

<b>Well Name:</b> CORRAL CANYON 17-5 FEDERAL	<b>Well Location:</b> T25S / R29E / SEC 17 / SESW / 32.123872 / -104.007148	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 803H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM96848	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b>	<b>Operator:</b> XTO ENERGY INCORPORATED	

Notice of Intent

**Sundry ID:** 2795157

<b>Type of Submission:</b> Notice of Intent	<b>Type of Action:</b> APD Change
<b>Date Sundry Submitted:</b> 06/13/2024	<b>Time Sundry Submitted:</b> 06:29
<b>Date proposed operation will begin:</b> 07/23/2024	

**Procedure Description:** This request is for the well formally known as CORRAL CANYON 17-5 FEDERAL 803H and currently CORRAL 17-5 FED COM 803H. The API number for this well is 30-015-55118. XTO Energy Incorporated respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, FTP, LTP, BHL, Property name, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: SHL: 374' FSL & 2476' FWL OF SECTION 17-T25S-R29E 344' FSL & 2475' FWL OF SECTION 17-T25S-R29E FTP: 100' FSL & 1320' FEL OF SECTION 17-T25S-R29E 100' FSL & 1455' FEL OF SECTION 17-T25S-R29E LTP: 100' FNL & 1320' FEL OF SECTION 5-T25S-R29E 100' FNL & 1455' FEL OF SECTION 5-T25S-R29E BHL: 50' FNL & 1320' FEL OF SECTION 5-T25S-R29E 50' FNL & 1455' FEL OF SECTION 5-T25S-R29E The proposed total depth is changing from 25342' MD; 9044' TVD (Willow Lake/Bone Spring) to 25667' MD; 9097' 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\_5\_Fed\_Com\_803H\_\_\_BLM\_APD\_Change\_Sundry\_Attachments\_20240813072457.pdf

Received by OCD: 8/13/2024 9:46:37 AM

Page 2 of 37

Well Name: CORRAL CANYON 17-5 FEDERAL	Well Location: T25S / R29E / SEC 17 / SESW / 32.123872 / -104.007148	County or Parish/State: EDDY / NM
Well Number: 803H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM96848	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: XTO ENERGY INCORPORATED	

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 07:24 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: 08/13/2024
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

The proposed total depth is changing from 25342 MD; 9044 TVD (Willow Lake/Bone Spring) to 25667 MD; 9097 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.

### Location of Well

0. SHL: SESW / 374 FSL / 2476 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.123872 / LONG: -104.007148 ( TVD: 0 feet, MD: 0 feet )

PPP: SWNE / 2650 FNL / 1318 FEL / TWSP: 25S / RANGE: 29E / SECTION: 8 / LAT: 32.144655 / LONG: -104.002313 ( TVD: 9044 feet, MD: 17600 feet )

PPP: SWNE / 2310 FNL / 1320 FEL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.13552 / LONG: -104.002299 ( TVD: 9044 feet, MD: 12300 feet )

PPP: SWSE / 100 FSL / 1320 FEL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.123055 / LONG: -104.002287 ( TVD: 9044 feet, MD: 9600 feet )

BHL: NWNE / 50 FNL / 1320 FEL / TWSP: 25S / RANGE: 29E / SECTION: 5 / LAT: 32.166344 / LONG: -104.00234 ( TVD: 9044 feet, MD: 25342 feet )

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



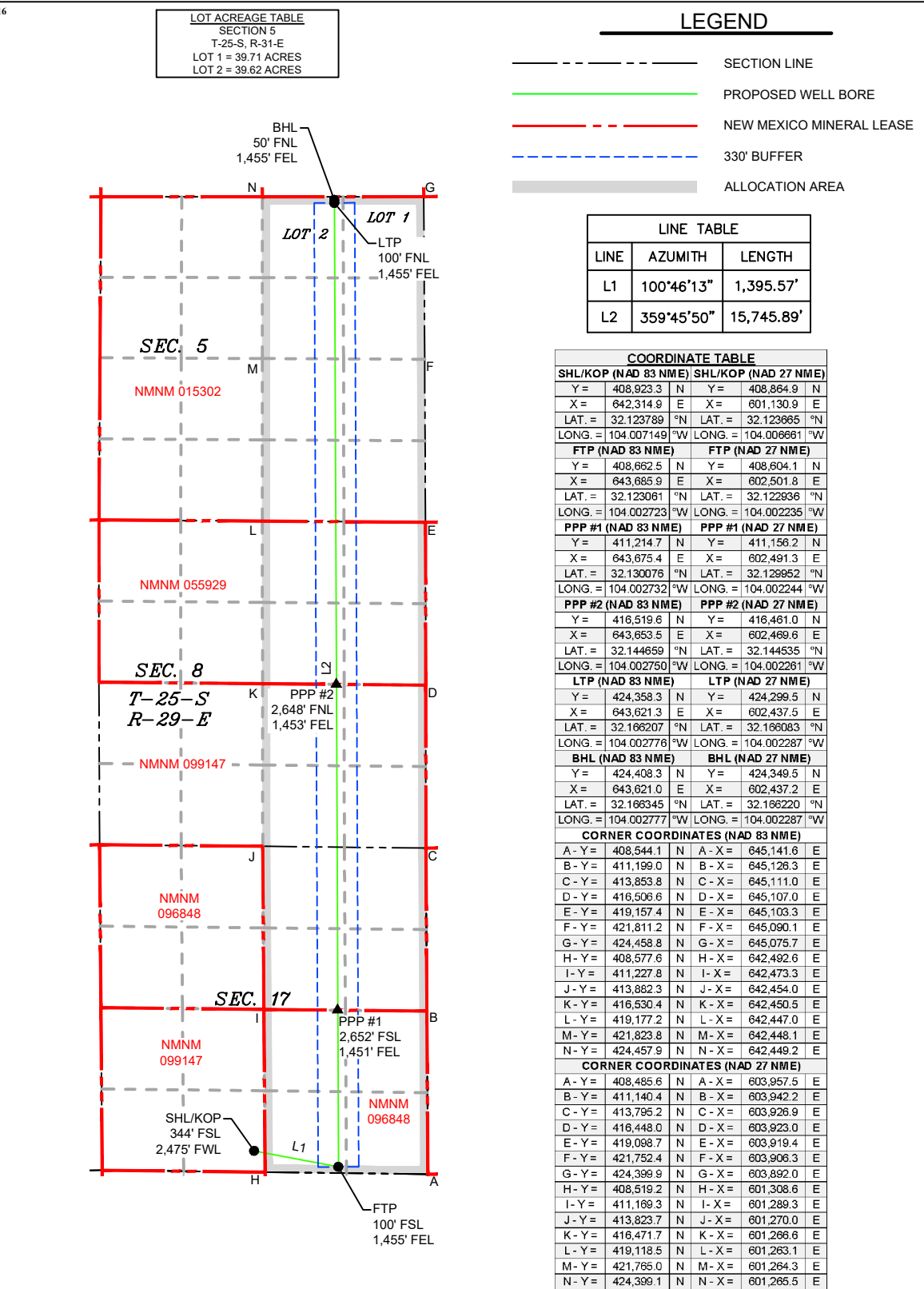
WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-55118	<sup>2</sup> Pool Code 96217	<sup>3</sup> Pool Name WILLOW LAKE, BONE SPRING, SOUTHEAST
<sup>4</sup> Property Code	<sup>5</sup> Property Name CORRAL 17-5 FED COM	<sup>6</sup> Well Number 803H
<sup>7</sup> OGRID No. 005380	<sup>8</sup> Operator Name XTO ENERGY, INC	<sup>9</sup> Elevation 2,974'

