

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Well Number: 406H

Sundry Print Report of 31

Well Name: POKER LAKE UNIT 13 Well Location: T24S / R30E / SEC 24 / County or Parish/State:

NWNE / DTD

Allottee or Tribe Name: Type of Well: OIL WELL

Lease Number: NMNM030453 **Unit or CA Name: Unit or CA Number:**

NMNM71016X

US Well Number: Well Status: Approved Application for **Operator:** XTO ENERGY

INCORPORATED Permit to Drill

Notice of Intent

Sundry ID: 2760434

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

Date Sundry Submitted: 11/08/2023 Time Sundry Submitted: 09:02

Date proposed operation will begin: 11/27/2023

Procedure Description: XTO Energy, Inc. respectfully requests approval to make changes to the Approved APD (ID 10400089958) as follows: Surface Hole Change, First and Last Take Point Changes, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change, SHL: FROM: 508' FNL & 1399' FEL TO: 508' FNL & 1344' FEL of Section 24-T24S-R30E FTP: FROM: 100' FNL & 550' FEL TO: 100' FNL & 1540' FEL of Section 24-T24S-R30E LTP: FROM: 100' FSL & 550' FEL TO: 100' FSL & 1540' FEL of Section 25-T24S-R30E BHL: FROM: 50' FSL & 550' FEL TO: 50' FSL & 1540' FEL of Section 25-T24S-R30E HOLE AND CASING SIZES: surface, intermediate and production hole, casing and cement will be downsized based on the attached drilling program. Due to the downsize in these strings, the wellhead configuration has also changed based on the attached drilling program. Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program Directional Plan MBS

NOI Attachments

Procedure Description

PLU 13 DTD 406H Sundry Attachments 20231214152613.pdf

Released to Imaging: 1/24/2024 11:26:50 AM

Well Name: POKER LAKE UNIT 13

DTD

Well Location: T24S / R30E / SEC 24 /

NWNE /

Well Number: 406H

Type of Well: OIL WELL

County or Parish/State:

Page 2

Allottee or Tribe Name:

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NMNM71016X

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Permit to Drill

Operator: XTO ENERGY

INCORPORATED

Conditions of Approval

Additional

Sec_24_24S_30E_NMP_Sundry_2760434_Poker_Lake_Unit_13_DTD_406H_COAs_20231226104039.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

Sec_24_24S_30E_NMP_Sundry_2760434_Poker_Lake_Unit_13_DTD_406H_Eng_Worksheet_20231226104039.pdf

Operator Electronic Signature: RANELL (RUSTY) KLEIN Signed on: DEC 14, 2023 03:26 PM

Name: XTO ENERGY INCORPORATED

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND State: TX

Phone: (432) 620-6700

Email address: RANELL.KLEIN@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

BLM POC Title: Assistant Field Manager Lands & Minerals

BLM POC Email Address: clayton@blm.gov

Disposition Date: 01/05/2024

Released to Imaging: 1/24/2024 11:26:50 AM Disposition: Approved

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

BUR	EAU OF LAND MANAGEMEN	T		5. Lease Serial No.	NMNMO	30453
Do not use this	NOTICES AND REPORTS ON form for proposals to drill or Use Form 3160-3 (APD) for s	to re-enter	an	6. If Indian, Allottee		
SUBMIT IN	TRIPLICATE - Other instructions on p	age 2		7. If Unit of CA/Agre	eement,	Name and/or No.
1. Type of Well	_			NMNM71016X		
Oil Well Gas	_). POKE	R LAKE UNIT 13 DTD/406H
2. Name of Operator XTO ENERGY	INCORPORATED			9. API Well No.		
3a. Address 222777 SPRINGSWO	ODS VILLAGE PKWY, SPI 3b. Phone N		code)	10. Field and Pool or	Explora	tory Area
	(817) 870-	2800		WC-015 G-06 S2		/Bone Spring
4. Location of Well (Footage, Sec., T., SEC 24/T24S/R30E/NMP	R.,M., or Survey Description)			11. Country or Parish EDDY/NM	ı, State	
12. CHI	ECK THE APPROPRIATE BOX(ES) TO	INDICATE NAT	URE OF NOTI	CE, REPORT OR OT	HER DA	ATA
TYPE OF SUBMISSION			TYPE OF ACT	TION		
Notice of Intent		eepen		uction (Start/Resume)		Water Shut-Off
		ydraulic Fracturi	_	mation	⊢	Well Integrity
Subsequent Report		ew Construction ug and Abandon	=	mplete	Ш	Other
Final Abandonment Notice		ug and Abandon ug Back	=	orarily Abandon r Disposal		
First and Last Take Point Cha SHL: FROM: 508 FNL & 1399 FTP: FROM: 100 FNL & 550 LTP: FROM: 100 FSL & 550 BHL: FROM: 50 FSL & 550 F		Drilling Plan Cl ction 24-T24S-I ion 24-T24S-R on 25-T24S-R on 25-T24S-R30I nole, casing and	nange, Direction R30E 80E E	nal Plan Change, C	Casing/C	cement Change.
14. I hereby certify that the foregoing is	s true and correct. Name (Printed/Typed)					
RANELL (RUSTY) KLEIN / Ph: (43	32) 620-6700	Title Regu	latory Analyst			
Signature (Electronic Submissi	on)	Date		12/14/2	2023	
	THE SPACE FOR FE	DERAL OR	STATE OF	ICE USE		
Approved by						
CHRISTOPHER WALLS / Ph: (57	'5) 234-2234 / Approved	Title	Petroleum Eng	ineer	Date	01/05/2024
	ched. Approval of this notice does not war equitable title to those rights in the subject anduct operations thereon.		CARLSBAD			
Title 19 II C C Section 1001 and Title	43 U.S.C. Section 1212, make it a crime for	r any narcon Izno	wingly and will:	fully to make to any d	lenartme	nt or agency of the United States

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

(Form 3160-5, page 2)

Additional Information

Additional Remarks

Attachments:

C102

Drilling Program

Directional Plan

MBS

Location of Well

0. SHL: NWNE / 508 FNL / 1399 FEL / TWSP: 24S / RANGE: 30E / SECTION: 24 / LAT: 32.209227 / LONG: -103.830201 (TVD: 0 feet, MD: 0 feet)
PPP: NENE / 330 FNL / 550 FEL / TWSP: 24S / RANGE: 30E / SECTION: 25 / LAT: 32.18191 / LONG: -103.82746 (TVD: 9943 feet, MD: 15700 feet)
PPP: NENE / 100 FNL / 550 FEL / TWSP: 24S / RANGE: 30E / SECTION: 24 / LAT: 32.210345 / LONG: -103.827456 (TVD: 9943 feet, MD: 10400 feet)
BHL: SESE / 50 FSL / 550 FEL / TWSP: 24S / RANGE: 30E / SECTION: 25 / LAT: 32.181715 / LONG: -103.827481 (TVD: 9943 feet, MD: 20797 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO Energy Incorporated
WELL NAME & NO.: Poker Lake Unit 13 DTD 406H
LOCATION: Sec 24-24S-30E-NMP
COUNTY: Eddy County, New Mexico

Changes approved through engineering via **Sundry 2760434** on 12/26/2023. Any previous COAs not addressed within the updated COAs still apply.

