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|--------------------------------|---|-----------------------------------|
| Well Name: CORRAL 17-8 FED COM | Well Location: T25S / R29E / SEC 17 / SWSW / 32.12411 / -104.012918 | County or Parish/State: EDDY / NM |
| Well Number: 161H | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMNM99147 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 3001555133 | Operator: XTO ENERGY INCORPORATED | |

Notice of Intent

Sundry ID: 2797644

| | |
|--|------------------------------|
| Type of Submission: Notice of Intent | Type of Action: APD Change |
| Date Sundry Submitted: 06/27/2024 | Time Sundry Submitted: 02:21 |
| Date proposed operation will begin: 07/11/2024 | |

Procedure Description: This request is for the well formally known as CORRAL CANYON 17-8 FEDERAL 161H and currently CORRAL 17-8 FED COM 161H. The API number for this well is 30-015-55133. XTO Energy Incorporated respectfully requests approval to make the following changes to the approved APD. Changes to include LTP, BHL, & Proposed total Depth. FROM: TO: LTP: 2446' FSL & 540' FWL OF SECTION 8-T25S-R29E 2546' FSL & 540' FWL OF SECTION 8-T25S-R29E BHL: 2596' FSL & 540' FWL OF SECTION 8-T25S-R29E 2596' FSL & 540' FWL OF SECTION 8-T25S-R29E The proposed total depth is changing from 18578' MD; 10654' TVD (Wolfcamp) to 18791' MD; 10726' TVD (Wolfcamp D/E). 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_161H_Sundry_Documents_20240813100424.pdf

Well Name: CORRAL 17-8 FED COM

Well Location: T25S / R29E / SEC 17 / SWSW / 32.12411 / -104.012918

County or Parish/State: EDDY / NM

Well Number: 161H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM99147

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001555133

Operator: XTO ENERGY INCORPORATED

Conditions of Approval

Additional

Corral__17_8_Fed_Com_161H_COA_20240814110718.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: JENA AUSTIN

Signed on: AUG 13, 2024 10:05 AM

Name: XTO ENERGY INCORPORATED

Title: Regulatory Analyst

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING

State: TX

Phone: (346) 335-5295

Email address: JENA.N.AUSTIN@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: 08/14/2024

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.

| | |
|---|------------------------------|
| 5. Lease Serial No. | |
| 6. If Indian, Allottee or Tribe Name | |
| 7. If Unit of CA/Agreement, Name and/or No. | |
| 8. Well Name and No. | |
| 9. API Well No. | |
| 10. Field and Pool or Exploratory Area | 11. Country or Parish, State |

| | |
|---|-----------------------------------|
| SUBMIT IN TRIPLICATE - Other instructions on page 2 | |
| 1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | |
| 2. Name of Operator | |
| 3a. Address | 3b. Phone No. (include area code) |
| 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) | |

| 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA | | | | |
|--|---|---|--|---|
| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> 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 recompleate 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 OFFICE 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 of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

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 / 434 FSL / 690 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.12411 / LONG: -104.012918 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 330 FSL / 540 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.12383 / LONG: -104.013401 (TVD: 10654 feet, MD: 11100 feet)

PPP: SWNW / 330 FSL / 540 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.13562 / LONG: -104.00878 (TVD: 10654 feet, MD: 13800 feet)

BHL: NWSW / 2596 FSL / 540 FWL / TWSP: 25S / RANGE: 29E / SECTION: 8 / LAT: 32.144631 / LONG: -104.013491 (TVD: 10654 feet, MD: 18578 feet)

CONFIDENTIAL

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

| | |
|-----------------------------|------------------------------|
| OPERATOR'S NAME: | XTO Energy Incorporated |
| WELL NAME & NO.: | Corral 17-8 Federal Com 161H |
| LOCATION: | Sec 17-25S-29E-NMP |
| COUNTY: | Eddy County, New Mexico |

*Previously known as **Corral Canyon 17-8 Federal 161H** _____. Changes approved through engineering via **Sundry 2797644**__ on **8-14-2024**. Any previous COAs not addressed within the updated COAs still apply.*

COA

| | | | | |
|--|---|---|---|--|
| H₂S | <input checked="" type="radio"/> No | <input type="radio"/> Yes | | |
| Potash / WIPP | <input checked="" type="radio"/> None | <input type="radio"/> Secretary | <input type="radio"/> R-111-P | <input type="checkbox"/> WIPP |
| Cave / Karst | <input type="radio"/> Low | <input checked="" type="radio"/> Medium | <input type="radio"/> High | <input type="radio"/> Critical |
| Wellhead | <input type="radio"/> Conventional | <input checked="" type="radio"/> Multibowl | <input type="radio"/> Both | <input type="radio"/> Diverter |
| Cementing | <input type="checkbox"/> Primary Squeeze | <input checked="" type="checkbox"/> Cont. Squeeze | <input checked="" type="checkbox"/> EchoMeter | <input type="checkbox"/> DV Tool |
| Special Req | <input checked="" type="checkbox"/> Break Testing | <input type="checkbox"/> Water Disposal | <input type="checkbox"/> COM | <input checked="" type="checkbox"/> Unit |
| Variance | <input checked="" type="checkbox"/> Flex Hose | <input type="checkbox"/> Casing Clearance | <input type="checkbox"/> Pilot Hole | <input type="checkbox"/> Capitan Reef |
| Variance | <input type="checkbox"/> Four-String | <input checked="" type="checkbox"/> Offline Cementing | <input type="checkbox"/> Fluid-Filled | <input type="checkbox"/> Open Annulus |
| <input type="checkbox"/> Batch APD / Sundry | | | | |

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H₂S) monitors shall be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately 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. ***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 **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**
 - b. Second stage:
 - Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, Capitan Reef, or potash.**
- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

Operator has proposed to pump down 9-5/8" X 7-5/8" annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus OR operator shall run a CBL from TD of the 7-5/8" casing to surface after the second stage BH to verify TOC.

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out.

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

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
- Cement should tie-back at least **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, Capitan Reef, or potash.**

C. PRESSURE CONTROL**Operator shall have 3 a Double Ram and a Pipe Ram with pressure rating of 10M**

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 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-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**

WELL LOCATION AND ACREAGE DEDICATION PLAT

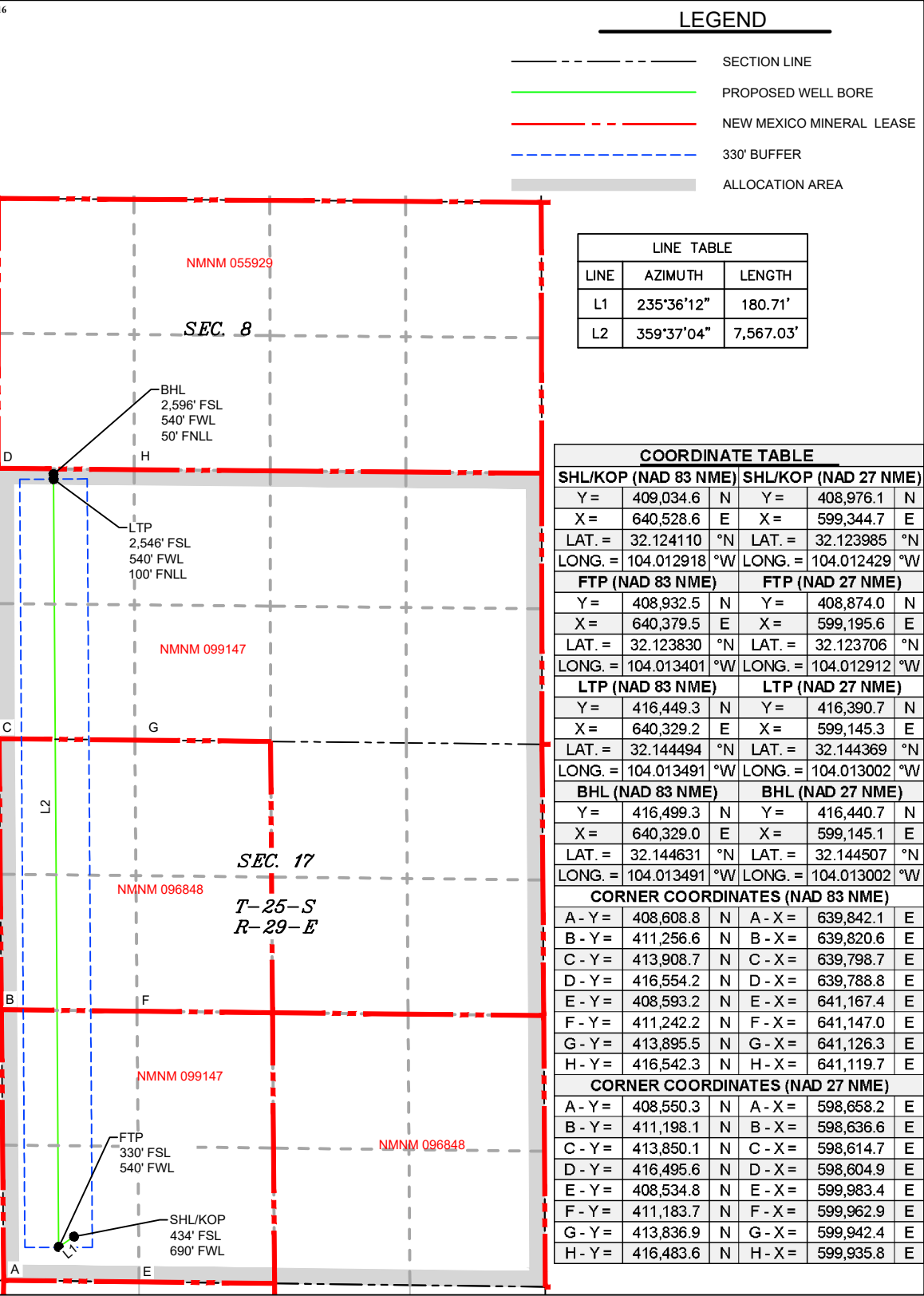
| | | |
|---|---|---|
| ¹ API Number 30-015-55133 | ² Pool Code 98220 | ³ Pool Name PURPLE SAGE, WOLFCAMP (GAS) |
| ⁴ Property Code | ⁵ Property Name CORRAL 17-8 FED COM | ⁶ Well Number 161H |
| ⁷ OGRID No. 005380 | ⁸ Operator Name XTO ENERGY, INC | ⁹ Elevation 2,948' |

