

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

Well Number: 102H

Well Name: POKER LAKE UNIT 29-20 Well Location: T25S / R31E / SEC 29 / County or Parish/State:

NENW /

Type of Well: CONVENTIONAL GAS

Allottee or Tribe Name:

WELL

Unit or CA Name: Unit or CA Number:

NMNM71016X

US Well Number: Well Status: Approved Application for Operator: XTO PERMIAN

Permit to Drill

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Lease Number: NMLC061634B

Sundry ID: 2765076

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 12/07/2023

Time Sundry Submitted: 02:26

Date proposed operation will begin: 01/05/2024

Procedure Description: Pool Change, First and Last Take Point Changes, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change. POOL: FROM: (98220) Purple Sage; Wolfcamp (gas) TO: WC; Big Sinks; Bone Spring (96654) FTP: FROM: 2310' FNL & 750' FWL TO: 2115' FNL & 586' FEL of Section 29-T25S-R31E PPP1: 2649' FNL & 587' FEL LTP: FROM: 100' FNL & 750' FWL TO: 2566' FSL & 571' FEL of Section 17-T25S-R31E BHL: FROM: 50' FNL & 750' FWL TO: 2665' FSL & 571' FEL of Section 17-T25S-R31E 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

Poker_Lake_Unit_29_20_BS_102H_Sundry_Attachments_20231207142531.pdf

Received by OCD: Well Received by OCD: Well Received by OCD: Well Received by OCD:

Well Location: T25S / R31E / SEC 29 /

County or Parish/State:

Allottee or Tribe Name:

Page 2 of 30

NENW /

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NMNM71016X

Well Status: Approved Application for

Permit to Drill

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Sec_29_25S_31E_NMP_Sundry_2765076_Poker_Lake_Unit_29_20_BS_102H_COAs_20240126100436.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: JAN 23, 2024 12:14 PM

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: CHRISTOPHER WALLS BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234 BLM POC Email Address: cwalls@blm.gov

Disposition: Approved Disposition Date: 01/26/2024

Signature: Chris Walls

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

BUR	EAU OF LAND MANAGEMENT		5. Lease Serial No.	NMLC061634B
Do not use this t	NOTICES AND REPORTS ON V form for proposals to drill or to Use Form 3160-3 (APD) for su	o re-enter an	6. If Indian, Allottee	or Tribe Name
SUBMIT IN	TRIPLICATE - Other instructions on pag	ne 2	7. If Unit of CA/Agre	eement, Name and/or No.
1. Type of Well	,	,	NMNM71016X	
Oil Well Gas V	Vell Other		8. Well Name and No). POKER LAKE UNIT 29-20 BS/102H
2. Name of Operator XTO PERMIAN	OPERATING LLC		9. API Well No.	
3a. Address 6401 HOLIDAY HILL R	OAD BLDG 5, MIDLAND, 3b. Phone No. (432) 683-22	(include area code, 177		Exploratory Area BONE SPING, SOUTH
4. Location of Well (Footage, Sec., T.,I SEC 29/T25S/R31E/NMP	R.,M., or Survey Description)		11. Country or Parish EDDY/NM	ı, State
12. CHE	CK THE APPROPRIATE BOX(ES) TO IN	DICATE NATURE	OF NOTICE, REPORT OR OT	HER DATA
TYPE OF SUBMISSION		TYF	PE OF ACTION	
Notice of Intent	Acidize Deep Alter Casing Hyd		Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
Subsequent Report		Construction and Abandon	Recomplete Temporarily Abandon	Other
Final Abandonment Notice	Convert to Injection Plug	Back	Water Disposal	
completed. Final Abandonment No is ready for final inspection.) Pool Change, First and Last T Casing/Cement Change. POOL: FROM: (98220) Purple FTP: FROM: 2310 FNL & 750 PPP1: 2649 FNL & 587 FEL LTP: FROM: 100 FNL & 750 FBHL: FROM: 50 FNL & 750 FML: FROM: 50 FML: FROM: 50 FNL & 750 FML: FROM: 50 FNL & 750 FML: FROM: 50 FML: FROM: 50 FML: FROM: 50 FML: FROM: 50 FML: 50 FM	ons. If the operation results in a multiple contices must be filed only after all requirementake Point Changes, Bottom Hole Location Sage; Wolfcamp (gas) TO: WC; Big Si FWL TO: 2115 FNL & 586 FEL of Section FWL TO: 2566 FSL & 571 FEL of Section FWL TO: 2665 FSL & 571 FEL of Section Sourface, intermediate and production hole in these strings, the wellhead configuration and section of the sectio	on Change, Drillinnks; Bone Spring ion 29-T25S-R31E 17-T25S-R31E e, casing and cen	ation, have been completed and g Plan Change, Directional F (96654) enent will be downsized based	the operator has detennined that the site Plan Change, on the attached drilling
Casing/Cement design per the Continued on page 3 additiona	0.0			
	true and correct. Name (Printed/Typed)	Regulatory Title	/ Analyst	
Signature (Electronic Submission	on)	Date	01/23/2	2024
	THE SPACE FOR FED	ERAL OR STA	ATE OFICE USE	
Approved by				
CHRISTOPHER WALLS / Ph: (57	5) 234-2234 / Approved	Title Petro	leum Engineer	01/27/2024 Date
	hed. Approval of this notice does not warran equitable title to those rights in the subject lo duct operations thereon.		RLSBAD	
T': 10 H C C C .: 1001 1 T': 1 4	3 II S.C. Section 1212, make it a crime for a		ly and willfully to make to any d	

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 State 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: NENW / 531 FNL / 1575 FWL / TWSP: 25S / RANGE: 31E / SECTION: 29 / LAT: 32.107095 / LONG: -103.803751 (TVD: 0 feet, MD: 0 feet)

PPP: SWNW / 2310 FNL / 750 FWL / TWSP: 25S / RANGE: 31E / SECTION: 29 / LAT: 32.102201 / LONG: -103.806463 (TVD: 11514 feet, MD: 12194 feet)

BHL: NWNW / 50 FNL / 750 FWL / TWSP: 25S / RANGE: 31E / SECTION: 20 / LAT: 32.123018 / LONG: -103.806274 (TVD: 11514 feet, MD: 19767 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: XTO Permian Operating LLC
WELL NAME & NO.: Poker Lake Unit 29-20 BS 102H
LOCATION: Sec 29-25S-31E-NMP
COUNTY: Eddy County, New Mexico

Changes approved through engineering via **Sundry 2765076** on 01/26/2024. 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	© 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 43 CFR 3176 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 862 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. NOTE: This area has a high dissolution of salt, so the operator may need to make adjustments to their surface set depths to find a competent set point.
 - 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 6859'
- 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. 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 into previous casing string (due to not meeting the 0.422" clearance requirement.) 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. (This is not necessary for secondary recovery unit wells)

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system) 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 (API No. / US Well No. contains 30-015-####)
 Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
 BLM_NM_CFO_DrillingNotifications@BLM.GOV
 (575) 361-2822
 - Lea County (API No. / US Well No. contains 30-025-####)
 Call 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.

