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

Sundry Print Report

08/08/2024

Well Name: CORRAL CANYON 17-5 FEDERAL

Well Location: T25S / R29E / SEC 17 / SWSW / 32.124015 / -104.011951

County or Parish/State: EDDY / NM

Well Number: 801H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM99147

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: XTO ENERGY INCORPORATED

Notice of Intent

Sundry ID: 2791050

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 05/17/2024

Time Sundry Submitted: 08:31

Date proposed operation will begin: 08/12/2024

Procedure Description: This request is for the well formally known as CORRAL CANYON 17-5 FEDERAL 801H and is currently named CORRAL 17-5 FED COM 801H. The API number for this well is 30-015-55119. XTO Energy Incorporated respectfully requests approval to make the following changes to the approved APD. Changes to include FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: FTP: 100' FSL & 1320' FEL OF SECTION 17-T25S-R29E 100' FSL & 1015' FWL OF SECTION 17-T25S-R29E LTP: 100' FNL & 1320' FEL OF SECTION 5-T25S-R29E 100' FNL & 1347' FWL OF SECTION 5-T25S-R29E BHL: 50' FNL & 1320' FEL OF SECTION 5-T25S-R29E 50' FNL & 1350' FWL OF SECTION 5-T25S-R29E The proposed total depth is changing from 25079' MD; 8968' TVD (Willow Lake/Bone Spring) to 25290' MD; 9019' TVD (Bone Spring 3 Shale). A saturated salt brine will be utilized while drilling through the salt formations. See attached Drilling Plan for updated cement and casing program. Attachments: C-102, Drilling Plan, Directional Plan, MBS, Well Control Plan, Freedom HTQ semi premium, Talon HTQ semi flush, and Flex hose.

NOI Attachments

Procedure Description

Corral_17_8_Fed_Com_801H___BLM_APD_Change_Sundry_Attachments_20240805085831.pdf

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Well Number: 801H

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Allottee or Tribe Name:

Lease Number: NMNM99147

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: XTO ENERGY INCORPORATED

Conditions of Approval

Additional

Corral_17_5_Fed_Com_801H_COA_20240807132231.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: ADRIAN BAKER

Signed on: AUG 05, 2024 09:02 AM

Name: XTO ENERGY INCORPORATED

Title: Regulatory Analyst

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING **State:** TX

Phone: (432) 236-3808

Email address: ADRIAN.BAKER@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: 08/07/2024

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

A saturated salt brine will be utilized while drilling through the salt formations.

See attached Drilling Plan for updated cement and casing program.

Attachments: C-102, Drilling Plan, Directional Plan, MBS, Well Control Plan, Freedom HTQ semi premium, Talon HTQ semi flush, and Flex hose.

Location of Well

0. SHL: SWSW / 404 FSL / 989 FEL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.124015 / LONG: -104.011951 (TVD: 0 feet, MD: 0 feet)
PPP: SENW / 2647 FSL / 1362 FWL / TWSP: 25S / RANGE: 29E / SECTION: 8 / LAT: 32.144742 / LONG: -104.010835 (TVD: 8968 feet, MD: 17400 feet)
PPP: SESW / 100 FSL / 1320 FEL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.123166 / LONG: -104.010877 (TVD: 8968 feet, MD: 9400 feet)
PPP: SESW / 0 FSL / 1356 FWL / TWSP: 25S / RANGE: 29E / SECTION: 8 / LAT: 32.137466 / LONG: -104.010849 (TVD: 8968 feet, MD: 14700 feet)
PPP: SENW / 2649 FSL / 1337 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.130173 / LONG: -104.010863 (TVD: 8968 feet, MD: 12100 feet)
BHL: LOT 3 / 50 FNL / 1320 FEL / TWSP: 25S / RANGE: 29E / SECTION: 5 / LAT: 32.166362 / LONG: -104.010792 (TVD: 8968 feet, MD: 25079 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO ENERGY
LEASE NO.:	**NMNM99147**
LOCATION:	Sec. 17, T.25 S, R 29 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Corral 17-5 Fed Com 801H
SURFACE HOLE FOOTAGE:	404'/S & 989'/W
BOTTOM HOLE FOOTAGE:	50'/N & 1350'/W

*Previously known as **Corral Canyon 17-5 Fed 801H___**. Changes approved through engineering via **Sundry 2791050_** on **_8-7-2024_.** Any previous COAs not addressed within the updated COAs still apply.*

COA

H_2S	○ No		○ Yes	
Potash / WIPP	◉ None	○ Secretary	○ R-111-Q	☐ Open Annulus ☐ WIPP
	Choose an option (including blank option.)			
Cave / Karst	○ Low	◉ Medium	○ High	○ Critical
Wellhead	○ Conventional	◉ Multibowl	○ Both	○ Diverter
Cementing	☑ Primary Squeeze	☐ Cont. Squeeze	☑ EchoMeter	☐ DV Tool
Special Req	☐ Capitan Reef	☐ Water Disposal	☑ COM	☐ Unit
Waste Prev.	○ Self-Certification	○ Waste Min. Plan	◉ APD Submitted prior to 06/10/2024	
Additional Language	☑ Flex Hose ☐ Four-String	☐ Casing Clearance ☑ Offline Cementing	☐ Pilot Hole ☐ Fluid-Filled	☑ Break Testing

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 **450** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of

the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater. (This is to include the lead cement)
c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:
Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 5366'**

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.

- 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 Surface X Intermediate 1 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 Intermediate 1 casing to tieback requirements listed above 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.

If cement does not reach surface, the next casing string must come to surface.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
   - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

4. The minimum required fill of cement behind the Choose an item. inch production liner is:
   - Cement should tie-back **100 feet** into the previous casing. 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)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for intervals utilizing a 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 (575-689-5981 Lea 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 **43 CFR 3172**.
- 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)

Contact Eddy County Petroleum Engineering Inspection Staff:
Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220; **BLM_NM_CFO_DrillingNotifications@BLM.GOV**; (575) 361-2822

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
        i. Notify the BLM when moving in and removing the Spudder Rig.
        ii. 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.
        iii. BOP/BOPE test to be conducted per **43 CFR 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. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

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 of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity 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-Q 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 3172**.
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:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. 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.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    v. 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.
    i. 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).
    ii. 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.)

iii. 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 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 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. 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.

v. The results of the test shall be reported to the appropriate BLM office.

vi. 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.

vii. 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.

viii. 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 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.

Approved by Zota Stevens on 8/7/2024
575-234-5998 / zstevens@blm.gov

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

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-55119	96217	WILLOW LAKE, BONE SPRING, SOUTHEAST

[4] Property Code	[5] Property Name	[6] Well Number
	CORRAL 17-5 FED COM	801H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO ENERGY, INC	2,953'

[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
M	17	25 S	29 E		404	SOUTH	989	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
4	5	25 S	29 E		50	NORTH	1,350	WEST	EDDY

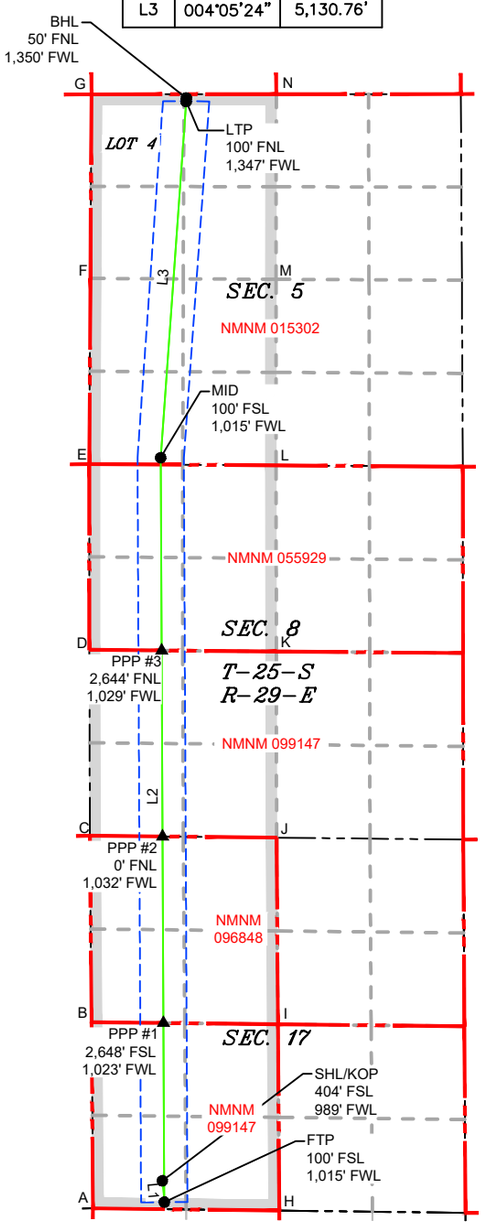
[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
958.97			

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.

[16]

LOT ACREAGE TABLE
SECTION 5
T-25-S, R-31-E
LOT 4 = 39.44 ACRES

LINE TABLE		
LINE	AZUMITH	LENGTH
L1	174°42'19"	305.57'
L2	359°43'16"	10,592.58'
L3	004°05'24"	5,130.76'



