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

Sundry Print Report

05/09/2024

Well Name: POKER LAKE UNIT 20 DTD

Well Location: T24S / R30E / SEC 20 / NENW / 32.207915 / -103.907635

County or Parish/State: EDDY / NM

Well Number: 124H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM02860

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2776489

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 02/23/2024

Time Sundry Submitted: 09:03

Date proposed operation will begin: 07/09/2024

Procedure Description: XTO Permian Operating LLC Respectfully submits a NOI to Change APD for the above well. We are changing the following for the well: Casing design, cement design, SHL, FTP, LTP, BHL, and proposed total depth. SHL: F/ 899’ FNL & 1410’ FWL Sec 20, T-24S, R-30E TO: 939’ FNL & 1410’ FWL Sec 20, T-24S, R-30E FTP: F/ 100’ FSL & 1650’ FWL TO: 100’ FNL & 1287’ FWL PPP: F/ TO: 0’ FSL & 1263’ FWL LTP: F/ 330’ FNL & 1650’ FWL TO: 2344’ FNL & 1287’ FWL BHL: F/ 200’ FNL & 1650’ FWL Sec 32, T-23S, R-30E TO: 2444’ FNL & 1287’ FWL Sec 5, T-25S, R-30E Proposed TD: F/ 32,094’ MD; 10,886’ TVD (Wolfcamp) TO: 28,901’ MD; 10,916’ TVD (Wolfcamp) Attachments: C-102 Drilling Plan Directional Plan MBS Diagram

NOI Attachments

Procedure Description

Poker_Lake_Unit_20_DTD_124H_Attachments_20240223085851.pdf

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Conditions of Approval

Additional

Sec_20_24S_30E_NMP_Sundry_2776489_Poker_Lake_Unit_20_DTD_124H_COAs_20240404151404.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: SAMANTHA WEIS

Signed on: FEB 23, 2024 09:01 AM

Name: XTO PERMIAN OPERATING LLC

Title: Permitting Advisor

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING **State:** TX

Phone: (832) 625-7361

Email address: SAMANTHA.R.BARTNIK@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: 05/09/2024

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

Drilling Plan

Directional Plan

MBS Diagram

Location of Well

0. SHL: NENW / 899 FNL / 1410 FWL / TWSP: 24S / RANGE: 30E / SECTION: 20 / LAT: 32.207915 / LONG: -103.907635 (TVD: 0 feet, MD: 0 feet)

PPP: SESW / 330 FSL / 1650 FWL / TWSP: 24S / RANGE: 30E / SECTION: 8 / LAT: 32.22537 / LONG: -103.9069 (TVD: 10886 feet, MD: 16600 feet)

PPP: SESW / 100 FSL / 1650 FWL / TWSP: 24S / RANGE: 30E / SECTION: 17 / LAT: 32.210665 / LONG: -103.906876 (TVD: 10886 feet, MD: 11300 feet)

PPP: SESW / 330 FSL / 1650 FWL / TWSP: 24S / RANGE: 30E / SECTION: 5 / LAT: 32.24011 / LONG: -103.9069 (TVD: 10886 feet, MD: 21900 feet)

BHL: NENW / 200 FNL / 1650 FWL / TWSP: 23S / RANGE: 30E / SECTION: 32 / LAT: 32.268025 / LONG: -103.906872 (TVD: 10886 feet, MD: 32094 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 20 124H
LOCATION:	Sec 20-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2776489** on 04/04/2024. Any previous COAs not addressed within the updated COAs still apply.*

COA

H_2S	○ No	○ Yes		
Potash / WIPP	○ None	○ Secretary	○ R-111-P	☐ WIPP
Cave / Karst	○ 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 **13-3/8** inch surface casing shall be set at approximately 700 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. ***Set depth adjusted per BLM geologist.***

    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 **9-5/8** inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above. **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.**

Operator has proposed to pump down 13-3/8" X 9-5/8" annulus after primary cementing stage. Operator must run a CBL from TD of the 9-5/8" casing to surface. Submit results to the BLM.

If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

3. The minimum required fill of cement behind the **6** inch production casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

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 (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.

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
APD ID # 10400089369

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-	98220	Purple Sage; Wolfcamp

[4] Property Code	[5] Property Name	[6] Well Number
	POKER LAKE UNIT 20 DTD	124H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC	3,218'

[10] Surface Location

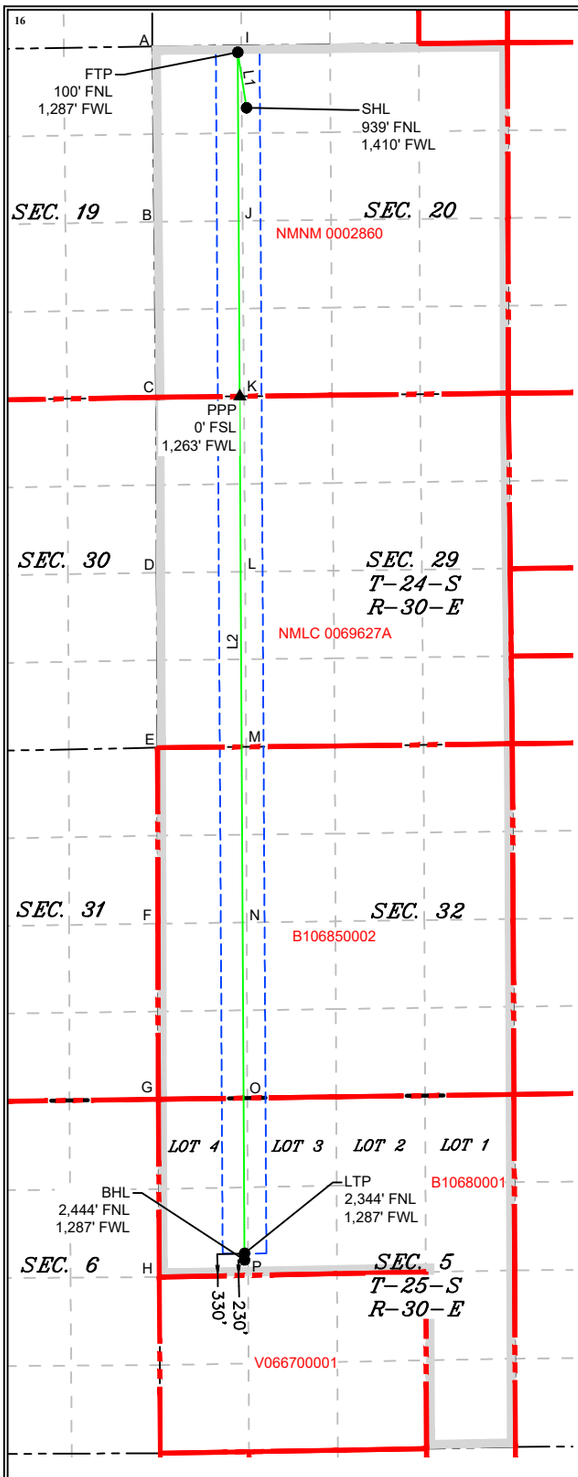
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	24S	30E		939	NORTH	1,410	WEST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	5	25S	30E		2,444	NORTH	1,287	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
2,321.00			

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.



LEGEND

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

LOT ACREAGE TABLE

SECTION 5
T-25-S R-30-E
LOT 1 = 39.84 ACRES
LOT 2 = 40.11 ACRES
LOT 3 = 40.39 ACRES
LOT 4 = 40.66 ACRES

LINE TABLE

LINE	AZIMUTH	LENGTH
L1	351°04'31"	847.74'
L2	179°40'34"	18,214.40'

COORDINATE TABLE

	SHL (NAD 83 NME)	SHL (NAD 27 NME)
Y =	439,594.2 N	439,534.9 N
X =	673,001.2 E	631,817.5 E
LAT. =	32.207805 °N	32.207680 °N
LONG. =	103.907634 °W	103.907147 °W

	FTP (NAD 83 NME)	FTP (NAD 27 NME)
Y =	440,431.7 N	440,372.4 N
X =	672,869.7 E	631,686.0 E
LAT. =	32.210108 °N	32.209984 °N
LONG. =	103.908049 °W	103.907561 °W

	PPP (NAD 83 NME)	PPP (NAD 27 NME)
Y =	435,241.8 N	435,182.6 N
X =	672,899.0 E	631,715.2 E
LAT. =	32.195842 °N	32.195717 °N
LONG. =	103.908020 °W	103.907533 °W

	LTP (NAD 83 NME)	LTP (NAD 27 NME)
Y =	422,317.6 N	422,258.8 N
X =	672,972.1 E	631,787.8 E
LAT. =	32.160314 °N	32.160190 °N
LONG. =	103.907949 °W	103.907464 °W