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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 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

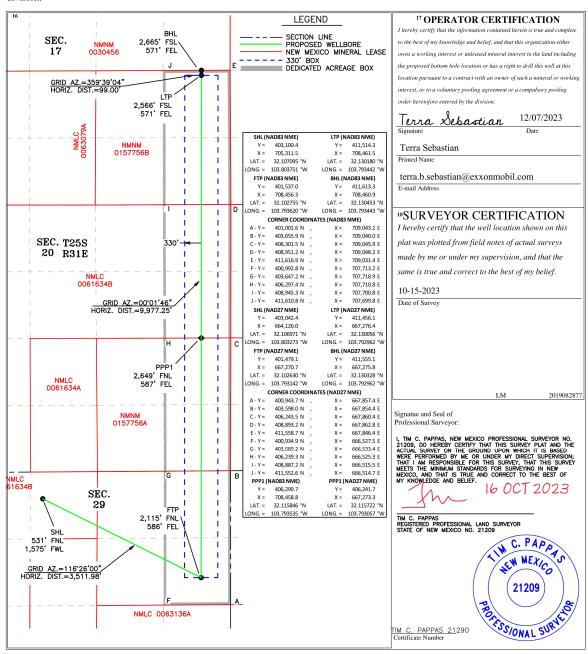
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Number ID 104000			² Pool Code 96654			³ Pool Na WC; Big Si		Spring	
⁴ Property	Code				⁵ Property l	Name			6 1	Well Number
				PC	OKER LAKE UI	NIT 29-20 BS				102H
7 OGRID	No.				8 Operator	Name				9 Elevation
373075					XTO Permian 0	Operating, LLC.				3,363'
					¹⁰ Surface 1	Location				
UL or lot no.	Section	East	/West line	County						
C	29	25 S	31 E		531	NORTH	1,575	WE	ST	EDDY
			11 Bo	ttom Hole	Location If	Different From	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East	/West line	County
I	17	25 S	31 E		2,665	SOUTH	571	EAS	ST	EDDY
12 Dedicated Acre	s 13 Joint o	r Infill 14 Co	solidation	Code 15 Ord	er 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 29-20 BS 102H Projected TD: 21866.45' MD / 10181' TVD SHL: 531' FNL & 1575' FWL , Section 29, T25S, R31E BHL: 2665' FSL & 571' FEL , Section 17, T25S, R31E Eddy County, NM

1. Geologic Name of Surface Formation

Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	762'	Water
Top of Salt	1137'	Water
Base of Salt	3994'	Water
Delaware	4199'	Water
Brushy Canyon	6859'	Water/Oil/Gas
Bone Spring	8139'	Water
1st Bone Spring	8963'	Water/Oil/Gas
2nd Bone Spring	9588'	Water/Oil/Gas
Target/Land Curve	10181'	Water/Oil/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 @ 862' (275' 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 10465.69' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 21866.45 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10165.69 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 862'	9.625	40	J-55	втс	New	1.38	7.30	18.27
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.85	2.71	1.80
8.75	4000' — 10465.69'	7.625	29.7	HC L-80	Flush Joint	New	2.07	1.99	2.11
6.75	0' - 10365.69'	5.5	20	RY P-110	Semi-Premium	New	1.26	1.96	2.09
6.75	10365.69' - 21866.45'	5.5	20	RY P-110	Semi-Flush	New	1.26	2.00	2.09

[•] 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

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

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.
 - $\cdot \ \text{Manufacturer will monitor welding process to ensure appropriate temperature of seal.}$
 - · 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 +/- 862'

Lead: 180 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 +/- 10465.69'

st Stage

Optional Lead: 370 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 330 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6859

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: 770 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 (6859') 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 +/- 21866.45'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 10165.69 feet
Tail: 800 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10665.69 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 3319 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	Fiole Size	Muu Type	(ppg)	(sec/qt)	(cc)
0' - 862'	12.25	FW/Native	8.4-8.9	35-40	NC
862' - 10465.69'	8.75	FW / Cut Brine / Direct Emulsion	9.5-10	30-32	NC
10465.69' - 21866.45'	6.75	ОВМ	10.5-11	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 5559 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 - PLU 29-20 102H

	∢	PLU 29-20 102H								
Well Plan Report	Site:	Slot:								
PLU 29-20 102H	21866.45 ft	10181.00 ft		New Mexico East - NAD 27	403042.40 ft	664126.00 ft	3395.00 ft	3363.00 ft	Grid	0.28 Deg
1/2/23, 12:09 PM Seport - PLU 29-20 102H	Suissured Depth:	TVD RKB:	Location	Cartographic Reference System:	Northing:	Easting:	WI RKB:	Ground Level:	North Reference:	Convergence Angle:

Plan Sections	PLI	PLU 29-20 102H						
Measured			ΔΛΙ			Build	Turn	Dogleg
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate
(ft)	(Deg)	(Deg)	(#)	(ff)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft) Target
00.00	00.00	00.00	00.00	00.00	00.00	0.00	0.00	00.00
1100.00	0.00	00.00	1100.00	00.00	00.00	0.00	0.00	0.00
3017.99	38.36	125.94	2877.88	-362.98	500.69	2.00	0.00	2.00
7282.90	38.36	125.94	6222.12	-1916.51	2643.60	0.00	0.00	0.00
9200.89	00.00	00'0	8000.00	-2279 50	3144.29	-2.00	0.00	2.00
10665.69	00.00	00.00	9464.80	-2279.50	3144.29	0.00	0.00	00.00
11790.69	90.00	0.03	10181.00	-1563.30	3144.70	8.00	0.00	8.00 FTP 1
21767.69	90.00	0.03	10181.00	8413.70	3150.40	0.00	0.00	0.00 LTP 1
21866.45	90.00	0.03	10181.00	8512.45	3150.46	00.00	00.00	0.00 BHL 1