LEGEND

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

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			SHL/KOP (NAD 27 NME)		
Y =	409,001.1	N	Y =	408,942.7	N
X =	640,828.2	E	X =	599,644.3	E
LAT. =	32.124015	°N	LAT. =	32.123891	°N
LONG. =	104.011951	°W	LONG. =	104.011462	°W
FTP (NAD 83 NME)			FTP (NAD 27 NME)		
Y =	408,696.9	N	Y =	408,638.4	N
X =	640,856.4	E	X =	599,672.5	E
LAT. =	32.123179	°N	LAT. =	32.123054	°N
LONG. =	104.011862	°W	LONG. =	104.011374	°W
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	411,245.4	N	Y =	411,186.9	N
X =	640,844.0	E	X =	599,660.0	E
LAT. =	32.130185	°N	LAT. =	32.130060	°N
LONG. =	104.011878	°W	LONG. =	104.011389	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	413,898.4	N	Y =	413,839.9	N
X =	640,831.1	E	X =	599,647.2	E
LAT. =	32.137477	°N	LAT. =	32.137353	°N
LONG. =	104.011894	°W	LONG. =	104.011405	°W
PPP #3 (NAD 83 NME)			PPP #3 (NAD 27 NME)		
Y =	416,545.0	N	Y =	416,486.3	N
X =	640,818.2	E	X =	599,634.3	E
LAT. =	32.144753	°N	LAT. =	32.144628	°N
LONG. =	104.011910	°W	LONG. =	104.011421	°W
MID (NAD 83 NME)			MID (NAD 27 NME)		
Y =	419,289.3	N	Y =	419,230.6	N
X =	640,804.9	E	X =	599,621.0	E
LAT. =	32.152297	°N	LAT. =	32.152172	°N
LONG. =	104.011927	°W	LONG. =	104.011438	°W
LTP (NAD 83 NME)			LTP (NAD 27 NME)		
Y =	424,357.1	N	Y =	424,298.3	N
X =	641,167.3	E	X =	599,983.5	E
LAT. =	32.166225	°N	LAT. =	32.166100	°N
LONG. =	104.010707	°W	LONG. =	104.010217	°W
BHL (NAD 83 NME)			BHL (NAD 27 NME)		
Y =	424,407.0	N	Y =	424,348.2	N
X =	641,170.8	E	X =	599,987.1	E
LAT. =	32.166362	°N	LAT. =	32.166237	°N
LONG. =	104.010695	°W	LONG. =	104.010205	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	408,608.8	N	A - X =	639,842.1	E
B - Y =	411,256.6	N	B - X =	639,820.6	E
C - Y =	413,908.7	N	C - X =	639,798.7	E
D - Y =	416,554.2	N	D - X =	639,788.8	E
E - Y =	419,196.8	N	E - X =	639,789.3	E
F - Y =	421,836.3	N	F - X =	639,805.3	E
G - Y =	424,456.0	N	G - X =	639,821.1	E
H - Y =	408,577.6	N	H - X =	642,492.6	E
I - Y =	411,227.8	N	I - X =	642,473.3	E
J - Y =	413,882.3	N	J - X =	642,454.0	E
K - Y =	416,530.4	N	K - X =	642,450.5	E
L - Y =	419,177.2	N	L - X =	642,447.0	E
M - Y =	421,823.8	N	M - X =	642,448.1	E
N - Y =	424,457.9	N	N - X =	642,449.2	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	408,550.3	N	A - X =	598,658.2	E
B - Y =	411,198.1	N	B - X =	598,636.6	E
C - Y =	413,850.1	N	C - X =	598,614.7	E
D - Y =	416,495.6	N	D - X =	598,604.9	E
E - Y =	419,138.1	N	E - X =	598,605.5	E
F - Y =	421,777.6	N	F - X =	598,621.5	E
G - Y =	424,397.2	N	G - X =	598,637.4	E
H - Y =	408,519.2	N	H - X =	601,308.6	E
I - Y =	411,169.3	N	I - X =	601,289.3	E
J - Y =	413,823.7	N	J - X =	601,270.0	E
K - Y =	416,471.7	N	K - X =	601,266.6	E
L - Y =	419,118.5	N	L - X =	601,263.1	E
M - Y =	421,765.0	N	M - X =	601,264.3	E
N - Y =	424,399.1	N	N - X =	601,265.5	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.

Signature 7/11/2024 Date

Jena Austin
Printed Name

jena.n.austin@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.

7/10/2024
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number

DB/AI 618.013013.03-18

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.
CORRAL 17 - 5 FED COM 801H
Projected TD: 25290.85' MD / 9019' TVD
SHL: 404' FSL & 989' FWL , Section 17, T25S, R29E
BHL: 50' FNL & 1350' FWL , Section 5, T25S, R29E
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	0'	Water
Top of Salt	586'	Water
Base of Salt	2674'	Water
Delaware	2874'	Water
Brushy Canyon	5366'	Water/Oil/Gas
Bone Spring	6582'	Water
1st Bone Spring	7359'	Water/Oil/Gas
2nd Bone Spring	7809'	Water/Oil/Gas
3rd Bone Spring	8994'	Water/Oil/Gas
Target/Land Curve	9019'	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 9.625 inch casing @ 551' (35' 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 8242' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 25290.85 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 7942 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 551'	9.625	40	J-55	BTC	New	1.93	11.43	28.58
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	3.22	2.86	2.28
8.75	4000' – 8242'	7.625	29.7	HC L-80	Flush Joint	New	2.34	2.78	3.22
6.75	0' – 8142'	5.5	20	RY P-110	Semi-Premium	New	1.26	2.50	2.13
6.75	8142' - 25290.85'	5.5	20	RY P-110	Semi-Flush	New	1.26	2.25	2.13

· 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

Wellhead:

XTO will use a Multi-Bowl system which is attached

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 551'

Lead: 80 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 +/- 8242'
1st Stage
Optional Lead: 290 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 260 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 5366
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: 600 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 (5366') 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 +/- 25290.85'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 7942 feet
Tail: 1210 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 8442 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 surface casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril and a 10M Double Ram BOP.

All BOP testing will be done by an independent service company. Operator will test as per BLM CFR43-3172.

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. 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)	Additional Comments
0' - 551'	12.25	FW/Native	8.4-8.9	35-40	NC	Fresh water or native water
551' - 8242'	8.75	Saturated brine for salt interval/Direct emulsion	10-10.5	30-32	NC	Fully saturated salt across salado / salt
8242' - 25290.85'	6.75	OBM	10.5-11	50-60	NC - 20	N/A

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 surface casing with Saturated Salt solution. Saturated Salt 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

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 155 to 175 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 4924 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 - Corral 17-5 Fed Com 801H

Measured Depth:	25290.85 ft
TVD RKB:	9019.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	408942.70 ft
Easting:	599644.30 ft
RKB:	2986.00 ft
Ground Level:	2953.00 ft
North Reference:	Grid
Convergence Angle:	0.17 Deg

Plan Sections Corral 17-5 Fed Com 801H

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	
1948.66	16.97	178.22	1936.30	-124.73	3.87	2.00	0.00	2.00	
4591.16	16.97	178.22	4463.70	-895.76	27.81	0.00	0.00	0.00	
5439.82	0.00	0.00	5300.00	-1020.49	31.68	-2.00	0.00	2.00	
8442.62	0.00	0.00	8302.80	-1020.49	31.68	0.00	0.00	0.00	
9567.62	90.00	359.72	9019.00	-304.30	28.20	8.00	0.00	8.00	801H FTP
20159.95	90.00	359.72	9019.00	10287.90	-23.30	0.00	0.00	0.00	801H Mid
20383.36	90.00	4.19	9019.00	10511.13	-15.68	0.00	2.00	2.00	
25240.82	90.00	4.19	9019.00	15355.60	339.20	0.00	0.00	0.00	801H LTP
25290.85	90.00	4.19	9019.00	15405.50	342.86	0.00	0.00	0.00	801H BHL

Position Uncertainty Corral 17-5 Fed Com 801H

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD RKB (ft)	Highside Error (ft)	Highside Bias (ft)	Lateral Error (ft)	Lateral Bias (ft)	Vertical Error (ft)	Vertical Bias (ft)	Magnitude of Bias (ft)	Semi-major Error (ft)	Semi-minor Error (ft)	Semi-minor Azimuth (°)	Tool 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	XOM_R2OWSG MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.358	0.000	0.179	0.000	2.300	0.000	0.000	0.358	0.179	90.000	XOM_R2OWSG MWD+IFR1+MS
200.000	0.000	0.000	200.000	0.717	0.000	0.538	0.000	2.309	0.000	0.000	0.717	0.538	90.000	XOM_R2OWSG MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.075	0.000	0.896	0.000	2.324	0.000	0.000	1.075	0.896	90.000	XOM_R2OWSG MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.434	0.000	1.255	0.000	2.345	0.000	0.000	1.434	1.255	90.000	XOM_R2OWSG MWD+IFR1+MS
500.000	0.000	0.000	500.000	1.792	0.000	1.613	0.000	2.371	0.000	0.000	1.792	1.613	90.000	XOM_R2OWSG MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.151	0.000	1.972	0.000	2.403	0.000	0.000	2.151	1.972	90.000	XOM_R2OWSG MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.509	0.000	2.330	0.000	2.439	0.000	0.000	2.509	2.330	90.000	XOM_R2OWSG MWD+IFR1+MS
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.480	0.000	0.000	2.868	2.689	90.000	XOM_R2OWSG MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.226	0.000	3.047	0.000	2.524	0.000	0.000	3.226	3.047	90.000	XOM_R2OWSG MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	3.585	0.000	3.405	0.000	2.573	0.000	0.000	3.585	3.405	90.000	XOM_R2OWSG MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	3.943	0.000	3.764	0.000	2.625	0.000	0.000	3.943	3.764	90.000	XOM_R2OWSG MWD+IFR1+MS
1200.000	2.000	178.222	1199.980	4.282	0.000	4.104	-0.000	2.680	0.000	0.000	4.284	4.104	89.996	XOM_R2OWSG MWD+IFR1+MS
1300.000	4.000	178.222	1299.838	4.602	0.000	4.429	-0.000	2.737	0.000	0.000	4.612	4.429	89.979	XOM_R2OWSG MWD+IFR1+MS
1400.000	6.000	178.222	1399.452	4.922	0.000	4.759	-0.000	2.794	0.000	0.000	4.945	4.759	89.965	XOM_R2OWSG MWD+IFR1+MS
1500.000	8.000	178.222	1498.702	5.240	0.000	5.093	-0.000	2.853	0.000	0.000	5.282	5.093	89.964	XOM_R2OWSG MWD+IFR1+MS
1600.000	10.000	178.222	1597.465	5.557	0.000	5.433	-0.000	2.913	0.000	0.000	5.621	5.433	89.987	XOM_R2OWSG MWD+IFR1+MS