	BHL (NAD 83 NME)	BHL (NAD 27 NME)
Y =	422,217.6 N	422,158.8 N
X =	672,972.6 E	631,788.4 E
LAT. =	32.160039 °N	32.159915 °N
LONG. =	103.907949 °W	103.907463 °W

CORNER COORDINATES (NAD 83 NME)

A - Y =	440,518.1 N	A - X =	671,581.7 E
B - Y =	437,872.8 N	B - X =	671,608.7 E
C - Y =	435,227.3 N	C - X =	671,636.4 E
D - Y =	432,582.2 N	D - X =	671,647.1 E
E - Y =	429,944.5 N	E - X =	671,658.1 E
F - Y =	427,291.7 N	F - X =	671,665.3 E
G - Y =	424,643.6 N	G - X =	671,672.5 E
H - Y =	421,963.4 N	H - X =	671,687.0 E
I - Y =	440,532.2 N	I - X =	672,921.8 E
J - Y =	437,887.3 N	J - X =	672,943.1 E
K - Y =	435,242.5 N	K - X =	672,964.6 E
L - Y =	432,598.0 N	L - X =	672,980.4 E
M - Y =	429,957.3 N	M - X =	672,996.3 E
N - Y =	427,309.2 N	N - X =	673,004.9 E
O - Y =	424,662.1 N	O - X =	673,013.6 E
P - Y =	421,988.6 N	P - X =	673,026.9 E

CORNER COORDINATES (NAD 27 NME)

A - Y =	440,458.8 N	A - X =	630,398.1 E
B - Y =	437,813.6 N	B - X =	630,425.0 E
C - Y =	435,168.2 N	C - X =	630,452.5 E
D - Y =	432,523.1 N	D - X =	630,463.2 E
E - Y =	429,885.5 N	E - X =	630,474.1 E
F - Y =	427,232.8 N	F - X =	630,481.2 E
G - Y =	424,584.7 N	G - X =	630,488.3 E
H - Y =	421,904.6 N	H - X =	630,502.7 E
I - Y =	440,472.9 N	I - X =	631,738.2 E
J - Y =	437,828.0 N	J - X =	631,759.3 E
K - Y =	435,183.4 N	K - X =	631,780.7 E
L - Y =	432,538.9 N	L - X =	631,796.4 E
M - Y =	429,898.2 N	M - X =	631,812.3 E
N - Y =	427,250.3 N	N - X =	631,820.8 E
O - Y =	424,603.2 N	O - X =	631,829.4 E
P - Y =	421,929.7 N	P - X =	631,842.6 E

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Samantha Weis 2/22/2024
Signature Date

Samantha Weis
Printed Name

samantha.r.bartnik@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

02/09/2024
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number

RP 618.013003.05-38

C:\618.013 XTO Energy - NM\003 Poker Lake Unit\06 - PLU 20 DTD - EDDY\Wells\-38 - 124H\DWG\SOUTH 124H C-102.dwg

Intent ☐ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

XTO Energy Inc.
PLU 20 Dog Town Draw 124H
Projected TD: 28900.97' MD / 10916' TVD
SHL: 939' FNL & 1410' FWL , Section 20, T24S, R30E
BHL: 2444' FNL & 1287' FWL , Section 5, T25S, 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	782'	Water
Top of Salt	1185'	Water
Base of Salt	3378'	Water
Delaware	3572'	Water
Brushy Canyon	6070'	Water/Oil/Gas
Bone Spring	7366'	Water
1st Bone Spring	8352'	Water/Oil/Gas
2nd Bone Spring	9170'	Water/Oil/Gas
3rd Bone Spring	10264'	Water/Oil/Gas
Wolfcamp	10655'	Water/Oil/Gas
Wolfcamp X	10676'	Water/Oil/Gas
Wolfcamp Y	10754'	Water/Oil/Gas
Wolfcamp A	10796'	Water/Oil/Gas
Target/Land Curve	10916'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon
*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13.375 inch casing @ 882' (303' 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 9.625 inch casing at 10078.28' and cemented to surface. A 8.5 inch curve and 8.5 inch lateral hole will be drilled to 28900.97 MD/TD and 6 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9778.28 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 882'	13.375	54.5	J-55	BTC	New	1.14	2.93	18.91
12.25	0' – 4000'	9.625	40	HC P-110	BTC	New	1.92	2.31	3.14
12.25	4000' – 10078.28'	9.625	40	HC L-80	BTC	New	1.39	1.74	3.77
8.5	0' – 9978.28'	6	26	P-110	Semi-Premium	New	1.17	2.27	1.63
8.5	9978.28' - 28900.97'	6	26	P-110	Semi-Premium	New	1.17	2.08	1.84

· 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
· 9.625 Collapse analyzed using 50% evacuation based on regional experience.
· 6 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

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 13-5/8” 10M top flange x 13-3/8” SOW bottom (or equivalent)

B. Tubing Head: 13-5/8” 10M bottom flange x 7-1/16” 15M top flange (or equivalent)

- Wellhead will be installed by manufacturer’s representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 9-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 13.375, 54.5 New BTC, J-55 casing to be set at +/- 882'

Lead: 430 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 300 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: 9.625, 40 New casing to be set at +/- 10078.28'
1st Stage
Optional Lead: 1020 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 1160 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6070
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: 2140 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 9-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6070') 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: 6, 26 New Semi-Premium, P-110 casing to be set at +/- 28900.97'

Lead: 40 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9778.28 feet
Tail: 3170 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10278.28 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 13.375 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 10M Double Ram BOP. MASP should not exceed 4126 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 13.375, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nippling up on the 9.625, 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 week.

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

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

on each of the wells.

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 882'	17.5	FW/Native	8.4-8.9	35-40	NC
882' - 10078.28'	12.25	FW / Cut Brine / Direct Emulsion	8.8-9.3	30-32	NC
10078.28' - 28900.97'	8.5	OBM	11.5-12	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 13.375 casing.

8. Logging, Coring and Testing Program

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 175 to 195 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 6528 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 20 DTD South 124H

Measured Depth:	28900.97 ft
TVD RKB:	10916.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	439534.90 ft
Easting:	631817.50 ft
RKB:	3250.00 ft
Ground Level:	3218.00 ft
North Reference:	Grid
Convergence Angle:	0.23 Deg

Plan Sections Poker Lake Unit 20 DTD South 124H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
1651.84	11.04	351.08	1648.43	52.34	-8.22	2.00	0.00	2.00	
5526.64	11.04	351.08	5451.57	785.16	-123.28	0.00	0.00	0.00	
6078.48	0.00	0.00	6000.00	837.50	-131.50	-2.00	0.00	2.00	
10278.28	0.00	0.00	10199.80	837.50	-131.50	0.00	0.00	0.00	
11403.28	90.00	179.68	10916.00	121.31	-127.48	8.00	0.00	8.00	
28800.97	90.00	179.68	10916.00	-17276.10	-29.70	0.00	0.00	0.00	LTP 7
28900.97	90.00	179.68	10916.00	-17376.10	-29.14	0.00	0.00	0.00	BHL 7