	Semi-major Semi-minor Semi-minor Tool
	Magnitude S
	Vertical
	Lateral
PLU 29-20 102H	TVD Highside
Position Uncertainty	Measured

	Azimuth Used	(,)	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	130,300 MWD+IFR1+MS	97.092 MWD+IFR1+MS	62.239 MWD+IFR1+MS	56.961 MWD+IFR1+MS	55.165 MWD+IFR1+MS	54.316 MWD+IFR1+MS	53.865 MWD+IFR1+MS	53.628 MWD+IFR1+MS	53.528 MWD+IFR1+MS	53.531 MWD+IFR1+MS	53.622 MWD+IFR1+MS	53.797 MWD+IFR1+MS	54.060 MWD+IFR1+MS	54.420 MWD+IFR1+MS	54.896 MWD+IFR1+MS	55.511 MWD+IFR1+MS	56.299 MWD+IFR1+MS	57.311 MWD+IFR1+MS	58.613 MWD+IFR1+MS
	Error	(#)	0.000	0.220	0.627	0.986	1.344	1.701	2.059	2.417	2.775	3.133	3.491	3.849	4.367	5.185	5.571	5.882	6.195	6.515	6.845	7.184	7.535	7.898	8.275	8.666	9.074	9.499	9.943	10,407	10.892	11.398	11.926
	Error	(#)	0.000	0.751	1.259	1.698	2.108	2.503	2.888	3.267	3.642	4.014	4.384	4.752	5.041	5.405	660'9	6.802	7.459	8.075	8.660	9.218	9.754	10.271	10.772	11.258	11.732	12.196	12.649	13.094	13.531	13,963	14.390
ort	of Bias	(f	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	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
Well Plan Report	Error Bias	(ft) (ft)	0.000 0.000	2.300 0.000	2.310 0.000	2.325 0.000	2.347 0.000	2.374 0.000	2.406 0.000	2.444 0.000	2.485 0.000	2.531 0.000	2.581 0.000	2.634 0.000	2.691 0.000	2.751 0.000	2.816 0.000	2.889 0.000	2.972 0.000	3.067 0.000	3.175 0.000	3.298 0.000	3.438 0.000	3.596 0.000	3.773 0.000	3.969 0.000	4.187 0.000	4.426 0.000	4.687 0.000	4.970 0.000	5.276 0.000	5.605 0.000	5.957 0.000
	Error Bias	(ft) (ft)	0.000 0.000	0.350 0.000	0.861 0.000	1.271 0.000	1.658 0.000	2.034 0.000	2.405 0.000	2.773 0.000	3.138 0.000	3.502 0.000	3.865 0.000	4.228 0.000	5.037 -0.000	5.355 -0.000	5.678 -0.000	6.008 -0.000	6.344 -0.000	6.687 -0.000	7.037 -0.000	7.395 -0.000	7.764 -0.000	8.143 -0.000	8.536 -0.000	8.942 -0.000	9.364 -0.000	9.804 -0.000	0.263 -0.000	10.742 -0.000	11.245 -0.000	11.771 -0.000	12.323 -0.000
	r Bias	(ft)	000.0	000.0	2 0.000	0.000 7	1 0.000	000.00	0.000 7	1 0.000	4 0.000	000.0	8 0.000	000.0	000.0	000.0	3 0.000	4 0.000	2 0.000	0.000 7	000.0 6	3 0.000	3 0.000	2 0.000	3 0.000	000.0 6	1 0.000	000.0	0.000	0.000	0.000	0000	0.000
	Error	(#)	0.000	00.700	1.112	1.497	1.871	2.240	2.607	2.971	3.334	3.696	4.058	4.419	4 369	5.230	5.983	6.664	7.292	7.877	8.429	8,953	9.453	9.932	10.393	10.839	11.271	11.690	12.099	12.499	12.889	13.273	13.650
	RKB	(ff)	0.000	100.000	200.000	300.000	400.000	500.000	000.009	700.000	800.000	900 000	1000.000	1100.000	1199.980	1299.838	1399.452	1498.702	1597.465	1695.623	1793.055	1889.643	1985.268	2079.816	2173.169	2265.215	2355.841	2444.937	2532.394	2618.107	2701.970	2783,881	2863.740
	Azimuth	©	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	125 941	125 941	125 941	125 941	125.941	125.941	125.941	125.941	125.941	125 941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941
	Inclination	(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	16.000	18.000	20.000	22.000	24.000	26.000	28.000	30.000	32.000	34.000	36,000	38.000
11/2/23, 12:09 PM	Depth	(#)	0.000	100.000	200.000	300.000	400.000	200'000	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	2000.000	2100.000	2200.000	2300.000	2400.000	2500.000	2600.000	2700.000	2800.000	2900,000	3000.000
	eleas	ed to	o Im	agi	ng:	2/1/.	2024	4 11	:00:	15 A	1 <i>M</i>																						