1700.000	12.000	178.222	1695.623	5.872	0.000	5.779	-0.000	2.975	0.000	0.000	5.964	5.779	90.043	XOM_R2OWSG MWD+IFR1+MS
1800.000	14.000	178.222	1793.055	6.186	0.000	6.133	-0.000	3.041	0.000	0.000	6.309	6.132	90.149	XOM_R2OWSG MWD+IFR1+MS
1900.000	16.000	178.222	1889.643	6.498	0.000	6.494	-0.000	3.111	0.000	0.000	6.657	6.494	90.333	XOM_R2OWSG MWD+IFR1+MS
1948.658	16.973	178.222	1936.300	6.650	0.000	6.672	-0.000	3.143	0.000	0.000	6.829	6.672	90.428	XOM_R2OWSG MWD+IFR1+MS
2000.000	16.973	178.222	1985.405	6.836	0.000	6.863	-0.000	3.187	0.000	0.000	7.008	6.862	90.621	XOM_R2OWSG MWD+IFR1+MS
2100.000	16.973	178.222	2081.050	7.202	0.000	7.240	-0.000	3.283	0.000	0.000	7.356	7.240	91.256	XOM_R2OWSG MWD+IFR1+MS
2200.000	16.973	178.222	2176.694	7.573	0.000	7.624	-0.000	3.384	0.000	0.000	7.710	7.624	92.381	XOM_R2OWSG MWD+IFR1+MS
2300.000	16.973	178.222	2272.338	7.948	0.000	8.014	-0.000	3.490	0.000	0.000	8.067	8.013	94.887	XOM_R2OWSG MWD+IFR1+MS
2400.000	16.973	178.222	2367.982	8.326	0.000	8.408	-0.000	3.599	0.000	0.000	8.429	8.406	104.585	XOM_R2OWSG MWD+IFR1+MS
2500.000	16.973	178.222	2463.626	8.708	0.000	8.806	-0.000	3.713	0.000	0.000	8.808	8.789	-22.307	XOM_R2OWSG MWD+IFR1+MS
2600.000	16.973	178.222	2559.270	9.093	0.000	9.207	-0.000	3.829	0.000	0.000	9.208	9.157	-8.990	XOM_R2OWSG MWD+IFR1+MS
2700.000	16.973	178.222	2654.915	9.480	0.000	9.611	-0.000	3.950	0.000	0.000	9.612	9.527	-6.047	XOM_R2OWSG MWD+IFR1+MS
2800.000	16.973	178.222	2750.559	9.870	0.000	10.019	-0.000	4.073	0.000	0.000	10.019	9.898	-4.794	XOM_R2OWSG MWD+IFR1+MS
2900.000	16.973	178.222	2846.203	10.261	0.000	10.428	-0.000	4.199	0.000	0.000	10.428	10.272	-4.103	XOM_R2OWSG MWD+IFR1+MS
3000.000	16.973	178.222	2941.847	10.654	0.000	10.840	-0.000	4.327	0.000	0.000	10.840	10.647	-3.666	XOM_R2OWSG MWD+IFR1+MS
3100.000	16.973	178.222	3037.491	11.049	0.000	11.253	-0.000	4.458	0.000	0.000	11.253	11.024	-3.365	XOM_R2OWSG MWD+IFR1+MS
3200.000	16.973	178.222	3133.135	11.445	0.000	11.668	-0.000	4.592	0.000	0.000	11.668	11.402	-3.145	XOM_R2OWSG MWD+IFR1+MS
3300.000	16.973	178.222	3228.780	11.842	0.000	12.085	-0.000	4.728	0.000	0.000	12.085	11.781	-2.978	XOM_R2OWSG MWD+IFR1+MS
3400.000	16.973	178.222	3324.424	12.240	0.000	12.503	-0.000	4.866	0.000	0.000	12.503	12.162	-2.846	XOM_R2OWSG MWD+IFR1+MS
3500.000	16.973	178.222	3420.068	12.640	0.000	12.922	-0.000	5.005	0.000	0.000	12.922	12.543	-2.740	XOM_R2OWSG MWD+IFR1+MS

3600.000	16.973	178.222	3515.712	13.040	0.000	13.342	-0.000	5.147	0.000	0.000	13.342	12.926	-2.652	XOM_R2OWSG MWD+IFR1+MS
3700.000	16.973	178.222	3611.356	13.441	0.000	13.763	-0.000	5.291	0.000	0.000	13.763	13.310	-2.579	XOM_R2OWSG MWD+IFR1+MS
3800.000	16.973	178.222	3707.000	13.843	0.000	14.185	-0.000	5.437	0.000	0.000	14.185	13.694	-2.517	XOM_R2OWSG MWD+IFR1+MS
3900.000	16.973	178.222	3802.645	14.245	0.000	14.608	-0.000	5.584	0.000	0.000	14.608	14.079	-2.463	XOM_R2OWSG MWD+IFR1+MS
4000.000	16.973	178.222	3898.289	14.648	0.000	15.032	-0.000	5.733	0.000	0.000	15.032	14.465	-2.417	XOM_R2OWSG MWD+IFR1+MS
4100.000	16.973	178.222	3993.933	15.052	0.000	15.457	-0.000	5.884	0.000	0.000	15.457	14.851	-2.376	XOM_R2OWSG MWD+IFR1+MS
4200.000	16.973	178.222	4089.577	15.457	0.000	15.882	-0.000	6.037	0.000	0.000	15.882	15.238	-2.340	XOM_R2OWSG MWD+IFR1+MS
4300.000	16.973	178.222	4185.221	15.861	0.000	16.307	-0.000	6.191	0.000	0.000	16.307	15.626	-2.308	XOM_R2OWSG MWD+IFR1+MS
4400.000	16.973	178.222	4280.865	16.267	0.000	16.733	-0.000	6.347	0.000	0.000	16.733	16.014	-2.279	XOM_R2OWSG MWD+IFR1+MS
4500.000	16.973	178.222	4376.509	16.672	0.000	17.160	-0.000	6.504	0.000	0.000	17.160	16.403	-2.253	XOM_R2OWSG MWD+IFR1+MS
4591.162	16.973	178.222	4463.700	17.042	0.000	17.549	-0.000	6.649	0.000	0.000	17.550	16.758	-2.231	XOM_R2OWSG MWD+IFR1+MS
4600.000	16.796	178.222	4472.158	17.082	0.000	17.587	-0.000	6.664	0.000	0.000	17.587	16.792	-2.229	XOM_R2OWSG MWD+IFR1+MS
4700.000	14.796	178.222	4568.376	17.517	0.000	18.008	-0.000	6.823	0.000	0.000	18.008	17.177	-2.209	XOM_R2OWSG MWD+IFR1+MS
4800.000	12.796	178.222	4665.486	17.925	0.000	18.419	-0.000	6.979	0.000	0.000	18.419	17.558	-2.193	XOM_R2OWSG MWD+IFR1+MS
4900.000	10.796	178.222	4763.369	18.304	0.000	18.818	-0.000	7.127	0.000	0.000	18.818	17.933	-2.181	XOM_R2OWSG MWD+IFR1+MS
5000.000	8.796	178.222	4861.906	18.654	0.000	19.205	-0.000	7.267	0.000	0.000	19.205	18.302	-2.172	XOM_R2OWSG MWD+IFR1+MS
5100.000	6.796	178.222	4960.977	18.974	0.000	19.580	-0.000	7.401	0.000	0.000	19.580	18.664	-2.165	XOM_R2OWSG MWD+IFR1+MS
5200.000	4.796	178.222	5060.460	19.263	0.000	19.943	-0.000	7.529	0.000	0.000	19.943	19.018	-2.161	XOM_R2OWSG MWD+IFR1+MS
5300.000	2.796	178.222	5160.236	19.521	0.000	20.294	-0.000	7.651	0.000	0.000	20.294	19.362	-2.158	XOM_R2OWSG MWD+IFR1+MS
5400.000	0.796	178.222	5260.182	19.748	0.000	20.632	-0.000	7.769	0.000	0.000	20.632	19.698	-2.156	XOM_R2OWSG MWD+IFR1+MS

5439.820	0.000	0.000	5300.000	19.827	0.000	20.754	0.000	7.814	0.000	0.000	20.755	19.825	-2.159	XOM_R2OWSG MWD+IFR1+MS
5500.000	0.000	0.000	5360.180	20.012	0.000	20.929	0.000	7.883	0.000	0.000	20.930	20.011	-2.170	XOM_R2OWSG MWD+IFR1+MS
5600.000	0.000	0.000	5460.180	20.322	0.000	21.221	0.000	7.999	0.000	0.000	21.222	20.321	-2.187	XOM_R2OWSG MWD+IFR1+MS
5700.000	0.000	0.000	5560.180	20.633	0.000	21.514	0.000	8.117	0.000	0.000	21.516	20.632	-2.206	XOM_R2OWSG MWD+IFR1+MS
5800.000	0.000	0.000	5660.180	20.946	0.000	21.810	0.000	8.238	0.000	0.000	21.812	20.945	-2.224	XOM_R2OWSG MWD+IFR1+MS
5900.000	0.000	0.000	5760.180	21.261	0.000	22.108	0.000	8.361	0.000	0.000	22.109	21.259	-2.242	XOM_R2OWSG MWD+IFR1+MS
6000.000	0.000	0.000	5860.180	21.576	0.000	22.407	0.000	8.487	0.000	0.000	22.409	21.575	-2.261	XOM_R2OWSG MWD+IFR1+MS
6100.000	0.000	0.000	5960.180	21.893	0.000	22.709	0.000	8.616	0.000	0.000	22.710	21.892	-2.280	XOM_R2OWSG MWD+IFR1+MS
6200.000	0.000	0.000	6060.180	22.212	0.000	23.011	0.000	8.747	0.000	0.000	23.013	22.210	-2.299	XOM_R2OWSG MWD+IFR1+MS
6300.000	0.000	0.000	6160.180	22.531	0.000	23.316	0.000	8.881	0.000	0.000	23.317	22.530	-2.318	XOM_R2OWSG MWD+IFR1+MS
6400.000	0.000	0.000	6260.180	22.852	0.000	23.622	0.000	9.018	0.000	0.000	23.623	22.851	-2.337	XOM_R2OWSG MWD+IFR1+MS
6500.000	0.000	0.000	6360.180	23.174	0.000	23.929	0.000	9.157	0.000	0.000	23.930	23.172	-2.357	XOM_R2OWSG MWD+IFR1+MS
6600.000	0.000	0.000	6460.180	23.496	0.000	24.238	0.000	9.300	0.000	0.000	24.239	23.495	-2.377	XOM_R2OWSG MWD+IFR1+MS
6700.000	0.000	0.000	6560.180	23.820	0.000	24.548	0.000	9.445	0.000	0.000	24.549	23.819	-2.397	XOM_R2OWSG MWD+IFR1+MS
6800.000	0.000	0.000	6660.180	24.145	0.000	24.859	0.000	9.593	0.000	0.000	24.861	24.144	-2.417	XOM_R2OWSG MWD+IFR1+MS
6900.000	0.000	0.000	6760.180	24.471	0.000	25.172	0.000	9.743	0.000	0.000	25.173	24.470	-2.438	XOM_R2OWSG MWD+IFR1+MS
7000.000	0.000	0.000	6860.180	24.797	0.000	25.486	0.000	9.897	0.000	0.000	25.487	24.796	-2.459	XOM_R2OWSG MWD+IFR1+MS
7100.000	0.000	0.000	6960.180	25.125	0.000	25.801	0.000	10.053	0.000	0.000	25.802	25.124	-2.480	XOM_R2OWSG MWD+IFR1+MS
7200.000	0.000	0.000	7060.180	25.453	0.000	26.117	0.000	10.213	0.000	0.000	26.118	25.452	-2.501	XOM_R2OWSG MWD+IFR1+MS
7300.000	0.000	0.000	7160.180	25.782	0.000	26.434	0.000	10.375	0.000	0.000	26.436	25.781	-2.522	XOM_R2OWSG MWD+IFR1+MS