Position Uncertainty Poker Lake Unit 20 DTD South 124H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.309	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.325	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.346	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.373	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.405	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.442	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.483	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.529	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.578	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.631	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	351.077	1199.980	4.823	0.000	4.724	0.000	2.687	0.000	0.000	5.255	4.240	123.208	MWD+IFR1+MS
1300.000	4.000	351.077	1299.838	5.641	0.000	5.074	0.000	2.747	0.000	0.000	5.981	4.678	112.880	MWD+IFR1+MS
1400.000	6.000	351.077	1399.452	6.369	0.000	5.424	0.000	2.812	0.000	0.000	6.681	5.058	107.750	MWD+IFR1+MS
1500.000	8.000	351.077	1498.702	7.032	0.000	5.775	0.000	2.885	0.000	0.000	7.340	5.418	104.880	MWD+IFR1+MS
1600.000	10.000	351.077	1597.465	7.646	0.000	6.126	0.000	2.967	0.000	0.000	7.964	5.770	103.094	MWD+IFR1+MS
1651.840	11.037	351.077	1648.433	7.823	0.000	6.297	0.000	3.001	0.000	0.000	8.153	5.948	102.840	MWD+IFR1+MS
1700.000	11.037	351.077	1695.703	7.962	0.000	6.455	0.000	3.034	0.000	0.000	8.288	6.114	102.816	MWD+IFR1+MS
1800.000	11.037	351.077	1793.853	8.252	0.000	6.799	0.000	3.111	0.000	0.000	8.573	6.465	103.047	MWD+IFR1+MS
1900.000	11.037	351.077	1892.004	8.560	0.000	7.157	0.000	3.193	0.000	0.000	8.880	6.821	103.478	MWD+IFR1+MS
2000.000	11.037	351.077	1990.154	8.873	0.000	7.517	0.000	3.277	0.000	0.000	9.193	7.180	103.891	MWD+IFR1+MS
2100.000	11.037	351.077	2088.305	9.191	0.000	7.878	0.000	3.364	0.000	0.000	9.510	7.539	104.288	MWD+IFR1+MS
2200.000	11.037	351.077	2186.455	9.515	0.000	8.240	0.000	3.453	0.000	0.000	9.832	7.900	104.669	MWD+IFR1+MS
2300.000	11.037	351.077	2284.606	9.842	0.000	8.603	0.000	3.545	0.000	0.000	10.158	8.262	105.034	MWD+IFR1+MS
2400.000	11.037	351.077	2382.756	10.174	0.000	8.968	0.000	3.640	0.000	0.000	10.488	8.625	105.385	MWD+IFR1+MS
2500.000	11.037	351.077	2480.906	10.509	0.000	9.332	0.000	3.736	0.000	0.000	10.820	8.988	105.721	MWD+IFR1+MS
2600.000	11.037	351.077	2579.057	10.847	0.000	9.698	0.000	3.835	0.000	0.000	11.156	9.352	106.043	MWD+IFR1+MS
2700.000	11.037	351.077	2677.207	11.188	0.000	10.064	0.000	3.935	0.000	0.000	11.494	9.717	106.352	MWD+IFR1+MS
2800.000	11.037	351.077	2775.358	11.532	0.000	10.431	0.000	4.038	0.000	0.000	11.835	10.082	106.649	MWD+IFR1+MS
2900.000	11.037	351.077	2873.508	11.878	0.000	10.799	0.000	4.142	0.000	0.000	12.178	10.448	106.933	MWD+IFR1+MS

3000.000	11.037	351.077	2971.659	12.227	0.000	11.166	0.000	4.248	0.000	0.000	12.523	10.815	107.206	MWD+IFR1+MS
3100.000	11.037	351.077	3069.809	12.577	0.000	11.535	0.000	4.356	0.000	0.000	12.870	11.181	107.468	MWD+IFR1+MS
3200.000	11.037	351.077	3167.960	12.929	0.000	11.903	0.000	4.465	0.000	0.000	13.218	11.549	107.719	MWD+IFR1+MS
3300.000	11.037	351.077	3266.110	13.283	0.000	12.272	0.000	4.576	0.000	0.000	13.568	11.916	107.960	MWD+IFR1+MS
3400.000	11.037	351.077	3364.260	13.639	0.000	12.641	0.000	4.689	0.000	0.000	13.920	12.284	108.190	MWD+IFR1+MS
3500.000	11.037	351.077	3462.411	13.996	0.000	13.011	0.000	4.803	0.000	0.000	14.273	12.652	108.412	MWD+IFR1+MS
3600.000	11.037	351.077	3560.561	14.355	0.000	13.381	0.000	4.919	0.000	0.000	14.627	13.021	108.624	MWD+IFR1+MS
3700.000	11.037	351.077	3658.712	14.714	0.000	13.751	0.000	5.036	0.000	0.000	14.983	13.390	108.828	MWD+IFR1+MS
3800.000	11.037	351.077	3756.862	15.075	0.000	14.121	0.000	5.155	0.000	0.000	15.339	13.759	109.023	MWD+IFR1+MS
3900.000	11.037	351.077	3855.013	15.437	0.000	14.492	0.000	5.276	0.000	0.000	15.696	14.128	109.211	MWD+IFR1+MS
4000.000	11.037	351.077	3953.163	15.800	0.000	14.862	0.000	5.398	0.000	0.000	16.055	14.498	109.390	MWD+IFR1+MS
4100.000	11.037	351.077	4051.314	16.164	0.000	15.233	0.000	5.521	0.000	0.000	16.414	14.867	109.562	MWD+IFR1+MS
4200.000	11.037	351.077	4149.464	16.529	0.000	15.604	0.000	5.646	0.000	0.000	16.774	15.237	109.727	MWD+IFR1+MS
4300.000	11.037	351.077	4247.614	16.895	0.000	15.975	0.000	5.773	0.000	0.000	17.135	15.607	109.885	MWD+IFR1+MS
4400.000	11.037	351.077	4345.765	17.261	0.000	16.346	0.000	5.901	0.000	0.000	17.497	15.978	110.037	MWD+IFR1+MS
4500.000	11.037	351.077	4443.915	17.628	0.000	16.718	0.000	6.031	0.000	0.000	17.859	16.348	110.182	MWD+IFR1+MS
4600.000	11.037	351.077	4542.066	17.996	0.000	17.089	0.000	6.163	0.000	0.000	18.222	16.719	110.321	MWD+IFR1+MS
4700.000	11.037	351.077	4640.216	18.364	0.000	17.461	0.000	6.296	0.000	0.000	18.585	17.089	110.454	MWD+IFR1+MS
4800.000	11.037	351.077	4738.367	18.733	0.000	17.833	0.000	6.431	0.000	0.000	18.949	17.460	110.582	MWD+IFR1+MS
4900.000	11.037	351.077	4836.517	19.103	0.000	18.205	0.000	6.567	0.000	0.000	19.314	17.831	110.704	MWD+IFR1+MS
5000.000	11.037	351.077	4934.668	19.473	0.000	18.577	0.000	6.705	0.000	0.000	19.679	18.202	110.820	MWD+IFR1+MS
5100.000	11.037	351.077	5032.818	19.844	0.000	18.949	0.000	6.845	0.000	0.000	20.044	18.574	110.931	MWD+IFR1+MS
5200.000	11.037	351.077	5130.968	20.215	0.000	19.321	0.000	6.987	0.000	0.000	20.410	18.945	111.038	MWD+IFR1+MS
5300.000	11.037	351.077	5229.119	20.586	0.000	19.693	0.000	7.130	0.000	0.000	20.777	19.317	111.140	MWD+IFR1+MS
5400.000	11.037	351.077	5327.269	20.958	0.000	20.065	0.000	7.276	0.000	0.000	21.143	19.688	111.237	MWD+IFR1+MS
5500.000	11.037	351.077	5425.420	21.331	0.000	20.438	0.000	7.423	0.000	0.000	21.511	20.060	111.329	MWD+IFR1+MS
5526.640	11.037	351.077	5451.567	21.428	0.000	20.535	0.000	7.462	0.000	0.000	21.605	20.158	111.311	MWD+IFR1+MS
5600.000	9.570	351.077	5523.742	21.722	0.000	20.802	0.000	7.572	0.000	0.000	21.873	20.430	111.160	MWD+IFR1+MS
5700.000	7.570	351.077	5622.621	22.173	0.000	21.166	0.000	7.724	0.000	0.000	22.309	20.801	110.125	MWD+IFR1+MS
5800.000	5.570	351.077	5721.959	22.621	0.000	21.528	0.000	7.872	0.000	0.000	22.770	21.169	108.934	MWD+IFR1+MS
5900.000	3.570	351.077	5821.636	23.034	0.000	21.885	0.000	8.014	0.000	0.000	23.223	21.529	107.905	MWD+IFR1+MS
6000.000	1.570	351.077	5921.530	23.411	0.000	22.236	0.000	8.151	0.000	0.000	23.668	21.883	107.019	MWD+IFR1+MS
6078.479	0.000	0.000	6000.000	23.831	0.000	22.311	0.000	8.256	0.000	0.000	23.977	22.154	106.757	MWD+IFR1+MS