| | | | | | | | | | |
|--------------------------------|---------------|------------------|---------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|
| ¹⁰ Surface Location | | | | | | | | | |
| UL or lot no. M | Section 17 | Township 25 S | Range 29 E | Lot Idn | Feet from the 434 | North/South line SOUTH | Feet from the 690 | East/West line WEST | County EDDY |

| | | | | | | | | | |
|--|--------------|------------------|---------------|---------|------------------------|---------------------------|----------------------|------------------------|----------------|
| ¹¹ Bottom Hole Location If Different From Surface | | | | | | | | | |
| UL or lot no. L | Section 8 | Township 25 S | Range 29 E | Lot Idn | Feet from the 2,596 | North/South line SOUTH | Feet from the 540 | East/West line WEST | County EDDY |

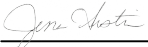
| | | | |
|---|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 960.00 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|---|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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.

 7/11/2024
Signature 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

CC/AI 618.013013.03-12

Intent ☒ As Drilled ☐

| | | |
|--|---|----------------------------|
| API # 30015 | | |
| Operator Name: XTO ENERGY, INC | Property Name: Coral 17-8 Fed Com | Well Number 161H |

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 M | Section 17 | Township 25S | Range 29E | Lot | Feet 330 | From N/S South | Feet 540 | From E/W West | County Eddy |
| Latitude 32.123830 | | | | | Longitude 104.013401 | | | | NAD 83 |

Last Take Point (LTP)

| | | | | | | | | | |
|------------------------------|---------------------|------------------------|---------------------|-----|--------------------------------|--------------------------|--------------------|-------------------------|-----------------------|
| UL L | Section 8 | Township 25S | Range 29E | Lot | Feet 2,596 | From N/S South | Feet 540 | From E/W West | County Eddy |
| Latitude 32.144494 | | | | | Longitude 104.013491 | | | | NAD 83 |

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 - 8 FED COM 161H

Projected TD: 18791.33' MD / 10726' TVD

SHL: 434' FSL & 690' FWL , Section 17, T25S, R29E

BHL: 2596' FSL & 540' FWL , Section 8, 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 | 581' | Water |
| Base of Salt | 2658' | Water |
| Delaware | 2858' | Water |
| Brushy Canyon | 5350' | Water/Oil/Gas |
| Bone Spring | 6557' | Water |
| 1st Bone Spring | 7338' | Water/Oil/Gas |
| 2nd Bone Spring | 7787' | Water/Oil/Gas |
| 3rd Bone Spring | 8618' | Water/Oil/Gas |
| Wolfcamp | 9774' | Water/Oil/Gas |
| Wolfcamp X | 9797' | Water/Oil/Gas |
| Wolfcamp Y | 9873' | Water/Oil/Gas |
| Wolfcamp A | 9913' | Water/Oil/Gas |
| Wolfcamp B | 10240' | Water/Oil/Gas |
| Wolfcamp D | 10626' | Water/Oil/Gas |
| Target/Land Curve | 10726' | 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 @ 546' (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 9900.22' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 18791.33 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9600.22 feet).

3. Casing Design

| Hole Size | Depth | OD Csg | Weight | Grade | Collar | New/Used | SF Burst | SF Collapse | SF Tension |
|-----------|----------------------|--------|--------|----------|--------------|----------|----------|-------------|------------|
| 12.25 | 0' – 546' | 9.625 | 40 | J-55 | BTC | New | 1.61 | 11.40 | 28.85 |
| 8.75 | 0' – 4000' | 7.625 | 29.7 | RY P-110 | Flush Joint | New | 1.93 | 2.86 | 1.90 |
| 8.75 | 4000' – 9900.22' | 7.625 | 29.7 | HC L-80 | Flush Joint | New | 1.41 | 2.31 | 2.32 |
| 6.75 | 0' – 9800.22' | 5.5 | 20 | RY P-110 | Semi-Premium | New | 1.26 | 1.68 | 2.31 |
| 6.75 | 9800.22' - 18791.33' | 5.5 | 20 | RY P-110 | Semi-Flush | New | 1.26 | 1.53 | 2.31 |

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

Wellhead:

Permanent Wellhead – Multibowl System

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 546'

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 +/- 9900.22'

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

TOC: Brushy Canyon @ 5350

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 (5350') 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 +/- 18791.33'

Lead: 20 sxs NeoCem (mixed at 13.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 9600.22 feet

Tail: 620 sxs VersaCem (mixed at 14.8 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 10100.22 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 Hydral and a 13-5/8" minimum 10M Double Ram BOP.

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the rated working pressure. When nipping up on the 9.625, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M 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. 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' - 546' | 12.25 | FW/Native | 8.5-9 | 35-40 | NC | Fresh water or Native water |
| 546' - 9900.22' | 8.75 | Saturated brine for salt interval / direct Emulsion | 10-10.5 | 30-32 | NC | Fully saturated salt across salado / salt |
| 9900.22' - 18791.33' | 6.75 | OBM | 13-13.5 | 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 170 to 190 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 7251 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 17-8 Fed Com 161H

Measured Depth: 18791.83 ft

TVD RKB: 10726.00 ft

Location

Cartographic Reference System: New Mexico East - NAD 27

Northing: 408976.10 ft

Easting: 599344.70 ft

RKB: 2981.00 ft

Ground Level: 2948.00 ft

North Reference: Grid

Convergence Angle: 0.17 Deg

Plan Sections

Corral 17-8 Fed Com 161H

| Measured | | | | TVD | | | Build | Turn | Dogleg | | |
|----------|-------------|---------|----------|----------|----------|-------------|-------------|-------------|----------|--|--|
| Depth | Inclination | Azimuth | RKB | Y Offset | X Offset | Rate | Rate | Rate | Target | | |
| (ft) | (Deg) | (Deg) | (ft) | (ft) | (ft) | (Deg/100ft) | (Deg/100ft) | (Deg/100ft) | | | |
| 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 | | | |
| 1761.22 | 13.22 | 190.00 | 1755.36 | -74.81 | -13.19 | 2.00 | 0.00 | 2.00 | | | |
| 4729.20 | 13.22 | 190.00 | 4644.64 | -743.47 | -131.11 | 0.00 | 0.00 | 0.00 | | | |
| 5390.42 | 0.00 | 0.00 | 5300.00 | -818.28 | -144.31 | -2.00 | 0.00 | 2.00 | | | |
| 10100.22 | 0.00 | 0.00 | 10009.80 | -818.28 | -144.31 | 0.00 | 0.00 | 0.00 | | | |
| 11225.22 | 90.00 | 359.62 | 10726.00 | -102.10 | -149.10 | 8.00 | 0.00 | 8.00 | 161H FTP | | |
| 18742.09 | 90.00 | 359.62 | 10726.00 | 7414.60 | -199.40 | 0.00 | 0.00 | 0.00 | 161H LTP | | |
| 18791.83 | 90.00 | 359.62 | 10726.00 | 7464.35 | -199.73 | 0.00 | 0.00 | 0.00 | 161H BHL | | |