7400.000	0.000	0.000	7260.180	26.112	0.000	26.753	0.000	10.540	0.000	0.000	26.754	26.111	-2.544	XOM_R2OWSG MWD+IFR1+MS
7500.000	0.000	0.000	7360.180	26.443	0.000	27.072	0.000	10.708	0.000	0.000	27.073	26.442	-2.566	XOM_R2OWSG MWD+IFR1+MS
7600.000	0.000	0.000	7460.180	26.774	0.000	27.392	0.000	10.879	0.000	0.000	27.394	26.773	-2.588	XOM_R2OWSG MWD+IFR1+MS
7700.000	0.000	0.000	7560.180	27.107	0.000	27.714	0.000	11.053	0.000	0.000	27.715	27.105	-2.611	XOM_R2OWSG MWD+IFR1+MS
7800.000	0.000	0.000	7660.180	27.439	0.000	28.036	0.000	11.230	0.000	0.000	28.037	27.438	-2.633	XOM_R2OWSG MWD+IFR1+MS
7900.000	0.000	0.000	7760.180	27.773	0.000	28.359	0.000	11.410	0.000	0.000	28.360	27.771	-2.656	XOM_R2OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7860.180	28.107	0.000	28.682	0.000	11.593	0.000	0.000	28.684	28.105	-2.680	XOM_R2OWSG MWD+IFR1+MS
8100.000	0.000	0.000	7960.180	28.441	0.000	29.007	0.000	11.778	0.000	0.000	29.008	28.440	-2.703	XOM_R2OWSG MWD+IFR1+MS
8200.000	0.000	0.000	8060.180	28.776	0.000	29.332	0.000	11.967	0.000	0.000	29.334	28.775	-2.727	XOM_R2OWSG MWD+IFR1+MS
8300.000	0.000	0.000	8160.180	29.112	0.000	29.659	0.000	12.159	0.000	0.000	29.660	29.111	-2.751	XOM_R2OWSG MWD+IFR1+MS
8400.000	0.000	0.000	8260.180	29.448	0.000	29.986	0.000	12.354	0.000	0.000	29.987	29.447	-2.775	XOM_R2OWSG MWD+IFR1+MS
8442.622	0.000	0.000	8302.803	29.592	0.000	30.125	0.000	12.438	0.000	0.000	30.126	29.591	-2.786	XOM_R2OWSG MWD+IFR1+MS
8500.000	4.590	359.721	8360.119	29.429	0.000	30.311	0.000	12.550	0.000	0.000	30.312	29.779	-2.791	XOM_R2OWSG MWD+IFR1+MS
8600.000	12.590	359.721	8458.917	28.748	0.000	30.621	0.000	12.733	0.000	0.000	30.622	30.079	-2.756	XOM_R2OWSG MWD+IFR1+MS
8700.000	20.590	359.721	8554.676	27.586	0.000	30.912	0.000	12.903	0.000	0.000	30.913	30.339	-2.660	XOM_R2OWSG MWD+IFR1+MS
8800.000	28.590	359.721	8645.533	25.988	0.000	31.182	0.000	13.062	0.000	0.000	31.183	30.554	-2.506	XOM_R2OWSG MWD+IFR1+MS
8900.000	36.590	359.721	8729.719	24.022	0.000	31.429	0.000	13.216	0.000	0.000	31.430	30.722	-2.317	XOM_R2OWSG MWD+IFR1+MS
9000.000	44.590	359.721	8805.596	21.790	0.000	31.653	0.000	13.375	0.000	0.000	31.654	30.845	-2.118	XOM_R2OWSG MWD+IFR1+MS
9100.000	52.590	359.721	8871.686	19.435	0.000	31.855	0.000	13.547	0.000	0.000	31.856	30.928	-1.927	XOM_R2OWSG MWD+IFR1+MS
9200.000	60.590	359.721	8926.704	17.168	0.000	32.036	0.000	13.743	0.000	0.000	32.036	30.975	-1.754	XOM_R2OWSG MWD+IFR1+MS

9300.000	68.590	359.721	8969.578	15.289	0.000	32.196	0.000	13.972	0.000	0.000	32.196	30.995	-1.602	XOM_R2OWSG MWD+IFR1+MS
9400.000	76.590	359.721	8999.474	14.173	0.000	32.336	0.000	14.240	0.000	0.000	32.337	30.998	-1.473	XOM_R2OWSG MWD+IFR1+MS
9500.000	84.590	359.721	9015.810	14.142	0.000	32.457	0.000	14.547	0.000	0.000	32.457	30.994	-1.366	XOM_R2OWSG MWD+IFR1+MS
9567.622	90.000	359.721	9019.000	14.775	0.000	32.525	0.000	14.775	0.000	0.000	32.526	30.994	-1.306	XOM_R2OWSG MWD+IFR1+MS
9600.000	90.000	359.721	9019.000	14.890	0.000	32.556	0.000	14.890	0.000	0.000	32.556	30.994	-1.280	XOM_R2OWSG MWD+IFR1+MS
9700.000	90.000	359.721	9019.000	15.265	0.000	32.672	0.000	15.265	0.000	0.000	32.672	30.995	-1.194	XOM_R2OWSG MWD+IFR1+MS
9800.000	90.000	359.721	9019.000	15.671	0.000	32.811	0.000	15.671	0.000	0.000	32.811	30.997	-1.107	XOM_R2OWSG MWD+IFR1+MS
9900.000	90.000	359.721	9019.000	16.105	0.000	32.972	0.000	16.105	0.000	0.000	32.973	31.000	-1.024	XOM_R2OWSG MWD+IFR1+MS
10000.000	90.000	359.721	9019.000	16.565	0.000	33.157	0.000	16.565	0.000	0.000	33.157	31.003	-0.947	XOM_R2OWSG MWD+IFR1+MS
10100.000	90.000	359.721	9019.000	17.048	0.000	33.364	0.000	17.048	0.000	0.000	33.364	31.007	-0.876	XOM_R2OWSG MWD+IFR1+MS
10200.000	90.000	359.721	9019.000	17.553	0.000	33.592	0.000	17.553	0.000	0.000	33.592	31.011	-0.811	XOM_R2OWSG MWD+IFR1+MS
10300.000	90.000	359.721	9019.000	18.079	0.000	33.842	0.000	18.079	0.000	0.000	33.842	31.017	-0.753	XOM_R2OWSG MWD+IFR1+MS
10400.000	90.000	359.721	9019.000	18.622	0.000	34.113	0.000	18.622	0.000	0.000	34.113	31.022	-0.702	XOM_R2OWSG MWD+IFR1+MS
10500.000	90.000	359.721	9019.000	19.182	0.000	34.404	0.000	19.182	0.000	0.000	34.404	31.029	-0.657	XOM_R2OWSG MWD+IFR1+MS
10600.000	90.000	359.721	9019.000	19.758	0.000	34.715	0.000	19.758	0.000	0.000	34.716	31.036	-0.616	XOM_R2OWSG MWD+IFR1+MS
10700.000	90.000	359.721	9019.000	20.347	0.000	35.046	0.000	20.347	0.000	0.000	35.046	31.044	-0.581	XOM_R2OWSG MWD+IFR1+MS
10800.000	90.000	359.721	9019.000	20.949	0.000	35.395	0.000	20.949	0.000	0.000	35.395	31.053	-0.549	XOM_R2OWSG MWD+IFR1+MS
10900.000	90.000	359.721	9019.000	21.563	0.000	35.763	0.000	21.563	0.000	0.000	35.763	31.062	-0.522	XOM_R2OWSG MWD+IFR1+MS
11000.000	90.000	359.721	9019.000	22.188	0.000	36.148	0.000	22.188	0.000	0.000	36.148	31.072	-0.497	XOM_R2OWSG MWD+IFR1+MS
11100.000	90.000	359.721	9019.000	22.823	0.000	36.551	0.000	22.823	0.000	0.000	36.551	31.083	-0.476	XOM_R2OWSG MWD+IFR1+MS

11200.000	90.000	359.721	9019.000	23.467	0.000	36.970	0.000	23.467	0.000	0.000	36.970	31.094	-0.456	XOM_R2OWSG MWD+IFR1+MS
11300.000	90.000	359.721	9019.000	24.119	0.000	37.405	0.000	24.119	0.000	0.000	37.405	31.106	-0.439	XOM_R2OWSG MWD+IFR1+MS
11400.000	90.000	359.721	9019.000	24.778	0.000	37.856	0.000	24.778	0.000	0.000	37.856	31.118	-0.424	XOM_R2OWSG MWD+IFR1+MS
11500.000	90.000	359.721	9019.000	25.445	0.000	38.321	0.000	25.445	0.000	0.000	38.321	31.132	-0.410	XOM_R2OWSG MWD+IFR1+MS
11600.000	90.000	359.721	9019.000	26.119	0.000	38.801	0.000	26.119	0.000	0.000	38.801	31.146	-0.398	XOM_R2OWSG MWD+IFR1+MS
11700.000	90.000	359.721	9019.000	26.798	0.000	39.295	0.000	26.798	0.000	0.000	39.295	31.160	-0.387	XOM_R2OWSG MWD+IFR1+MS
11800.000	90.000	359.721	9019.000	27.483	0.000	39.803	0.000	27.483	0.000	0.000	39.803	31.175	-0.377	XOM_R2OWSG MWD+IFR1+MS
11900.000	90.000	359.721	9019.000	28.174	0.000	40.323	0.000	28.174	0.000	0.000	40.323	31.191	-0.368	XOM_R2OWSG MWD+IFR1+MS
12000.000	90.000	359.721	9019.000	28.869	0.000	40.855	0.000	28.869	0.000	0.000	40.855	31.208	-0.360	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	359.721	9019.000	29.568	0.000	41.399	0.000	29.568	0.000	0.000	41.399	31.225	-0.353	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	359.721	9019.000	30.272	0.000	41.955	0.000	30.272	0.000	0.000	41.955	31.243	-0.347	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	359.721	9019.000	30.980	0.000	42.522	0.000	30.980	0.000	0.000	42.522	31.262	-0.341	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	359.721	9019.000	31.691	0.000	43.099	0.000	31.691	0.000	0.000	43.099	31.281	-0.335	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	359.721	9019.000	32.406	0.000	43.687	0.000	32.406	0.000	0.000	43.687	31.301	-0.330	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	359.721	9019.000	33.124	0.000	44.284	0.000	33.124	0.000	0.000	44.284	31.322	-0.326	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	359.721	9019.000	33.845	0.000	44.890	0.000	33.845	0.000	0.000	44.890	31.343	-0.322	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	359.721	9019.000	34.568	0.000	45.505	0.000	34.568	0.000	0.000	45.505	31.365	-0.318	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	359.721	9019.000	35.295	0.000	46.130	0.000	35.295	0.000	0.000	46.130	31.387	-0.314	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	359.721	9019.000	36.023	0.000	46.762	0.000	36.023	0.000	0.000	46.762	31.410	-0.311	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	359.721	9019.000	36.754	0.000	47.402	0.000	36.754	0.000	0.000	47.402	31.434	-0.308	XOM_R2OWSG MWD+IFR1+MS