<sup>10</sup> Surface Location									
UL or lot no. N	Section 17	Township 25 S	Range 29 E	Lot Idn	Feet from the 344	North/South line SOUTH	Feet from the 2,475	East/West line WEST	County EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. 2	Section 5	Township 25 S	Range 29 E	Lot Idn	Feet from the 50	North/South line NORTH	Feet from the 1,455	East/West line EAST	County EDDY
<sup>12</sup> Dedicated Acres 959.33	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

Signature: *Jena Austin* Date: 7/11/2024

Printed Name: Jena Austin

E-mail Address: jena.n.austin@exxonmobil.com

**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.

Date of Survey: 7/9/2024

Signature and Seal of Professional Surveyor: *Mark Dillon Harp*

MARK DILLON HARP 23786  
Certificate Number

DB/AI/AR 618.013013.03-20

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 803H  
Projected TD: 25667.21' MD / 9097' TVD  
SHL: 344' FSL & 2475' FWL , Section 17, T25S, R29E  
BHL: 50' FNL & 1455' FEL , 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
Top of Salt	612'	Water
Base of Salt	2730'	Water
Delaware	2930'	Water
Brushy Canyon	5428'	Water/Oil/Gas
Bone Spring	6686'	Water
1st Bone Spring	7603'	Water/Oil/Gas
2nd Bone Spring	8441'	Water/Oil/Gas
3rd Bone Spring	9072'	Water/Oil/Gas
<b>Target/Land Curve</b>	<b>9097'</b>	<b>Water/Oil/Gas</b>

\*\*\* 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 @ 577' (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 8596.99' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 25667.21 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 8296.99 feet).

**3. Casing Design**

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 577'	9.625	40	J-55	BTC	New	1.85	10.91	27.30
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	3.19	2.86	2.19
8.75	4000' – 8596.99'	7.625	29.7	HC L-80	Flush Joint	New	2.32	2.67	2.97
6.75	0' – 8496.99'	5.5	20	RY P-110	Semi-Premium	New	1.26	2.39	2.08
6.75	8496.99' - 25667.21'	5.5	20	RY P-110	Semi-Flush	New	1.26	2.23	2.08

· 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 +/- 577'***Lead: 90 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft<sup>3</sup>/sx, 10.13 gal/sx water)Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft<sup>3</sup>/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 +/- 8596.99'*****1st Stage**Optional Lead: 290 sxs Class C (mixed at 10.5 ppg, 2.77 ft<sup>3</sup>/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 290 sxs Class C (mixed at 14.8 ppg, 1.35 ft<sup>3</sup>/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 5428

Compressives:           12-hr =           900 psi           24 hr = 1150 psi

**2nd Stage**Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft<sup>3</sup>/sx, 9.61 gal/sx water)Tail: 610 sxs Class C (mixed at 14.8 ppg, 1.33 ft<sup>3</sup>/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 (5428') 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 +/- 25667.21'**

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water)	Top of Cement:	8296.99 feet
Tail: 1210 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water)	Top of Cement:	8796.99 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. 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' - 577'	12.25	FW/Native	8.4-8.9	35-40	NC	Fresh water or Native water
577' - 8596.99'	8.75	Saturated brine for salt interval / Direct Emulsion	10-10.5	30-32	NC	Fully saturated salt across salado / salt
8596.99' - 25667.21'	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 4967 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 803H\_Updated

Measured Depth: 25667.00 ft

TVD RKB: 9097.00 ft

### Location

Cartographic Reference System: New Mexico East - NAD 27

Northing: 408864.90 ft

Easting: 601130.90 ft

RKB: 3007.00 ft

Ground Level: 2974.00 ft

North Reference: Grid

Convergence Angle: 0.17 Deg

### Plan Sections

Corral 17-5 Fed Com 803H\_Updated

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	
1350.00	5.00	147.00	1349.68	-9.14	5.94	2.00	0.00	2.00	
2812.65	33.85	125.30	2715.41	-304.42	381.28	1.97	-1.48	2.00	
4123.82	33.85	125.30	3804.37	-726.43	977.30	0.00	0.00	0.00	
5816.18	0.00	0.00	5400.00	-1006.99	1373.54	-2.00	0.00	2.00	
8796.99	0.00	0.00	8380.80	-1006.99	1373.54	0.00	0.00	0.00	
9921.99	90.00	359.76	9097.00	-290.80	1370.60	8.00	0.00	8.00	803H FTP
25617.21	90.00	359.76	9097.00	15404.30	1306.23	0.00	0.00	0.00	803H LTP
25667.21	90.00	359.76	9097.00	15454.30	1306.02	0.00	0.00	0.00	803H BHL