Position Uncertainty

Corral 17-8 Fed Com 161H

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

| Depth | Inclination | Azimuth | RKB | Error | Bias | Error | Bias | Error | Bias | of Bias | Error | Error | Azimuth | Used |
|----------|-------------|---------|----------|-------|--------|-------|-------|-------|-------|---------|-------|-------|---------|---------------------------|
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | |
| 0.000 | 0.000 | 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 | 2.479 | 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 | 190.002 | 1199.980 | 4.277 | -0.000 | 4.109 | 0.000 | 2.680 | 0.000 | 0.000 | 4.284 | 4.104 | 89.997 | XOM_R2OWSG MWD+IFR1+MS |
| 1300.000 | 4.000 | 190.002 | 1299.838 | 4.597 | -0.000 | 4.435 | 0.000 | 2.737 | 0.000 | 0.000 | 4.613 | 4.429 | 90.031 | XOM_R2OWSG MWD+IFR1+MS |
| 1400.000 | 6.000 | 190.002 | 1399.452 | 4.917 | -0.000 | 4.765 | 0.000 | 2.794 | 0.000 | 0.000 | 4.946 | 4.759 | 90.037 | XOM_R2OWSG MWD+IFR1+MS |
| 1500.000 | 8.000 | 190.002 | 1498.702 | 5.236 | -0.000 | 5.100 | 0.000 | 2.853 | 0.000 | 0.000 | 5.283 | 5.094 | 89.970 | XOM_R2OWSG MWD+IFR1+MS |
| 1600.000 | 10.000 | 190.002 | 1597.465 | 5.553 | -0.000 | 5.440 | 0.000 | 2.913 | 0.000 | 0.000 | 5.623 | 5.434 | 89.784 | XOM_R2OWSG MWD+IFR1+MS |
| 1700.000 | 12.000 | 190.002 | 1695.623 | 5.868 | -0.000 | 5.787 | 0.000 | 2.975 | 0.000 | 0.000 | 5.966 | 5.781 | 89.426 | XOM_R2OWSG MWD+IFR1+MS |
| 1761.219 | 13.224 | 190.002 | 1755.363 | 6.060 | -0.000 | 6.002 | 0.000 | 3.013 | 0.000 | 0.000 | 6.178 | 5.996 | 89.189 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|----------|--------|---------|----------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|---------------------------|
| 1800.000 | 13.224 | 190.002 | 1793.116 | 6.196 | -0.000 | 6.140 | 0.000 | 3.040 | 0.000 | 0.000 | 6.312 | 6.133 | 88.929 | XOM_R2OWSG MWD+IFR1+MS |
| 1900.000 | 13.224 | 190.002 | 1890.465 | 6.550 | -0.000 | 6.500 | 0.000 | 3.122 | 0.000 | 0.000 | 6.657 | 6.493 | 87.719 | XOM_R2OWSG MWD+IFR1+MS |
| 2000.000 | 13.224 | 190.002 | 1987.813 | 6.908 | -0.000 | 6.866 | 0.000 | 3.209 | 0.000 | 0.000 | 7.005 | 6.858 | 86.201 | XOM_R2OWSG MWD+IFR1+MS |
| 2100.000 | 13.224 | 190.002 | 2085.161 | 7.269 | -0.000 | 7.237 | 0.000 | 3.299 | 0.000 | 0.000 | 7.357 | 7.227 | 84.237 | XOM_R2OWSG MWD+IFR1+MS |
| 2200.000 | 13.224 | 190.002 | 2182.509 | 7.634 | -0.000 | 7.612 | 0.000 | 3.392 | 0.000 | 0.000 | 7.713 | 7.600 | 81.608 | XOM_R2OWSG MWD+IFR1+MS |
| 2300.000 | 13.224 | 190.002 | 2279.857 | 8.001 | -0.000 | 7.990 | 0.000 | 3.488 | 0.000 | 0.000 | 8.073 | 7.976 | 77.967 | XOM_R2OWSG MWD+IFR1+MS |
| 2400.000 | 13.224 | 190.002 | 2377.205 | 8.371 | -0.000 | 8.371 | 0.000 | 3.588 | 0.000 | 0.000 | 8.435 | 8.354 | 72.788 | XOM_R2OWSG MWD+IFR1+MS |
| 2500.000 | 13.224 | 190.002 | 2474.554 | 8.743 | -0.000 | 8.755 | 0.000 | 3.690 | 0.000 | 0.000 | 8.802 | 8.733 | 65.457 | XOM_R2OWSG MWD+IFR1+MS |
| 2600.000 | 13.224 | 190.002 | 2571.902 | 9.117 | -0.000 | 9.141 | 0.000 | 3.795 | 0.000 | 0.000 | 9.174 | 9.110 | 55.909 | XOM_R2OWSG MWD+IFR1+MS |
| 2700.000 | 13.224 | 190.002 | 2669.250 | 9.492 | -0.000 | 9.529 | 0.000 | 3.902 | 0.000 | 0.000 | 9.552 | 9.486 | 45.662 | XOM_R2OWSG MWD+IFR1+MS |
| 2800.000 | 13.224 | 190.002 | 2766.598 | 9.869 | -0.000 | 9.919 | 0.000 | 4.011 | 0.000 | 0.000 | 9.935 | 9.859 | 36.948 | XOM_R2OWSG MWD+IFR1+MS |
| 2900.000 | 13.224 | 190.002 | 2863.946 | 10.247 | -0.000 | 10.311 | 0.000 | 4.123 | 0.000 | 0.000 | 10.322 | 10.231 | 30.571 | XOM_R2OWSG MWD+IFR1+MS |
| 3000.000 | 13.224 | 190.002 | 2961.294 | 10.626 | -0.000 | 10.703 | 0.000 | 4.237 | 0.000 | 0.000 | 10.712 | 10.603 | 26.110 | XOM_R2OWSG MWD+IFR1+MS |
| 3100.000 | 13.224 | 190.002 | 3058.643 | 11.006 | -0.000 | 11.097 | 0.000 | 4.353 | 0.000 | 0.000 | 11.104 | 10.974 | 22.954 | XOM_R2OWSG MWD+IFR1+MS |
| 3200.000 | 13.224 | 190.002 | 3155.991 | 11.387 | -0.000 | 11.493 | 0.000 | 4.471 | 0.000 | 0.000 | 11.498 | 11.347 | 20.653 | XOM_R2OWSG MWD+IFR1+MS |
| 3300.000 | 13.224 | 190.002 | 3253.339 | 11.769 | -0.000 | 11.889 | 0.000 | 4.590 | 0.000 | 0.000 | 11.893 | 11.719 | 18.921 | XOM_R2OWSG MWD+IFR1+MS |
| 3400.000 | 13.224 | 190.002 | 3350.687 | 12.152 | -0.000 | 12.286 | 0.000 | 4.712 | 0.000 | 0.000 | 12.289 | 12.092 | 17.578 | XOM_R2OWSG MWD+IFR1+MS |
| 3500.000 | 13.224 | 190.002 | 3448.035 | 12.535 | -0.000 | 12.684 | 0.000 | 4.835 | 0.000 | 0.000 | 12.687 | 12.466 | 16.511 | XOM_R2OWSG MWD+IFR1+MS |
| 3600.000 | 13.224 | 190.002 | 3545.383 | 12.919 | -0.000 | 13.082 | 0.000 | 4.960 | 0.000 | 0.000 | 13.085 | 12.841 | 15.644 | XOM_R2OWSG MWD+IFR1+MS |
| 3700.000 | 13.224 | 190.002 | 3642.732 | 13.303 | -0.000 | 13.482 | 0.000 | 5.087 | 0.000 | 0.000 | 13.484 | 13.215 | 14.927 | XOM_R2OWSG MWD+IFR1+MS |