COA

H ₂ S	No	C Yes		
Potash / WIPP	None	Secretary	C R-111-P	□ WIPP
Cave / Karst	C Low	• Medium	High	Critical
Wellhead	Conventional	Multibowl	O Both	Diverter
Cementing	Primary Squeeze	Cont. Squeeze	EchoMeter	DV Tool
Special Req	Break Testing	Water Disposal	□ COM	✓ Unit
Variance	▼ Flex Hose	Casing Clearance	Pilot Hole	Capitan Reef
Variance	Four-String	Offline Cementing	Fluid-Filled	Open Annulus
		Batch APD / Sundry		

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

- 1. The **9-5/8** inch surface casing shall be set at approximately 602 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after

- completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:

Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

- a. First stage: Operator will cement with intent to reach the top of the **Brushy** Canyon at 6378'
- b. Second stage:
 - Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, Capitan Reef, or potash.
- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

Operator has proposed to pump down 9-5/8" X 7-5/8" annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus OR operator shall run a CBL from TD of the 7-5/8" casing to surface after the second stage BH to verify TOC. Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out.

If cement does not reach surface, the next casing string must come to surface. Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least 300 feet (increased tieback due to not meeting 0.422" clearance requirement per 43 CFR 3172) into previous casing string. Operator shall provide method of verification. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, Capitan Reef, or potash.

C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. (Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing

operations.

- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

Contact the BLM prior to the commencement of any offline cementing procedure.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
 - Eddy County
 Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, BLM_NM_CFO_DrillingNotifications@BLM.GOV (575) 361-2822
 - ✓ Lea CountyCall the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981
- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.

- BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.
- B. PRESSURE CONTROL
- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.

- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR part 3170 Subpart 3172 must be followed.
- e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
 - e. The results of the test shall be reported to the appropriate BLM office.

- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per 43 CFR part 3170 Subpart 3172.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Poker Lake Unit 13 DTD 406H

				Poke	r Lake Uni	t 13 DTD 406	Н					
9 5/8	surface o	esg in a	12 1/4	inch hole.		Design	Factors			Surfa	ce	
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weigh
"A"	40.00	J	55	BTC	26.16	9.23	1.78	602	15	2.94	17.62	24,080
"B"				BTC				0				0
w/8.4#/g	g mud, 30min Sfc	Csg Test psig:	1,500	Tail Cmt	does not	circ to sfc.	Totals:	602	_			24,080
Comparison o	of Proposed to	Minimum R	equired Ceme	ent Volumes								
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dis
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp
12 1/4	0.3132	230	363	189	92	8.90	1343	2M				0.81
					Site piat (pip	DE FACKS S OF E)	as per 0.0.1	.111.12.4.1. 1101	t found.			
7 5/8	casing in	side the	9 5/8			Design	Factors -		-	Int 1	l '	
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	а-В	a-C	Weigh
"A"	29.70	RY P	110	Flush Joint	4.70	2.41	1.75	4,000	4	2.77	3.98	118,80
"B"	29.70	HCL	80	Flush Joint	∞	2.60	1.27	5,149	3	2.01	4.30	152,92
w/8.4#/g	g mud, 30min Sfc	Csg Test psig:					Totals:	9,149				271,72
	The cement vo	olume(s) are	intended to a	chieve a top of	0	ft from su	urface or a	602				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dis
Size 8 3/4	Volume 0.1005	Cmt Sx	CuFt Cmt	Cu Ft 924	% Excess	Mud Wt	MASP	BOPE				Hole-Cp 0.56
Tail cmt												
5 1/2	casing ins		7 5/8	_		Design Fa				Prod		
Segment	#/ft	Grade	110	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weigh
"A"	20.00	RY P		Semi-Premiur	3.54	2.05	2.34	9,049	2	3.70	3.25	180,98
"B"	20.00	RY P		Semi-Flush	∞	2.05	2.34	11,838	2	3.70	3.25	236,76
•	g mud, 30min Sfc		*		0.400	64	Totals:	20,887				417,74
		- ' '		chieve a top of	8400	ft from su		749				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dis
Size	Volume 0.0835	Cmt Sx	CuFt Cmt 1292	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp 0,23
6 3/4		840	1292	1050	23	11.50						0.23
Class 'C' tail cr	iii yid ~ 1.55											
#N/A												
0			5 1/2			<u>Design</u>	Factors		<(Choose C	asing>	
Segment	#/ft	Grade		Coupling	#N/A	Collapse	Burst	Length	B@s	a - B	a-C	Weigh
"A"				0.00				0				0
"B"				0.00				0				0
w/8.4#/ş	g mud, 30min Sfc			TOO! () : :	#1514A		Totals:	0				.0
				TOC intended	#N/A	ft from su		#N/A				overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dis
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cp
0		#N/A	#N/A	0	#N/A							

Carlsbad Field Office 12/26/2023

Capitan Reef est top XXXX.