### Position Uncertainty

Corral 17-5 Fed Com 803H\_Updated

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	Error	Azimuth	Used
(ft)	(°)	(°)	(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	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	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	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	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	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	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	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	90.000	XOM_R2OWSG MWD+IFR1+MS
800.000	0.000	0.000	800.000	2.868	0.000	2.688	0.000	2.480	0.000	0.000	2.868	2.688	90.000	90.000	XOM_R2OWSG MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.225	0.000	3.047	0.000	2.524	0.000	0.000	3.225	3.047	90.000	90.000	XOM_R2OWSG MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	3.585	0.000	3.404	0.000	2.573	0.000	0.000	3.585	3.404	90.000	90.000	XOM_R2OWSG MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	3.942	0.000	3.763	0.000	2.626	0.000	0.000	3.942	3.763	90.000	90.000	XOM_R2OWSG MWD+IFR1+MS
1200.000	1.999	147.000	1199.980	4.356	0.000	4.159	-0.000	2.681	0.000	0.000	4.285	4.105	90.000	90.000	XOM_R2OWSG MWD+IFR1+MS
1300.000	4.000	147.000	1299.838	4.821	0.000	4.488	-0.000	2.737	0.000	0.000	4.616	4.434	89.888	89.888	XOM_R2OWSG MWD+IFR1+MS
1350.000	5.000	147.000	1349.683	5.059	0.000	4.655	-0.000	2.765	0.000	0.000	4.784	4.600	89.730	89.730	XOM_R2OWSG MWD+IFR1+MS
1400.000	5.921	142.900	1399.456	5.264	0.000	4.835	-0.000	2.793	0.000	0.000	4.953	4.768	89.709	89.709	XOM_R2OWSG MWD+IFR1+MS
1500.000	7.823	137.600	1498.734	5.686	0.000	5.192	-0.000	2.854	0.000	0.000	5.292	5.106	90.054	90.054	XOM_R2OWSG MWD+IFR1+MS
1600.000	9.763	134.400	1597.554	6.122	0.000	5.549	-0.000	2.914	0.000	0.000	5.637	5.451	90.623	90.623	XOM_R2OWSG MWD+IFR1+MS

1700.000	11.720	132.300	1695.797	6.567	0.000	5.909	-0.000	2.977	0.000	0.000	5.988	5.800	91.725	XOM_R2OWSG MWD+IFR1+MS
1800.000	13.690	130.800	1793.342	7.020	0.000	6.274	-0.000	3.043	0.000	0.000	6.343	6.153	93.484	XOM_R2OWSG MWD+IFR1+MS
1900.000	15.670	129.600	1890.070	7.476	0.000	6.647	-0.000	3.113	0.000	0.000	6.705	6.512	96.044	XOM_R2OWSG MWD+IFR1+MS
2000.000	17.650	128.700	1985.865	7.938	0.000	7.027	-0.000	3.187	0.000	0.000	7.075	6.873	99.349	XOM_R2OWSG MWD+IFR1+MS
2100.000	19.640	128.000	2080.608	8.405	0.000	7.417	-0.000	3.270	0.000	0.000	7.454	7.237	103.315	XOM_R2OWSG MWD+IFR1+MS
2200.000	21.630	127.400	2174.185	8.874	0.000	7.819	-0.000	3.359	0.000	0.000	7.847	7.604	107.484	XOM_R2OWSG MWD+IFR1+MS
2300.000	23.620	126.900	2266.482	9.348	0.000	8.235	-0.000	3.460	0.000	0.000	8.254	7.972	111.570	XOM_R2OWSG MWD+IFR1+MS
2400.000	25.610	126.500	2357.386	9.825	0.000	8.665	-0.000	3.572	0.000	0.000	8.678	8.340	115.091	XOM_R2OWSG MWD+IFR1+MS
2500.000	27.610	126.100	2446.786	10.304	0.000	9.112	-0.000	3.699	0.000	0.000	9.120	8.710	118.064	XOM_R2OWSG MWD+IFR1+MS
2600.000	29.600	125.800	2534.573	10.788	0.000	9.578	-0.000	3.841	0.000	0.000	9.583	9.079	120.348	XOM_R2OWSG MWD+IFR1+MS
2700.000	31.590	125.500	2620.642	11.273	0.000	10.065	-0.000	4.002	0.000	0.000	10.067	9.449	122.076	XOM_R2OWSG MWD+IFR1+MS
2800.000	33.590	125.300	2704.886	11.761	0.000	10.571	-0.000	4.184	0.000	0.000	10.572	9.815	123.347	XOM_R2OWSG MWD+IFR1+MS
2812.600	33.840	125.300	2715.411	11.828	0.000	10.639	-0.000	4.200	0.000	0.000	10.640	9.869	123.457	XOM_R2OWSG MWD+IFR1+MS
2900.000	33.840	125.300	2787.954	12.292	0.000	11.098	-0.000	4.391	0.000	0.000	11.098	10.185	124.294	XOM_R2OWSG MWD+IFR1+MS
3000.000	33.840	125.300	2871.007	12.838	0.000	11.640	-0.000	4.622	0.000	0.000	11.640	10.555	124.925	XOM_R2OWSG MWD+IFR1+MS
3100.000	33.840	125.300	2954.060	13.395	0.000	12.194	-0.000	4.861	0.000	0.000	12.194	10.932	125.404	XOM_R2OWSG MWD+IFR1+MS
3200.000	33.840	125.300	3037.112	13.957	0.000	12.755	-0.000	5.108	0.000	0.000	12.755	11.310	125.777	XOM_R2OWSG MWD+IFR1+MS
3300.000	33.840	125.300	3120.165	14.528	0.000	13.324	-0.000	5.363	0.000	0.000	13.324	11.694	126.076	XOM_R2OWSG MWD+IFR1+MS
3400.000	33.840	125.300	3203.218	15.109	0.000	13.905	-0.000	5.622	0.000	0.000	13.905	12.085	126.265	XOM_R2OWSG MWD+IFR1+MS
3500.000	33.840	125.300	3286.270	15.690	0.000	14.486	-0.000	5.888	0.000	0.000	14.487	12.476	126.474	XOM_R2OWSG MWD+IFR1+MS