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|----------|--------|---------|----------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|---------------------------|
| 3800.000 | 13.224 | 190.002 | 3740.080 | 13.688 | -0.000 | 13.882 | 0.000 | 5.216 | 0.000 | 0.000 | 13.883 | 13.591 | 14.324 | XOM_R2OWSG MWD+IFR1+MS |
| 3900.000 | 13.224 | 190.002 | 3837.428 | 14.074 | -0.000 | 14.282 | 0.000 | 5.346 | 0.000 | 0.000 | 14.284 | 13.967 | 13.811 | XOM_R2OWSG MWD+IFR1+MS |
| 4000.000 | 13.224 | 190.002 | 3934.776 | 14.460 | -0.000 | 14.683 | 0.000 | 5.478 | 0.000 | 0.000 | 14.685 | 14.343 | 13.369 | XOM_R2OWSG MWD+IFR1+MS |
| 4100.000 | 13.224 | 190.002 | 4032.124 | 14.846 | -0.000 | 15.085 | 0.000 | 5.612 | 0.000 | 0.000 | 15.086 | 14.719 | 12.984 | XOM_R2OWSG MWD+IFR1+MS |
| 4200.000 | 13.224 | 190.002 | 4129.472 | 15.233 | -0.000 | 15.487 | 0.000 | 5.747 | 0.000 | 0.000 | 15.488 | 15.096 | 12.646 | XOM_R2OWSG MWD+IFR1+MS |
| 4300.000 | 13.224 | 190.002 | 4226.821 | 15.620 | -0.000 | 15.889 | 0.000 | 5.884 | 0.000 | 0.000 | 15.890 | 15.474 | 12.347 | XOM_R2OWSG MWD+IFR1+MS |
| 4400.000 | 13.224 | 190.002 | 4324.169 | 16.007 | -0.000 | 16.292 | 0.000 | 6.022 | 0.000 | 0.000 | 16.293 | 15.852 | 12.080 | XOM_R2OWSG MWD+IFR1+MS |
| 4500.000 | 13.224 | 190.002 | 4421.517 | 16.395 | -0.000 | 16.695 | 0.000 | 6.163 | 0.000 | 0.000 | 16.696 | 16.230 | 11.841 | XOM_R2OWSG MWD+IFR1+MS |
| 4600.000 | 13.224 | 190.002 | 4518.865 | 16.783 | -0.000 | 17.099 | 0.000 | 6.305 | 0.000 | 0.000 | 17.099 | 16.608 | 11.626 | XOM_R2OWSG MWD+IFR1+MS |
| 4700.000 | 13.224 | 190.002 | 4616.213 | 17.171 | -0.000 | 17.503 | 0.000 | 6.448 | 0.000 | 0.000 | 17.503 | 16.987 | 11.430 | XOM_R2OWSG MWD+IFR1+MS |
| 4729.198 | 13.224 | 190.002 | 4644.637 | 17.284 | -0.000 | 17.620 | 0.000 | 6.490 | 0.000 | 0.000 | 17.621 | 17.097 | 11.377 | XOM_R2OWSG MWD+IFR1+MS |
| 4800.000 | 11.808 | 190.002 | 4713.754 | 17.576 | -0.000 | 17.904 | 0.000 | 6.594 | 0.000 | 0.000 | 17.904 | 17.364 | 11.257 | XOM_R2OWSG MWD+IFR1+MS |
| 4900.000 | 9.808 | 190.002 | 4811.975 | 17.966 | -0.000 | 18.297 | 0.000 | 6.738 | 0.000 | 0.000 | 18.297 | 17.736 | 11.115 | XOM_R2OWSG MWD+IFR1+MS |
| 5000.000 | 7.808 | 190.002 | 4910.791 | 18.329 | -0.000 | 18.679 | 0.000 | 6.878 | 0.000 | 0.000 | 18.680 | 18.103 | 11.002 | XOM_R2OWSG MWD+IFR1+MS |
| 5100.000 | 5.808 | 190.002 | 5010.081 | 18.664 | -0.000 | 19.052 | 0.000 | 7.012 | 0.000 | 0.000 | 19.052 | 18.464 | 10.911 | XOM_R2OWSG MWD+IFR1+MS |
| 5200.000 | 3.808 | 190.002 | 5109.724 | 18.971 | -0.000 | 19.414 | 0.000 | 7.142 | 0.000 | 0.000 | 19.414 | 18.819 | 10.840 | XOM_R2OWSG MWD+IFR1+MS |
| 5300.000 | 1.808 | 190.002 | 5209.599 | 19.248 | -0.000 | 19.765 | 0.000 | 7.268 | 0.000 | 0.000 | 19.765 | 19.166 | 10.784 | XOM_R2OWSG MWD+IFR1+MS |
| 5390.416 | 0.000 | 0.000 | 5300.000 | 19.486 | 0.000 | 20.037 | 0.000 | 7.378 | 0.000 | 0.000 | 20.058 | 19.464 | 10.851 | XOM_R2OWSG MWD+IFR1+MS |
| 5400.000 | 0.000 | 0.000 | 5309.584 | 19.516 | 0.000 | 20.066 | 0.000 | 7.389 | 0.000 | 0.000 | 20.087 | 19.495 | 10.870 | XOM_R2OWSG MWD+IFR1+MS |
| 5500.000 | 0.000 | 0.000 | 5409.584 | 19.834 | 0.000 | 20.370 | 0.000 | 7.511 | 0.000 | 0.000 | 20.391 | 19.812 | 11.071 | XOM_R2OWSG MWD+IFR1+MS |

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| 5600.000 | 0.000 | 0.000 | 5509.584 | 20.153 | 0.000 | 20.675 | 0.000 | 7.634 | 0.000 | 0.000 | 20.696 | 20.131 | 11.275 | XOM_R2OWSG MWD+IFR1+MS |
| 5700.000 | 0.000 | 0.000 | 5609.584 | 20.473 | 0.000 | 20.981 | 0.000 | 7.760 | 0.000 | 0.000 | 21.003 | 20.451 | 11.482 | XOM_R2OWSG MWD+IFR1+MS |
| 5800.000 | 0.000 | 0.000 | 5709.584 | 20.795 | 0.000 | 21.290 | 0.000 | 7.889 | 0.000 | 0.000 | 21.312 | 20.772 | 11.693 | XOM_R2OWSG MWD+IFR1+MS |
| 5900.000 | 0.000 | 0.000 | 5809.584 | 21.118 | 0.000 | 21.600 | 0.000 | 8.020 | 0.000 | 0.000 | 21.622 | 21.095 | 11.907 | XOM_R2OWSG MWD+IFR1+MS |
| 6000.000 | 0.000 | 0.000 | 5909.584 | 21.442 | 0.000 | 21.911 | 0.000 | 8.153 | 0.000 | 0.000 | 21.933 | 21.419 | 12.125 | XOM_R2OWSG MWD+IFR1+MS |
| 6100.000 | 0.000 | 0.000 | 6009.584 | 21.767 | 0.000 | 22.224 | 0.000 | 8.289 | 0.000 | 0.000 | 22.246 | 21.744 | 12.346 | XOM_R2OWSG MWD+IFR1+MS |
| 6200.000 | 0.000 | 0.000 | 6109.584 | 22.093 | 0.000 | 22.538 | 0.000 | 8.428 | 0.000 | 0.000 | 22.561 | 22.069 | 12.572 | XOM_R2OWSG MWD+IFR1+MS |
| 6300.000 | 0.000 | 0.000 | 6209.584 | 22.420 | 0.000 | 22.853 | 0.000 | 8.569 | 0.000 | 0.000 | 22.877 | 22.396 | 12.801 | XOM_R2OWSG MWD+IFR1+MS |
| 6400.000 | 0.000 | 0.000 | 6309.584 | 22.748 | 0.000 | 23.170 | 0.000 | 8.713 | 0.000 | 0.000 | 23.194 | 22.724 | 13.034 | XOM_R2OWSG MWD+IFR1+MS |
| 6500.000 | 0.000 | 0.000 | 6409.584 | 23.077 | 0.000 | 23.488 | 0.000 | 8.860 | 0.000 | 0.000 | 23.512 | 23.052 | 13.271 | XOM_R2OWSG MWD+IFR1+MS |
| 6600.000 | 0.000 | 0.000 | 6509.584 | 23.407 | 0.000 | 23.807 | 0.000 | 9.009 | 0.000 | 0.000 | 23.831 | 23.382 | 13.512 | XOM_R2OWSG MWD+IFR1+MS |
| 6700.000 | 0.000 | 0.000 | 6609.584 | 23.737 | 0.000 | 24.127 | 0.000 | 9.161 | 0.000 | 0.000 | 24.152 | 23.712 | 13.758 | XOM_R2OWSG MWD+IFR1+MS |
| 6800.000 | 0.000 | 0.000 | 6709.584 | 24.069 | 0.000 | 24.448 | 0.000 | 9.316 | 0.000 | 0.000 | 24.473 | 24.043 | 14.007 | XOM_R2OWSG MWD+IFR1+MS |
| 6900.000 | 0.000 | 0.000 | 6809.584 | 24.401 | 0.000 | 24.770 | 0.000 | 9.473 | 0.000 | 0.000 | 24.796 | 24.375 | 14.261 | XOM_R2OWSG MWD+IFR1+MS |
| 7000.000 | 0.000 | 0.000 | 6909.584 | 24.734 | 0.000 | 25.094 | 0.000 | 9.634 | 0.000 | 0.000 | 25.119 | 24.708 | 14.519 | XOM_R2OWSG MWD+IFR1+MS |
| 7100.000 | 0.000 | 0.000 | 7009.584 | 25.067 | 0.000 | 25.418 | 0.000 | 9.797 | 0.000 | 0.000 | 25.444 | 25.041 | 14.781 | XOM_R2OWSG MWD+IFR1+MS |
| 7200.000 | 0.000 | 0.000 | 7109.584 | 25.402 | 0.000 | 25.743 | 0.000 | 9.962 | 0.000 | 0.000 | 25.769 | 25.375 | 15.048 | XOM_R2OWSG MWD+IFR1+MS |
| 7300.000 | 0.000 | 0.000 | 7209.584 | 25.737 | 0.000 | 26.069 | 0.000 | 10.131 | 0.000 | 0.000 | 26.096 | 25.710 | 15.319 | XOM_R2OWSG MWD+IFR1+MS |
| 7400.000 | 0.000 | 0.000 | 7309.584 | 26.072 | 0.000 | 26.396 | 0.000 | 10.303 | 0.000 | 0.000 | 26.423 | 26.045 | 15.595 | XOM_R2OWSG MWD+IFR1+MS |
| 7500.000 | 0.000 | 0.000 | 7409.584 | 26.408 | 0.000 | 26.723 | 0.000 | 10.477 | 0.000 | 0.000 | 26.751 | 26.381 | 15.876 | XOM_R2OWSG MWD+IFR1+MS |