#N/A

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

<u>District III</u> 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

APD ID 10400089958

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	r	² Pool Code	³ Pool Name	
30-015-		97975	WC-015 G-06 S243119C; Bone S	pring
⁴ Property Code		⁵ P	roperty Name	⁶ Well Number
		POKER L	AKE UNIT 13 DTD	406H
⁷ OGRID No.		⁸ O	perator Name	⁹ Elevation
005380		X	TO Energy, Inc.	3,477'

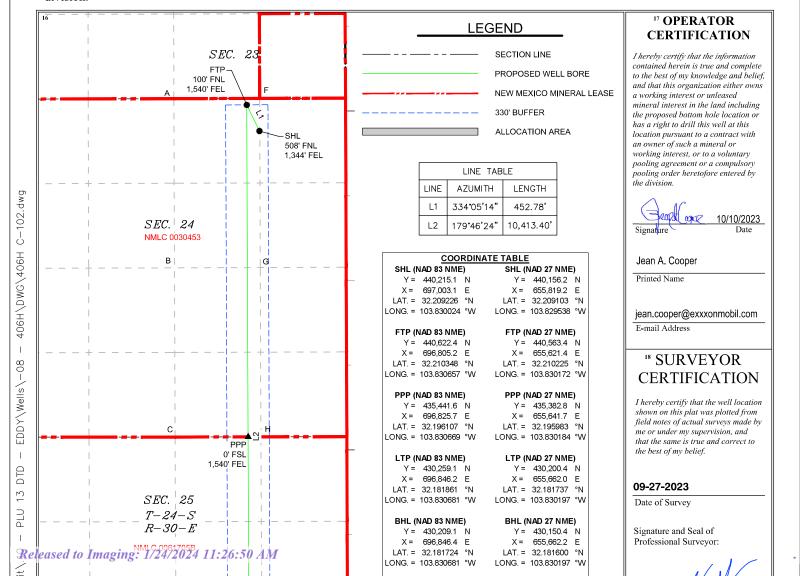
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	24	24\$	30E		508	NORTH	1,344	EAST	EDDY

"Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn		North/South line	Feet from the	East/West line	County
0	25	248	30E		50	SOUTH	1,540	EAST	EDDY
12 Dedicated Acres	¹³ Joint or	Infill 14Co	onsolidation C	Code 15 Oro	ler 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.
Poker Lake Unit 13 DTD 406H
Projected TD: 20887.44' MD / 9926.84' TVD
SHL: 508' FNL & 1344' FEL , Section 24, T24S, R30E
BHL: 50' FSL & 1540' FEL , Section 25, T24S, R30E
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	502'	Water
Top of Salt	952'	Water
Base of Salt	3998'	Water
Delaware	4211'	Water
Brushy Canyon	6378'	Water/Oil/Gas
Bone Spring	8084'	Water
1st Bone Spring	9010'	Water/Oil/Gas
2nd Bone Spring	9807'	Water/Oil/Gas
3rd Bone Spring	10446'	Water/Oil/Gas
Wolfcamp	11590'	Water/Oil/Gas
Wolfcamp X	11616'	Water/Oil/Gas
Wolfcamp Y	11694'	Water/Oil/Gas
Wolfcamp A	11751'	Water/Oil/Gas
Wolfcamp B	12192'	Water/Oil/Gas
Wolfcamp D	12530'	Water/Oil/Gas
Wolfcamp E	12585'	Water/Oil/Gas
Target/Land Curve	9927'	Water/Oi l /Gas

^{***} Hydrocarbons @ Brushy Canyon

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 @ 602' (350' 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 9149.36' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 20887.44 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 8849.36 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 602'	9.625	40	J-55	втс	New	1.39	10.46	26.16
8.75	0' - 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.71	2.52	2.05
8.75	4000' – 9149.36'	7.625	29.7	HC L-80	Flush Joint	New	1.97	2.01	2.65
6.75	0' - 9049.36'	5.5	20	RY P-110	Semi-Premium	New	1.26	2.14	2.27
6.75	9049.36' - 20887.44'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.95	2.27

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

^{***} Groundwater depth 40' (per NM State Engineers Office).

[·] 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
- \cdot 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 +/- 602'

Lead: 100 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 +/- 9149.36'

st Stage

Optional Lead: 340 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 250 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6378

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: 720 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 (6378') 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, 20 New Semi-Flush, RY P-110 casing to be set at +/- 20887.44'

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

Tail: 820 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement:

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 3494 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 nippling up on the 9.625, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nippling 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	Viscosity	Fluid Loss
INTERVAL	Tible Size	Mud Type	(ppg)	(sec/qt)	(cc)
0' - 602'	12.25	FW/Native	8.4-8.9	35-40	NC
602' - 9149.36'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9149.36' - 20887.44'	6.75	ОВМ	11-11.5	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 5678 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.

Well Plan Report - POKER LAKE UNIT 13 DTD 406H

Well Plan Report

D POKER LAKE UNIT 13 DTD 406H							
Site: Slot:							
20887.44 ft 9926.84 ft	New Mexico East - NAD 27	440156.20 ft	655819.20 ft	3509.00 ft	3477.00 ft	Grid	0.27 Deg
Measured Depth: TVD RKB: Location	Cartographic Reference System:	Northing:	Easting:	RKB:	Ground Level:	North Reference:	Convergence Angle:

Plan Sections	PO	POKER LAKE UNIT 13 DTD 406H	13 DTD 406Н					
Measured			TVD			Build	Turn	Dogleg
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate
(ft)	(Ded)	(Deg)	(£	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft) Target
00.00	0.00	00.00	0.00	00.00	00.00	00.00	00:00	0.00
1200.00	0.00	00.00	1200.00	00.00	00.00	00.00	0.00	0.00
1932.86	14.66	349.88	1924.89	91.78	-16.39	2.00	0.00	2.00
5705.86	14.66	349.88	5575.11	1031.61	-184.22	00.00	0.00	0.00
6438.72	0.00	00.00	6300.00	1123.39	-200.61	-2.00	0.00	2.00
9349.36	00.00	00.00	9210.64	1123.39	-200.61	00.00	00.00	0.00
10474.36	00.06	179.78	9926.84	407.20	-197.80	8.00	00.00	8.00 FTP 8
20837,44	00.06	179.78	9926.84	-9955.80	-157.20	00.00	00.00	0.00 LTP 8
20887.44	00.06	179.78	9926.84	-10005.80	-157.00	00.00	00.00	0.00 BHL 8

Magnitude Semi-major Semi-minor Tool	
Magı	
Vertical	TD406H.HTML
Lateral	ports/POKERLAKEUNIT13DTD406H.HTML
Measured TVD Highside	file:///C:/Users/arsriva/Landmark/DecisionSpace/WellPlanning/Reports/POK
	Ψ.