3600.000	33.840	125.300	3369.323	16.281	0.000	15.076	-0.000	6.157	0.000	0.000	15.077	12.872	126.609	XOM_R2OWSG MWD+IFR1+MS
3700.000	33.840	125.300	3452.376	16.877	0.000	15.672	-0.000	6.431	0.000	0.000	15.673	13.272	126.724	XOM_R2OWSG MWD+IFR1+MS
3800.000	33.840	125.300	3535.428	17.476	0.000	16.271	-0.000	6.709	0.000	0.000	16.273	13.675	126.863	XOM_R2OWSG MWD+IFR1+MS
3900.000	33.840	125.300	3618.481	18.080	0.000	16.875	-0.000	6.989	0.000	0.000	16.877	14.080	126.919	XOM_R2OWSG MWD+IFR1+MS
4000.000	33.840	125.300	3701.534	18.687	0.000	17.482	-0.000	7.273	0.000	0.000	17.484	14.488	127.003	XOM_R2OWSG MWD+IFR1+MS
4100.000	33.840	125.300	3784.586	19.295	0.000	18.091	-0.000	7.558	0.000	0.000	18.094	14.897	127.104	XOM_R2OWSG MWD+IFR1+MS
4123.800	33.840	125.300	3804.371	19.441	0.000	18.236	-0.000	7.627	0.000	0.000	18.239	14.995	127.114	XOM_R2OWSG MWD+IFR1+MS
4200.000	32.320	125.200	3868.195	19.877	0.000	18.697	-0.000	7.846	0.000	0.000	18.701	15.310	127.178	XOM_R2OWSG MWD+IFR1+MS
4300.000	30.320	125.200	3953.615	20.418	0.000	19.286	-0.000	8.124	0.000	0.000	19.290	15.722	127.223	XOM_R2OWSG MWD+IFR1+MS
4400.000	28.320	125.200	4040.797	20.907	0.000	19.854	-0.000	8.387	0.000	0.000	19.859	16.135	127.276	XOM_R2OWSG MWD+IFR1+MS
4500.000	26.320	125.200	4129.636	21.345	0.000	20.402	-0.000	8.633	0.000	0.000	20.407	16.551	127.351	XOM_R2OWSG MWD+IFR1+MS
4600.000	24.320	125.200	4220.022	21.726	0.000	20.928	-0.000	8.862	0.000	0.000	20.933	16.964	127.407	XOM_R2OWSG MWD+IFR1+MS
4700.000	22.320	125.200	4311.845	22.051	0.000	21.433	-0.000	9.076	0.000	0.000	21.438	17.375	127.446	XOM_R2OWSG MWD+IFR1+MS
4800.000	20.320	125.200	4404.995	22.316	0.000	21.914	-0.000	9.274	0.000	0.000	21.920	17.783	127.502	XOM_R2OWSG MWD+IFR1+MS
4900.000	18.320	125.200	4499.357	22.519	0.000	22.371	-0.000	9.456	0.000	0.000	22.378	18.183	127.576	XOM_R2OWSG MWD+IFR1+MS
5000.000	16.320	125.200	4594.816	22.663	0.000	22.809	-0.000	9.625	0.000	0.000	22.816	18.578	127.618	XOM_R2OWSG MWD+IFR1+MS
5100.000	14.320	125.200	4691.255	22.742	0.000	23.224	-0.000	9.780	0.000	0.000	23.231	18.964	127.682	XOM_R2OWSG MWD+IFR1+MS
5200.000	12.320	125.200	4788.559	22.758	0.000	23.618	-0.000	9.922	0.000	0.000	23.625	19.340	127.734	XOM_R2OWSG MWD+IFR1+MS
5300.000	10.320	125.200	4886.607	22.707	0.000	23.990	-0.000	10.050	0.000	0.000	23.998	19.705	127.777	XOM_R2OWSG MWD+IFR1+MS
5400.000	8.323	125.200	4985.281	22.594	0.000	24.344	-0.000	10.173	0.000	0.000	24.352	20.060	127.832	XOM_R2OWSG MWD+IFR1+MS