	58.899 MWD+IFR1+MS	60,635 MWD+IFR1+MS	63.436 MWD+IFR1+MS	66.993 MWD+IFR1+MS	71.393 MWD+IFR1+MS	76.663 MWD+IFR1+MS	82.609 MWD+IFR1+MS	88.780 MWD+IFR1+MS	94.618 MWD+IFR1+MS	99.721 MWD+IFR1+MS	103.955 MWD+IFR1+MS	107.377 MWD+IFR1+MS	110.122 MWD+IFR1+MS	112.332 MWD+IFR1+MS	114.127 MWD+IFR1+MS	115.601 MWD+IFR1+MS	116.826 MWD+IFR1+MS	117.855 MWD+IFR1+MS	118.729 MWD+IFR1+MS	119,479 MWD+IFR1+MS	120.127 MWD+IFR1+MS	120.693 MWD+IFR1+MS	121.190 MWD+IFR1+MS	121.629 MWD+IFR1+MS	122.020 MWD+IFR1+MS	122.370 MWD+IFR1+MS	122.685 MWD+IFR1+MS	122.969 MWD+IFR1+MS	123.227 MWD+IFR1+MS	123.462 MWD+IFR1+MS	123.677 MWD+IFR1+MS	123.874 MWD+IFR1+MS	124.056 MWD+IFR1+MS
	12.022	12.467	13.018	13.569	14.113	14.641	15.146	15.625	16.076	16.504	16.915	17 313	17 704	18.090	18.474	18.857	19.241	19.625	20.010	20.396	20.785	21.174	21.566	21 960	22.355	22.752	23.151	23.551	23.954	24.358	24.763	25.170	25.579
	14.447	14 698	15.026	15 379	15.757	16.167	16.615	17.102	17.629	18.191	18.781	19 392	20.019	20.660	21.310	21.967	22.631	23.301	23.975	24.653	25.334	26.018	26.704	27 393	28.084	28 777	29.471	30.167	30.864	31.563	32.263	32.964	33.666
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	5.987 0.000	6,167 0,000	6.404 0.000	6.653 0.000	6.913 0.000	7.182 0.000	7.458 0.000	7.742 0.000	8.033 0.000	8.329 0.000	8.630 0.000	8.936 0.000	9.246 0.000	9.560 0.000	9.878 0.000	10.199 0.000	10.522 0.000	10.849 0.000	11.178 0.000	11.509 0.000	11.843 0.000	12.178 0.000	12.516 0.000	12.855 0.000	13.196 0.000	13.538 0.000	13.882 0.000	14.227 0.000	14.574 0.000	14.921 0.000	15.270 0.000	15,620 0,000	15.971 0.000
	12.422 -0.000	12.884 -0.000	13.472 -0.000	14.074 -0.000	14.687 -0.000	15.309 -0.000	15.940 -0.000	16.578 -0.000	17.223 -0.000	17.874 -0.000	18.531 -0.000	19.191 -0.000	19.857 -0.000	20.526 -0.000	21.198 -0.000	21.874 -0.000	22.553 -0.000	23.234 -0.000	23.917 -0.000	24.603 -0.000	25.291 -0.000	25.981 -0.000	26.672 -0.000	27.365 -0.000	28.060 -0.000	28.756 -0.000	29.453 -0.000	30.151 -0.000	30.851 -0.000	31.551 -0.000	32.252 -0.000	32.955 -0.000	33.658 -0.000
	13.683 0.000	13.977 0.000	14.353 0.000	14.742 0.000	15.143 0.000	15.554 0.000	15.974 0.000	16.404 0.000	16.841 0.000	17.286 0.000	17.737 0.000	18.195 0.000	18.659 0.000	19.129 0.000	19.603 0.000	20.083 0.000	20.566 0.000	21.054 0.000	21.546 0.000	22.041 0.000	22.540 0.000	23.041 0.000	23.546 0.000	24.053 0.000	24.563 0.000	25.075 0.000	25.590 0.000	26.107 0.000	26.625 0.000	27.146 0.000	27.668 0.000	28.192 0.000	28.718 0.000
	2877.882	2942.188	3020.601	3099.014	3177.427	3255.840	3334.253	3412.665	3491.078	3569.491	3647.904	3726.317	3804.730	3883.143	3961.556	4039.969	4118.381	4196.794	4275.207	4353.620	4432.033	4510.446	4588.859	4667.272	4745.685	4824.098	4902.510	4980.923	5059.336	5137.749	5216.162	5294,575	5372.988
	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941
	38 360	38.360	38.360	38 360	38.360	38 360	38.360	38.360	38.360	38.360	38 360	38 360	38.360	38.360	38.360	38.360	38.360	38.360	38.360	38.360	38.360	38.360	38.360	38 360	38.360	38 360	38 360	38 360	38 360	38.360	38.360	38.360	38.360
11/2/23, 12:09 PM	3017.991	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	5000.000	5100.000	5200.000	5300.000	5400.000	5500.000	5600.000	5700.000	5800.000	5900.000	000.0009	6100.000	6200.000
	leas	ed to	o In	agi	ng:	2/1/.	2024	4 11	:00:	15 A	1 <i>M</i>																						