13200.000	90.000	359.721	9019.000	37.488	0.000	48.050	0.000	37.488	0.000	0.000	48.050	31.459	-0.306	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	359.721	9019.000	38.223	0.000	48.705	0.000	38.223	0.000	0.000	48.705	31.484	-0.303	XOM_R2OWSG MWD+IFR1+MS
13400.000	90.000	359.721	9019.000	38.960	0.000	49.367	0.000	38.960	0.000	0.000	49.367	31.510	-0.301	XOM_R2OWSG MWD+IFR1+MS
13500.000	90.000	359.721	9019.000	39.699	0.000	50.036	0.000	39.699	0.000	0.000	50.036	31.536	-0.299	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	359.721	9019.000	40.440	0.000	50.711	0.000	40.440	0.000	0.000	50.711	31.563	-0.297	XOM_R2OWSG MWD+IFR1+MS
13700.000	90.000	359.721	9019.000	41.182	0.000	51.393	0.000	41.182	0.000	0.000	51.393	31.591	-0.295	XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	359.721	9019.000	41.926	0.000	52.080	0.000	41.926	0.000	0.000	52.080	31.619	-0.293	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	359.721	9019.000	42.671	0.000	52.774	0.000	42.671	0.000	0.000	52.774	31.648	-0.292	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	359.721	9019.000	43.418	0.000	53.472	0.000	43.418	0.000	0.000	53.472	31.678	-0.290	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	359.721	9019.000	44.166	0.000	54.176	0.000	44.166	0.000	0.000	54.176	31.708	-0.289	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	359.721	9019.000	44.916	0.000	54.886	0.000	44.916	0.000	0.000	54.886	31.739	-0.288	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	359.721	9019.000	45.666	0.000	55.600	0.000	45.666	0.000	0.000	55.600	31.770	-0.286	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	359.721	9019.000	46.418	0.000	56.319	0.000	46.418	0.000	0.000	56.319	31.803	-0.285	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	359.721	9019.000	47.171	0.000	57.042	0.000	47.171	0.000	0.000	57.042	31.835	-0.284	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	359.721	9019.000	47.924	0.000	57.770	0.000	47.924	0.000	0.000	57.770	31.869	-0.283	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	359.721	9019.000	48.679	0.000	58.502	0.000	48.679	0.000	0.000	58.502	31.903	-0.282	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	359.721	9019.000	49.435	0.000	59.237	0.000	49.435	0.000	0.000	59.237	31.937	-0.282	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	359.721	9019.000	50.191	0.000	59.977	0.000	50.191	0.000	0.000	59.977	31.973	-0.281	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	359.721	9019.000	50.949	0.000	60.721	0.000	50.949	0.000	0.000	60.721	32.009	-0.280	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	359.721	9019.000	51.707	0.000	61.468	0.000	51.707	0.000	0.000	61.468	32.045	-0.279	XOM_R2OWSG MWD+IFR1+MS

15200.000	90.000	359.721	9019.000	52.466	0.000	62.219	0.000	52.466	0.000	0.000	62.219	32.082	-0.279	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	359.721	9019.000	53.226	0.000	62.973	0.000	53.226	0.000	0.000	62.973	32.120	-0.278	XOM_R2OWSG MWD+IFR1+MS
15400.000	90.000	359.721	9019.000	53.986	0.000	63.730	0.000	53.986	0.000	0.000	63.730	32.158	-0.277	XOM_R2OWSG MWD+IFR1+MS
15500.000	90.000	359.721	9019.000	54.747	0.000	64.491	0.000	54.747	0.000	0.000	64.491	32.197	-0.277	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	359.721	9019.000	55.509	0.000	65.254	0.000	55.509	0.000	0.000	65.254	32.237	-0.276	XOM_R2OWSG MWD+IFR1+MS
15700.000	90.000	359.721	9019.000	56.272	0.000	66.021	0.000	56.272	0.000	0.000	66.021	32.277	-0.276	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	359.721	9019.000	57.035	0.000	66.790	0.000	57.035	0.000	0.000	66.790	32.318	-0.276	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	359.721	9019.000	57.798	0.000	67.562	0.000	57.798	0.000	0.000	67.562	32.359	-0.275	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	359.721	9019.000	58.563	0.000	68.336	0.000	58.563	0.000	0.000	68.336	32.401	-0.275	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	359.721	9019.000	59.327	0.000	69.114	0.000	59.327	0.000	0.000	69.114	32.443	-0.274	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	359.721	9019.000	60.093	0.000	69.893	0.000	60.093	0.000	0.000	69.893	32.486	-0.274	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	359.721	9019.000	60.858	0.000	70.675	0.000	60.858	0.000	0.000	70.675	32.530	-0.274	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	359.721	9019.000	61.625	0.000	71.459	0.000	61.625	0.000	0.000	71.459	32.574	-0.273	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	359.721	9019.000	62.391	0.000	72.246	0.000	62.391	0.000	0.000	72.246	32.619	-0.273	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	359.721	9019.000	63.159	0.000	73.034	0.000	63.159	0.000	0.000	73.034	32.665	-0.273	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	359.721	9019.000	63.926	0.000	73.825	0.000	63.926	0.000	0.000	73.825	32.711	-0.273	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	359.721	9019.000	64.694	0.000	74.618	0.000	64.694	0.000	0.000	74.618	32.757	-0.272	XOM_R2OWSG MWD+IFR1+MS
16900.000	90.000	359.721	9019.000	65.462	0.000	75.413	0.000	65.462	0.000	0.000	75.413	32.805	-0.272	XOM_R2OWSG MWD+IFR1+MS
17000.000	90.000	359.721	9019.000	66.231	0.000	76.209	0.000	66.231	0.000	0.000	76.209	32.852	-0.272	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	359.721	9019.000	67.000	0.000	77.007	0.000	67.000	0.000	0.000	77.007	32.901	-0.272	XOM_R2OWSG MWD+IFR1+MS

17200.000	90.000	359.721	9019.000	67.770	0.000	77.808	0.000	67.770	0.000	0.000	77.808	32.950	-0.271	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	359.721	9019.000	68.540	0.000	78.609	0.000	68.540	0.000	0.000	78.609	32.999	-0.271	XOM_R2OWSG MWD+IFR1+MS
17400.000	90.000	359.721	9019.000	69.310	0.000	79.413	0.000	69.310	0.000	0.000	79.413	33.049	-0.271	XOM_R2OWSG MWD+IFR1+MS
17500.000	90.000	359.721	9019.000	70.080	0.000	80.218	0.000	70.080	0.000	0.000	80.218	33.100	-0.271	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	359.721	9019.000	70.851	0.000	81.025	0.000	70.851	0.000	0.000	81.025	33.151	-0.271	XOM_R2OWSG MWD+IFR1+MS
17700.000	90.000	359.721	9019.000	71.622	0.000	81.833	0.000	71.622	0.000	0.000	81.833	33.203	-0.271	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	359.721	9019.000	72.394	0.000	82.643	0.000	72.394	0.000	0.000	82.643	33.255	-0.271	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	359.721	9019.000	73.165	0.000	83.454	0.000	73.165	0.000	0.000	83.454	33.308	-0.270	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	359.721	9019.000	73.937	0.000	84.267	0.000	73.937	0.000	0.000	84.267	33.361	-0.270	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	359.721	9019.000	74.710	0.000	85.081	0.000	74.710	0.000	0.000	85.081	33.415	-0.270	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	359.721	9019.000	75.482	0.000	85.896	0.000	75.482	0.000	0.000	85.896	33.469	-0.270	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	359.721	9019.000	76.255	0.000	86.712	0.000	76.255	0.000	0.000	86.712	33.524	-0.270	XOM_R2OWSG MWD+IFR1+MS
18400.000	90.000	359.721	9019.000	77.028	0.000	87.530	0.000	77.028	0.000	0.000	87.530	33.580	-0.270	XOM_R2OWSG MWD+IFR1+MS
18500.000	90.000	359.721	9019.000	77.801	0.000	88.349	0.000	77.801	0.000	0.000	88.349	33.636	-0.270	XOM_R2OWSG MWD+IFR1+MS
18600.000	90.000	359.721	9019.000	78.575	0.000	89.169	0.000	78.575	0.000	0.000	89.169	33.692	-0.270	XOM_R2OWSG MWD+IFR1+MS
18700.000	90.000	359.721	9019.000	79.348	0.000	89.990	0.000	79.348	0.000	0.000	89.990	33.749	-0.270	XOM_R2OWSG MWD+IFR1+MS
18800.000	90.000	359.721	9019.000	80.122	0.000	90.813	0.000	80.122	0.000	0.000	90.813	33.807	-0.270	XOM_R2OWSG MWD+IFR1+MS
18900.000	90.000	359.721	9019.000	80.896	0.000	91.636	0.000	80.896	0.000	0.000	91.636	33.865	-0.270	XOM_R2OWSG MWD+IFR1+MS
19000.000	90.000	359.721	9019.000	81.671	0.000	92.461	0.000	81.671	0.000	0.000	92.461	33.924	-0.270	XOM_R2OWSG MWD+IFR1+MS
19100.000	90.000	359.721	9019.000	82.445	0.000	93.286	0.000	82.445	0.000	0.000	93.286	33.983	-0.269	XOM_R2OWSG MWD+IFR1+MS