5500.000	6.323	125.200	5084.460	22.415	0.000	24.678	-0.000	10.286	0.000	0.000	24.686	20.403	127.880	XOM_R2OWSG MWD+IFR1+MS
5600.000	4.323	125.200	5184.024	22.169	0.000	24.994	-0.000	10.387	0.000	0.000	25.003	20.733	127.916	XOM_R2OWSG MWD+IFR1+MS
5700.000	2.323	125.200	5283.851	21.858	0.000	25.293	-0.000	10.483	0.000	0.000	25.302	21.050	127.967	XOM_R2OWSG MWD+IFR1+MS
5800.000	0.324	125.200	5383.819	21.481	0.000	25.576	-0.000	10.574	0.000	0.000	25.585	21.355	128.006	XOM_R2OWSG MWD+IFR1+MS
5816.100	0.000	0.000	5400.000	24.114	0.000	23.093	0.000	10.588	0.000	0.000	25.628	21.401	127.985	XOM_R2OWSG MWD+IFR1+MS
5900.000	0.000	0.000	5483.818	24.341	0.000	23.313	0.000	10.663	0.000	0.000	25.842	21.638	127.895	XOM_R2OWSG MWD+IFR1+MS
6000.000	0.000	0.000	5583.818	24.615	0.000	23.578	0.000	10.752	0.000	0.000	26.100	21.923	127.782	XOM_R2OWSG MWD+IFR1+MS
6100.000	0.000	0.000	5683.818	24.890	0.000	23.843	0.000	10.844	0.000	0.000	26.358	22.209	127.670	XOM_R2OWSG MWD+IFR1+MS
6200.000	0.000	0.000	5783.818	25.167	0.000	24.112	0.000	10.941	0.000	0.000	26.621	22.498	127.561	XOM_R2OWSG MWD+IFR1+MS
6300.000	0.000	0.000	5883.818	25.448	0.000	24.384	0.000	11.036	0.000	0.000	26.886	22.790	127.450	XOM_R2OWSG MWD+IFR1+MS
6400.000	0.000	0.000	5983.818	25.729	0.000	24.658	0.000	11.136	0.000	0.000	27.152	23.082	127.342	XOM_R2OWSG MWD+IFR1+MS
6500.000	0.000	0.000	6083.818	26.013	0.000	24.934	0.000	11.243	0.000	0.000	27.421	23.377	127.234	XOM_R2OWSG MWD+IFR1+MS
6600.000	0.000	0.000	6183.818	26.298	0.000	25.211	0.000	11.345	0.000	0.000	27.691	23.673	127.129	XOM_R2OWSG MWD+IFR1+MS
6700.000	0.000	0.000	6283.818	26.586	0.000	25.491	0.000	11.454	0.000	0.000	27.964	23.971	127.024	XOM_R2OWSG MWD+IFR1+MS
6800.000	0.000	0.000	6383.818	26.874	0.000	25.772	0.000	11.567	0.000	0.000	28.237	24.271	126.914	XOM_R2OWSG MWD+IFR1+MS
6900.000	0.000	0.000	6483.818	27.164	0.000	26.056	0.000	11.683	0.000	0.000	28.514	24.571	126.813	XOM_R2OWSG MWD+IFR1+MS
7000.000	0.000	0.000	6583.818	27.457	0.000	26.340	0.000	11.798	0.000	0.000	28.793	24.873	126.700	XOM_R2OWSG MWD+IFR1+MS
7100.000	0.000	0.000	6683.818	27.751	0.000	26.627	0.000	11.921	0.000	0.000	29.072	25.178	126.593	XOM_R2OWSG MWD+IFR1+MS
7200.000	0.000	0.000	6783.818	28.046	0.000	26.917	0.000	12.046	0.000	0.000	29.355	25.483	126.495	XOM_R2OWSG MWD+IFR1+MS
7300.000	0.000	0.000	6883.818	28.343	0.000	27.207	0.000	12.174	0.000	0.000	29.638	25.789	126.398	XOM_R2OWSG MWD+IFR1+MS

7400.000	0.000	0.000	6983.818	28.641	0.000	27.499	0.000	12.300	0.000	0.000	29.923	26.099	126.294	XOM_R2OWSG MWD+IFR1+MS
7500.000	0.000	0.000	7083.818	28.940	0.000	27.792	0.000	12.434	0.000	0.000	30.209	26.407	126.199	XOM_R2OWSG MWD+IFR1+MS
7600.000	0.000	0.000	7183.818	29.240	0.000	28.087	0.000	12.570	0.000	0.000	30.498	26.717	126.105	XOM_R2OWSG MWD+IFR1+MS
7700.000	0.000	0.000	7283.818	29.543	0.000	28.385	0.000	12.712	0.000	0.000	30.787	27.030	126.004	XOM_R2OWSG MWD+IFR1+MS
7800.000	0.000	0.000	7383.818	29.846	0.000	28.683	0.000	12.853	0.000	0.000	31.079	27.342	125.911	XOM_R2OWSG MWD+IFR1+MS
7900.000	0.000	0.000	7483.818	30.151	0.000	28.983	0.000	13.000	0.000	0.000	31.372	27.656	125.820	XOM_R2OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7583.818	30.457	0.000	29.283	0.000	13.149	0.000	0.000	31.665	27.972	125.721	XOM_R2OWSG MWD+IFR1+MS
8100.000	0.000	0.000	7683.818	30.764	0.000	29.585	0.000	13.300	0.000	0.000	31.961	28.288	125.631	XOM_R2OWSG MWD+IFR1+MS
8200.000	0.000	0.000	7783.818	31.071	0.000	29.888	0.000	13.457	0.000	0.000	32.258	28.603	125.542	XOM_R2OWSG MWD+IFR1+MS
8300.000	0.000	0.000	7883.818	31.380	0.000	30.193	0.000	13.616	0.000	0.000	32.555	28.922	125.446	XOM_R2OWSG MWD+IFR1+MS
8400.000	0.000	0.000	7983.818	31.686	0.000	30.498	0.000	13.777	0.000	0.000	32.851	29.238	125.383	XOM_R2OWSG MWD+IFR1+MS
8500.000	0.000	0.000	8083.818	32.000	0.000	30.804	0.000	13.943	0.000	0.000	33.154	29.559	125.272	XOM_R2OWSG MWD+IFR1+MS
8600.000	0.000	0.000	8183.818	32.311	0.000	31.113	0.000	14.110	0.000	0.000	33.454	29.880	125.190	XOM_R2OWSG MWD+IFR1+MS
8700.000	0.000	0.000	8283.818	32.619	0.000	31.421	0.000	14.283	0.000	0.000	33.754	30.199	125.141	XOM_R2OWSG MWD+IFR1+MS
8796.900	0.000	0.000	8380.803	32.924	0.000	31.718	0.000	14.453	0.000	0.000	34.048	30.508	125.021	XOM_R2OWSG MWD+IFR1+MS
8800.000	0.241	359.700	8383.818	32.783	0.000	31.735	0.000	14.460	0.000	0.000	34.058	30.513	124.904	XOM_R2OWSG MWD+IFR1+MS
8900.000	8.241	359.700	8483.463	27.770	0.000	32.049	0.000	14.636	0.000	0.000	34.349	30.825	125.072	XOM_R2OWSG MWD+IFR1+MS
9000.000	16.240	359.700	8581.110	21.160	0.000	32.329	0.000	14.805	0.000	0.000	34.634	31.104	125.049	XOM_R2OWSG MWD+IFR1+MS
9100.000	24.240	359.700	8674.858	11.418	0.000	32.575	0.000	14.983	0.000	0.000	34.874	31.334	125.280	XOM_R2OWSG MWD+IFR1+MS
9200.000	32.240	359.700	8762.883	12.310	0.000	32.805	0.000	15.176	0.000	0.000	35.100	31.543	125.523	XOM_R2OWSG MWD+IFR1+MS