	124.223 MWD+IFR1+MS	124.378 MWD+IFR1+MS	124.522 MWD+IFR1+MS	124.655 MWD+IFR1+MS	124.780 MWD+IFR1+MS	124.896 MWD+IFR1+MS	125.005 MWD+IFR1+MS	125.107 MWD+IFR1+MS	125.203 MWD+IFR1+MS	125.294 MWD+IFR1+MS	125.370 MWD+IFR1+MS	125.387 MWD+IFR1+MS	125.457 MWD+IFR1+MS	125.470 MWD+IFR1+MS	125.479 MWD+IFR1+MS	125.485 MWD+IFR1+MS	125.486 MWD+IFR1+MS	125.483 MWD+IFR1+MS	125.477 MWD+IFR1+MS	125.467 MWD+IFR1+MS	125.453 MWD+IFR1+MS	125.434 MWD+IFR1+MS	125.412 MWD+IFR1+MS	125.386 MWD+IFR1+MS	125.355 MWD+IFR1+MS	125.321 MWD+IFR1+MS	125.282 MWD+IFR1+MS	125.239 MWD+IFR1+MS	125.192 MWD+IFR1+MS	125.141 MWD+IFR1+MS	125.170 MWD+IFR1+MS	125.101 MWD+IFR1+MS	125.069 MWD+IFR1+MS
	25.989	26.400	26.813	27.227	27.642	28.059	28.477	28.896	29.316	29.737	30.086	30.158	30.597	31.076	31,556	32.036	32.515	32.990	33.461	33,924	34.380	34.825	35.261	35.684	36.093	36.489	36.869	37.233	37 580	37.910	38.154	38.374	38.597
	34 368	35.072	35.777	36.482	37.188	37.895	38.602	39.310	40.018	40.727	41.314	41,434	42.123	42.787	43.423	44.031	44.610	45.160	45.681	46.173	46.637	47.074	47.483	47 866	48.223	48.556	48.865	49.151	49.416	49.660	49.881	50.098	50.301
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	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
Well Plan Report	16.323 0.000	16.677 0.000	17.031 0.000	17.386 0.000	17.742 0.000	18.099 0.000	18.457 0.000	18.815 0.000	19.175 0.000	19.535 0.000	19.833 0.000	19.895 0.000	20.258 0.000	20.631 0.000	20.978 0.000	21.301 0.000	21.600 0.000	21.876 0.000	22.130 0.000	22.363 0.000	22.577 0.000	22.771 0.000	22.949 0.000	23.111 0.000	23.258 0.000	23.392 0.000	23.515 0.000	23.628 0.000	23.732 0.000	23.830 0.000	23.923 0.000	24.014 0.000	24.108 0.000
	0.000 34.362 -0.000	0.000 35.066 -0.000	0.000 35.772 -0.000	0.000 36.478 -0.000	0.000 37.185 -0.000	0.000 37.892 -0.000	0.000 38.600 -0.000	0.000 39.308 -0.000	0.000 40.017 -0.000	0.000 40.726 -0.000	0.000 41.313 -0.000	0.000 41.433 -0.000	0.000 42.122 -0.000	0.000 42.786 -0.000	0.000 43.422 -0.000	0.000 44.030 -0.000	0.000 44.609 -0.000	0.000 45.159 -0.000	0.000 45.680 -0.000	0.000 46.172 -0.000	0.000 46.637 -0.000	0.000 47.073 -0.000	0.000 47.482 -0.000	0.000 47.865 -0.000	0.000 48.222 -0.000	0.000 48.555 -0.000	0.000 48.864 -0.000	0.000 49.150 -0.000	0.000 49.414 -0.000	0.000 49.658 -0.000	0.000 42.406 0.000	0.000 42.609 0.000	0.000 42.816 0.000
	29.245 0.0	29 774 0.	30.304 0.0	30.835 0.	31.367 0.0	31.901 0.0	32.436 0.0	32.971 0.0	33.508 0.	34.046 0.0	34.491 0.	34.605 0.0	35.268 0.0	35.928 0.0	36.533 0.0	37.080 0.0	37.571 0.	38.003 0.0	38.376 0.0	38.690 0.0	38.944 0.0	39.139 0.	39.273 0.0	39 348 0.	39.363 0.	39.318 0.	39.215 0.	39 053 0.	38 835 0.	38.561 0.0	46.321 0.0	46.549 0.0	46.762 0.0
	5451 401	5529 814	5608.226	5686 639	5765.052	5843,465	5921.878	6000.291	6078.704	6157.117	6222.118	6235.561	6315 402	6397.295	6481.141	6566.838	6654.280	6743.362	6833 975	6926,009	7019.351	7113.888	7209.505	7306 084	7403.510	7501 661	7600 420	7699 666	7799.278	7899 134	8000.000	8099.113	8199.113
	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	125.941	0.000	0.000	0.000
	38.360	38.360	38.360	38 360	38.360	38.360	38.360	38.360	38.360	38.360	38.360	38.018	36.018	34.018	32.018	30.018	28.018	26.018	24.018	22.018	20.018	18.018	16.018	14.018	12.018	10.018	8.018	6.018	4.018	2.018	0.000	0.000	0.000
11/2/23, 12:09 PM	6300.000	6400,000	6500.000	000'0099	6700.000	6800.000	000.0069	7000.000	7100.000	7200.000	7282.896	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	9000.000	9100.000	9200.887	9300,000	9400.000
	leas	ed t	o Im	agi	ng:	2/1/.	2024	4 11	:00:	15 A	1 <i>M</i>																						

	125.038 MWD+IFR1+MS	125.007 MWD+IFR1+MS	124.976 MWD+IFR1+MS	124.945 MWD+IFR1+MS	124.914 MWD+IFR1+MS	124.884 MWD+IFR1+MS	124.853 MWD+IFR1+MS	124.823 MWD+IFR1+MS	124.793 MWD+IFR1+MS	124.764 MWD+IFR1+MS	124.734 MWD+IFR1+MS	124.705 MWD+IFR1+MS	124.683 MWD+IFR1+MS	124.665 MWD+IFR1+MS	123.791 MWD+IFR1+MS	122.089 MWD+IFR1+MS	120.714 MWD+IFR1+MS	119.655 MWD+IFR1+MS	118.879 MWD+IFR1+MS	118.341 MWD+IFR1+MS	117.987 MWD+IFR1+MS	117.758 MWD+IFR1+MS	117.591 MWD+IFR1+MS	117.417 MWD+IFR1+MS	117.189 MWD+IFR1+MS	117.159 MWD+IFR1+MS	116.861 MWD+IFR1+MS	116.588 MWD+IFR1+MS	116.336 MWD+IFR1+MS	116.105 MWD+IFR1+MS	115.895 MWD+IFR1+MS	115.706 MWD+IFR1+MS	115.540 MWD+IFR1+MS
	38.822	39.049	39.277	39.508	39.740	39.975	40.211	40.449	40.689	40.930	41.173	41.418	41.580	41.663	41.991	42.385	42.693	42.926	43.092	43.204	43.275	43.320	43.350	43.380	43.416	43.420	43.474	43.544	43.627	43.724	43.834	43.958	44.097
	50.506	50.713	50.921	51.132	51.343	51.557	51.772	51.989	52.207	52.427	52.648	52.871	53.016	53.092	53.560	54.310	54.986	55.563	56.027	56.371	56.596	56.714	56.743	56.707	56.642	56.635	56.558	56.484	56.414	56.348	56.284	56.224	56.167
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	24.205 0.000	24.306 0.000	24.409 0.000	24.514 0.000	24.623 0.000	24.735 0.000	24.851 0.000	24.969 0.000	25.090 0.000	25.215 0.000	25.343 0.000	25.474 0.000	25.563 0.000	25.609 0.000	25.761 0.000	26.016 0.000	26.435 0.000	27.068 0.000	27.940 0.000	29.051 0.000	30.376 0.000	31.871 0.000	33.480 0.000	35.143 0.000	36.460 0.000	36.505 0.000	36.974 0.000	37.457 0.000	37.950 0.000	38.453 0.000	38.965 0.000	39,486 0.000	40.015 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	0000	0.000
	43.025	43.236	43.449	43.664	43.881	44.099	44.320	44.542	44.766	44.991	45.219	45.448	45.598	45.668	45.875	46.057	46.210	46.332	46.426	46.491	46.531	46.547	46.542	46.519	46.483	46.478	46.439	46.419	46.416	46.430	46.461	46.508	46.572
	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
	46.977	47.194	47.412	47.632	47.853	48.077	48.302	48.528	48.756	48.986	49.217	49.450	49.602	49.224	48.008	46.649	44.777	42.545	40.154	37.853	35.931	34.690	34.379	35.116	36.460	36.505	36.974	37.457	37.950	38.453	38.965	39.486	40.015
	8299.113	8399.113	8499.113	8599 113	8699 113	8799 113	8899.113	8999.113	9099.113	9199.113	9299.113	9399.113	9464 803	9499.100	9598.327	9694.956	9787.104	9872.980	9950.911	10019.380	10077 055	10122.813	10155 764	10175.266	10181 000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000
	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	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
	0.000	000'0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000'0	0.000	2.745	10.745	18.745	26.745	34.745	42.745	50.745	58.745	66.745	74.745	82.745	000.06	000'06	000'06	000'06	000.06	90.00	90.00	000'06	000'06
11/2/23, 12:09 PM	9200.000	000'0096	9700.000	9800'000	000'0066	10000.000	10100.000	10200.000	10300.000	10400.000	10500.000	10600.000	10665.689	10700.000	10800.000	10900.000	11000.000	11100.000	11200.000	11300,000	11400.000	11500.000	11600.000	11700.000	11790.689	11800.000	11900.000	12000.000	12100.000	12200.000	12300.000	12400.000	12500.000
	eleas	ed t	o In	iagi	ng:	2/1/.	2024	4 11	:00:	15 /	1 <i>M</i>																						