6100.000	0.000	0.000	6021.521	23.901	0.000	22.384	0.000	8.284	0.000	0.000	24.047	22.227	106.757	MWD+IFR1+MS
6200.000	0.000	0.000	6121.521	24.224	0.000	22.725	0.000	8.418	0.000	0.000	24.370	22.569	106.830	MWD+IFR1+MS
6300.000	0.000	0.000	6221.521	24.552	0.000	23.073	0.000	8.555	0.000	0.000	24.701	22.914	107.030	MWD+IFR1+MS
6400.000	0.000	0.000	6321.521	24.882	0.000	23.420	0.000	8.693	0.000	0.000	25.032	23.259	107.228	MWD+IFR1+MS
6500.000	0.000	0.000	6421.521	25.212	0.000	23.768	0.000	8.835	0.000	0.000	25.365	23.605	107.423	MWD+IFR1+MS
6600.000	0.000	0.000	6521.521	25.543	0.000	24.116	0.000	8.979	0.000	0.000	25.698	23.951	107.616	MWD+IFR1+MS
6700.000	0.000	0.000	6621.521	25.875	0.000	24.464	0.000	9.126	0.000	0.000	26.032	24.297	107.806	MWD+IFR1+MS
6800.000	0.000	0.000	6721.521	26.207	0.000	24.813	0.000	9.275	0.000	0.000	26.367	24.643	107.993	MWD+IFR1+MS
6900.000	0.000	0.000	6821.521	26.540	0.000	25.162	0.000	9.428	0.000	0.000	26.702	24.990	108.178	MWD+IFR1+MS
7000.000	0.000	0.000	6921.521	26.874	0.000	25.511	0.000	9.583	0.000	0.000	27.038	25.337	108.361	MWD+IFR1+MS
7100.000	0.000	0.000	7021.521	27.208	0.000	25.861	0.000	9.740	0.000	0.000	27.375	25.685	108.541	MWD+IFR1+MS
7200.000	0.000	0.000	7121.521	27.543	0.000	26.210	0.000	9.901	0.000	0.000	27.712	26.032	108.719	MWD+IFR1+MS
7300.000	0.000	0.000	7221.521	27.879	0.000	26.560	0.000	10.064	0.000	0.000	28.049	26.380	108.895	MWD+IFR1+MS
7400.000	0.000	0.000	7321.521	28.215	0.000	26.910	0.000	10.230	0.000	0.000	28.388	26.728	109.068	MWD+IFR1+MS
7500.000	0.000	0.000	7421.521	28.552	0.000	27.261	0.000	10.399	0.000	0.000	28.726	27.077	109.239	MWD+IFR1+MS
7600.000	0.000	0.000	7521.521	28.889	0.000	27.611	0.000	10.571	0.000	0.000	29.066	27.426	109.408	MWD+IFR1+MS
7700.000	0.000	0.000	7621.521	29.227	0.000	27.962	0.000	10.745	0.000	0.000	29.405	27.774	109.574	MWD+IFR1+MS
7800.000	0.000	0.000	7721.521	29.565	0.000	28.313	0.000	10.923	0.000	0.000	29.745	28.123	109.739	MWD+IFR1+MS
7900.000	0.000	0.000	7821.521	29.904	0.000	28.664	0.000	11.103	0.000	0.000	30.086	28.473	109.901	MWD+IFR1+MS
8000.000	0.000	0.000	7921.521	30.243	0.000	29.016	0.000	11.286	0.000	0.000	30.427	28.822	110.062	MWD+IFR1+MS
8100.000	0.000	0.000	8021.521	30.582	0.000	29.367	0.000	11.472	0.000	0.000	30.769	29.172	110.220	MWD+IFR1+MS
8200.000	0.000	0.000	8121.521	30.922	0.000	29.719	0.000	11.661	0.000	0.000	31.111	29.522	110.376	MWD+IFR1+MS
8300.000	0.000	0.000	8221.521	31.263	0.000	30.071	0.000	11.854	0.000	0.000	31.453	29.872	110.530	MWD+IFR1+MS
8400.000	0.000	0.000	8321.521	31.604	0.000	30.423	0.000	12.049	0.000	0.000	31.796	30.222	110.682	MWD+IFR1+MS
8500.000	0.000	0.000	8421.521	31.945	0.000	30.775	0.000	12.246	0.000	0.000	32.139	30.572	110.832	MWD+IFR1+MS
8600.000	0.000	0.000	8521.521	32.286	0.000	31.127	0.000	12.447	0.000	0.000	32.482	30.923	110.981	MWD+IFR1+MS
8700.000	0.000	0.000	8621.521	32.628	0.000	31.480	0.000	12.651	0.000	0.000	32.826	31.274	111.127	MWD+IFR1+MS
8800.000	0.000	0.000	8721.521	32.971	0.000	31.832	0.000	12.858	0.000	0.000	33.170	31.625	111.272	MWD+IFR1+MS
8900.000	0.000	0.000	8821.521	33.313	0.000	32.185	0.000	13.068	0.000	0.000	33.514	31.976	111.414	MWD+IFR1+MS
9000.000	0.000	0.000	8921.521	33.656	0.000	32.538	0.000	13.281	0.000	0.000	33.859	32.327	111.555	MWD+IFR1+MS
9100.000	0.000	0.000	9021.521	33.999	0.000	32.891	0.000	13.497	0.000	0.000	34.204	32.678	111.694	MWD+IFR1+MS
9200.000	0.000	0.000	9121.521	34.343	0.000	33.244	0.000	13.716	0.000	0.000	34.549	33.029	111.832	MWD+IFR1+MS
9300.000	0.000	0.000	9221.521	34.687	0.000	33.597	0.000	13.938	0.000	0.000	34.895	33.381	111.967	MWD+IFR1+MS

9400.000	0.000	0.000	9321.521	35.031	0.000	33.950	0.000	14.163	0.000	0.000	35.241	33.733	112.101	MWD+IFR1+MS
9500.000	0.000	0.000	9421.521	35.376	0.000	34.304	0.000	14.391	0.000	0.000	35.587	34.085	112.234	MWD+IFR1+MS
9600.000	0.000	0.000	9521.521	35.720	0.000	34.657	0.000	14.623	0.000	0.000	35.933	34.436	112.364	MWD+IFR1+MS
9700.000	0.000	0.000	9621.521	36.065	0.000	35.011	0.000	14.857	0.000	0.000	36.280	34.789	112.493	MWD+IFR1+MS
9800.000	0.000	0.000	9721.521	36.411	0.000	35.364	0.000	15.094	0.000	0.000	36.627	35.141	112.621	MWD+IFR1+MS
9900.000	0.000	0.000	9821.521	36.756	0.000	35.718	0.000	15.334	0.000	0.000	36.974	35.493	112.747	MWD+IFR1+MS
10000.000	0.000	0.000	9921.521	37.102	0.000	36.072	0.000	15.578	0.000	0.000	37.321	35.845	112.871	MWD+IFR1+MS
10100.000	0.000	0.000	10021.521	37.448	0.000	36.426	0.000	15.824	0.000	0.000	37.668	36.198	112.994	MWD+IFR1+MS
10200.000	0.000	0.000	10121.521	37.794	0.000	36.780	0.000	16.074	0.000	0.000	38.016	36.551	113.115	MWD+IFR1+MS
10278.279	0.000	0.000	10199.800	38.064	0.000	37.056	0.000	16.271	0.000	0.000	38.286	36.826	113.170	MWD+IFR1+MS
10300.000	1.738	179.678	10221.517	38.029	0.000	37.134	-0.000	16.326	0.000	0.000	38.356	36.899	113.169	MWD+IFR1+MS
10400.000	9.738	179.678	10320.935	37.919	0.000	37.441	-0.000	16.593	0.000	0.000	39.015	37.243	109.003	MWD+IFR1+MS
10500.000	17.738	179.678	10417.996	37.931	0.000	37.731	-0.000	16.969	0.000	0.000	40.260	37.578	103.287	MWD+IFR1+MS
10600.000	25.738	179.678	10510.809	37.392	0.000	37.997	-0.000	17.524	0.000	0.000	41.378	37.859	100.867	MWD+IFR1+MS
10700.000	33.738	179.678	10597.569	36.380	0.000	38.236	-0.000	18.307	0.000	0.000	42.331	38.102	99.667	MWD+IFR1+MS
10800.000	41.738	179.678	10676.587	34.997	0.000	38.447	-0.000	19.336	0.000	0.000	43.102	38.312	99.053	MWD+IFR1+MS
10900.000	49.738	179.678	10746.325	33.382	0.000	38.628	-0.000	20.600	0.000	0.000	43.691	38.489	98.768	MWD+IFR1+MS
11000.000	57.738	179.678	10805.426	31.710	0.000	38.779	-0.000	22.061	0.000	0.000	44.108	38.635	98.688	MWD+IFR1+MS
11100.000	65.738	179.678	10852.738	30.193	0.000	38.900	-0.000	23.667	0.000	0.000	44.372	38.751	98.735	MWD+IFR1+MS
11200.000	73.738	179.678	10887.342	29.065	0.000	38.990	-0.000	25.360	0.000	0.000	44.513	38.836	98.845	MWD+IFR1+MS
11300.000	81.738	179.678	10908.563	28.550	0.000	39.051	-0.000	27.081	0.000	0.000	44.566	38.893	98.954	MWD+IFR1+MS
11403.279	90.000	179.678	10915.997	28.929	0.000	39.082	-0.000	28.929	0.000	0.000	44.574	38.923	98.987	MWD+IFR1+MS
11500.000	90.000	179.678	10915.997	29.503	0.000	39.102	-0.000	29.503	0.000	0.000	44.576	38.945	98.957	MWD+IFR1+MS
11600.000	90.000	179.678	10915.997	29.689	0.000	39.137	-0.000	29.689	0.000	0.000	44.578	38.982	98.949	MWD+IFR1+MS
11700.000	90.000	179.678	10915.997	29.895	0.000	39.187	-0.000	29.895	0.000	0.000	44.580	39.033	98.964	MWD+IFR1+MS
11800.000	90.000	179.678	10915.997	30.119	0.000	39.253	-0.000	30.119	0.000	0.000	44.584	39.099	99.001	MWD+IFR1+MS
11900.000	90.000	179.678	10915.997	30.363	0.000	39.333	-0.000	30.363	0.000	0.000	44.589	39.180	99.061	MWD+IFR1+MS
12000.000	90.000	179.678	10915.997	30.624	0.000	39.428	-0.000	30.624	0.000	0.000	44.594	39.274	99.146	MWD+IFR1+MS
12100.000	90.000	179.678	10915.997	30.903	0.000	39.537	-0.000	30.903	0.000	0.000	44.601	39.383	99.258	MWD+IFR1+MS
12200.000	90.000	179.678	10915.997	31.199	0.000	39.661	-0.000	31.199	0.000	0.000	44.609	39.507	99.399	MWD+IFR1+MS
12300.000	90.000	179.678	10915.997	31.513	0.000	39.800	-0.000	31.513	0.000	0.000	44.617	39.644	99.572	MWD+IFR1+MS
12400.000	90.000	179.678	10915.997	31.842	0.000	39.952	-0.000	31.842	0.000	0.000	44.627	39.795	99.780	MWD+IFR1+MS
12500.000	90.000	179.678	10915.997	32.187	0.000	40.119	-0.000	32.187	0.000	0.000	44.638	39.959	100.029	MWD+IFR1+MS