9300.000	40.240	359.700	8843.471	19.277	0.000	33.003	0.000	15.395	0.000	0.000	35.277	31.710	125.980	XOM_R2OWSG MWD+IFR1+MS
9400.000	48.240	359.700	8915.054	22.558	0.000	33.184	0.000	15.643	0.000	0.000	35.426	31.859	126.522	XOM_R2OWSG MWD+IFR1+MS
9500.000	56.240	359.700	8976.238	23.426	0.000	33.335	0.000	15.928	0.000	0.000	35.530	31.978	127.136	XOM_R2OWSG MWD+IFR1+MS
9600.000	64.230	359.700	9025.833	22.053	0.000	33.455	0.000	16.260	0.000	0.000	35.597	32.076	127.708	XOM_R2OWSG MWD+IFR1+MS
9700.000	72.230	359.700	9062.873	18.033	0.000	33.559	0.000	16.637	0.000	0.000	35.628	32.166	128.349	XOM_R2OWSG MWD+IFR1+MS
9800.000	80.230	359.700	9086.637	8.851	0.000	33.648	0.000	17.053	0.000	0.000	35.632	32.255	128.958	XOM_R2OWSG MWD+IFR1+MS
9900.000	88.230	359.700	9096.663	15.309	0.000	33.707	0.000	17.504	0.000	0.000	35.610	32.340	129.289	XOM_R2OWSG MWD+IFR1+MS
9921.900	90.000	359.700	9097.000	17.607	0.000	33.721	0.000	17.607	0.000	0.000	35.605	32.362	129.376	XOM_R2OWSG MWD+IFR1+MS
10000.000	90.000	359.700	9097.000	17.978	0.000	33.765	0.000	17.978	0.000	0.000	35.579	32.436	129.608	XOM_R2OWSG MWD+IFR1+MS
10100.000	90.000	359.700	9097.000	18.474	0.000	33.839	0.000	18.474	0.000	0.000	35.554	32.541	130.090	XOM_R2OWSG MWD+IFR1+MS
10200.000	90.000	359.700	9097.000	18.989	0.000	33.941	0.000	18.989	0.000	0.000	35.542	32.661	130.903	XOM_R2OWSG MWD+IFR1+MS
10300.000	90.000	359.700	9097.000	19.522	0.000	34.073	0.000	19.522	0.000	0.000	35.543	32.798	132.094	XOM_R2OWSG MWD+IFR1+MS
10400.000	90.000	359.700	9097.000	20.072	0.000	34.219	0.000	20.072	0.000	0.000	35.561	32.946	133.400	XOM_R2OWSG MWD+IFR1+MS
10500.000	90.000	359.700	9097.000	20.635	0.000	34.393	0.000	20.635	0.000	0.000	35.588	33.098	-44.665	XOM_R2OWSG MWD+IFR1+MS
10600.000	90.000	359.700	9097.000	21.216	0.000	34.581	0.000	21.216	0.000	0.000	35.630	33.249	-42.376	XOM_R2OWSG MWD+IFR1+MS
10700.000	90.000	359.700	9097.000	21.806	0.000	34.782	0.000	21.806	0.000	0.000	35.693	33.406	-39.897	XOM_R2OWSG MWD+IFR1+MS
10800.000	90.000	359.700	9097.000	22.410	0.000	35.025	0.000	22.410	0.000	0.000	35.787	33.560	-36.531	XOM_R2OWSG MWD+IFR1+MS
10900.000	90.000	359.700	9097.000	23.024	0.000	35.267	0.000	23.024	0.000	0.000	35.897	33.696	-33.058	XOM_R2OWSG MWD+IFR1+MS
11000.000	90.000	359.700	9097.000	23.647	0.000	35.548	0.000	23.647	0.000	0.000	36.056	33.837	-29.260	XOM_R2OWSG MWD+IFR1+MS
11100.000	90.000	359.700	9097.000	24.282	0.000	35.842	0.000	24.282	0.000	0.000	36.242	33.949	-25.343	XOM_R2OWSG MWD+IFR1+MS

11200.000	90.000	359.700	9097.000	24.924	0.000	36.147	0.000	24.924	0.000	0.000	36.460	34.054	-21.767	XOM_R2OWSG MWD+IFR1+MS
11300.000	90.000	359.700	9097.000	25.575	0.000	36.477	0.000	25.575	0.000	0.000	36.716	34.131	-18.299	XOM_R2OWSG MWD+IFR1+MS
11400.000	90.000	359.700	9097.000	26.232	0.000	36.831	0.000	26.232	0.000	0.000	37.012	34.207	-15.270	XOM_R2OWSG MWD+IFR1+MS
11500.000	90.000	359.700	9097.000	26.896	0.000	37.195	0.000	26.896	0.000	0.000	37.330	34.270	-12.674	XOM_R2OWSG MWD+IFR1+MS
11600.000	90.000	359.700	9097.000	27.568	0.000	37.569	0.000	27.568	0.000	0.000	37.669	34.308	-10.432	XOM_R2OWSG MWD+IFR1+MS
11700.000	90.000	359.700	9097.000	28.244	0.000	37.979	0.000	28.244	0.000	0.000	38.051	34.353	-8.524	XOM_R2OWSG MWD+IFR1+MS
11800.000	90.000	359.700	9097.000	28.926	0.000	38.384	0.000	28.926	0.000	0.000	38.436	34.390	-6.958	XOM_R2OWSG MWD+IFR1+MS
11900.000	90.000	359.700	9097.000	29.614	0.000	38.824	0.000	29.614	0.000	0.000	38.860	34.422	-5.607	XOM_R2OWSG MWD+IFR1+MS
12000.000	90.000	359.700	9097.000	30.305	0.000	39.259	0.000	30.305	0.000	0.000	39.283	34.450	-4.491	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	359.700	9097.000	31.002	0.000	39.727	0.000	31.002	0.000	0.000	39.743	34.460	-3.520	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	359.700	9097.000	31.702	0.000	40.202	0.000	31.702	0.000	0.000	40.211	34.482	-2.713	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	359.700	9097.000	32.404	0.000	40.684	0.000	32.404	0.000	0.000	40.689	34.502	-2.027	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	359.700	9097.000	33.106	0.000	41.184	0.000	33.106	0.000	0.000	41.186	34.521	-1.438	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	359.700	9097.000	33.823	0.000	41.702	0.000	33.823	0.000	0.000	41.703	34.552	-0.935	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	359.700	9097.000	34.540	0.000	42.226	0.000	34.540	0.000	0.000	42.226	34.568	-0.500	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	359.700	9097.000	35.256	0.000	42.767	0.000	35.256	0.000	0.000	42.767	34.583	-0.124	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	359.700	9097.000	35.972	0.000	43.312	0.000	35.972	0.000	0.000	43.313	34.598	0.201	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	359.700	9097.000	36.701	0.000	43.874	0.000	36.701	0.000	0.000	43.875	34.611	0.483	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	359.700	9097.000	37.417	0.000	44.440	0.000	37.417	0.000	0.000	44.442	34.639	0.730	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	359.700	9097.000	38.144	0.000	45.020	0.000	38.144	0.000	0.000	45.025	34.652	0.944	XOM_R2OWSG MWD+IFR1+MS