	115.397 MWD+IFR1+MS	115.278 MWD+IFR1+MS	115.183 MWD+IFR1+MS	115.113 MWD+IFR1+MS	115.071 MWD+IFR1+MS	115.058 MWD+IFR1+MS	115.076 MWD+IFR1+MS	115.126 MWD+IFR1+MS	115.212 MWD+IFR1+MS	115.338 MWD+IFR1+MS	115.506 MWD+IFR1+MS	115.722 MWD+IFR1+MS	115.991 MWD+IFR1+MS	116.319 MWD+IFR1+MS	116.715 MWD+IFR1+MS	117.188 MWD+IFR1+MS	117.750 MWD+IFR1+MS	118.414 MWD+IFR1+MS	119.198 MWD+IFR1+MS	120.123 MWD+IFR1+MS	121.214 MWD+IFR1+MS	122.500 MWD+IFR1+MS	124.019 MWD+IFR1+MS	125.811 MWD+IFR1+MS	127.923 MWD+IFR1+MS	130.397 MWD+IFR1+MS	133.268 MWD+IFR1+MS	-43.453 MWD+IFR1+MS	-39.800 MWD+IFR1+MS	-35.863 MWD+IFR1+MS	-31.790 MWD+IFR1+MS	-27.759 MWD+IFR1+MS	-23.938 MWD+IFR1+MS
	44.248	44.414	44.593	44.786	44.992	45.211	45.444	45.689	45.947	46.217	46.499	46.793	47.098	47.415	47.741	48.077	48.422	48.776	49.137	49.505	49.877	50.253	50.631	51.007	51.379	51.743	52.094	52.428	52.737	53.018	53.266	53.480	53.661
	56.113	56.062	56.014	55.968	55.926	55.886	55.849	55.815	55.783	55.755	55.730	55.707	55.688	55.672	55.660	55.653	55.649	55.650	55.657	55,670	55.691	55.720	25.760	55.813	55.881	55.968	56.079	56.219	56.392	56.605	26.860	57.158	57.500
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	40.553 0.000	41.099 0.000	41.652 0.000	42.213 0.000	42.781 0.000	43.356 0.000	43.937 0.000	44.524 0.000	45.117 0.000	45.717 0.000	46.321 0.000	46.931 0.000	47.546 0.000	48.167 0.000	48.791 0.000	49.421 0.000	50.054 0.000	50.692 0.000	51.335 0.000	51.981 0.000	52.630 0.000	53.284 0.000	53.941 0.000	54.601 0.000	55.264 0.000	55.931 0.000	56.601 0.000	57.273 0.000	57.949 0.000	58.627 0.000	59.308 0.000	59.991 0.000	000:0 229
	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	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
	46.652	46.749	46.862	46.992	47.137	47.299	47.476	47.669	47.878	48.101	48.340	48.593	48.861	49.144	49.440	49.750	50.074	50.411	50.762	51.125	51.500	51.888	52.288	52.699	53.122	53.556	54.001	54.456	54.922	55.398	55.884	56.379	56.884
	-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
	40.553	41,099	41.652	42.213	42.781	43.356	43.937	44.524	45.117	45.717	46.321	46.931	47.546	48.167	48.791	49.421	50.054	50.692	51.335	51.981	52.630	53.284	53.941	54.601	55.264	55.931	56.601	57.273	57.949	58.627	59.308	59,991	60.677
	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000
	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
	000.06	000'06	90.000	000 06	90.000	90.000	90.000	90.000	90.000	90.000	90.000	000'06	90.000	000'06	90.000	90.000	90.000	90.000	90.000	000'06	90.000	000'06	000 06	000'06	000 06	90.000	90.000	90.000	000 06	90.000	90.000	000'06	90.000
11/2/23, 12:09 PM	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 t	o In	agi	ng:	2/1/.	202	4 11	:00:	15 /	4 <i>M</i>																						