12600.000	90.000	179.678	10915.997	32.548	0.000	40.299	-0.000	32.548	0.000	0.000	44.649	40.137	100.324	MWD+IFR1+MS
12700.000	90.000	179.678	10915.997	32.923	0.000	40.493	-0.000	32.923	0.000	0.000	44.663	40.327	100.672	MWD+IFR1+MS
12800.000	90.000	179.678	10915.997	33.312	0.000	40.700	-0.000	33.312	0.000	0.000	44.677	40.530	101.083	MWD+IFR1+MS
12900.000	90.000	179.678	10915.997	33.716	0.000	40.921	-0.000	33.716	0.000	0.000	44.693	40.746	101.569	MWD+IFR1+MS
13000.000	90.000	179.678	10915.997	34.132	0.000	41.155	-0.000	34.132	0.000	0.000	44.711	40.973	102.146	MWD+IFR1+MS
13100.000	90.000	179.678	10915.997	34.561	0.000	41.402	-0.000	34.561	0.000	0.000	44.731	41.212	102.833	MWD+IFR1+MS
13200.000	90.000	179.678	10915.997	35.003	0.000	41.661	-0.000	35.003	0.000	0.000	44.754	41.462	103.659	MWD+IFR1+MS
13300.000	90.000	179.678	10915.997	35.457	0.000	41.933	-0.000	35.457	0.000	0.000	44.779	41.721	104.661	MWD+IFR1+MS
13400.000	90.000	179.678	10915.997	35.921	0.000	42.217	-0.000	35.921	0.000	0.000	44.808	41.990	105.889	MWD+IFR1+MS
13500.000	90.000	179.678	10915.997	36.397	0.000	42.512	-0.000	36.397	0.000	0.000	44.841	42.267	107.415	MWD+IFR1+MS
13600.000	90.000	179.678	10915.997	36.884	0.000	42.820	-0.000	36.884	0.000	0.000	44.881	42.549	109.337	MWD+IFR1+MS
13700.000	90.000	179.678	10915.997	37.381	0.000	43.138	-0.000	37.381	0.000	0.000	44.929	42.835	111.794	MWD+IFR1+MS
13800.000	90.000	179.678	10915.997	37.887	0.000	43.468	-0.000	37.887	0.000	0.000	44.990	43.121	114.975	MWD+IFR1+MS
13900.000	90.000	179.678	10915.997	38.403	0.000	43.809	-0.000	38.403	0.000	0.000	45.068	43.401	119.113	MWD+IFR1+MS
14000.000	90.000	179.678	10915.997	38.927	0.000	44.161	-0.000	38.927	0.000	0.000	45.171	43.666	124.425	MWD+IFR1+MS
14100.000	90.000	179.678	10915.997	39.461	0.000	44.522	-0.000	39.461	0.000	0.000	45.311	43.906	130.935	MWD+IFR1+MS
14200.000	90.000	179.678	10915.997	40.002	0.000	44.894	-0.000	40.002	0.000	0.000	45.497	44.110	-41.784	MWD+IFR1+MS
14300.000	90.000	179.678	10915.997	40.552	0.000	45.276	-0.000	40.552	0.000	0.000	45.734	44.274	-34.598	MWD+IFR1+MS
14400.000	90.000	179.678	10915.997	41.109	0.000	45.668	-0.000	41.109	0.000	0.000	46.019	44.400	-28.309	MWD+IFR1+MS
14500.000	90.000	179.678	10915.997	41.674	0.000	46.069	-0.000	41.674	0.000	0.000	46.344	44.497	-23.238	MWD+IFR1+MS
14600.000	90.000	179.678	10915.997	42.245	0.000	46.479	-0.000	42.245	0.000	0.000	46.699	44.572	-19.302	MWD+IFR1+MS
14700.000	90.000	179.678	10915.997	42.824	0.000	46.898	-0.000	42.824	0.000	0.000	47.078	44.634	-16.270	MWD+IFR1+MS
14800.000	90.000	179.678	10915.997	43.409	0.000	47.325	-0.000	43.409	0.000	0.000	47.475	44.686	-13.917	MWD+IFR1+MS
14900.000	90.000	179.678	10915.997	44.000	0.000	47.761	-0.000	44.000	0.000	0.000	47.888	44.732	-12.062	MWD+IFR1+MS
15000.000	90.000	179.678	10915.997	44.597	0.000	48.206	-0.000	44.597	0.000	0.000	48.314	44.773	-10.578	MWD+IFR1+MS
15100.000	90.000	179.678	10915.997	45.199	0.000	48.658	-0.000	45.199	0.000	0.000	48.752	44.811	-9.371	MWD+IFR1+MS
15200.000	90.000	179.678	10915.997	45.808	0.000	49.118	-0.000	45.808	0.000	0.000	49.200	44.847	-8.374	MWD+IFR1+MS
15300.000	90.000	179.678	10915.997	46.421	0.000	49.586	-0.000	46.421	0.000	0.000	49.658	44.882	-7.541	MWD+IFR1+MS
15400.000	90.000	179.678	10915.997	47.040	0.000	50.061	-0.000	47.040	0.000	0.000	50.124	44.915	-6.836	MWD+IFR1+MS
15500.000	90.000	179.678	10915.997	47.664	0.000	50.543	-0.000	47.664	0.000	0.000	50.599	44.948	-6.233	MWD+IFR1+MS
15600.000	90.000	179.678	10915.997	48.292	0.000	51.032	-0.000	48.292	0.000	0.000	51.083	44.981	-5.712	MWD+IFR1+MS
15700.000	90.000	179.678	10915.997	48.925	0.000	51.528	-0.000	48.925	0.000	0.000	51.573	45.013	-5.259	MWD+IFR1+MS
15800.000	90.000	179.678	10915.997	49.562	0.000	52.030	-0.000	49.562	0.000	0.000	52.071	45.045	-4.862	MWD+IFR1+MS