19200.000	90.000	359.721	9019.000	83.220	0.000	94.113	0.000	83.220	0.000	0.000	94.113	34.042	-0.269	XOM_R2OWSG MWD+IFR1+MS
19300.000	90.000	359.721	9019.000	83.995	0.000	94.941	0.000	83.995	0.000	0.000	94.941	34.103	-0.269	XOM_R2OWSG MWD+IFR1+MS
19400.000	90.000	359.721	9019.000	84.770	0.000	95.769	0.000	84.770	0.000	0.000	95.769	34.163	-0.269	XOM_R2OWSG MWD+IFR1+MS
19500.000	90.000	359.721	9019.000	85.545	0.000	96.598	0.000	85.545	0.000	0.000	96.598	34.225	-0.269	XOM_R2OWSG MWD+IFR1+MS
19600.000	90.000	359.721	9019.000	86.320	0.000	97.429	0.000	86.320	0.000	0.000	97.429	34.286	-0.269	XOM_R2OWSG MWD+IFR1+MS
19700.000	90.000	359.721	9019.000	87.096	0.000	98.260	0.000	87.096	0.000	0.000	98.260	34.348	-0.269	XOM_R2OWSG MWD+IFR1+MS
19800.000	90.000	359.721	9019.000	87.872	0.000	99.092	0.000	87.872	0.000	0.000	99.092	34.411	-0.269	XOM_R2OWSG MWD+IFR1+MS
19900.000	90.000	359.721	9019.000	88.648	0.000	99.925	0.000	88.648	0.000	0.000	99.925	34.474	-0.269	XOM_R2OWSG MWD+IFR1+MS
20000.000	90.000	359.721	9019.000	89.424	0.000	100.758	0.000	89.424	0.000	0.000	100.758	34.538	-0.269	XOM_R2OWSG MWD+IFR1+MS
20100.000	90.000	359.721	9019.000	90.200	0.000	101.593	0.000	90.200	0.000	0.000	101.593	34.602	-0.269	XOM_R2OWSG MWD+IFR1+MS
20159.948	90.000	359.721	9019.000	90.665	0.000	102.093	0.000	90.665	0.000	0.000	102.093	34.641	-0.269	XOM_R2OWSG MWD+IFR1+MS
20200.000	90.000	0.522	9019.000	90.976	-0.000	102.418	0.000	90.976	0.000	0.000	102.427	34.667	-0.268	XOM_R2OWSG MWD+IFR1+MS
20300.000	90.000	2.522	9019.000	91.753	-0.000	103.156	0.000	91.753	0.000	0.000	103.264	34.732	-0.253	XOM_R2OWSG MWD+IFR1+MS
20383.360	90.000	4.190	9019.000	92.400	-0.000	103.687	0.000	92.400	0.000	0.000	103.961	34.786	-0.227	XOM_R2OWSG MWD+IFR1+MS
20400.000	90.000	4.190	9019.000	92.530	-0.000	103.826	0.000	92.530	0.000	0.000	104.100	34.797	-0.221	XOM_R2OWSG MWD+IFR1+MS
20500.000	90.000	4.190	9019.000	93.306	-0.000	104.665	0.000	93.306	0.000	0.000	104.936	34.863	-0.182	XOM_R2OWSG MWD+IFR1+MS
20600.000	90.000	4.190	9019.000	94.083	-0.000	105.505	0.000	94.083	0.000	0.000	105.774	34.930	-0.144	XOM_R2OWSG MWD+IFR1+MS
20700.000	90.000	4.190	9019.000	94.860	-0.000	106.345	0.000	94.860	0.000	0.000	106.613	34.997	-0.106	XOM_R2OWSG MWD+IFR1+MS
20800.000	90.000	4.190	9019.000	95.637	-0.000	107.187	0.000	95.637	0.000	0.000	107.452	35.064	-0.070	XOM_R2OWSG MWD+IFR1+MS
20900.000	90.000	4.190	9019.000	96.415	-0.000	108.029	0.000	96.415	0.000	0.000	108.292	35.132	-0.033	XOM_R2OWSG MWD+IFR1+MS

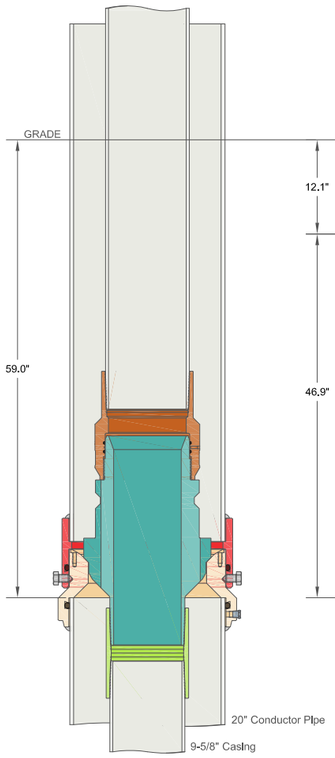
21000.000	90.000	4.190	9019.000	97.192	-0.000	108.872	0.000	97.192	0.000	0.000	109.133	35.200	0.002	XOM_R2OWSG MWD+IFR1+MS
21100.000	90.000	4.190	9019.000	97.970	-0.000	109.716	0.000	97.970	0.000	0.000	109.974	35.269	0.037	XOM_R2OWSG MWD+IFR1+MS
21200.000	90.000	4.190	9019.000	98.747	-0.000	110.560	0.000	98.747	0.000	0.000	110.817	35.338	0.072	XOM_R2OWSG MWD+IFR1+MS
21300.000	90.000	4.190	9019.000	99.525	-0.000	111.405	0.000	99.525	0.000	0.000	111.660	35.408	0.106	XOM_R2OWSG MWD+IFR1+MS
21400.000	90.000	4.190	9019.000	100.303	-0.000	112.251	0.000	100.303	0.000	0.000	112.504	35.478	0.139	XOM_R2OWSG MWD+IFR1+MS
21500.000	90.000	4.190	9019.000	101.081	-0.000	113.097	0.000	101.081	0.000	0.000	113.348	35.549	0.172	XOM_R2OWSG MWD+IFR1+MS
21600.000	90.000	4.190	9019.000	101.859	-0.000	113.944	0.000	101.859	0.000	0.000	114.193	35.620	0.204	XOM_R2OWSG MWD+IFR1+MS
21700.000	90.000	4.190	9019.000	102.637	-0.000	114.791	0.000	102.637	0.000	0.000	115.039	35.692	0.236	XOM_R2OWSG MWD+IFR1+MS
21800.000	90.000	4.190	9019.000	103.415	-0.000	115.640	0.000	103.415	0.000	0.000	115.885	35.764	0.267	XOM_R2OWSG MWD+IFR1+MS
21900.000	90.000	4.190	9019.000	104.194	-0.000	116.488	0.000	104.194	0.000	0.000	116.732	35.836	0.298	XOM_R2OWSG MWD+IFR1+MS
22000.000	90.000	4.190	9019.000	104.972	-0.000	117.338	0.000	104.972	0.000	0.000	117.580	35.909	0.329	XOM_R2OWSG MWD+IFR1+MS
22100.000	90.000	4.190	9019.000	105.751	-0.000	118.188	0.000	105.751	0.000	0.000	118.428	35.982	0.359	XOM_R2OWSG MWD+IFR1+MS
22200.000	90.000	4.190	9019.000	106.530	-0.000	119.038	0.000	106.530	0.000	0.000	119.277	36.056	0.388	XOM_R2OWSG MWD+IFR1+MS
22300.000	90.000	4.190	9019.000	107.308	-0.000	119.889	0.000	107.308	0.000	0.000	120.126	36.130	0.417	XOM_R2OWSG MWD+IFR1+MS
22400.000	90.000	4.190	9019.000	108.087	-0.000	120.741	0.000	108.087	0.000	0.000	120.976	36.205	0.446	XOM_R2OWSG MWD+IFR1+MS
22500.000	90.000	4.190	9019.000	108.866	-0.000	121.593	0.000	108.866	0.000	0.000	121.826	36.280	0.474	XOM_R2OWSG MWD+IFR1+MS
22600.000	90.000	4.190	9019.000	109.645	-0.000	122.445	0.000	109.645	0.000	0.000	122.677	36.355	0.502	XOM_R2OWSG MWD+IFR1+MS
22700.000	90.000	4.190	9019.000	110.424	-0.000	123.299	0.000	110.424	0.000	0.000	123.529	36.431	0.529	XOM_R2OWSG MWD+IFR1+MS
22800.000	90.000	4.190	9019.000	111.203	-0.000	124.152	0.000	111.203	0.000	0.000	124.381	36.507	0.556	XOM_R2OWSG MWD+IFR1+MS
22900.000	90.000	4.190	9019.000	111.983	-0.000	125.006	0.000	111.983	0.000	0.000	125.233	36.584	0.582	XOM_R2OWSG MWD+IFR1+MS