POKER LAKE UNIT 13 DTD 406H

Position Uncertainty

9/18/23, 8:30 AM Released to Imaging: 1/24/2024 11:26:50 AM

	Azimuth Used	(3)	0.000 MWD+IFR1+MS	112.264 MWD+IFR1+MS	122.711 MWD+IFR1+MS	125.469 MWD+IFR1+MS	126.713 MWD+IFR1+MS	127.419 MWD+IFR1+MS	127.873 MWD+IFR1+MS	128.190 MWD+IFR1+MS	128,423 MWD+IFR1+MS	128.602 MWD+IFR1+MS	128.744 MWD+IFR1+MS	128.859 MWD+IFR1+MS	128.954 MWD+IFR1+MS	123.533 MWD+IFR1+MS	113.168 MWD+IFR1+MS	107.750 MWD+IFR1+MS	104.652 MWD+IFR1+MS	102.706 MWD+IFR1+MS	101.396 MWD+IFR1+MS	100.473 MWD+IFR1+MS	100.413 MWD+IFR1+MS	100,448 MWD+IFR1+MS	100.719 MWD+IFR1+MS	101.094 MWD+IFR1+MS	101.459 MWD+IFR1+MS	101.817 MWD+IFR1+MS	102.165 MWD+IFR1+MS	102.506 MWD+IFR1+MS	102.838 MWD+IFR1+MS	103.162 MWD+IFR1+MS	103.479 MWD+IFR1+MS
	Error	(#)	000'0	0.220	0.627	0.986	1.344	1,701	2.059	2.417	2.775	3.133	3.491	3.849	4.207	4.599	5.043	5.427	5.789	6.142	6.491	6.841	6.954	7.187	7.543	7.905	8.268	8.634	9.001	9.369	9.739	10.110	10.482
	Error	(#)	000'0	0.751	1.259	1.698	2,108	2.503	2.888	3.267	3.642	4.014	4.384	4.752	5.119	5.608	6.305	6.985	7.632	8.247	8.833	9.395	9.496	9.682	9.970	10.274	10.584	10.899	11.218	11.543	11.871	12.203	12.538
ort	of Bias	(#)	000'0	0.000	0.000	0.000	0.000	000'0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	Error Bias	(ft) (ft)	0.000 0.000	2.300 0.000	2.310 0.000	2.326 0.000	2.348 0.000	2.375 0.000	2.408 0.000	2.445 0.000	2.487 0.000	2.533 0.000	2.584 0.000	2.637 0.000	2.694 0.000	2.754 0.000	2.817 0.000	2.885 0.000	2.961 0.000	3.046 0.000	3.142 0.000	3.251 0.000	3.271 0.000	3.326 0.000	3.415 0.000	3.509 0.000	3.605 0.000	3.705 0.000	3.808 0.000	3.914 0.000	4.022 0.000	4.133 0.000	4.246 0.000
	Bias	(#)	0000	0.000	0.000	0.000	0000	000.0	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0.000	0.000	0.000	0.000
	Error	(£)	0.000	0.350	0.861	1.271	1.658	2.034	2.405	2.773	3.138	3.502	3.865	4.228	4.589	5.105	5.454	5.803	6.153	6.502	6.853	7.206	7.315	7.540	7.892	8.254	8.618	8.984	9.352	9.722	10.092	10.464	10.838
	Bias	(£	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Error	(ft)	000'0	0.700	1.112	1.497	1.871	2.240	2.607	2.971	3.334	3.696	4.058	4.419	4.779	5.149	5.944	6.656	7.308	7.914	8.482	9.020	9.107	9.300	9.596	9.904	10.219	10.540	10.867	11.198	11.533	11.873	12.216
	RKB	(#)	0.000	100.000	200.000	300.000	400.000	200,000	000.009	700.000	800.000	000 006	1000.000	1100.000	1200.000	1299.980	1399.838	1499.452	1598.702	1697 465	1795.623	1893.055	1924 895	1989.848	2086.594	2183.339	2280.085	2376 831	2473 576	2570.322	2667 068	2763.813	2860.559
	Azimuth	0	00000	0.000	0.000	0.000	0000	0000	0000	00000	0.000	0.000	0.000	0.000	0.000	349.875	349.875	349.875	349.875	349 875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349 875	349.875	349.875
	Inclination	(.)	000'0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.000	4.000	000.9	8.000	10.000	12.000	14.000	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657
9/18/23, 8:30 AM	Depth	(#)	0.000	100.000	200.000	300.000	400.000	500,000	000'009	700.000	800.000	900.006	1000.000	1100.000	1200.000	1300.000	1400.000	1500.000	1600.000	1700.000	1800.000	1900.000	1932.862	2000.000	2100.000	2200.000	2300.000	2400.000	2500.000	2600.000	2700.000	2800.000	2900.000
	leas	ed to	o Im	agir	ng:	1/24	/202	24 1.	1:26	:50	AM																						

	103.788 MWD+IFR1+MS	104.089 MWD+IFR1+MS	104.383 MWD+IFR1+MS	104.670 MWD+IFR1+MS	104.949 MWD+IFR1+MS	105.222 MWD+IFR1+MS	105,488 MWD+IFR1+MS	105.747 MWD+IFR1+MS	106,000 MWD+IFR1+MS	106.246 MWD+IFR1+MS	106,486 MWD+IFR1+MS	106.720 MWD+IFR1+MS	106.948 MWD+IFR1+MS	107.170 MWD+IFR1+MS	107.387 MWD+IFR1+MS	107.597 MWD+IFR1+MS	107.803 MWD+IFR1+MS	108.002 MWD+IFR1+MS	108.197 MWD+IFR1+MS	108.386 MWD+IFR1+MS	108.571 MWD+IFR1+MS	108.750 MWD+IFR1+MS	108.924 MWD+IFR1+MS	109.094 MWD+IFR1+MS	109.259 MWD+IFR1+MS	109.419 MWD+IFR1+MS	109.575 MWD+IFR1+MS	109.755 MWD+IFR1+MS	109.575 MWD+IFR1+MS	108.573 MWD+IFR1+MS	107.612 MWD+IFR1+MS	106.751 MWD+IFR1+MS	105.983 MWD+IFR1+MS
	10.855	11.228	11,603	11.978	12.354	12.731	13,108	13,485	13.863	14.242	14.621	15.000	15.380	15.760	16.140	16.520	16.901	17.282	17.664	18.045	18,427	18.809	19.191	19.573	19.956	20.338	20.721	21.127	21.484	21.865	22.240	22.606	22.965
	12.877	13.218	13.563	13.909	14.258	14.610	14.963	15.318	15.675	16.033	16.393	16.754	17.117	17.481	17.846	18.212	18.579	18.947	19.316	19.686	20.057	20.428	20.801	21.173	21.547	21.921	22.296	22.695	23.076	23.535	23.993	24.445	24.888
ort	0.000	0.000	000'0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	4.361 0.000	4.478 0.000	4.597 0.000	4.718 0.000	4.841 0.000	4.966 0.000	5.092 0.000	5.220 0.000	5.350 0.000	5.481 0.000	5.614 0.000	5.749 0.000	5.885 0.000	6.022 0.000	6.161 0.000	6.302 0.000	6.444 0.000	0.588 0.000	6.733 0.000	0.000 0.889	7.028 0.000	7.178 0.000	7.330 0.000	7.483 0.000	7.638 0.000	7.794 0.000	7.952 0.000	8.121 0.000	8.277 0.000	8.445 0.000	8.604 0.000	8.754 0.000	8.896 0.000
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	11.212	11.587	11,963	12.340	12.717	13.095	13.474	13.853	14.233	14.613	14.993	15.374	15.755	16.137	16.519	16.901	17.283	17.666	18.049	18.432	18.815	19.199	19.582	19.966	20.350	20.734	21.119	21.527	21.886	22.261	22.631	22.994	23.350
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	000.0	0.000	0.000	0.000
	12.563	12.913	13.265	13.621	13.979	14.339	14.701	15.065	15.431	15.799	16 169	16.539	16.911	17.285	17 660	18.035	18.412	18 790	19 169	19.549	19.929	20.310	20.692	21.075	21.459	21.843	22.227	22.636	23 061	23.548	24.003	24 421	24.801
	2957.305	3054.050	3150,796	3247.542	3344.287	3441.033	3537,779	3634,524	3731.270	3828.016	3924.762	4021.507	4118.253	4214.999	4311.744	4408.490	4505.236	4601.981	4698.727	4795.473	4892.218	4988.964	5085.710	5182,455	5279.201	5375.947	5472.692	5575.105	5666.559	5764.450	5862,993	5962.069	6061.556
	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875	349.875
	14.657	14.657	14,657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	14.657	12.774	10.774	8.774	6.774	4.774
9/18/23, 8:30 AM	3000.000	3100.000	3200.000	3300.000	3400.000	3500.000	3600.000	3700.000	3800.000	3900.000	4000.000	4100.000	4200.000	4300.000	4400.000	4500.000	4600.000	4700.000	4800.000	4900.000	2000.000	5100.000	5200.000	5300.000	5400.000	5500.000	2600.000	5705.858	5800.000	2900.000	000.0009	6100.000	6200.000