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|----------|-------|-------|----------|--------|-------|--------|-------|--------|-------|-------|--------|--------|--------|---------------------------|
| 7600.000 | 0.000 | 0.000 | 7509.584 | 26.745 | 0.000 | 27.052 | 0.000 | 10.654 | 0.000 | 0.000 | 27.079 | 26.717 | 16.161 | XOM_R2OWSG MWD+IFR1+MS |
| 7700.000 | 0.000 | 0.000 | 7609.584 | 27.083 | 0.000 | 27.381 | 0.000 | 10.834 | 0.000 | 0.000 | 27.409 | 27.054 | 16.451 | XOM_R2OWSG MWD+IFR1+MS |
| 7800.000 | 0.000 | 0.000 | 7709.584 | 27.420 | 0.000 | 27.711 | 0.000 | 11.017 | 0.000 | 0.000 | 27.739 | 27.391 | 16.746 | XOM_R2OWSG MWD+IFR1+MS |
| 7900.000 | 0.000 | 0.000 | 7809.584 | 27.759 | 0.000 | 28.041 | 0.000 | 11.203 | 0.000 | 0.000 | 28.070 | 27.729 | 17.046 | XOM_R2OWSG MWD+IFR1+MS |
| 8000.000 | 0.000 | 0.000 | 7909.584 | 28.098 | 0.000 | 28.372 | 0.000 | 11.392 | 0.000 | 0.000 | 28.402 | 28.068 | 17.351 | XOM_R2OWSG MWD+IFR1+MS |
| 8100.000 | 0.000 | 0.000 | 8009.584 | 28.437 | 0.000 | 28.704 | 0.000 | 11.583 | 0.000 | 0.000 | 28.734 | 28.407 | 17.660 | XOM_R2OWSG MWD+IFR1+MS |
| 8200.000 | 0.000 | 0.000 | 8109.584 | 28.777 | 0.000 | 29.037 | 0.000 | 11.778 | 0.000 | 0.000 | 29.067 | 28.746 | 17.975 | XOM_R2OWSG MWD+IFR1+MS |
| 8300.000 | 0.000 | 0.000 | 8209.584 | 29.117 | 0.000 | 29.370 | 0.000 | 11.976 | 0.000 | 0.000 | 29.401 | 29.086 | 18.295 | XOM_R2OWSG MWD+IFR1+MS |
| 8400.000 | 0.000 | 0.000 | 8309.584 | 29.458 | 0.000 | 29.704 | 0.000 | 12.176 | 0.000 | 0.000 | 29.735 | 29.426 | 18.620 | XOM_R2OWSG MWD+IFR1+MS |
| 8500.000 | 0.000 | 0.000 | 8409.584 | 29.799 | 0.000 | 30.038 | 0.000 | 12.380 | 0.000 | 0.000 | 30.070 | 29.767 | 18.950 | XOM_R2OWSG MWD+IFR1+MS |
| 8600.000 | 0.000 | 0.000 | 8509.584 | 30.140 | 0.000 | 30.373 | 0.000 | 12.586 | 0.000 | 0.000 | 30.405 | 30.108 | 19.286 | XOM_R2OWSG MWD+IFR1+MS |
| 8700.000 | 0.000 | 0.000 | 8609.584 | 30.482 | 0.000 | 30.708 | 0.000 | 12.796 | 0.000 | 0.000 | 30.741 | 30.449 | 19.626 | XOM_R2OWSG MWD+IFR1+MS |
| 8800.000 | 0.000 | 0.000 | 8709.584 | 30.825 | 0.000 | 31.044 | 0.000 | 13.008 | 0.000 | 0.000 | 31.077 | 30.791 | 19.972 | XOM_R2OWSG MWD+IFR1+MS |
| 8900.000 | 0.000 | 0.000 | 8809.584 | 31.167 | 0.000 | 31.381 | 0.000 | 13.223 | 0.000 | 0.000 | 31.414 | 31.133 | 20.323 | XOM_R2OWSG MWD+IFR1+MS |
| 9000.000 | 0.000 | 0.000 | 8909.584 | 31.510 | 0.000 | 31.717 | 0.000 | 13.442 | 0.000 | 0.000 | 31.752 | 31.476 | 20.680 | XOM_R2OWSG MWD+IFR1+MS |
| 9100.000 | 0.000 | 0.000 | 9009.584 | 31.854 | 0.000 | 32.055 | 0.000 | 13.663 | 0.000 | 0.000 | 32.090 | 31.819 | 21.042 | XOM_R2OWSG MWD+IFR1+MS |
| 9200.000 | 0.000 | 0.000 | 9109.584 | 32.197 | 0.000 | 32.393 | 0.000 | 13.888 | 0.000 | 0.000 | 32.428 | 32.162 | 21.409 | XOM_R2OWSG MWD+IFR1+MS |
| 9300.000 | 0.000 | 0.000 | 9209.584 | 32.541 | 0.000 | 32.731 | 0.000 | 14.115 | 0.000 | 0.000 | 32.767 | 32.505 | 21.781 | XOM_R2OWSG MWD+IFR1+MS |
| 9400.000 | 0.000 | 0.000 | 9309.584 | 32.886 | 0.000 | 33.069 | 0.000 | 14.346 | 0.000 | 0.000 | 33.106 | 32.849 | 22.159 | XOM_R2OWSG MWD+IFR1+MS |
| 9500.000 | 0.000 | 0.000 | 9409.584 | 33.230 | 0.000 | 33.409 | 0.000 | 14.580 | 0.000 | 0.000 | 33.446 | 33.193 | 22.542 | XOM_R2OWSG MWD+IFR1+MS |

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| 9600.000 | 0.000 | 0.000 | 9509.584 | 33.575 | 0.000 | 33.748 | 0.000 | 14.816 | 0.000 | 0.000 | 33.786 | 33.537 | 22.930 | XOM_R2OWSG MWD+IFR1+MS |
| 9700.000 | 0.000 | 0.000 | 9609.584 | 33.920 | 0.000 | 34.088 | 0.000 | 15.056 | 0.000 | 0.000 | 34.126 | 33.882 | 23.324 | XOM_R2OWSG MWD+IFR1+MS |
| 9800.000 | 0.000 | 0.000 | 9709.584 | 34.266 | 0.000 | 34.428 | 0.000 | 15.299 | 0.000 | 0.000 | 34.467 | 34.227 | 23.723 | XOM_R2OWSG MWD+IFR1+MS |
| 9900.000 | 0.000 | 0.000 | 9809.584 | 34.611 | 0.000 | 34.769 | 0.000 | 15.545 | 0.000 | 0.000 | 34.808 | 34.572 | 24.126 | XOM_R2OWSG MWD+IFR1+MS |
| 10000.000 | 0.000 | 0.000 | 9909.584 | 34.957 | 0.000 | 35.110 | 0.000 | 15.794 | 0.000 | 0.000 | 35.150 | 34.917 | 24.535 | XOM_R2OWSG MWD+IFR1+MS |
| 10100.219 | 0.000 | 0.000 | 10009.803 | 35.304 | 0.000 | 35.452 | 0.000 | 16.046 | 0.000 | 0.000 | 35.492 | 35.263 | 24.950 | XOM_R2OWSG MWD+IFR1+MS |
| 10200.000 | 7.982 | 359.617 | 10109.261 | 35.014 | 0.000 | 35.785 | 0.000 | 16.294 | 0.000 | 0.000 | 35.827 | 35.596 | 24.894 | XOM_R2OWSG MWD+IFR1+MS |
| 10300.000 | 15.982 | 359.617 | 10207.003 | 34.165 | 0.000 | 36.104 | 0.000 | 16.530 | 0.000 | 0.000 | 36.145 | 35.903 | 23.881 | XOM_R2OWSG MWD+IFR1+MS |
| 10400.000 | 23.982 | 359.617 | 10300.906 | 32.792 | 0.000 | 36.405 | 0.000 | 16.750 | 0.000 | 0.000 | 36.442 | 36.175 | 21.732 | XOM_R2OWSG MWD+IFR1+MS |
| 10500.000 | 31.982 | 359.617 | 10389.144 | 30.951 | 0.000 | 36.683 | 0.000 | 16.954 | 0.000 | 0.000 | 36.716 | 36.405 | 18.858 | XOM_R2OWSG MWD+IFR1+MS |
| 10600.000 | 39.982 | 359.617 | 10469.998 | 28.728 | 0.000 | 36.937 | 0.000 | 17.143 | 0.000 | 0.000 | 36.966 | 36.591 | 15.863 | XOM_R2OWSG MWD+IFR1+MS |
| 10700.000 | 47.982 | 359.617 | 10541.894 | 26.245 | 0.000 | 37.166 | 0.000 | 17.323 | 0.000 | 0.000 | 37.191 | 36.732 | 13.179 | XOM_R2OWSG MWD+IFR1+MS |
| 10800.000 | 55.982 | 359.617 | 10603.435 | 23.673 | 0.000 | 37.370 | 0.000 | 17.500 | 0.000 | 0.000 | 37.392 | 36.831 | 10.963 | XOM_R2OWSG MWD+IFR1+MS |
| 10900.000 | 63.982 | 359.617 | 10653.421 | 21.253 | 0.000 | 37.549 | 0.000 | 17.682 | 0.000 | 0.000 | 37.568 | 36.894 | 9.205 | XOM_R2OWSG MWD+IFR1+MS |
| 11000.000 | 71.982 | 359.617 | 10690.879 | 19.302 | 0.000 | 37.704 | 0.000 | 17.877 | 0.000 | 0.000 | 37.720 | 36.928 | 7.834 | XOM_R2OWSG MWD+IFR1+MS |
| 11100.000 | 79.982 | 359.617 | 10715.081 | 18.187 | 0.000 | 37.833 | 0.000 | 18.090 | 0.000 | 0.000 | 37.847 | 36.942 | 6.776 | XOM_R2OWSG MWD+IFR1+MS |
| 11200.000 | 87.982 | 359.617 | 10725.556 | 18.195 | 0.000 | 37.938 | 0.000 | 18.323 | 0.000 | 0.000 | 37.950 | 36.948 | 5.975 | XOM_R2OWSG MWD+IFR1+MS |
| 11225.219 | 90.000 | 359.617 | 10726.000 | 18.385 | 0.000 | 37.958 | 0.000 | 18.385 | 0.000 | 0.000 | 37.970 | 36.950 | 5.819 | XOM_R2OWSG MWD+IFR1+MS |
| 11300.000 | 90.000 | 359.617 | 10726.000 | 18.579 | 0.000 | 38.026 | 0.000 | 18.579 | 0.000 | 0.000 | 38.037 | 36.954 | 5.338 | XOM_R2OWSG MWD+IFR1+MS |
| 11400.000 | 90.000 | 359.617 | 10726.000 | 18.864 | 0.000 | 38.136 | 0.000 | 18.864 | 0.000 | 0.000 | 38.145 | 36.959 | 4.694 | XOM_R2OWSG MWD+IFR1+MS |