15900.000	90.000	179.678	10915.997	50.203	0.000	52.539	-0.000	50.203	0.000	0.000	52.576	45.077	-4.512	MWD+IFR1+MS
16000.000	90.000	179.678	10915.997	50.848	0.000	53.053	-0.000	50.848	0.000	0.000	53.087	45.109	-4.200	MWD+IFR1+MS
16100.000	90.000	179.678	10915.997	51.498	0.000	53.574	-0.000	51.498	0.000	0.000	53.605	45.141	-3.922	MWD+IFR1+MS
16200.000	90.000	179.678	10915.997	52.151	0.000	54.101	-0.000	52.151	0.000	0.000	54.129	45.173	-3.673	MWD+IFR1+MS
16300.000	90.000	179.678	10915.997	52.807	0.000	54.633	-0.000	52.807	0.000	0.000	54.659	45.206	-3.448	MWD+IFR1+MS
16400.000	90.000	179.678	10915.997	53.467	0.000	55.171	-0.000	53.467	0.000	0.000	55.194	45.239	-3.245	MWD+IFR1+MS
16500.000	90.000	179.678	10915.997	54.131	0.000	55.714	-0.000	54.131	0.000	0.000	55.736	45.272	-3.060	MWD+IFR1+MS
16600.000	90.000	179.678	10915.997	54.797	0.000	56.262	-0.000	54.797	0.000	0.000	56.282	45.306	-2.892	MWD+IFR1+MS
16700.000	90.000	179.678	10915.997	55.467	0.000	56.816	-0.000	55.467	0.000	0.000	56.834	45.340	-2.737	MWD+IFR1+MS
16800.000	90.000	179.678	10915.997	56.139	0.000	57.374	-0.000	56.139	0.000	0.000	57.391	45.375	-2.596	MWD+IFR1+MS
16900.000	90.000	179.678	10915.997	56.815	0.000	57.937	-0.000	56.815	0.000	0.000	57.952	45.409	-2.466	MWD+IFR1+MS
17000.000	90.000	179.678	10915.997	57.493	0.000	58.504	-0.000	57.493	0.000	0.000	58.519	45.445	-2.346	MWD+IFR1+MS
17100.000	90.000	179.678	10915.997	58.174	0.000	59.076	-0.000	58.174	0.000	0.000	59.090	45.481	-2.236	MWD+IFR1+MS
17200.000	90.000	179.678	10915.997	58.858	0.000	59.653	-0.000	58.858	0.000	0.000	59.665	45.517	-2.133	MWD+IFR1+MS
17300.000	90.000	179.678	10915.997	59.544	0.000	60.233	-0.000	59.544	0.000	0.000	60.245	45.553	-2.038	MWD+IFR1+MS
17400.000	90.000	179.678	10915.997	60.232	0.000	60.818	-0.000	60.232	0.000	0.000	60.829	45.591	-1.949	MWD+IFR1+MS
17500.000	90.000	179.678	10915.997	60.923	0.000	61.406	-0.000	60.923	0.000	0.000	61.416	45.628	-1.867	MWD+IFR1+MS
17600.000	90.000	179.678	10915.997	61.616	0.000	61.999	-0.000	61.616	0.000	0.000	62.008	45.666	-1.790	MWD+IFR1+MS
17700.000	90.000	179.678	10915.997	62.311	0.000	62.595	-0.000	62.311	0.000	0.000	62.604	45.705	-1.718	MWD+IFR1+MS
17800.000	90.000	179.678	10915.997	63.008	0.000	63.195	-0.000	63.008	0.000	0.000	63.203	45.744	-1.650	MWD+IFR1+MS
17900.000	90.000	179.678	10915.997	63.708	0.000	63.799	-0.000	63.708	0.000	0.000	63.806	45.783	-1.587	MWD+IFR1+MS
18000.000	90.000	179.678	10915.997	64.409	0.000	64.406	-0.000	64.409	0.000	0.000	64.413	45.824	-1.528	MWD+IFR1+MS
18100.000	90.000	179.678	10915.997	65.112	0.000	65.016	-0.000	65.112	0.000	0.000	65.022	45.864	-1.472	MWD+IFR1+MS
18200.000	90.000	179.678	10915.997	65.817	0.000	65.629	-0.000	65.817	0.000	0.000	65.635	45.905	-1.419	MWD+IFR1+MS
18300.000	90.000	179.678	10915.997	66.524	0.000	66.246	-0.000	66.524	0.000	0.000	66.252	45.947	-1.369	MWD+IFR1+MS
18400.000	90.000	179.678	10915.997	67.233	0.000	66.866	-0.000	67.233	0.000	0.000	66.871	45.989	-1.323	MWD+IFR1+MS
18500.000	90.000	179.678	10915.997	67.943	0.000	67.488	-0.000	67.943	0.000	0.000	67.493	46.031	-1.278	MWD+IFR1+MS
18600.000	90.000	179.678	10915.997	68.655	0.000	68.114	-0.000	68.655	0.000	0.000	68.119	46.074	-1.237	MWD+IFR1+MS
18700.000	90.000	179.678	10915.997	69.368	0.000	68.743	-0.000	69.368	0.000	0.000	68.747	46.118	-1.197	MWD+IFR1+MS
18800.000	90.000	179.678	10915.997	70.083	0.000	69.374	-0.000	70.083	0.000	0.000	69.378	46.162	-1.159	MWD+IFR1+MS
18900.000	90.000	179.678	10915.997	70.800	0.000	70.008	-0.000	70.800	0.000	0.000	70.012	46.207	-1.124	MWD+IFR1+MS
19000.000	90.000	179.678	10915.997	71.517	0.000	70.644	-0.000	71.517	0.000	0.000	70.648	46.252	-1.090	MWD+IFR1+MS
19100.000	90.000	179.678	10915.997	72.237	0.000	71.283	-0.000	72.237	0.000	0.000	71.287	46.297	-1.058	MWD+IFR1+MS