Released to Imaging: 1/24/2024 11:26:50 AM

	105,302 MWD+IFR1+MS	104.703 MWD+IFR1+MS	104.680 MWD+IFR1+MS	104.714 MWD+IFR1+MS	104.852 MWD+IFR1+MS	105.050 MWD+IFR1+MS	105.245 MWD+IFR1+MS	105.439 MWD+IFR1+MS	105.631 MWD+IFR1+MS	105.821 MWD+IFR1+MS	106.009 MWD+IFR1+MS	106.196 MWD+IFR1+MS	106.380 MWD+IFR1+MS	106.563 MWD+IFR1+MS	106.744 MWD+IFR1+MS	106.924 MWD+IFR1+MS	107.101 MWD+IFR1+MS	107.277 MWD+IFR1+MS	107.452 MWD+IFR1+MS	107.624 MWD+IFR1+MS	107.795 MWD+IFR1+MS	107.964 MWD+IFR1+MS	108.132 MWD+IFR1+MS	108.298 MWD+IFR1+MS	108.462 MWD+IFR1+MS	108.624 MWD+IFR1+MS	108.785 MWD+IFR1+MS	108.945 MWD+IFR1+MS	109.103 MWD+IFR1+MS	109.259 MWD+IFR1+MS	109.414 MWD+IFR1+MS	109.567 MWD+IFR1+MS	109.594 MWD+IFR1+MS
	23.316	23.659	23.788	23.991	24.326	24.662	24.999	25.337	25.675	26.014	26.353	26.693	27.033	27.373	27.714	28.056	28.397	28.739	29.082	29.425	29.768	30.111	30,455	30.799	31.143	31.488	31.833	32.178	32.523	32.869	33.215	33.561	33.732
	25.322	25 746	25.873	26.065	26.380	26.700	27.020	27.342	27.665	27.989	28.313	28.638	28.965	29.292	29.619	29.948	30.277	30.607	30.937	31.269	31.601	31.933	32.266	32.600	32.934	33.268	33.604	33,939	34.276	34.612	34 949	35.287	35.451
ort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	9.032 0.000	9.162 0.000	9.212 0.000	9.289 0.000	9.419 0.000	9.551 0.000	00000 989.6	9.823 0.000	9.963 0.000	10.106 0.000	10.252 0.000	10.401 0.000	10.553 0.000	10.707 0.000	10.865 0.000	11.025 0.000	11.189 0.000	11.355 0.000	11.525 0.000	11.697 0.000	11.872 0.000	12.051 0.000	12.232 0.000	12.417 0.000	12.605 0.000	12.795 0.000	12.989 0.000	13.186 0.000	13.386 0.000	13.589 0.000	13.796 0.000	14.005 0.000	14.110 0.000
	0.000	0.000	000'0	0.000	0.000	0.000	0.000	0.000	0000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0.000	0.000	0.000
	23.698	24.040	23,927	24.130	24.466	24.805	25.144	25.484	25.825	26.166	26.507	26.849	27.191	27.534	27.877	28.221	28.565	28.909	29.254	29.598	29.944	30.289	30.635	30.981	31.327	31.674	32.021	32.368	32.716	33.063	33.411	33.759	33.929
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000'0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000	0.000	0.000	0.000	0.000	0.000	000.0	000.0	0.000
	25.142	25.445	25.744	25.936	26.250	26.567	26.886	27.205	27.525	27.847	28 169	28.492	28.816	29.140	29.466	29.792	30.119	30.447	30.775	31.104	31.434	31.764	32.095	32.427	32.759	33 091	33.424	33.758	34,092	34.427	34.762	35.098	35.262
	6161.334	6261.281	6300,000	6361.280	6461.280	6561.280	6661,280	6761.280	6861,280	6961.280	7061.280	7161.280	7261.280	7361.280	7461.280	7561.280	7661.280	7761.280	7861.280	7961.280	8061.280	8161.280	8261.280	8361.280	8461.280	8561.280	8661.280	8761.280	8861.280	8961.280	9061.280	9161.280	9210.643
	349.875	349.875	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	2.774	0 774	0.000	0.000	0.000	0.000	0000	00000	00000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9/18/23, 8:30 AM	6300.000	6400.000	6438.720	6500.000	000.0099	6700.000	6800,000	000'0069	7000.000	7100.000	7200.000	7300.000	7400.000	7500.000	7600.000	7700.000	7800.000	7900.000	8000.000	8100.000	8200.000	8300.000	8400.000	8500.000	8600.000	8700.000	8800.000	8900.000	9000.0006	9100.000	9200,000	9300.000	9349.363
	leas	ed to	o Im	agiı	ng:	1/24	/202	24 1.	1:26	:50	AM																						