	-20.448 MWD+IFR1+MS	-17.348 MWD+IFR1+MS	-14.647 MWD+IFR1+MS	-12.320 MWD+IFR1+MS	-10.328 MWD+IFR1+MS	-8.623 MWD+IFR1+MS	-7.163 MWD+IFR1+MS	-5.909 MWD+IFR1+MS	-4.827 MWD+IFR1+MS	-3.890 MWD+IFR1+MS	-3.075 MWD+IFR1+MS	-2.362 MWD+IFR1+MS	-1.736 MWD+IFR1+MS	-1.184 MWD+IFR1+MS	-0.696 MWD+IFR1+MS	-0.263 MWD+IFR1+MS	0.123 MWD+IFR1+MS	0.468 MWD+IFR1+MS	0.777 MWD+IFR1+MS	1.055 MWD+IFR1+MS	1.305 MWD+IFR1+MS	1.531 MWD+IFR1+MS	1.735 MWD+IFR1+MS	1.919 MWD+IFR1+MS	2.087 MWD+IFR1+MS	2.239 MWD+IFR1+MS	2.377 MWD+IFR1+MS	2.502 MWD+IFR1+MS	2.617 MWD+IFR1+MS	2.721 MWD+IFR1+MS	2.816 MWD+IFR1+MS	2.903 MWD+IFR1+MS	2.982 MWD+IFR1+MS
	53.812	53,936	54.039	54.124	54.194	54.254	54.305	54.348	54.386	54.420	54.450	54.477	54.502	54.525	54.547	54.568	54.588	54.607	54.626	54.644	54.662	54.680	54.698	54.715	54.733	54.751	54.770	54.788	54.807	54.826	54.845	54.864	54.884
	57.880	58 296	58.742	59.214	59 709	60.223	60.754	61.299	61.857	62.427	63.008	63.598	64 197	64.804	65.419	66.042	66.671	67.307	67.949	68.597	69.250	69.910	70.574	71.243	71.917	72.596	73.279	73.967	74.659	75.354	76.054	76.758	77.465
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	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
Well Plan Report	61.365 0.000	62.056 0.000	62.748 0.000	63,443 0.000	64.140 0.000	64.839 0.000	65.540 0.000	66.242 0.000	66.947 0.000	67.653 0.000	68.361 0.000	69.071 0.000	69.782 0.000	70.495 0.000	71.210 0.000	71.925 0.000	72.643 0.000	73.361 0.000	74.081 0.000	74.803 0.000	75.525 0.000	76.249 0.000	76.974 0.000	77.700 0.000	78.427 0.000	79.156 0.000	79.885 0.000	80.616 0.000	81.347 0.000	82.080 0.000	82.813 0.000	83,547 0,000	84.283 0.000
	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	000.0	0.000	0.000	0.000	0.000	0000	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
	57.398	57.920	58.451	58 991	59.539	60.094	60.658	61.229	61.807	62.392	62.984	63,583	64.188	64.800	65.418	66.041	66.671	67.306	67.947	68,593	69.244	006 69	70.561	71.227	71.898	72.573	73.252	73.936	74.624	75.315	76.011	76.711	77.414
	-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
	61.365	62.056	62.748	63 443	64 140	64 839	65.540	66.242	66.947	67.653	68.361	69.071	69 782	70.495	71.210	71.925	72.643	73.361	74.081	74.803	75.525	76.249	76.974	77 700	78 427	79.156	79.885	80.616	81.347	82 080	82.813	83.547	84.283
	10181.000	10181 000	10181.000	10181 000	10181 000	10181 000	10181.000	10181.000	10181.000	10181.000	10181 000	10181.000	10181 000	10181.000	10181.000	10181.000	10181.000	10181.000	10181.000	10181,000	10181 000	10181.000	10181.000	10181 000	10181 000	10181.000	10181.000	10181.000	10181 000	10181 000	10181.000	10181 000	10181.000
	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033
	90.000	000'06	90.00	90.000	90.000	90.000	90.000	90.000	000'06	90.000	000.06	90.000	90.000	90.000	000'06	000'06	000'06	000'06	90.000	000'06	90.000	000'06	90.000	90.000	90.000	90.000	000'06	90.000	000.06	90.000	90.00	000'06	90.00
11/2/23, 12:09 PM	15900.000	16000,000	16100.000	16200.000	16300.000	16400.000	16500.000	16600.000	16700.000	16800.000	16900.000	17000.000	17100.000	17200.000	17300.000	17400.000	17500.000	17600.000	17700.000	17800,000	17900.000	18000,000	18100.000	18200.000	18300.000	18400.000	18500.000	18600.000	18700.000	18800.000	18900.000	19000,000	19100.000
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Measured Depth