13200.000	90.000	359.700	9097.000	38.884	0.000	45.616	0.000	38.884	0.000	0.000	45.622	34.665	1.130	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	359.700	9097.000	39.611	0.000	46.214	0.000	39.611	0.000	0.000	46.222	34.692	1.294	XOM_R2OWSG MWD+IFR1+MS
13400.000	90.000	359.700	9097.000	40.348	0.000	46.816	0.000	40.348	0.000	0.000	46.825	34.704	1.437	XOM_R2OWSG MWD+IFR1+MS
13500.000	90.000	359.700	9097.000	41.085	0.000	47.431	0.000	41.085	0.000	0.000	47.442	34.731	1.564	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	359.700	9097.000	41.821	0.000	48.059	0.000	41.821	0.000	0.000	48.072	34.743	1.672	XOM_R2OWSG MWD+IFR1+MS
13700.000	90.000	359.700	9097.000	42.556	0.000	48.689	0.000	42.556	0.000	0.000	48.704	34.769	1.769	XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	359.700	9097.000	43.301	0.000	49.331	0.000	43.301	0.000	0.000	49.349	34.795	1.854	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	359.700	9097.000	44.045	0.000	49.975	0.000	44.045	0.000	0.000	49.995	34.807	1.926	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	359.700	9097.000	44.788	0.000	50.631	0.000	44.788	0.000	0.000	50.652	34.833	1.991	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	359.700	9097.000	45.530	0.000	51.297	0.000	45.530	0.000	0.000	51.321	34.860	2.047	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	359.700	9097.000	46.282	0.000	51.965	0.000	46.282	0.000	0.000	51.990	34.886	2.096	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	359.700	9097.000	47.032	0.000	52.634	0.000	47.032	0.000	0.000	52.661	34.898	2.137	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	359.700	9097.000	47.781	0.000	53.313	0.000	47.781	0.000	0.000	53.342	34.924	2.173	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	359.700	9097.000	48.528	0.000	54.003	0.000	48.528	0.000	0.000	54.033	34.950	2.204	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	359.700	9097.000	49.275	0.000	54.692	0.000	49.275	0.000	0.000	54.724	34.976	2.231	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	359.700	9097.000	50.030	0.000	55.391	0.000	50.030	0.000	0.000	55.424	35.002	2.253	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	359.700	9097.000	50.784	0.000	56.091	0.000	50.784	0.000	0.000	56.125	35.028	2.272	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	359.700	9097.000	51.536	0.000	56.799	0.000	51.536	0.000	0.000	56.835	35.054	2.287	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	359.700	9097.000	52.297	0.000	57.507	0.000	52.297	0.000	0.000	57.544	35.081	2.300	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	359.700	9097.000	53.047	0.000	58.224	0.000	53.047	0.000	0.000	58.262	35.121	2.310	XOM_R2OWSG MWD+IFR1+MS

15200.000	90.000	359.700	9097.000	53.805	0.000	58.949	0.000	53.805	0.000	0.000	58.989	35.147	2.316	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	359.700	9097.000	54.562	0.000	59.674	0.000	54.562	0.000	0.000	59.714	35.174	2.321	XOM_R2OWSG MWD+IFR1+MS
15400.000	90.000	359.700	9097.000	55.326	0.000	60.398	0.000	55.326	0.000	0.000	60.440	35.200	2.325	XOM_R2OWSG MWD+IFR1+MS
15500.000	90.000	359.700	9097.000	56.080	0.000	61.138	0.000	56.080	0.000	0.000	61.181	35.240	2.325	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	359.700	9097.000	56.842	0.000	61.869	0.000	56.842	0.000	0.000	61.913	35.267	2.326	XOM_R2OWSG MWD+IFR1+MS
15700.000	90.000	359.700	9097.000	57.602	0.000	62.616	0.000	57.602	0.000	0.000	62.661	35.307	2.322	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	359.700	9097.000	58.361	0.000	63.354	0.000	58.361	0.000	0.000	63.400	35.334	2.320	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	359.700	9097.000	59.127	0.000	64.107	0.000	59.127	0.000	0.000	64.154	35.374	2.317	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	359.700	9097.000	59.883	0.000	64.859	0.000	59.883	0.000	0.000	64.906	35.400	2.310	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	359.700	9097.000	60.647	0.000	65.610	0.000	60.647	0.000	0.000	65.658	35.441	2.306	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	359.700	9097.000	61.417	0.000	66.367	0.000	61.417	0.000	0.000	66.416	35.481	2.298	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	359.700	9097.000	62.177	0.000	67.131	0.000	62.177	0.000	0.000	67.180	35.508	2.291	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	359.700	9097.000	62.944	0.000	67.893	0.000	62.944	0.000	0.000	67.943	35.548	2.282	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	359.700	9097.000	63.710	0.000	68.655	0.000	63.710	0.000	0.000	68.705	35.589	2.273	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	359.700	9097.000	64.475	0.000	69.429	0.000	64.475	0.000	0.000	69.481	35.629	2.263	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	359.700	9097.000	65.238	0.000	70.195	0.000	65.238	0.000	0.000	70.247	35.656	2.253	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	359.700	9097.000	66.008	0.000	70.974	0.000	66.008	0.000	0.000	71.027	35.696	2.242	XOM_R2OWSG MWD+IFR1+MS
16900.000	90.000	359.700	9097.000	66.776	0.000	71.752	0.000	66.776	0.000	0.000	71.804	35.737	2.231	XOM_R2OWSG MWD+IFR1+MS
17000.000	90.000	359.700	9097.000	67.543	0.000	72.528	0.000	67.543	0.000	0.000	72.581	35.777	2.221	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	359.700	9097.000	68.308	0.000	73.309	0.000	68.308	0.000	0.000	73.363	35.818	2.209	XOM_R2OWSG MWD+IFR1+MS