	109.445 MWD+IFR1+MS	105.099 MWD+IFR1+MS	101,448 MWD+IFR1+MS	99.799 MWD+IFR1+MS	98.968 MWD+IFR1+MS	98.554 MWD+IFR1+MS	98.385 MWD+IFR1+MS	98,366 MWD+IFR1+MS	98.431 MWD+IFR1+MS	98.521 MWD+IFR1+MS	98.572 MWD+IFR1+MS	98.531 MWD+IFR1+MS	98.504 MWD+IFR1+MS	98.421 MWD+IFR1+MS	98.362 MWD+IFR1+MS	98.322 MWD+IFR1+MS	98.302 MWD+IFR1+MS	98.301 MWD+IFR1+MS	98.321 MWD+IFR1+MS	98.363 MWD+IFR1+MS	98.427 MWD+IFR1+MS	98.516 MWD+IFR1+MS	98.631 MWD+IFR1+MS	98.776 MWD+IFR1+MS	98.955 MWD+IFR1+MS	99.171 MWD+IFR1+MS	99.432 MWD+IFR1+MS	99.743 MWD+IFR1+MS	100.116 MWD+IFR1+MS	100.564 MWD+IFR1+MS	101.102 MWD+IFR1+MS	101.754 MWD+IFR1+MS	102.553 MWD+IFR1+MS
	33,898	34.228	34,524	34.774	34.986	35.164	35,308	35.420	35,502	35,555	35.580	35.581	35.578	35.581	35.604	35.642	35.697	35.767	35.854	35.956	36.073	36.206	36.355	36.518	36.696	36.889	37.096	37.316	37.551	37.798	38.058	38.330	38.614
	35.621	36.514	37.789	38.900	39.824	40.554	41.093	41,458	41.674	41,775	41.802	41.801	41.800	41.798	41.797	41.797	41.797	41.798	41.800	41.803	41.807	41.812	41.817	41.824	41.831	41.839	41.849	41.859	41.871	41.884	41.898	41.915	41.934
ort	0000	0.000	0.000	0.000	0.000	0.000	0000	0.000	0000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	14.216 0.000	14.460 0.000	14.869 0.000	15.508 0.000	16.424 0.000	17.620 0.000	19.065 0.000	20.706 0.000	22.478 0.000	24.316 0.000	26.155 0.000	26.977 0.000	27.042 0.000	27.251 0.000	27.485 0.000	27.740 0.000	28.014 0.000	28.307 0.000	28.619 0.000	28.949 0.000	29.296 0.000	29.659 0.000	30.039 0.000	30.435 0.000	30.845 0.000	31.269 0.000	31.708 0.000	32.159 0.000	32.623 0.000	33.099 0.000	33.587 0.000	34.086 0.000	34.596 0.000
	34.097 -0.000	34.392 -0.000	34.663 -0.000	34.906 -0.000	35.118 -0.000	35.299 -0.000	35.448 -0.000	35.566 -0.000	35.654 -0.000	35.711 -0.000	35.738 -0.000	35.737 -0.000	35.733 -0.000	35.734 -0.000	35.754 -0.000	35.790 -0.000	35.842 -0.000	35.911 -0.000	35.996 -0.000	36.096 -0.000	36.213 -0.000	36.346 -0.000	36.494 -0.000	36.657 -0.000	36.836 -0.000	37.029 -0.000	37.238 -0.000	37.461 -0.000	37.698 -0.000	37.949 -0.000	38.213 -0.000	38.491 -0.000	38.783 -0.000
	35.074 0.000	34.913 0.000	34.737 0.000	34.070 0.000	33.003 0.000	31.655 0.000	30.178 0.000	28.759 0.000	27.616 0.000	26.967 0.000	26.988 0.000	26.977 0.000	27.042 0.000	27.251 0.000	27.485 0.000	27.740 0.000	28.014 0.000	28.307 0.000	28.619 0.000	28.949 0.000	29.296 0.000	29.659 0.000	30.039 0.000	30.435 0.000	30.845 0.000	31.269 0.000	31.708 0.000	32.159 0.000	32.623 0.000	33.099 0.000	33.587 0.000	34.086 0.000	34.596 0.000
	9261.238	9360.172	9456.196	9547.440	9632.129	9708.614	9775.406	9831.206	9874,928	9905.720	9922.983	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840
	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776
	4.051	12.051	20.051	28.051	36.051	44.051	52.051	60.051	68.051	76.051	84.051	90.000	000'06	000'06	90.000	90.000	90.000	000'06	90.000	90.000	000'06	000'06	90.000	90.000	90.000	90.000	90.000	000'06	000'06	90.000	000'06	90.000	90.000
9/18/23, 8:30 AM	9400.000	000'0056	000'0096	9700.000	9800.000	000'0066	10000.000	10100.000	10200.000	10300.000	10400.000	10474.363	10500.000	10600.000	10700.000	10800.000	10900.000	11000.000	11100.000	11200.000	11300.000	11400.000	11500.000	11600.000	11700.000	11800.000	11900.000	12000.000	12100.000	12200.000	12300.000	12400.000	12500.000