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| 11500.000 | 90.000 | 359.617 | 10726.000 | 19.177 | 0.000 | 38.266 | 0.000 | 19.177 | 0.000 | 0.000 | 38.273 | 36.964 | 4.086 | XOM_R2OWSG MWD+IFR1+MS |
| 11600.000 | 90.000 | 359.617 | 10726.000 | 19.516 | 0.000 | 38.415 | 0.000 | 19.516 | 0.000 | 0.000 | 38.422 | 36.971 | 3.530 | XOM_R2OWSG MWD+IFR1+MS |
| 11700.000 | 90.000 | 359.617 | 10726.000 | 19.881 | 0.000 | 38.584 | 0.000 | 19.881 | 0.000 | 0.000 | 38.589 | 36.978 | 3.032 | XOM_R2OWSG MWD+IFR1+MS |
| 11800.000 | 90.000 | 359.617 | 10726.000 | 20.269 | 0.000 | 38.772 | 0.000 | 20.269 | 0.000 | 0.000 | 38.777 | 36.985 | 2.594 | XOM_R2OWSG MWD+IFR1+MS |
| 11900.000 | 90.000 | 359.617 | 10726.000 | 20.680 | 0.000 | 38.979 | 0.000 | 20.680 | 0.000 | 0.000 | 38.983 | 36.993 | 2.211 | XOM_R2OWSG MWD+IFR1+MS |
| 12000.000 | 90.000 | 359.617 | 10726.000 | 21.112 | 0.000 | 39.205 | 0.000 | 21.112 | 0.000 | 0.000 | 39.208 | 37.002 | 1.879 | XOM_R2OWSG MWD+IFR1+MS |
| 12100.000 | 90.000 | 359.617 | 10726.000 | 21.564 | 0.000 | 39.449 | 0.000 | 21.564 | 0.000 | 0.000 | 39.452 | 37.011 | 1.592 | XOM_R2OWSG MWD+IFR1+MS |
| 12200.000 | 90.000 | 359.617 | 10726.000 | 22.035 | 0.000 | 39.712 | 0.000 | 22.035 | 0.000 | 0.000 | 39.714 | 37.021 | 1.344 | XOM_R2OWSG MWD+IFR1+MS |
| 12300.000 | 90.000 | 359.617 | 10726.000 | 22.523 | 0.000 | 39.992 | 0.000 | 22.523 | 0.000 | 0.000 | 39.994 | 37.031 | 1.130 | XOM_R2OWSG MWD+IFR1+MS |
| 12400.000 | 90.000 | 359.617 | 10726.000 | 23.028 | 0.000 | 40.289 | 0.000 | 23.028 | 0.000 | 0.000 | 40.291 | 37.043 | 0.945 | XOM_R2OWSG MWD+IFR1+MS |
| 12500.000 | 90.000 | 359.617 | 10726.000 | 23.548 | 0.000 | 40.603 | 0.000 | 23.548 | 0.000 | 0.000 | 40.604 | 37.054 | 0.784 | XOM_R2OWSG MWD+IFR1+MS |
| 12600.000 | 90.000 | 359.617 | 10726.000 | 24.082 | 0.000 | 40.934 | 0.000 | 24.082 | 0.000 | 0.000 | 40.935 | 37.067 | 0.645 | XOM_R2OWSG MWD+IFR1+MS |
| 12700.000 | 90.000 | 359.617 | 10726.000 | 24.630 | 0.000 | 41.281 | 0.000 | 24.630 | 0.000 | 0.000 | 41.282 | 37.080 | 0.523 | XOM_R2OWSG MWD+IFR1+MS |
| 12800.000 | 90.000 | 359.617 | 10726.000 | 25.190 | 0.000 | 41.643 | 0.000 | 25.190 | 0.000 | 0.000 | 41.644 | 37.094 | 0.417 | XOM_R2OWSG MWD+IFR1+MS |
| 12900.000 | 90.000 | 359.617 | 10726.000 | 25.762 | 0.000 | 42.021 | 0.000 | 25.762 | 0.000 | 0.000 | 42.022 | 37.108 | 0.324 | XOM_R2OWSG MWD+IFR1+MS |
| 13000.000 | 90.000 | 359.617 | 10726.000 | 26.345 | 0.000 | 42.414 | 0.000 | 26.345 | 0.000 | 0.000 | 42.414 | 37.124 | 0.243 | XOM_R2OWSG MWD+IFR1+MS |
| 13100.000 | 90.000 | 359.617 | 10726.000 | 26.938 | 0.000 | 42.821 | 0.000 | 26.938 | 0.000 | 0.000 | 42.822 | 37.140 | 0.171 | XOM_R2OWSG MWD+IFR1+MS |
| 13200.000 | 90.000 | 359.617 | 10726.000 | 27.541 | 0.000 | 43.243 | 0.000 | 27.541 | 0.000 | 0.000 | 43.243 | 37.156 | 0.107 | XOM_R2OWSG MWD+IFR1+MS |
| 13300.000 | 90.000 | 359.617 | 10726.000 | 28.153 | 0.000 | 43.678 | 0.000 | 28.153 | 0.000 | 0.000 | 43.678 | 37.174 | 0.051 | XOM_R2OWSG MWD+IFR1+MS |
| 13400.000 | 90.000 | 359.617 | 10726.000 | 28.773 | 0.000 | 44.126 | 0.000 | 28.773 | 0.000 | 0.000 | 44.126 | 37.191 | 0.001 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|-----------|--------|---------|-----------|--------|-------|--------|-------|--------|-------|-------|--------|--------|--------|---------------------------|
| 13500.000 | 90.000 | 359.617 | 10726.000 | 29.401 | 0.000 | 44.587 | 0.000 | 29.401 | 0.000 | 0.000 | 44.588 | 37.210 | -0.043 | XOM_R2OWSG MWD+IFR1+MS |
| 13600.000 | 90.000 | 359.617 | 10726.000 | 30.037 | 0.000 | 45.061 | 0.000 | 30.037 | 0.000 | 0.000 | 45.061 | 37.230 | -0.083 | XOM_R2OWSG MWD+IFR1+MS |
| 13700.000 | 90.000 | 359.617 | 10726.000 | 30.679 | 0.000 | 45.547 | 0.000 | 30.679 | 0.000 | 0.000 | 45.547 | 37.250 | -0.119 | XOM_R2OWSG MWD+IFR1+MS |
| 13800.000 | 90.000 | 359.617 | 10726.000 | 31.328 | 0.000 | 46.045 | 0.000 | 31.328 | 0.000 | 0.000 | 46.045 | 37.270 | -0.150 | XOM_R2OWSG MWD+IFR1+MS |
| 13900.000 | 90.000 | 359.617 | 10726.000 | 31.983 | 0.000 | 46.554 | 0.000 | 31.983 | 0.000 | 0.000 | 46.554 | 37.292 | -0.179 | XOM_R2OWSG MWD+IFR1+MS |
| 14000.000 | 90.000 | 359.617 | 10726.000 | 32.643 | 0.000 | 47.073 | 0.000 | 32.643 | 0.000 | 0.000 | 47.074 | 37.314 | -0.205 | XOM_R2OWSG MWD+IFR1+MS |
| 14100.000 | 90.000 | 359.617 | 10726.000 | 33.309 | 0.000 | 47.604 | 0.000 | 33.309 | 0.000 | 0.000 | 47.604 | 37.337 | -0.228 | XOM_R2OWSG MWD+IFR1+MS |
| 14200.000 | 90.000 | 359.617 | 10726.000 | 33.981 | 0.000 | 48.145 | 0.000 | 33.981 | 0.000 | 0.000 | 48.145 | 37.360 | -0.249 | XOM_R2OWSG MWD+IFR1+MS |
| 14300.000 | 90.000 | 359.617 | 10726.000 | 34.656 | 0.000 | 48.695 | 0.000 | 34.656 | 0.000 | 0.000 | 48.695 | 37.385 | -0.268 | XOM_R2OWSG MWD+IFR1+MS |
| 14400.000 | 90.000 | 359.617 | 10726.000 | 35.337 | 0.000 | 49.256 | 0.000 | 35.337 | 0.000 | 0.000 | 49.256 | 37.409 | -0.286 | XOM_R2OWSG MWD+IFR1+MS |
| 14500.000 | 90.000 | 359.617 | 10726.000 | 36.021 | 0.000 | 49.825 | 0.000 | 36.021 | 0.000 | 0.000 | 49.825 | 37.435 | -0.301 | XOM_R2OWSG MWD+IFR1+MS |
| 14600.000 | 90.000 | 359.617 | 10726.000 | 36.710 | 0.000 | 50.404 | 0.000 | 36.710 | 0.000 | 0.000 | 50.404 | 37.461 | -0.316 | XOM_R2OWSG MWD+IFR1+MS |
| 14700.000 | 90.000 | 359.617 | 10726.000 | 37.403 | 0.000 | 50.991 | 0.000 | 37.403 | 0.000 | 0.000 | 50.991 | 37.488 | -0.329 | XOM_R2OWSG MWD+IFR1+MS |
| 14800.000 | 90.000 | 359.617 | 10726.000 | 38.099 | 0.000 | 51.586 | 0.000 | 38.099 | 0.000 | 0.000 | 51.586 | 37.516 | -0.341 | XOM_R2OWSG MWD+IFR1+MS |
| 14900.000 | 90.000 | 359.617 | 10726.000 | 38.798 | 0.000 | 52.190 | 0.000 | 38.798 | 0.000 | 0.000 | 52.190 | 37.544 | -0.351 | XOM_R2OWSG MWD+IFR1+MS |
| 15000.000 | 90.000 | 359.617 | 10726.000 | 39.501 | 0.000 | 52.801 | 0.000 | 39.501 | 0.000 | 0.000 | 52.801 | 37.573 | -0.361 | XOM_R2OWSG MWD+IFR1+MS |
| 15100.000 | 90.000 | 359.617 | 10726.000 | 40.206 | 0.000 | 53.420 | 0.000 | 40.206 | 0.000 | 0.000 | 53.420 | 37.603 | -0.370 | XOM_R2OWSG MWD+IFR1+MS |
| 15200.000 | 90.000 | 359.617 | 10726.000 | 40.915 | 0.000 | 54.046 | 0.000 | 40.915 | 0.000 | 0.000 | 54.046 | 37.633 | -0.379 | XOM_R2OWSG MWD+IFR1+MS |
| 15300.000 | 90.000 | 359.617 | 10726.000 | 41.626 | 0.000 | 54.679 | 0.000 | 41.626 | 0.000 | 0.000 | 54.679 | 37.664 | -0.386 | XOM_R2OWSG MWD+IFR1+MS |
| 15400.000 | 90.000 | 359.617 | 10726.000 | 42.340 | 0.000 | 55.319 | 0.000 | 42.340 | 0.000 | 0.000 | 55.319 | 37.696 | -0.393 | XOM_R2OWSG MWD+IFR1+MS |

