWEST ON BUCK JACKSON ROAD APPROX. 3.2 MILES. TURN RIGHT (NORTH) ON EXISTING ROAD FOR APPROX. 0.2 MILES. TURN LEFT (WEST) AND GO APPROX. 0.4 MILES ARRIVING AT PROPOSED ROAD AND LOCATION IS TO THE SOUTH.

## GRAPHIC SCALE



(IN FEET)

1 inch = 200 ft.

## ACREAGE INFORMATION

PROPOSED PAD	= 10.707 ACRES
TOP SOIL	= 0.606 ACRES
<b>TOTAL</b>	<b>= 11.313 ACRES</b>

## LEGEND

	SECTION LINE
	PROPOSED PAD
	PROPOSED ACCESS ROAD
	TBD WELL LOCATION
	PERMITTED WELL LOCATION
	EXISTING ROAD
	TOP SOIL

I, MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



MARK DILLON HARP  
REGISTERED PROFESSIONAL LAND SURVEYOR  
STATE OF NEW MEXICO NO. 23786



505 Pecan Street, Suite 201, Fort Worth, TX 76102  
ph: 817.865.5344 manhard.com  
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv), F-21732 (Eng)

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A WELL SITE PLAN FOR XTO PERMIAN OPERATING, LLC.  
POKER LAKE UNIT 15 TWR PROPOSED PAD "G"

PAD CENTER IS LOCATED 500 FEET FROM THE NORTH LINE AND 2,052 FEET FROM THE WEST LINE OF SECTION 22, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY: <b>AR</b>	DATE: <b>07/21/2023</b>	SCALE: <b>1" = 200'</b>	PROJECT NO.: <b>618.013003.14</b>
DRAWN BY: <b>AI</b>	FIELD CREW: <b>RD</b>	REVISION NO.: <b>NO</b>	SHEET: <b>1 OF 3</b>

**SECTION 15**

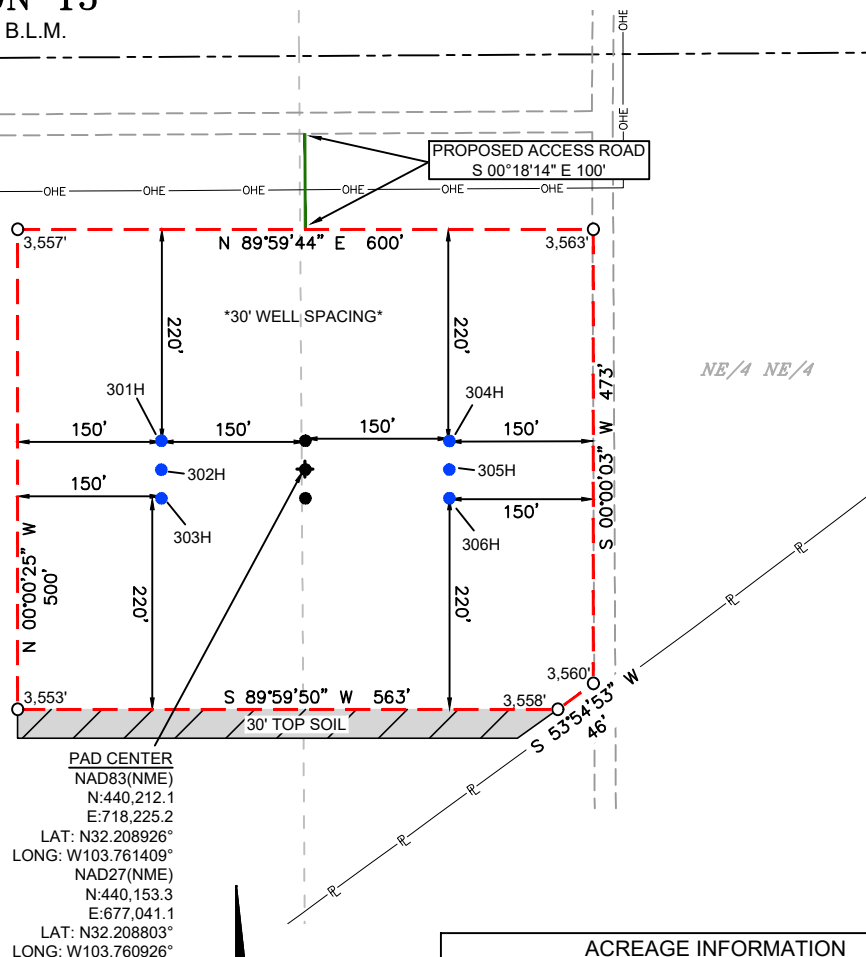
OWNER: B.L.M.

TOWNSHIP 24 SOUTH,  
RANGE 31 EAST  
N.M.P.M.

NW/4 NE/4

**SECTION 22**

OWNER: B.L.M.

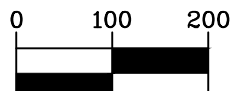
**GENERAL NOTES**

1. BEARINGS AND COORDINATES SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATES SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983.
2. LATITUDE AND LONGITUDE VALUES SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN DATA (NAD83).
3. REFER TO TOPOGRAPHICAL AND ACCESS ROAD MAP FOR PROPOSED ROAD LOCATION.

ACREAGE INFORMATION	
PROPOSED PAD	= 6.874 ACRES
TOP SOIL	= 0.373 ACRES
<b>TOTAL</b>	<b>= 7.247 ACRES</b>

**DRIVING DIRECTION TO LOCATION**

FROM THE INTERSECTION OF HIGHWAY 128 AND BUCK JACKSON RD. GO SOUTHWEST ON BUCK JACKSON RD. FOR APPROX. 3.2 MILES. TURN RIGHT (NORTH) ON EXISTING LEASE ROAD AND GO APPROX. 0.2 MILES. TURN LEFT (WEST) ON EXISTING LEASE ROAD AND GO 0.1 MILES ARRIVING AT PROPOSED ROAD AND THE LOCATION IS TO THE SOUTH.

**GRAPHIC SCALE**

(IN FEET)

1 inch = 200 ft.

**LEGEND**

---	SECTION LINE
---	PROPOSED PAD
---	PROPOSED ACCESS ROAD
●	TBD WELL LOCATION
●	PERMITTED WELL LOCATION
---	EXISTING ROAD
—OHE—OHE—	EXISTING OVERHEAD ELECTRIC
—P—P—	EXISTING PIPELINE
▨	TOP SOIL

I, MARK DILLON HARP, NEW MEXICO PROFESSIONAL SURVEYOR NO. 23786, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



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**A WELL SITE PLAN FOR XTO PERMIAN OPERATING, LLC.  
POKER LAKE UNIT 15 TWR PROPOSED PAD "H"**

PAD CENTER IS LOCATED 431 FEET FROM THE NORTH LINE AND 1,316 FEET FROM THE EAST LINE OF SECTION 22, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M. EDDY COUNTY, NEW MEXICO

CHECKED BY: <b>AR</b>	DATE: <b>07/21/2023</b>	SCALE: <b>1" = 200'</b>	PROJECT NO.: <b>618.013003.14</b>
DRAWN BY: <b>AI</b>	FIELD CREW: <b>RD</b>	REVISION NO.: <b>NO</b>	SHEET: <b>1 OF 3</b>

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 277703

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 277703
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	7/15/2024