Released to Imaging: 1/24/2024 11:26:50 AM

	103.541 MWD+IFR1+MS	104.784 MWD+IFR1+MS	106,375 MWD+IFR1+MS	108.454 MWD+IFR1+MS	111.235 MWD+IFR1+MS	115.034 MWD+IFR1+MS	120,269 MWD+IFR1+MS	127.301 MWD+IFR1+MS	-44.083 MWD+IFR1+MS	-35.154 MWD+IFR1+MS	-27.451 MWD+IFR1+MS	-21.568 MWD+IFR1+MS	-17.277 MWD+IFR1+MS	-14.147 MWD+IFR1+MS	-11.819 MWD+IFR1+MS	-10.045 MWD+IFR1+MS	-8.661 MWD+IFR1+MS	-7.558 MWD+IFR1+MS	-6.662 MWD+IFR1+MS	-5.923 MWD+IFR1+MS	-5.305 MWD+IFR1+MS	-4.781 MWD+IFR1+MS	-4.333 MWD+IFR1+MS	-3.946 MWD+IFR1+MS	-3.608 MWD+IFR1+MS	-3.312 MWD+IFR1+MS	-3.051 MWD+IFR1+MS	-2.819 MWD+IFR1+MS	-2.612 MWD+IFR1+MS	-2.426 MWD+IFR1+MS	-2.258 MWD+IFR1+MS	-2.107 MWD+IFR1+MS	-1.969 MWD+IFR1+MS
	38.908	39.211	39,523	39.841	40.161	40.479	40.785	41.066	41.305	41,489	41.622	41.716	41.785	41.839	41.884	41.922	41.956	41.988	42.018	42.046	42.074	42.101	42.128	42.155	42.182	42.209	42.236	42.263	42.291	42.319	42.347	42.375	42.404
	41.955	41 980	42,009	42.045	42.091	42.151	42.234	42.353	42.526	42.764	43.064	43.412	43.795	44.203	44.630	45.071	45.526	45.991	46 467	46.952	47 445	47 946	48.455	48.972	49.495	50.024	50.561	51 103	51 651	52.204	52.764	53 328	53.897
oort	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Well Plan Report	35.115 0.000	35.645 0.000	36.183 0.000	36.731 0.000	37.287 0.000	37.851 0.000	38,423 0.000	39.002 0.000	39,588 0,000	40.181 0.000	40.781 0.000	41.387 0.000	41.998 0.000	42.616 0.000	43.239 0.000	43.867 0.000	44.500 0.000	45.137 0.000	45.780 0.000	46.426 0.000	47.077 0.000	47.732 0.000	48.391 0.000	49.053 0.000	49.719 0.000	50.389 0.000	51.062 0.000	51.738 0.000	52.416 0.000	53.098 0.000	53.783 0.000	54.470 0.000	55.160 0.000
	35.115 0.000 39.087 -0.000	35.645 0.000 39.403 -0.000	36.183 0.000 39.732 -0.000	36.731 0.000 40.072 -0.000	37.287 0.000 40.425 -0.000	37.851 0.000 40.788 -0.000	38.423 0.000 41.163 -0.000	39.002 0.000 41.548 -0.000	39.588 0.000 41.944 -0.000	40.181 0.000 42.350 -0.000	40.781 0.000 42.766 -0.000	41.387 0.000 43.191 -0.000	41.998 0.000 43.626 -0.000	42.616 0.000 44.070 -0.000	43.239 0.000 44.522 -0.000	43.867 0.000 44.983 -0.000	44.500 0.000 45.452 -0.000	45.137 0.000 45.929 -0.000	45.780 0.000 46.414 -0.000	46.426 0.000 46.906 -0.000	47.077 0.000 47.405 -0.000	47.732 0.000 47.912 -0.000	48.391 0.000 48.425 -0.000	49.053 0.000 48.945 -0.000	49.719 0.000 49.471 -0.000	50.389 0.000 50.004 -0.000	51.062 0.000 50.542 -0.000	51.738 0.000 51.086 -0.000	52.416 0.000 51.636 -0.000	53.098 0.000 52.191 -0.000	53.783 0.000 52.752 -0.000	54.470 0.000 53.317 -0.000	55.160 0.000 53.888 -0.000
	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840	9926.840
	179.776	179.776	179,776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776	179.776
	90.000	90.000	90,000	90.000	90.000	90.000	000'06	000'06	000'06	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	000'06	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000	90.000
9/18/23, 8:30 AM	12600.000	12700.000	12800,000	12900.000	13000.000	13100.000	13200.000	13300,000	13400.000	13500.000	13600.000	13700.000	13800.000	13900.000	14000.000	14100.000	14200.000	14300.000	14400.000	14500.000	14600.000	14700.000	14800.000	14900.000	15000.000	15100.000	15200.000	15300,000	15400.000	15500.000	15600.000	15700.000	15800.000
	leas	ed to	o Im	agiı	ıg:	1/24	/202	24 1	1:26	:50	AM																						

90.000 179.776 99 90.000 179.776 99			54.463	-0.000		0.000	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0,0	
	9926.840	56.548 0.000	55.043	-0.000	56.548 0.000	0.000	55.051	42.463	-1.729 MWD+IFR1+MS
			56.216	-0.000		0.000	56.223	42.523	
179.776 99	9926.840	58.646 0.000	56.809	-0.000	58.646 0.000	0.000	56.815	42.554	-1.440 MWD+IFR1+MS
179.776 99	9926.840	59.350 0.000	57.406	-0.000	59.350 0.000	0.000	57.411	42.585	-1.358 MWD+IFR1+MS
179.776 99	9926.840	60.055 0.000	58.007	-0.000	60.055 0.000	0.000	58.012	42.617	-1.282 MWD+IFR1+MS
179.776 99	9926.840	000 0 892 0 000	58.612	-0.000	60.763 0.000	0.000	58.616	42.649	-1.212 MWD+IFR1+MS
179.776 99	9926.840	61 473 0 000	59.221	-0.000	61.473 0.000	0.000	59.225	42.682	-1.147 MWD+IFR1+MS
179.776 99	9926.840	62.184 0.000	59.833	-0.000	62.184 0.000	0.000	59.836	42.715	-1.086 MWD+IFR1+MS
179.776 99	9926.840	62.897 0.000	60.449	-0.000	62.897 0.000	0.000	60.452	42.748	-1.030 MWD+IFR1+MS
179.776 99	9926.840	63.612 0.000	61.068	-0.000	63.612 0.000	0.000	61.070	42.782	-0.977 MWD+IFR1+MS
179 776 99	9926.840	64.328 0.000	61.690	-0.000	64.328 0.000	0.000	61.692	42.816	-0.928 MWD+IFR1+MS
179.776 99	9926.840	65.046 0.000	62.316	-0.000	65.046 0.000	0.000	62.318	42.851	-0.882 MWD+IFR1+MS
179.776 99	9926.840	65.766 0.000	62.944	-0.000	65.766 0.000	0.000	62.946	42.887	-0.839 MWD+IFR1+MS
179.776 99	9926.840	66.487 0.000	63.576	-0.000	66.487 0.000	0.000	63.577	42.922	-0.799 MWD+IFR1+MS
179.776 99	9926.840	67.209 0.000	64.210	-0.000	67.209 0.000	0.000	64.212	42.959	-0.761 MWD+IFR1+MS
179.776 99	9926.840	67.933 0.000	64.848	-0.000	67.933 0.000	0.000	64.849	42.995	-0.725 MWD+IFR1+MS
179.776 99	9926.840	68 658 0 000	65.488	-0.000	68.658 0.000	0.000	65.489	43.032	-0.692 MWD+IFR1+MS
179.776 99	9926.840	69 384 0 000	66.130	-0.000	69.384 0.000	0.000	66.131	43.070	-0.660 MWD+IFR1+MS
179.776 99	9926.840	70.112 0.000	922.99	-0.000	70.112 0.000	0.000	66.777	43.108	-0.630 MWD+IFR1+MS
179.776 99	9926.840	70.841 0.000	67.424	-0.000	70.841 0.000	0.000	67.424	43.147	-0.602 MWD+IFR1+MS
90.000 179.776 99	9926.840	71.571 0.000	68.074	-0.000	71.571 0.000	0.000	68.075	43.186	-0.575 MWD+IFR1+MS
179.776 99	9926.840	72.302 0.000	68.727	-0.000	72.302 0.000	0.000	68.727	43.225	-0.550 MWD+IFR1+MS
90.000 179.776 99	9926.840	73.035 0.000	69.381	-0.000	73.035 0.000	0.000	69.382	43.265	-0.526 MWD+IFR1+MS
90.000 179.776 99	9926.840	73 768 0 000	70.039	-0.000	73.768 0.000	0.000	70.039	43.305	-0.504 MWD+IFR1+MS
179.776 99	9926.840	74.502 0.000	70.698	-0.000	74.502 0.000	0.000	70.698	43.346	-0.483 MWD+IFR1+MS
179.776 99	9926.840	75.238 0.000	71.360	-0.000	75.238 0.000	0.000	71.360	43.388	-0.462 MWD+IFR1+MS
179.776 99	9926.840	75.974 0.000	72.023	-0.000	75.974 0.000	0.000	72.023	43,429	-0.443 MWD+IFR1+MS
179.776 99	9926.840	76.712 0.000	72.689	-0.000	76.712 0.000	0.000	72.689	43.472	-0.425 MWD+IFR1+MS
179.776 99	9926.840	77 450 0 000	73.356	-0.000	77.450 0.000	0.000	73.356	43.514	-0.407 MWD+IFR1+MS
179.776 99	9926.840	78.189 0.000	74.025	-0.000	78.189 0.000	0.000	74 026	43.557	-0.391 MWD+IFR1+MS
179.776 99	9926.840	78.930 0.000	74.697	-0.000	78.930 0.000	0.000	74.697	43.601	-0.375 MWD+IFR1+MS