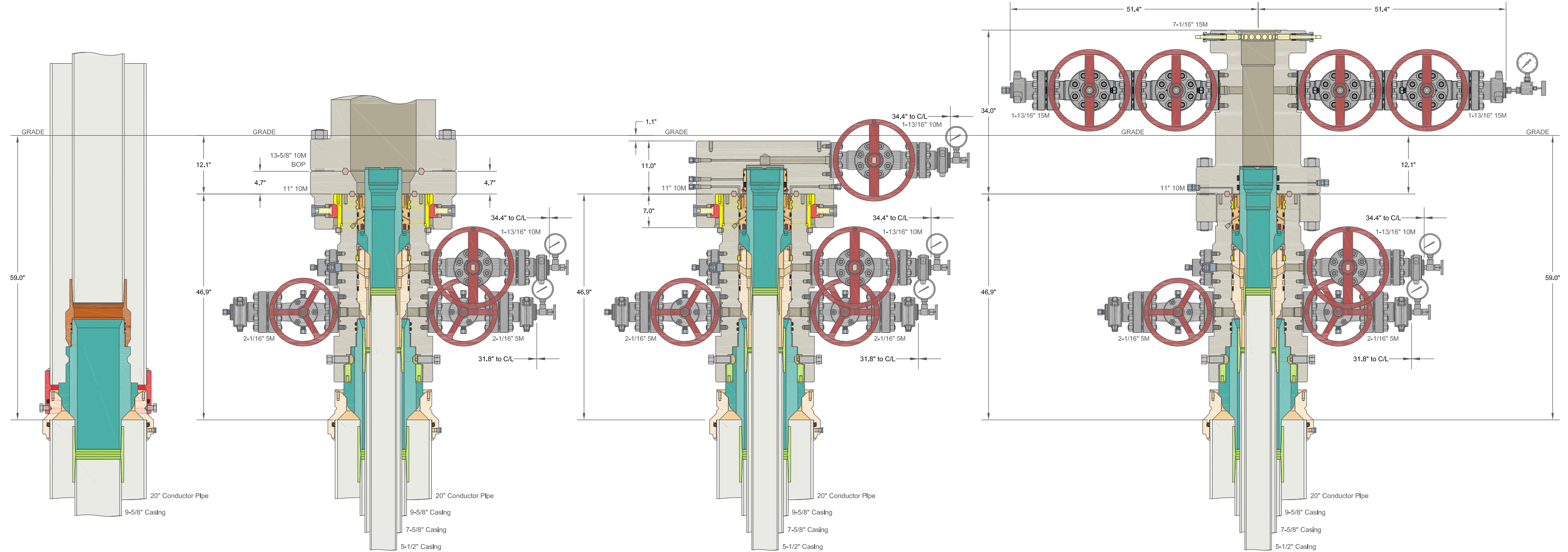
| | | | | | | | | | | | | | | |
|-----------|--------|---------|-----------|--------|-------|--------|-------|--------|-------|-------|--------|--------|--------|---------------------------|
| 15500.000 | 90.000 | 359.617 | 10726.000 | 43.056 | 0.000 | 55.966 | 0.000 | 43.056 | 0.000 | 0.000 | 55.966 | 37.729 | -0.400 | XOM_R2OWSG MWD+IFR1+MS |
| 15600.000 | 90.000 | 359.617 | 10726.000 | 43.775 | 0.000 | 56.618 | 0.000 | 43.775 | 0.000 | 0.000 | 56.618 | 37.762 | -0.406 | XOM_R2OWSG MWD+IFR1+MS |
| 15700.000 | 90.000 | 359.617 | 10726.000 | 44.496 | 0.000 | 57.277 | 0.000 | 44.496 | 0.000 | 0.000 | 57.277 | 37.795 | -0.411 | XOM_R2OWSG MWD+IFR1+MS |
| 15800.000 | 90.000 | 359.617 | 10726.000 | 45.219 | 0.000 | 57.942 | 0.000 | 45.219 | 0.000 | 0.000 | 57.942 | 37.830 | -0.416 | XOM_R2OWSG MWD+IFR1+MS |
| 15900.000 | 90.000 | 359.617 | 10726.000 | 45.944 | 0.000 | 58.612 | 0.000 | 45.944 | 0.000 | 0.000 | 58.612 | 37.865 | -0.421 | XOM_R2OWSG MWD+IFR1+MS |
| 16000.000 | 90.000 | 359.617 | 10726.000 | 46.671 | 0.000 | 59.288 | 0.000 | 46.671 | 0.000 | 0.000 | 59.288 | 37.901 | -0.425 | XOM_R2OWSG MWD+IFR1+MS |
| 16100.000 | 90.000 | 359.617 | 10726.000 | 47.400 | 0.000 | 59.970 | 0.000 | 47.400 | 0.000 | 0.000 | 59.970 | 37.937 | -0.429 | XOM_R2OWSG MWD+IFR1+MS |
| 16200.000 | 90.000 | 359.617 | 10726.000 | 48.130 | 0.000 | 60.656 | 0.000 | 48.130 | 0.000 | 0.000 | 60.656 | 37.974 | -0.432 | XOM_R2OWSG MWD+IFR1+MS |
| 16300.000 | 90.000 | 359.617 | 10726.000 | 48.863 | 0.000 | 61.347 | 0.000 | 48.863 | 0.000 | 0.000 | 61.347 | 38.012 | -0.436 | XOM_R2OWSG MWD+IFR1+MS |
| 16400.000 | 90.000 | 359.617 | 10726.000 | 49.597 | 0.000 | 62.043 | 0.000 | 49.597 | 0.000 | 0.000 | 62.043 | 38.050 | -0.439 | XOM_R2OWSG MWD+IFR1+MS |
| 16500.000 | 90.000 | 359.617 | 10726.000 | 50.332 | 0.000 | 62.744 | 0.000 | 50.332 | 0.000 | 0.000 | 62.744 | 38.089 | -0.441 | XOM_R2OWSG MWD+IFR1+MS |
| 16600.000 | 90.000 | 359.617 | 10726.000 | 51.069 | 0.000 | 63.449 | 0.000 | 51.069 | 0.000 | 0.000 | 63.449 | 38.129 | -0.444 | XOM_R2OWSG MWD+IFR1+MS |
| 16700.000 | 90.000 | 359.617 | 10726.000 | 51.807 | 0.000 | 64.159 | 0.000 | 51.807 | 0.000 | 0.000 | 64.159 | 38.169 | -0.446 | XOM_R2OWSG MWD+IFR1+MS |
| 16800.000 | 90.000 | 359.617 | 10726.000 | 52.547 | 0.000 | 64.873 | 0.000 | 52.547 | 0.000 | 0.000 | 64.873 | 38.210 | -0.449 | XOM_R2OWSG MWD+IFR1+MS |
| 16900.000 | 90.000 | 359.617 | 10726.000 | 53.288 | 0.000 | 65.591 | 0.000 | 53.288 | 0.000 | 0.000 | 65.591 | 38.252 | -0.451 | XOM_R2OWSG MWD+IFR1+MS |
| 17000.000 | 90.000 | 359.617 | 10726.000 | 54.030 | 0.000 | 66.312 | 0.000 | 54.030 | 0.000 | 0.000 | 66.312 | 38.294 | -0.453 | XOM_R2OWSG MWD+IFR1+MS |
| 17100.000 | 90.000 | 359.617 | 10726.000 | 54.773 | 0.000 | 67.038 | 0.000 | 54.773 | 0.000 | 0.000 | 67.038 | 38.337 | -0.454 | XOM_R2OWSG MWD+IFR1+MS |
| 17200.000 | 90.000 | 359.617 | 10726.000 | 55.518 | 0.000 | 67.767 | 0.000 | 55.518 | 0.000 | 0.000 | 67.767 | 38.381 | -0.456 | XOM_R2OWSG MWD+IFR1+MS |
| 17300.000 | 90.000 | 359.617 | 10726.000 | 56.263 | 0.000 | 68.500 | 0.000 | 56.263 | 0.000 | 0.000 | 68.500 | 38.425 | -0.457 | XOM_R2OWSG MWD+IFR1+MS |
| 17400.000 | 90.000 | 359.617 | 10726.000 | 57.010 | 0.000 | 69.236 | 0.000 | 57.010 | 0.000 | 0.000 | 69.236 | 38.470 | -0.459 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|-----------|--------|---------|-----------|--------|-------|--------|-------|--------|-------|-------|--------|--------|--------|---------------------------|
| 17500.000 | 90.000 | 359.617 | 10726.000 | 57.758 | 0.000 | 69.976 | 0.000 | 57.758 | 0.000 | 0.000 | 69.976 | 38.516 | -0.460 | XOM_R2OWSG MWD+IFR1+MS |
| 17600.000 | 90.000 | 359.617 | 10726.000 | 58.506 | 0.000 | 70.718 | 0.000 | 58.506 | 0.000 | 0.000 | 70.718 | 38.562 | -0.461 | XOM_R2OWSG MWD+IFR1+MS |
| 17700.000 | 90.000 | 359.617 | 10726.000 | 59.256 | 0.000 | 71.464 | 0.000 | 59.256 | 0.000 | 0.000 | 71.464 | 38.609 | -0.462 | XOM_R2OWSG MWD+IFR1+MS |
| 17800.000 | 90.000 | 359.617 | 10726.000 | 60.006 | 0.000 | 72.213 | 0.000 | 60.006 | 0.000 | 0.000 | 72.213 | 38.656 | -0.463 | XOM_R2OWSG MWD+IFR1+MS |
| 17900.000 | 90.000 | 359.617 | 10726.000 | 60.758 | 0.000 | 72.965 | 0.000 | 60.758 | 0.000 | 0.000 | 72.965 | 38.704 | -0.464 | XOM_R2OWSG MWD+IFR1+MS |
| 18000.000 | 90.000 | 359.617 | 10726.000 | 61.510 | 0.000 | 73.720 | 0.000 | 61.510 | 0.000 | 0.000 | 73.720 | 38.753 | -0.465 | XOM_R2OWSG MWD+IFR1+MS |
| 18100.000 | 90.000 | 359.617 | 10726.000 | 62.263 | 0.000 | 74.477 | 0.000 | 62.263 | 0.000 | 0.000 | 74.477 | 38.802 | -0.465 | XOM_R2OWSG MWD+IFR1+MS |
| 18200.000 | 90.000 | 359.617 | 10726.000 | 63.017 | 0.000 | 75.238 | 0.000 | 63.017 | 0.000 | 0.000 | 75.238 | 38.852 | -0.466 | XOM_R2OWSG MWD+IFR1+MS |
| 18300.000 | 90.000 | 359.617 | 10726.000 | 63.771 | 0.000 | 76.000 | 0.000 | 63.771 | 0.000 | 0.000 | 76.000 | 38.902 | -0.467 | XOM_R2OWSG MWD+IFR1+MS |
| 18400.000 | 90.000 | 359.617 | 10726.000 | 64.526 | 0.000 | 76.766 | 0.000 | 64.526 | 0.000 | 0.000 | 76.766 | 38.953 | -0.467 | XOM_R2OWSG MWD+IFR1+MS |
| 18500.000 | 90.000 | 359.617 | 10726.000 | 65.282 | 0.000 | 77.533 | 0.000 | 65.282 | 0.000 | 0.000 | 77.533 | 39.005 | -0.467 | XOM_R2OWSG MWD+IFR1+MS |
| 18600.000 | 90.000 | 359.617 | 10726.000 | 66.039 | 0.000 | 78.303 | 0.000 | 66.039 | 0.000 | 0.000 | 78.304 | 39.057 | -0.468 | XOM_R2OWSG MWD+IFR1+MS |
| 18700.000 | 90.000 | 359.617 | 10726.000 | 66.796 | 0.000 | 79.076 | 0.000 | 66.796 | 0.000 | 0.000 | 79.076 | 39.110 | -0.468 | XOM_R2OWSG MWD+IFR1+MS |
| 18742.087 | 90.000 | 359.617 | 10726.000 | 67.115 | 0.000 | 79.401 | 0.000 | 67.115 | 0.000 | 0.000 | 79.401 | 39.133 | -0.468 | XOM_R2OWSG MWD+IFR1+MS |
| 18791.834 | 90.000 | 359.617 | 10726.000 | 67.492 | 0.000 | 79.786 | 0.000 | 67.492 | 0.000 | 0.000 | 79.786 | 39.160 | -0.469 | XOM_R2OWSG MWD+IFR1+MS |