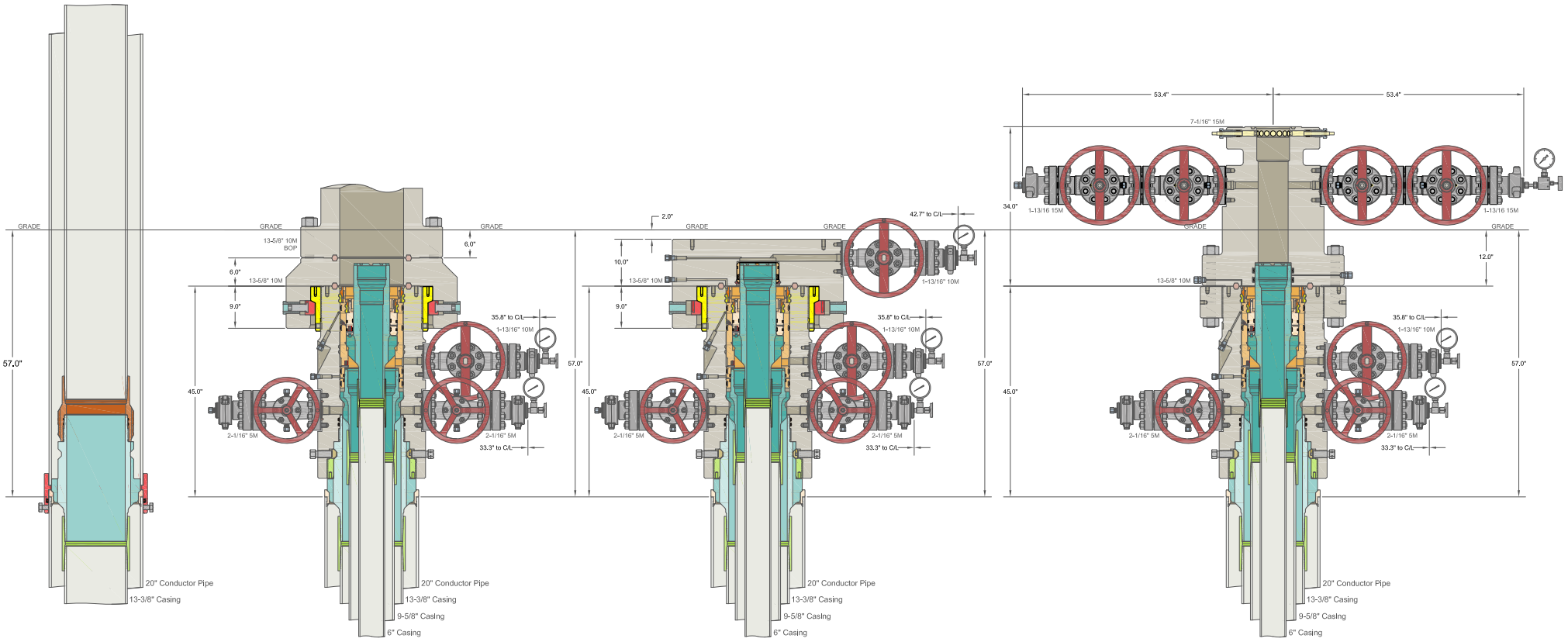
19200.000	90.000	179.678	10915.997	72.957	0.000	71.925	-0.000	72.957	0.000	0.000	71.928	46.343	-1.027	MWD+IFR1+MS
19300.000	90.000	179.678	10915.997	73.679	0.000	72.569	-0.000	73.679	0.000	0.000	72.572	46.390	-0.998	MWD+IFR1+MS
19400.000	90.000	179.678	10915.997	74.402	0.000	73.215	-0.000	74.402	0.000	0.000	73.218	46.437	-0.971	MWD+IFR1+MS
19500.000	90.000	179.678	10915.997	75.127	0.000	73.864	-0.000	75.127	0.000	0.000	73.866	46.485	-0.944	MWD+IFR1+MS
19600.000	90.000	179.678	10915.997	75.853	0.000	74.514	-0.000	75.853	0.000	0.000	74.517	46.533	-0.919	MWD+IFR1+MS
19700.000	90.000	179.678	10915.997	76.579	0.000	75.167	-0.000	76.579	0.000	0.000	75.170	46.581	-0.895	MWD+IFR1+MS
19800.000	90.000	179.678	10915.997	77.307	0.000	75.822	-0.000	77.307	0.000	0.000	75.825	46.630	-0.872	MWD+IFR1+MS
19900.000	90.000	179.678	10915.997	78.036	0.000	76.480	-0.000	78.036	0.000	0.000	76.482	46.680	-0.850	MWD+IFR1+MS
20000.000	90.000	179.678	10915.997	78.766	0.000	77.139	-0.000	78.766	0.000	0.000	77.141	46.730	-0.829	MWD+IFR1+MS
20100.000	90.000	179.678	10915.997	79.498	0.000	77.800	-0.000	79.498	0.000	0.000	77.802	46.781	-0.809	MWD+IFR1+MS
20200.000	90.000	179.678	10915.997	80.230	0.000	78.463	-0.000	80.230	0.000	0.000	78.464	46.832	-0.790	MWD+IFR1+MS
20300.000	90.000	179.678	10915.997	80.963	0.000	79.128	-0.000	80.963	0.000	0.000	79.129	46.883	-0.771	MWD+IFR1+MS
20400.000	90.000	179.678	10915.997	81.697	0.000	79.794	-0.000	81.697	0.000	0.000	79.796	46.935	-0.754	MWD+IFR1+MS
20500.000	90.000	179.678	10915.997	82.432	0.000	80.463	-0.000	82.432	0.000	0.000	80.464	46.988	-0.737	MWD+IFR1+MS
20600.000	90.000	179.678	10915.997	83.168	0.000	81.133	-0.000	83.168	0.000	0.000	81.134	47.041	-0.721	MWD+IFR1+MS
20700.000	90.000	179.678	10915.997	83.905	0.000	81.804	-0.000	83.905	0.000	0.000	81.806	47.094	-0.705	MWD+IFR1+MS
20800.000	90.000	179.678	10915.997	84.643	0.000	82.478	-0.000	84.643	0.000	0.000	82.479	47.148	-0.690	MWD+IFR1+MS
20900.000	90.000	179.678	10915.997	85.381	0.000	83.153	-0.000	85.381	0.000	0.000	83.154	47.203	-0.676	MWD+IFR1+MS
21000.000	90.000	179.678	10915.997	86.121	0.000	83.829	-0.000	86.121	0.000	0.000	83.830	47.258	-0.662	MWD+IFR1+MS
21100.000	90.000	179.678	10915.997	86.861	0.000	84.507	-0.000	86.861	0.000	0.000	84.508	47.313	-0.649	MWD+IFR1+MS
21200.000	90.000	179.678	10915.997	87.602	0.000	85.187	-0.000	87.602	0.000	0.000	85.188	47.369	-0.636	MWD+IFR1+MS
21300.000	90.000	179.678	10915.997	88.343	0.000	85.868	-0.000	88.343	0.000	0.000	85.869	47.426	-0.624	MWD+IFR1+MS
21400.000	90.000	179.678	10915.997	89.086	0.000	86.550	-0.000	89.086	0.000	0.000	86.551	47.483	-0.612	MWD+IFR1+MS
21500.000	90.000	179.678	10915.997	89.829	0.000	87.234	-0.000	89.829	0.000	0.000	87.235	47.540	-0.601	MWD+IFR1+MS
21600.000	90.000	179.678	10915.997	90.573	0.000	87.919	-0.000	90.573	0.000	0.000	87.920	47.598	-0.590	MWD+IFR1+MS
21700.000	90.000	179.678	10915.997	91.317	0.000	88.606	-0.000	91.317	0.000	0.000	88.607	47.656	-0.579	MWD+IFR1+MS
21800.000	90.000	179.678	10915.997	92.063	0.000	89.294	-0.000	92.063	0.000	0.000	89.294	47.715	-0.569	MWD+IFR1+MS
21900.000	90.000	179.678	10915.997	92.808	0.000	89.983	-0.000	92.808	0.000	0.000	89.983	47.775	-0.559	MWD+IFR1+MS
22000.000	90.000	179.678	10915.997	93.555	0.000	90.673	-0.000	93.555	0.000	0.000	90.673	47.834	-0.550	MWD+IFR1+MS
22100.000	90.000	179.678	10915.997	94.302	0.000	91.364	-0.000	94.302	0.000	0.000	91.365	47.895	-0.541	MWD+IFR1+MS
22200.000	90.000	179.678	10915.997	95.050	0.000	92.057	-0.000	95.050	0.000	0.000	92.057	47.955	-0.532	MWD+IFR1+MS
22300.000	90.000	179.678	10915.997	95.798	0.000	92.751	-0.000	95.798	0.000	0.000	92.751	48.016	-0.523	MWD+IFR1+MS
22400.000	90.000	179.678	10915.997	96.547	0.000	93.446	-0.000	96.547	0.000	0.000	93.446	48.078	-0.515	MWD+IFR1+MS

22500.000	90.000	179.678	10915.997	97.296	0.000	94.142	-0.000	97.296	0.000	0.000	94.142	48.140	-0.507	MWD+IFR1+MS
22600.000	90.000	179.678	10915.997	98.046	0.000	94.839	-0.000	98.046	0.000	0.000	94.839	48.203	-0.499	MWD+IFR1+MS
22700.000	90.000	179.678	10915.997	98.797	0.000	95.537	-0.000	98.797	0.000	0.000	95.537	48.266	-0.492	MWD+IFR1+MS
22800.000	90.000	179.678	10915.997	99.548	0.000	96.236	-0.000	99.548	0.000	0.000	96.236	48.329	-0.485	MWD+IFR1+MS
22900.000	90.000	179.678	10915.997	100.300	0.000	96.936	-0.000	100.300	0.000	0.000	96.936	48.393	-0.478	MWD+IFR1+MS
23000.000	90.000	179.678	10915.997	101.052	0.000	97.637	-0.000	101.052	0.000	0.000	97.637	48.458	-0.471	MWD+IFR1+MS
23100.000	90.000	179.678	10915.997	101.804	0.000	98.339	-0.000	101.804	0.000	0.000	98.340	48.522	-0.465	MWD+IFR1+MS
23200.000	90.000	179.678	10915.997	102.557	0.000	99.042	-0.000	102.557	0.000	0.000	99.043	48.588	-0.458	MWD+IFR1+MS
23300.000	90.000	179.678	10915.997	103.311	0.000	99.746	-0.000	103.311	0.000	0.000	99.746	48.654	-0.452	MWD+IFR1+MS
23400.000	90.000	179.678	10915.997	104.065	0.000	100.451	-0.000	104.065	0.000	0.000	100.451	48.720	-0.446	MWD+IFR1+MS
23500.000	90.000	179.678	10915.997	104.820	0.000	101.157	-0.000	104.820	0.000	0.000	101.157	48.786	-0.441	MWD+IFR1+MS
23600.000	90.000	179.678	10915.997	105.574	0.000	101.863	-0.000	105.574	0.000	0.000	101.864	48.853	-0.435	MWD+IFR1+MS
23700.000	90.000	179.678	10915.997	106.330	0.000	102.571	-0.000	106.330	0.000	0.000	102.571	48.921	-0.430	MWD+IFR1+MS
23800.000	90.000	179.678	10915.997	107.086	0.000	103.279	-0.000	107.086	0.000	0.000	103.279	48.989	-0.424	MWD+IFR1+MS
23900.000	90.000	179.678	10915.997	107.842	0.000	103.988	-0.000	107.842	0.000	0.000	103.988	49.057	-0.419	MWD+IFR1+MS
24000.000	90.000	179.678	10915.997	108.598	0.000	104.698	-0.000	108.598	0.000	0.000	104.698	49.126	-0.415	MWD+IFR1+MS
24100.000	90.000	179.678	10915.997	109.355	0.000	105.409	-0.000	109.355	0.000	0.000	105.409	49.195	-0.410	MWD+IFR1+MS
24200.000	90.000	179.678	10915.997	110.113	0.000	106.120	-0.000	110.113	0.000	0.000	106.120	49.265	-0.405	MWD+IFR1+MS
24300.000	90.000	179.678	10915.997	110.870	0.000	106.832	-0.000	110.870	0.000	0.000	106.832	49.335	-0.401	MWD+IFR1+MS
24400.000	90.000	179.678	10915.997	111.629	0.000	107.545	-0.000	111.629	0.000	0.000	107.545	49.406	-0.396	MWD+IFR1+MS
24500.000	90.000	179.678	10915.997	112.387	0.000	108.259	-0.000	112.387	0.000	0.000	108.259	49.477	-0.392	MWD+IFR1+MS
24600.000	90.000	179.678	10915.997	113.146	0.000	108.973	-0.000	113.146	0.000	0.000	108.973	49.548	-0.388	MWD+IFR1+MS
24700.000	90.000	179.678	10915.997	113.905	0.000	109.688	-0.000	113.905	0.000	0.000	109.688	49.620	-0.384	MWD+IFR1+MS
24800.000	90.000	179.678	10915.997	114.665	0.000	110.404	-0.000	114.665	0.000	0.000	110.404	49.692	-0.380	MWD+IFR1+MS
24900.000	90.000	179.678	10915.997	115.425	0.000	111.120	-0.000	115.425	0.000	0.000	111.120	49.765	-0.377	MWD+IFR1+MS
25000.000	90.000	179.678	10915.997	116.185	0.000	111.837	-0.000	116.185	0.000	0.000	111.837	49.838	-0.373	MWD+IFR1+MS
25100.000	90.000	179.678	10915.997	116.945	0.000	112.555	-0.000	116.945	0.000	0.000	112.555	49.912	-0.370	MWD+IFR1+MS
25200.000	90.000	179.678	10915.997	117.706	0.000	113.273	-0.000	117.706	0.000	0.000	113.273	49.986	-0.366	MWD+IFR1+MS
25300.000	90.000	179.678	10915.997	118.467	0.000	113.992	-0.000	118.467	0.000	0.000	113.992	50.060	-0.363	MWD+IFR1+MS
25400.000	90.000	179.678	10915.997	119.229	0.000	114.712	-0.000	119.229	0.000	0.000	114.712	50.135	-0.360	MWD+IFR1+MS
25500.000	90.000	179.678	10915.997	119.991	0.000	115.432	-0.000	119.991	0.000	0.000	115.432	50.210	-0.356	MWD+IFR1+MS
25600.000	90.000	179.678	10915.997	120.753	0.000	116.152	-0.000	120.753	0.000	0.000	116.152	50.286	-0.353	MWD+IFR1+MS
25700.000	90.000	179.678	10915.997	121.515	0.000	116.874	-0.000	121.515	0.000	0.000	116.874	50.362	-0.350	MWD+IFR1+MS