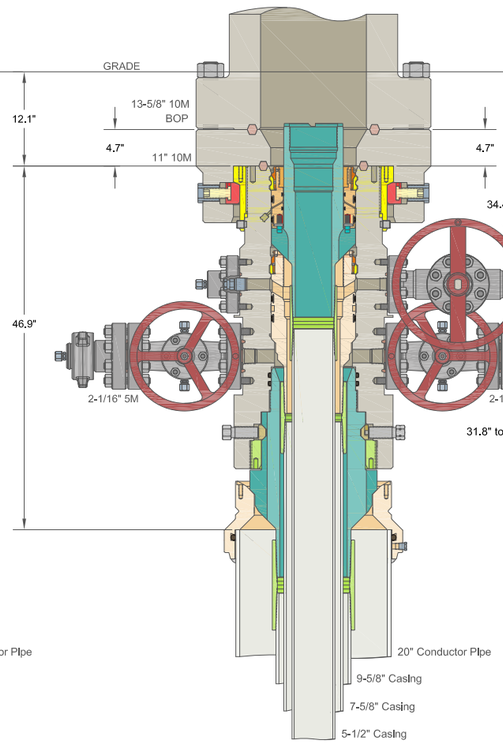
23000.000	90.000	4.190	9019.000	112.762	-0.000	125.861	0.000	112.762	0.000	0.000	126.086	36.661	0.609	XOM_R2OWSG MWD+IFR1+MS
23100.000	90.000	4.190	9019.000	113.541	-0.000	126.716	0.000	113.541	0.000	0.000	126.940	36.739	0.634	XOM_R2OWSG MWD+IFR1+MS
23200.000	90.000	4.190	9019.000	114.321	-0.000	127.571	0.000	114.321	0.000	0.000	127.794	36.817	0.660	XOM_R2OWSG MWD+IFR1+MS
23300.000	90.000	4.190	9019.000	115.100	-0.000	128.427	0.000	115.100	0.000	0.000	128.648	36.895	0.685	XOM_R2OWSG MWD+IFR1+MS
23400.000	90.000	4.190	9019.000	115.880	-0.000	129.284	0.000	115.880	0.000	0.000	129.503	36.974	0.710	XOM_R2OWSG MWD+IFR1+MS
23500.000	90.000	4.190	9019.000	116.660	-0.000	130.140	0.000	116.660	0.000	0.000	130.358	37.053	0.734	XOM_R2OWSG MWD+IFR1+MS
23600.000	90.000	4.190	9019.000	117.439	-0.000	130.997	0.000	117.439	0.000	0.000	131.214	37.132	0.758	XOM_R2OWSG MWD+IFR1+MS
23700.000	90.000	4.190	9019.000	118.219	-0.000	131.855	0.000	118.219	0.000	0.000	132.070	37.212	0.782	XOM_R2OWSG MWD+IFR1+MS
23800.000	90.000	4.190	9019.000	118.999	-0.000	132.713	0.000	118.999	0.000	0.000	132.927	37.293	0.805	XOM_R2OWSG MWD+IFR1+MS
23900.000	90.000	4.190	9019.000	119.779	-0.000	133.571	0.000	119.779	0.000	0.000	133.784	37.373	0.828	XOM_R2OWSG MWD+IFR1+MS
24000.000	90.000	4.190	9019.000	120.559	-0.000	134.430	0.000	120.559	0.000	0.000	134.641	37.454	0.851	XOM_R2OWSG MWD+IFR1+MS
24100.000	90.000	4.190	9019.000	121.339	-0.000	135.289	0.000	121.339	0.000	0.000	135.499	37.536	0.874	XOM_R2OWSG MWD+IFR1+MS
24200.000	90.000	4.190	9019.000	122.119	-0.000	136.149	0.000	122.119	0.000	0.000	136.357	37.618	0.896	XOM_R2OWSG MWD+IFR1+MS
24300.000	90.000	4.190	9019.000	122.899	-0.000	137.009	0.000	122.899	0.000	0.000	137.216	37.700	0.918	XOM_R2OWSG MWD+IFR1+MS
24400.000	90.000	4.190	9019.000	123.680	-0.000	137.869	0.000	123.680	0.000	0.000	138.075	37.783	0.939	XOM_R2OWSG MWD+IFR1+MS
24500.000	90.000	4.190	9019.000	124.460	-0.000	138.730	0.000	124.460	0.000	0.000	138.934	37.866	0.961	XOM_R2OWSG MWD+IFR1+MS
24600.000	90.000	4.190	9019.000	125.240	-0.000	139.591	0.000	125.240	0.000	0.000	139.793	37.949	0.982	XOM_R2OWSG MWD+IFR1+MS
24700.000	90.000	4.190	9019.000	126.021	-0.000	140.452	0.000	126.021	0.000	0.000	140.654	38.033	1.003	XOM_R2OWSG MWD+IFR1+MS
24800.000	90.000	4.190	9019.000	126.801	-0.000	141.314	0.000	126.801	0.000	0.000	141.514	38.117	1.023	XOM_R2OWSG MWD+IFR1+MS
24900.000	90.000	4.190	9019.000	127.582	-0.000	142.175	0.000	127.582	0.000	0.000	142.375	38.201	1.043	XOM_R2OWSG MWD+IFR1+MS

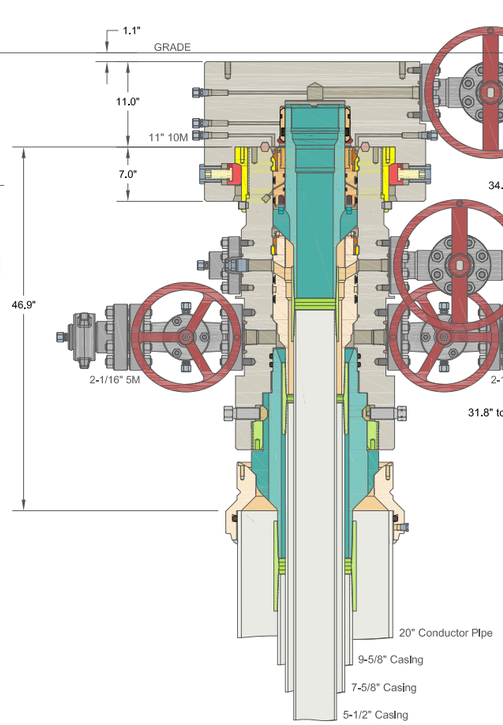
25000.000	90.000	4.190	9019.000	128.362	-0.000	143.038	0.000	128.362	0.000	0.000	143.236	38.286	1.063	XOM_R2OWSG MWD+IFR1+MS
25100.000	90.000	4.190	9019.000	129.143	-0.000	143.900	0.000	129.143	0.000	0.000	144.097	38.371	1.083	XOM_R2OWSG MWD+IFR1+MS
25200.000	90.000	4.190	9019.000	129.924	-0.000	144.763	0.000	129.924	0.000	0.000	144.959	38.457	1.103	XOM_R2OWSG MWD+IFR1+MS
25240.815	90.000	4.190	9019.000	130.242	-0.000	145.115	0.000	130.242	0.000	0.000	145.310	38.492	1.111	XOM_R2OWSG MWD+IFR1+MS
25290.848	90.000	4.190	9019.000	130.633	-0.000	145.547	0.000	130.633	0.000	0.000	145.741	38.535	1.120	XOM_R2OWSG MWD+IFR1+MS

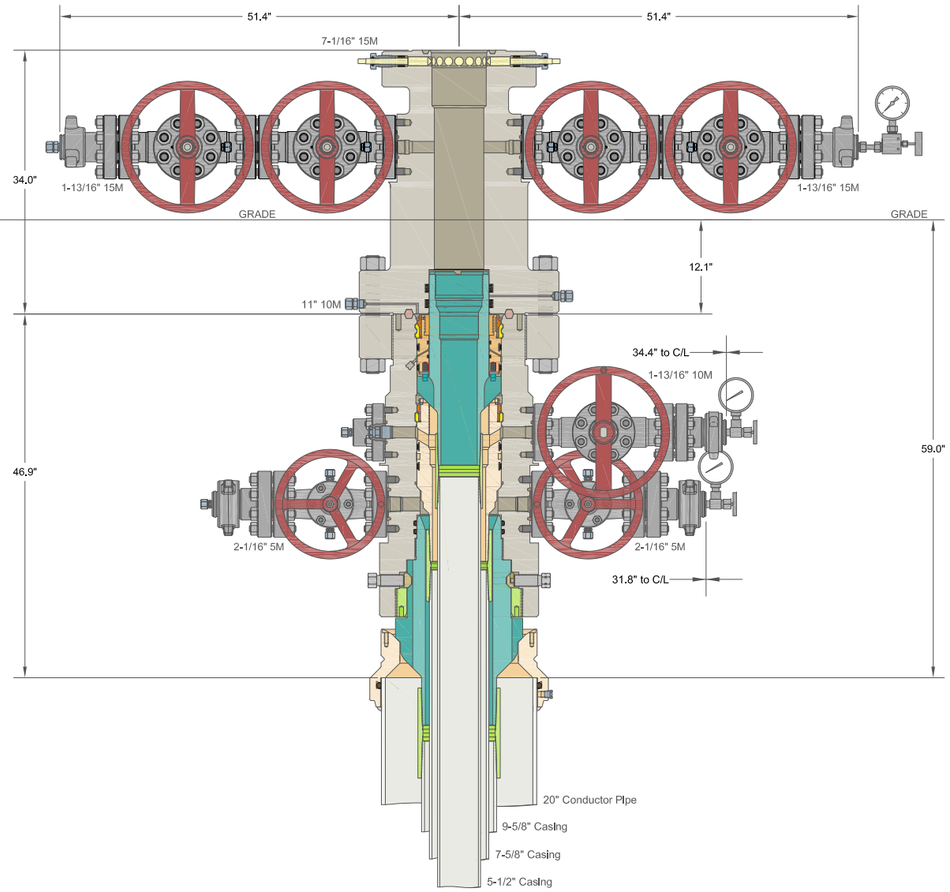
Plan Targets Corral 17-5 Fed Com 801H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
801H BHL	25290.84	424348.20	599987.10	6033.00	CIRCLE
801H LTP	25240.82	424298.30	599983.50	6033.00	CIRCLE
801H Mid	20159.95	419230.60	599621.00	6033.00	CIRCLE
801H FTP	9567.60	408638.40	599672.50	6033.00	CIRCLE









ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead
With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head
And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers

DRAWN	VJK	31MAR22
APPRV		
DRAWING NO.	HBE0000479	

U. S. Steel Tubular Products

11/8/2023 1:08:50 PM

5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-FREEDOM HTQ®

MECHANICAL PROPERTIES	Pipe	USS-FREEDOM HTQ®		--
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Outside Diameter	5.500	6.300	in.	--
Wall Thickness	0.361	--	in.	--
Inside Diameter	4.778	4.778	in.	--
Standard Drift	4.653	4.653	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	20.00	--	lb/ft	--
Plain End Weight	19.83	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Critical Area	5.828	5.828	sq. in.	--
Joint Efficiency	--	100.0	%	--
PERFORMANCE	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Minimum Collapse Pressure	11,100	11,100	psi	--
Minimum Internal Yield Pressure	12,640	12,640	psi	--
Minimum Pipe Body Yield Strength	641,000	--	lb	--
Joint Strength	--	641,000	lb	--
Compression Rating	--	641,000	lb	--
Reference Length [4]	--	21,370	ft	--
Maximum Uniaxial Bend Rating [2]	--	91.7	deg/100 ft	--
MAKE-UP DATA	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Make-Up Loss	--	4.13	in.	--
Minimum Make-Up Torque [3]	--	15,000	ft-lb	--
Maximum Make-Up Torque [3]	--	21,000	ft-lb	--
Maximum Operating Torque[3]	--	29,500	ft-lb	--

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Uniaxial bending rating shown is structural only, and equal to compression efficiency.
3. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
4. Reference length is calculated by joint strength divided by plain end weight with 1.5 safety factor.