Plan Targets

Corral 17-8 Fed Com 161H

| Target Name | Measured Depth (ft) | Grid Northing (ft) | Grid Easting (ft) | TVD MSL (ft) | Target Shape |
|-------------|------------------------|-----------------------|----------------------|-----------------|--------------|
| 161H FTP | 11225.22 | 408874.00 | 599195.60 | 7745.00 | CIRCLE |
| 161H LTP | 18742.09 | 416390.70 | 599145.30 | 7745.00 | CIRCLE |
| 161H BHL | 18792.12 | 416440.70 | 599145.10 | 7745.00 | 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 |
| | | APPRV | 31MAR22 |
| | | DRAWING NO. | HBE0000479 |



U. S. Steel Tubular Products

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

11/8/2023 1:08:50 PM



| 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 | -- |

UNCONTROLLED

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.

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www.usstubular.com



U. S. Steel Tubular Products

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

11/29/2021 4:16:04 PM

| 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] |

UNCONTROLLED

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.

Legal Notice

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**BLACK GOLD®**

GATES ENGINEERING & SERVICES NORTH AMERICA
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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. Cismos***TITLE:****QUALITY ASSURANCE****DATE:****1/25/2024**



H3-15/16

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:

Visual check:

Pressure test result: PASS

Length measurement result:

Length: 45 feet

Test operator: Travis





H3-15/16

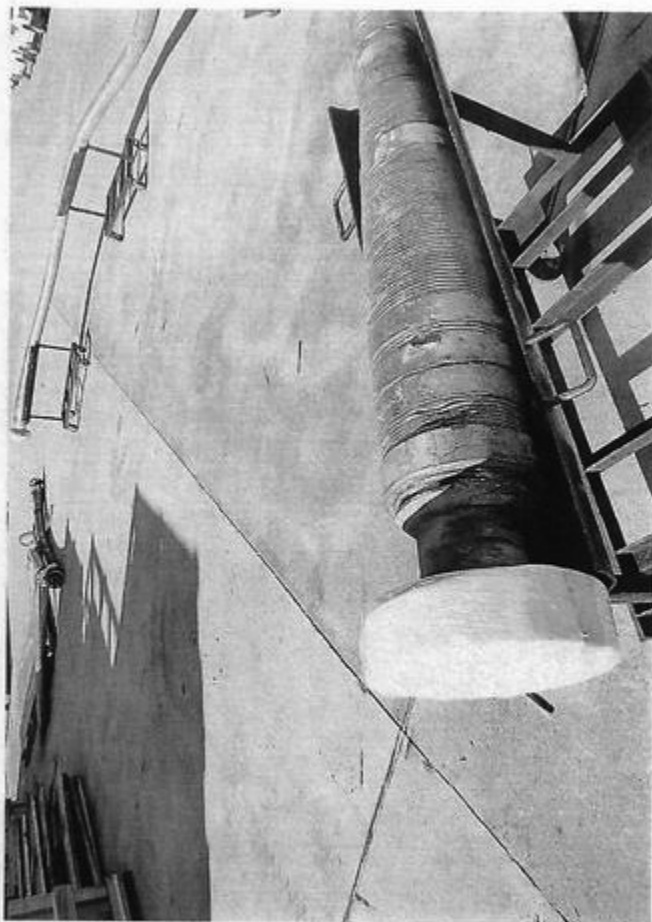
1/25/2024 11:48:06 AM

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 373856

CONDITIONS

| | |
|---|--|
| Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707 | OGRID: 5380 |
| | Action Number: 373856 |
| | 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. | 8/26/2024 |