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Target Name

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9/18/23, 8:30 AM								Well	Well Plan Report				
19200.000	90.000	179.776	179.776 9926.840	79.671	79.671 0.000	75.370	-0.000	79.671	0.000	0.000	75.370	43.645	-0.360 MWD+IFR1+MS
19300.000	90.000	179.776	9926.840	80.412	0.000	76.045	-0.000	80.412	0.000	0.000	76.045	43.690	-0.346 MWD+IFR1+MS
19400.000	90.000	179.776	9926.840	81.155	81,155 0,000	76.721	-0.000	81,155 (0.000	0.000	76,721	43,735	-0.333 MWD+IFR1+MS
19500.000	90.000	179.776	9926.840	81.898	0.000	77.399	-0.000	81.898 (0.000	0.000	77.399	43.780	-0.320 MWD+IFR1+MS
19600.000	90.000	179.776	9926.840	82.643	82.643 0.000	78.079	-0.000	82.643	0.000	0.000	78.079	43.826	-0.307 MWD+IFR1+MS
19700.000	90.000	179.776	179.776 9926.840	83.388	0.000	78.760	-0.000	83.388 (0.000	0.000	78.760	43.872	-0.296 MWD+IFR1+MS
19800.000	90.000	179.776	9926.840	84.133	84.133 0.000	79.443	-0.000	84.133 (0.000	0.000	79,443	43,919	-0.285 MWD+IFR1+MS
19900.000	000'06	179.776	179.776 9926.840	84.880	84.880 0.000	80.127	-0.000	84.880	0.000	0.000	80.127	43.966	-0.274 MWD+IFR1+MS
20000.000	000'06	179.776	9926.840	85.627	85.627 0.000	80.813	-0.000	85.627	0.000	0.000	80.813	44.014	-0.264 MWD+IFR1+MS
20100.000	000'06	179.776	179.776 9926.840	86.374	86.374 0.000	81.500	-0.000	86.374	0.000	0.000	81.500	44.062	-0.254 MWD+IFR1+MS
20200.000	90.000	179.776	9926.840	87.123	0.000	82.189	-0.000	87.123	0.000	0.000	82.189	44.111	-0.245 MWD+IFR1+MS
20300.000	90.000	179.776	179.776 9926.840	87.872	87.872 0.000	82.879	-0.000	87.872	0.000	0.000	82.879	44.160	-0.236 MWD+IFR1+MS
20400.000	90.000	179 776	9926.840	88.621	0.000	83.570	-0.000	88.621	0.000	0.000	83.570	44.209	-0.227 MWD+IFR1+MS
20500.000	90.000	179.776	179.776 9926.840	89.372	89.372 0.000	84.263	-0.000	89.372 (0.000	0.000	84.263	44.259	-0.219 MWD+IFR1+MS
20600.000	90.000	179.776	179.776 9926.840	90.122	90.122 0.000	84.957	-0.000	90.122	0.000	0.000	84.957	44.309	-0.211 MWD+IFR1+MS
20700.000	90.000	179.776	179.776 9926.840	90.874	90.874 0.000	85.652	-0.000	90.874 (0.000	0.000	85.652	44.360	-0.204 MWD+IFR1+MS
20800.000	90.000	179.776	179.776 9926.840	91.626	91.626 0.000	86.348	-0.000	91.626 (0.000	0.000	86.348	44.412	-0.196 MWD+IFR1+MS
20837.442	90.000	179.776	179.776 9926.840	91.907	91.907 0.000	809'98	-0.000	91.907 (0.000	0.000	809.98	44.431	-0.194 MWD+IFR1+MS
20887,442	000'06	179.776	179.776 9926.840	92.282	92.282 0.000	86 955	-0.000	92.282 (0.000	0.000	86.955	44.457	-0.190 MWD+IFR1+MS
Plan Targets		_	POKER LAKE UNIT 13 DTD 40	E UNIT 13	DTD 40	Н9							
			2	Measured Depth)epth		Grid	Grid Northing		Grid Easting	sting	TVD MSL	Target Shape

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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

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 298884

CONDITIONS

Operator:	OGRID:
XTO PERMIAN OPERATING LLC.	373075
6401 HOLIDAY HILL ROAD	Action Number:
MIDLAND, TX 79707	298884
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By		Condition Date
ward.rikala	All original COA's still apply.	1/24/2024