25800.000	90.000	179.678	10915.997	122.278	0.000	117.595	-0.000	122.278	0.000	0.000	117.595	50.438	-0.347	MWD+IFR1+MS
25900.000	90.000	179.678	10915.997	123.041	0.000	118.318	-0.000	123.041	0.000	0.000	118.318	50.515	-0.345	MWD+IFR1+MS
26000.000	90.000	179.678	10915.997	123.804	0.000	119.041	-0.000	123.804	0.000	0.000	119.041	50.592	-0.342	MWD+IFR1+MS
26100.000	90.000	179.678	10915.997	124.567	0.000	119.764	-0.000	124.567	0.000	0.000	119.764	50.670	-0.339	MWD+IFR1+MS
26200.000	90.000	179.678	10915.997	125.331	0.000	120.488	-0.000	125.331	0.000	0.000	120.488	50.748	-0.337	MWD+IFR1+MS
26300.000	90.000	179.678	10915.997	126.095	0.000	121.213	-0.000	126.095	0.000	0.000	121.213	50.826	-0.334	MWD+IFR1+MS
26400.000	90.000	179.678	10915.997	126.859	0.000	121.938	-0.000	126.859	0.000	0.000	121.938	50.905	-0.332	MWD+IFR1+MS
26500.000	90.000	179.678	10915.997	127.624	0.000	122.663	-0.000	127.624	0.000	0.000	122.663	50.984	-0.329	MWD+IFR1+MS
26600.000	90.000	179.678	10915.997	128.388	0.000	123.389	-0.000	128.388	0.000	0.000	123.389	51.063	-0.327	MWD+IFR1+MS
26700.000	90.000	179.678	10915.997	129.153	0.000	124.115	-0.000	129.153	0.000	0.000	124.115	51.143	-0.325	MWD+IFR1+MS
26800.000	90.000	179.678	10915.997	129.919	0.000	124.842	-0.000	129.919	0.000	0.000	124.842	51.224	-0.323	MWD+IFR1+MS
26900.000	90.000	179.678	10915.997	130.684	0.000	125.570	-0.000	130.684	0.000	0.000	125.570	51.304	-0.320	MWD+IFR1+MS
27000.000	90.000	179.678	10915.997	131.450	0.000	126.297	-0.000	131.450	0.000	0.000	126.297	51.386	-0.318	MWD+IFR1+MS
27100.000	90.000	179.678	10915.997	132.216	0.000	127.026	-0.000	132.216	0.000	0.000	127.026	51.467	-0.316	MWD+IFR1+MS
27200.000	90.000	179.678	10915.997	132.982	0.000	127.754	-0.000	132.982	0.000	0.000	127.754	51.549	-0.314	MWD+IFR1+MS
27300.000	90.000	179.678	10915.997	133.748	0.000	128.483	-0.000	133.748	0.000	0.000	128.483	51.631	-0.312	MWD+IFR1+MS
27400.000	90.000	179.678	10915.997	134.515	0.000	129.213	-0.000	134.515	0.000	0.000	129.213	51.714	-0.311	MWD+IFR1+MS
27500.000	90.000	179.678	10915.997	135.281	0.000	129.943	-0.000	135.281	0.000	0.000	129.943	51.797	-0.309	MWD+IFR1+MS
27600.000	90.000	179.678	10915.997	136.048	0.000	130.673	-0.000	136.048	0.000	0.000	130.673	51.880	-0.307	MWD+IFR1+MS
27700.000	90.000	179.678	10915.997	136.816	0.000	131.404	-0.000	136.816	0.000	0.000	131.404	51.964	-0.305	MWD+IFR1+MS
27800.000	90.000	179.678	10915.997	137.583	0.000	132.135	-0.000	137.583	0.000	0.000	132.135	52.048	-0.304	MWD+IFR1+MS
27900.000	90.000	179.678	10915.997	138.350	0.000	132.867	-0.000	138.350	0.000	0.000	132.867	52.132	-0.302	MWD+IFR1+MS
28000.000	90.000	179.678	10915.997	139.118	0.000	133.599	-0.000	139.118	0.000	0.000	133.599	52.217	-0.300	MWD+IFR1+MS
28100.000	90.000	179.678	10915.997	139.886	0.000	134.331	-0.000	139.886	0.000	0.000	134.331	52.302	-0.299	MWD+IFR1+MS
28200.000	90.000	179.678	10915.997	140.654	0.000	135.064	-0.000	140.654	0.000	0.000	135.064	52.388	-0.297	MWD+IFR1+MS
28300.000	90.000	179.678	10915.997	141.423	0.000	135.797	-0.000	141.423	0.000	0.000	135.797	52.474	-0.296	MWD+IFR1+MS
28400.000	90.000	179.678	10915.997	142.191	0.000	136.530	-0.000	142.191	0.000	0.000	136.530	52.560	-0.294	MWD+IFR1+MS
28500.000	90.000	179.678	10915.997	142.960	0.000	137.264	-0.000	142.960	0.000	0.000	137.264	52.647	-0.293	MWD+IFR1+MS
28600.000	90.000	179.678	10915.997	143.729	0.000	137.998	-0.000	143.729	0.000	0.000	137.998	52.734	-0.292	MWD+IFR1+MS
28700.000	90.000	179.678	10915.997	144.498	0.000	138.732	-0.000	144.498	0.000	0.000	138.732	52.821	-0.290	MWD+IFR1+MS
28800.969	90.000	179.678	10915.997	145.274	0.000	139.474	-0.000	145.274	0.000	0.000	139.474	52.910	-0.289	MWD+IFR1+MS
28900.970	90.000	179.678	10915.997	146.044	0.000	140.209	-0.000	146.044	0.000	0.000	140.209	52.998	-0.288	MWD+IFR1+MS

Plan Targets Poker Lake Unit 20 DTD South 124H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 7	11100.60	440372.40	631686.00	7666.00	RECTANGLE
SHL 6	12118.69	439534.83	631817.37	8271.05	RECTANGLE
LTP 7	28800.97	422258.80	631787.80	7666.00	RECTANGLE
BHL 7	28901.01	422158.80	631788.40	7666.00	RECTANGLE



ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

(20") x 13-3/8" x 9-5/8" x 6" MBU-3T-CFL-R-DBLO-SF Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Drilling & Skid Configurations

DRAWN	DLE	04NOV22
APPRV		

DRAWING NO. HBE0000833

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

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

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 342697
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	6/7/2024