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

U. S. Steel Tubular Products

11/29/2021 4:16:04 PM

5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-TALON HTQ™ RD

MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™ RD		[6]
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Outside Diameter	5.500	5.900	in.	--
Wall Thickness	0.361	--	in.	--
Inside Diameter	4.778	4.778	in.	--
Standard Drift	4.653	4.653	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	20.00	--	lb/ft	--
Plain End Weight	19.83	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Critical Area	5.828	5.828	sq. in.	--
Joint Efficiency	--	100.0	%	[2]
PERFORMANCE	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Minimum Collapse Pressure	11,100	11,100	psi	--
Minimum Internal Yield Pressure	12,640	12,640	psi	--
Minimum Pipe Body Yield Strength	641,000	--	lb	--
Joint Strength	--	641,000	lb	--
Compression Rating	--	641,000	lb	--
Reference Length	--	21,370	ft	[5]
Maximum Uniaxial Bend Rating	--	91.7	deg/100 ft	[3]
MAKE-UP DATA	**Pipe**	**USS-TALON HTQ™ RD**		**--**
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	17,000	ft-lb	[4]
Maximum Make-Up Torque	--	20,000	ft-lb	[4]
Maximum Operating Torque	--	39,500	ft-lb	[4]

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bend rating shown is structural only.
4. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5. Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
6. Coupling must meet minimum mechanical properties of the pipe.

U. S. Steel Tubular Products
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Spring, Texas 77380

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BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
7603 Prairie Oak Dr.
Houston, TX. 77086

PHONE: +1 (281) 602-4100
FAX: +1 (281) 602-4147
EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

NEW CHOKE HOSE
INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

This is to verify that the items detailed below meet the requirements of the Customer's Purchase Order referenced herein, and are in Conformance with applicable specifications, and that Records of Required Tests are on file and subject to examination. The following items were inspected and hydrostatically tested at **Gates Engineering & Services North America** facilities in Houston, TX, USA.

CUSTOMER:	NABORS DRILLING TECHNOLOGIES USA DBA NABORS DRILLING USA
CUSTOMER P.O.#:	15582803 (TAG NABORS PO #15582803 SN 74621 ASSET 66-1531)
CUSTOMER P/N:	IMR RETEST SN 74621 ASSET #66-1531
PART DESCRIPTION:	RETEST OF CUSTOMER 3" X 45 FT 16C CHOKE & KILL HOSE ASSEMBLY C/W 4 1/16" 10K FLANGES
SALES ORDER #:	529480
QUANTITY:	1
SERIAL #:	74621 H3-012524-1

SIGNATURE: F. OSPINOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

H3-15716

1/25/2024 11:48:06 AM

TEST REPORT

CUSTOMER

Company:	Nabors Industries Inc.
Production description:	74621/66-1531
Sales order #:	529480
Customer reference:	FG1213

TEST OBJECT

Serial number:	H3-012524-1
Lot number:	
Description:	74621/66-1531
Hose ID:	3" 16C CK
Part number:	

TEST INFORMATION

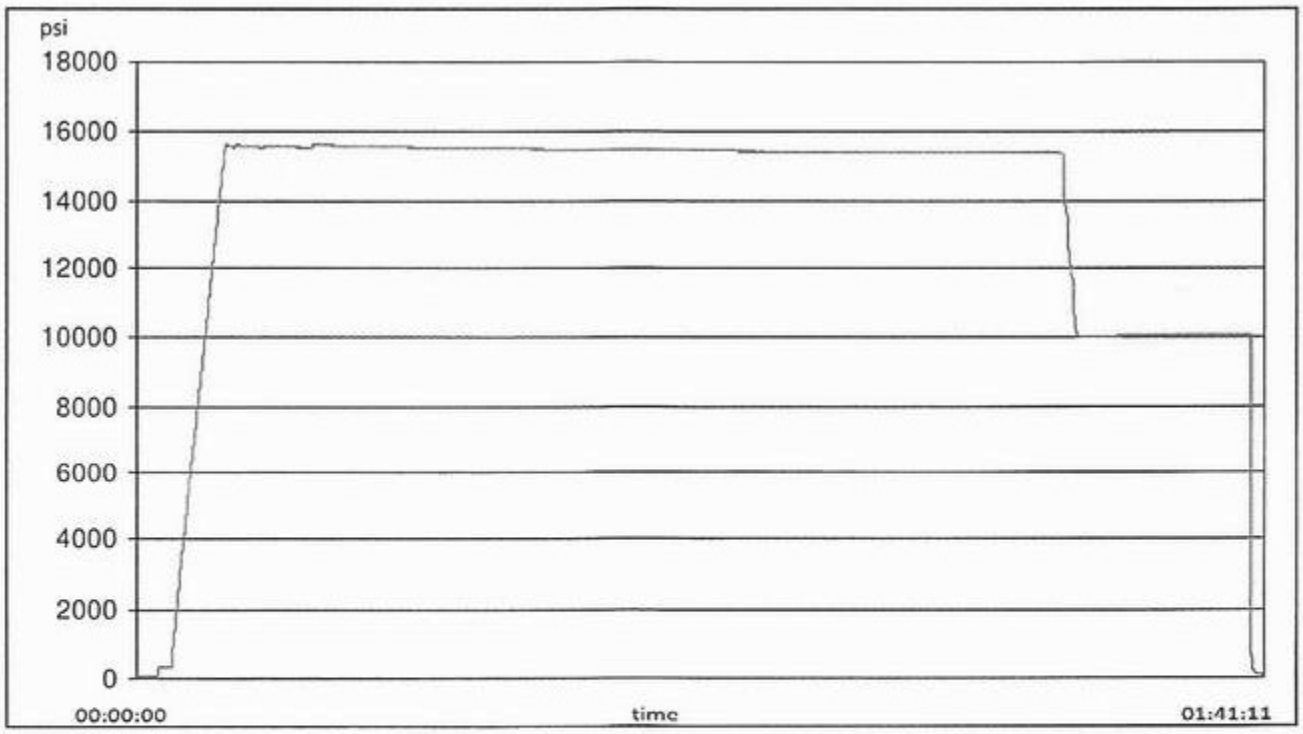
Test procedure:	GTS-04-053	
Test pressure:	15000.00	psi
Test pressure hold:	3600.00	sec
Work pressure:	10000.00	psi
Work pressure hold:	900.00	sec
Length difference:	0.00	%
Length difference:	0.00	inch

Fitting 1:	3.0 x 4-1/16 10K
Part number:	
Description:	
Fitting 2:	3.0 x 4-1/16 10K
Part number:	
Description:	

Length:	45	feet

Visual check:	
Pressure test result:	PASS
Length measurement result:	

Test operator: Travis



H3-15/16

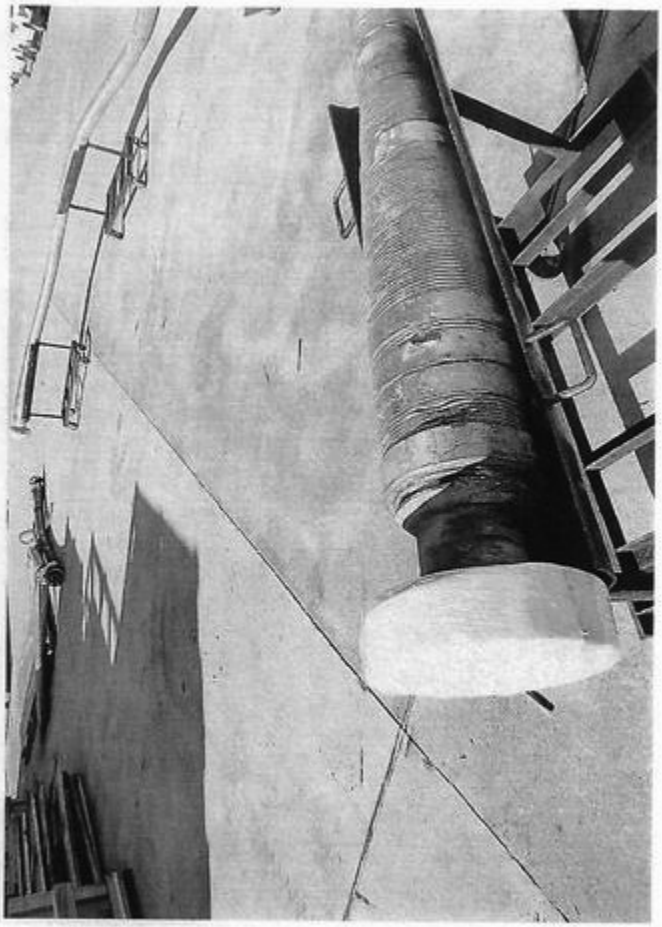
1/25/2024 11:48:06 AM

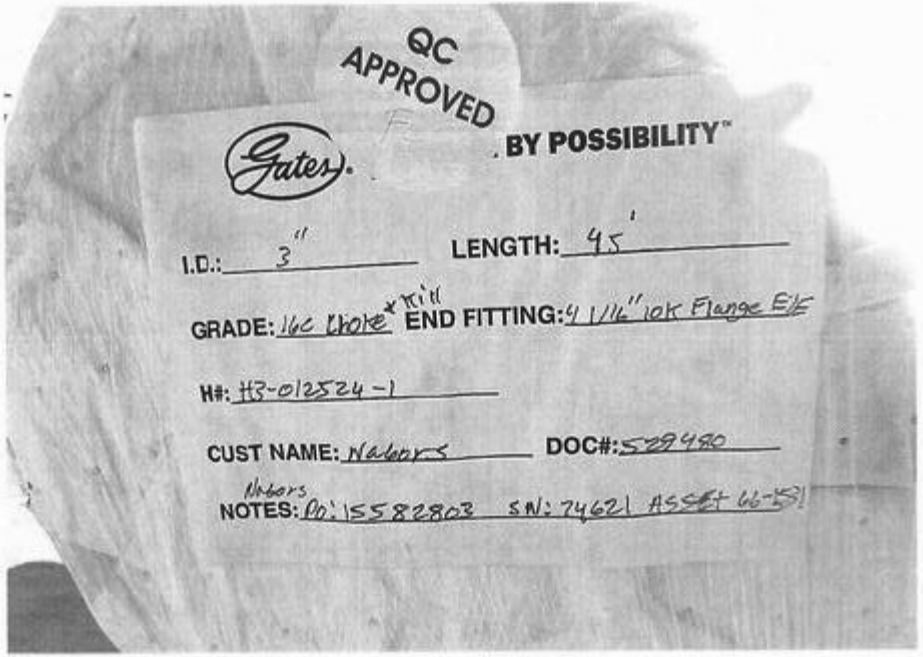
TEST REPORT

GAUGE TRACEABILITY

Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16

Comment





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

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

CONDITIONS

Action 372022

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 372022
	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.	8/16/2024