PLU 29-20 102H

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1/2/23, 12:09 PM								Well	Well Plan Report				
19200.000	90.000	0.033	10181.000	85.019	-0.000	78.121	0.000	85.019 0	0.000	0.000	78.176	54.905	3.055 MWD+IFR1+MS
19300.000	900'06	0.033	10181.000	85.756	-0.000	78.831	0000	85.756 0	0.000	0.000	78.890	54.925	3.120 MWD+IFR1+MS
19400.000	90.000	0.033	10181.000	86.494	-0.000	79.545	0.000	86.494 0	0.000	0.000	79.608	54.946	3.181 MWD+IFR1+MS
19500.000	000'06	0.033	10181.000	87.232	-0.000	80.262	0.000	87.232 0	0.000	0.000	80.328	54.968	3.235 MWD+IFR1+MS
19600.000	000'06	0.033	10181.000	87.972	-0.000	80.982	0.000	87.972 0	0.000	0.000	81.053	54.990	3.285 MWD+IFR1+MS
19700.000	000'06	0.033	10181.000	88.712	-0.000	81.706	0.000	88.712 0	0.000	0.000	81.780	55.012	3.331 MWD+IFR1+MS
19800.000	000'06	0.033	10181.000	89.453	-0.000	82.432	0.000	89.453 0	0.000	0.000	82.510	55.035	3.372 MWD+IFR1+MS
19900.000	000'06	0.033	10181.000	90.195	-0.000	83.162	0.000	90.195 0	0.000	0.000	83.243	55.058	3.410 MWD+IFR1+MS
20000.000	90.000	0.033	10181.000	90.937	-0.000	83.894	0.000	90.937	0.000	0.000	83.979	55.081	3.444 MWD+IFR1+MS
20100.000	90.000	0.033	10181.000	91.681	-0.000	84.629	0.000	91.681 0	0.000	0.000	84.717	55.105	3.474 MWD+IFR1+MS
20200.000	90.000	0.033	10181.000	92.424	-0.000	85.367	0.000	92.424 0	0.000	0.000	85.459	55.129	3.502 MWD+IFR1+MS
20300,000	000'06	0.033	10181.000	93.169	-0.000	86.108	0.000	93.169 0	0.000	0.000	86.203	55.154	3.527 MWD+IFR1+MS
20400.000	000'06	0.033	10181.000	93.914	-0.000	86.851	0.000	93.914 0	0.000	0.000	86.949	55.180	3.550 MWD+IFR1+MS
20500,000	000'06	0.033	10181.000	94.660	-0.000	87.597	0.000	94.660 0	0.000	0.000	87.698	55.205	3.570 MWD+IFR1+MS
20600.000	000'06	0.033	10181.000	95.407	-0.000	88.345	0.000	95.407 0	0.000	0.000	88.449	55.232	3.588 MWD+IFR1+MS
20700,000	000'06	0.033	10181.000	96.154	-0.000	89.096	0.000	96.154 0	0.000	0.000	89.203	55.258	3.604 MWD+IFR1+MS
20800.000	90.000	0.033	10181.000	96.901	-0.000	89 849	0.000	96.901 0	0.000	0.000	89.959	55.285	3.618 MWD+IFR1+MS
20900.000	90.000	0.033	10181.000	97.650	-0.000	90 605	0.000	97.650 0	0.000	0.000	90.717	55.313	3.630 MWD+IFR1+MS
21000.000	000'06	0.033	10181.000	98.398	-0.000	91.362	0.000	98.398 0	0.000	0.000	91.477	55.341	3.641 MWD+IFR1+MS
21100,000	900'06	0.033	10181.000	99.148	-0.000	92.122	0000	99.148 0	0.000	0.000	92.240	55,369	3.650 MWD+IFR1+MS
21200.000	90.000	0.033	10181.000	99.898	-0.000	92.884	0.000	99.898 0	0.000	0.000	93.004	55.398	3.657 MWD+IFR1+MS
21300.000	000'06	0.033	10181.000	100.648	-0.000	93.648	0.000	100.648 0	0.000	0.000	93,771	55.428	3.664 MWD+IFR1+MS
21400.000	90.000	0.033	10181.000	101.399	-0.000	94.415	0.000	101.399 0	0.000	0.000	94.539	55.457	3.669 MWD+IFR1+MS
21500.000	000'06	0.033	10181.000	102.151	-0.000	95.183	0.000	102.151 0	0.000	0.000	95.310	55.488	3.673 MWD+IFR1+MS
21600.000	000'06	0.033	10181.000	102.903	-0.000	95.953	0.000	102.903 0	0.000	0.000	96.082	55.519	3.675 MWD+IFR1+MS
21700.000	000'06	0.033	10181.000	103.655	-0.000	96.725	0.000	103.655 0	0.000	0.000	96.856	55.550	3.677 MWD+IFR1+MS
21767.691	000'06	0.033	10181.000	104.164	-0.000	97.247	0.000	104.164 0	0.000	0.000	97.380	55.571	3.678 MWD+IFR1+MS
21800.000	90.000	0.033	10181.000	104.407	-0.000	97.496	0.000	104.407 0	0.000	0.000	97.630	55.581	3.679 MWD+IFR1+MS
21866.445	90.000	0.033	10181.000	104.906	-0.000	98.010	0.000	104.906 0	0.000	0.000	98.145	55.603	3.679 MWD+IFR1+MS

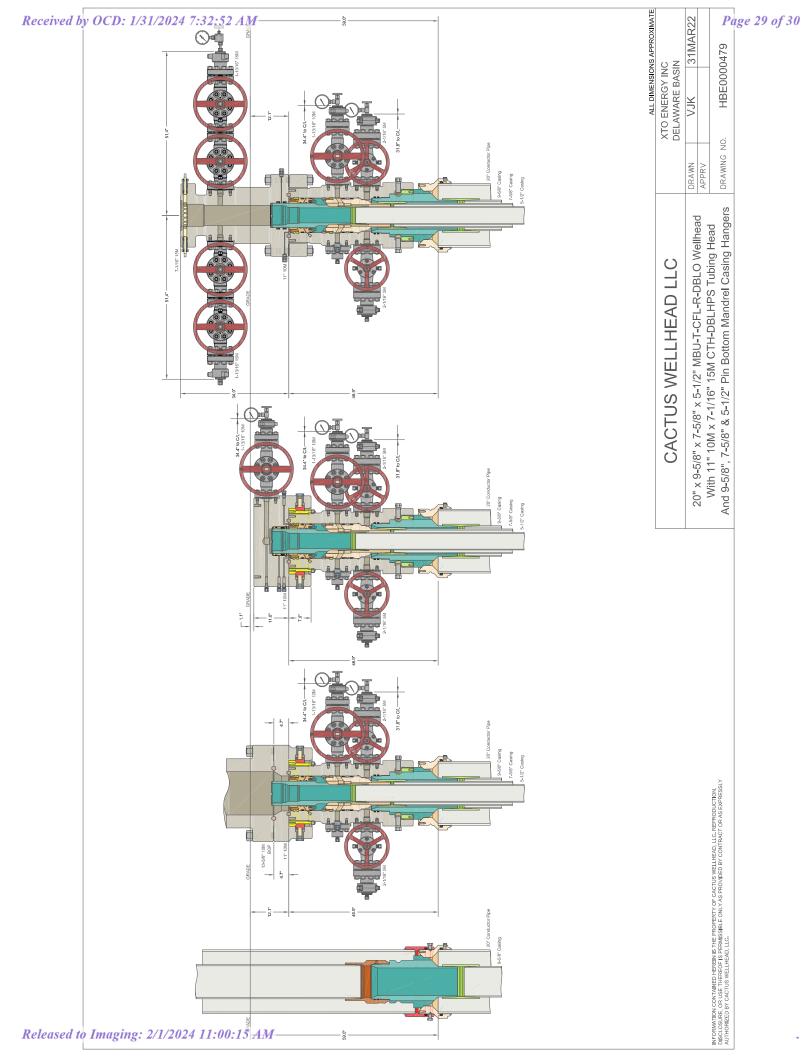
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Target Name

Plan Targets

Released to Imaging: 2/1/2024 11:00:15 AM

Well Plan Report	667270.70 6786.00 RECTANGLE	667276.40 6786.00 RECTANGLE	667275.80 6786.00 RECTANGLE	
Wel	11790.63 401479.10	21767.69 411456.10	21867.15 411555.10	
11/2/23, 12:09 PM	FTP 1	LTP 1	BHL 1	



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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 309721

CONDITIONS

Operator:	OGRID:
XTO PERMIAN OPERATING LLC.	373075
6401 HOLIDAY HILL ROAD	Action Number:
MIDLAND, TX 79707	309721
	Action Type:
	[C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rika	a All original COA's still apply. Additionally, if cement is not circulated to surface on any string, then a CBL is required.	2/1/2024