17200.000	90.000	359.700	9097.000	69.072	0.000	74.089	0.000	69.072	0.000	0.000	74.143	35.858	2.198	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	359.700	9097.000	69.843	0.000	74.874	0.000	69.843	0.000	0.000	74.929	35.899	2.186	XOM_R2OWSG MWD+IFR1+MS
17400.000	90.000	359.700	9097.000	70.612	0.000	75.664	0.000	70.612	0.000	0.000	75.719	35.953	2.175	XOM_R2OWSG MWD+IFR1+MS
17500.000	90.000	359.700	9097.000	71.379	0.000	76.453	0.000	71.379	0.000	0.000	76.508	35.993	2.162	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	359.700	9097.000	72.153	0.000	77.247	0.000	72.153	0.000	0.000	77.302	36.034	2.149	XOM_R2OWSG MWD+IFR1+MS
17700.000	90.000	359.700	9097.000	72.918	0.000	78.038	0.000	72.918	0.000	0.000	78.094	36.074	2.136	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	359.700	9097.000	73.689	0.000	78.835	0.000	73.689	0.000	0.000	78.891	36.128	2.124	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	359.700	9097.000	74.458	0.000	79.630	0.000	74.458	0.000	0.000	79.686	36.168	2.111	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	359.700	9097.000	75.233	0.000	80.429	0.000	75.233	0.000	0.000	80.486	36.209	2.099	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	359.700	9097.000	76.000	0.000	81.233	0.000	76.000	0.000	0.000	81.290	36.263	2.086	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	359.700	9097.000	76.772	0.000	82.035	0.000	76.772	0.000	0.000	82.092	36.303	2.072	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	359.700	9097.000	77.544	0.000	82.836	0.000	77.544	0.000	0.000	82.893	36.357	2.060	XOM_R2OWSG MWD+IFR1+MS
18400.000	90.000	359.700	9097.000	78.320	0.000	83.646	0.000	78.320	0.000	0.000	83.703	36.411	2.046	XOM_R2OWSG MWD+IFR1+MS
18500.000	90.000	359.700	9097.000	79.089	0.000	84.449	0.000	79.089	0.000	0.000	84.506	36.451	2.033	XOM_R2OWSG MWD+IFR1+MS
18600.000	90.000	359.700	9097.000	79.862	0.000	85.256	0.000	79.862	0.000	0.000	85.313	36.505	2.020	XOM_R2OWSG MWD+IFR1+MS
18700.000	90.000	359.700	9097.000	80.635	0.000	86.067	0.000	80.635	0.000	0.000	86.125	36.559	2.008	XOM_R2OWSG MWD+IFR1+MS
18800.000	90.000	359.700	9097.000	81.406	0.000	86.882	0.000	81.406	0.000	0.000	86.940	36.599	1.994	XOM_R2OWSG MWD+IFR1+MS
18900.000	90.000	359.700	9097.000	82.183	0.000	87.690	0.000	82.183	0.000	0.000	87.747	36.652	1.982	XOM_R2OWSG MWD+IFR1+MS
19000.000	90.000	359.700	9097.000	82.952	0.000	88.507	0.000	82.952	0.000	0.000	88.564	36.706	1.968	XOM_R2OWSG MWD+IFR1+MS
19100.000	90.000	359.700	9097.000	83.726	0.000	89.322	0.000	83.726	0.000	0.000	89.380	36.760	1.956	XOM_R2OWSG MWD+IFR1+MS

19200.000	90.000	359.700	9097.000	84.499	0.000	90.135	0.000	84.499	0.000	0.000	90.193	36.813	1.944	XOM_R2OWSG MWD+IFR1+MS
19300.000	90.000	359.700	9097.000	85.276	0.000	90.953	0.000	85.276	0.000	0.000	91.010	36.867	1.930	XOM_R2OWSG MWD+IFR1+MS
19400.000	90.000	359.700	9097.000	86.046	0.000	91.773	0.000	86.046	0.000	0.000	91.831	36.920	1.918	XOM_R2OWSG MWD+IFR1+MS
19500.000	90.000	359.700	9097.000	86.822	0.000	92.592	0.000	86.822	0.000	0.000	92.650	36.973	1.905	XOM_R2OWSG MWD+IFR1+MS
19600.000	90.000	359.700	9097.000	87.596	0.000	93.414	0.000	87.596	0.000	0.000	93.472	37.027	1.892	XOM_R2OWSG MWD+IFR1+MS
19700.000	90.000	359.700	9097.000	88.374	0.000	94.235	0.000	88.374	0.000	0.000	94.293	37.080	1.880	XOM_R2OWSG MWD+IFR1+MS
19800.000	90.000	359.700	9097.000	89.146	0.000	95.059	0.000	89.146	0.000	0.000	95.116	37.133	1.868	XOM_R2OWSG MWD+IFR1+MS
19900.000	90.000	359.700	9097.000	89.922	0.000	95.886	0.000	89.922	0.000	0.000	95.944	37.186	1.855	XOM_R2OWSG MWD+IFR1+MS
20000.000	90.000	359.700	9097.000	90.697	0.000	96.711	0.000	90.697	0.000	0.000	96.769	37.253	1.843	XOM_R2OWSG MWD+IFR1+MS
20100.000	90.000	359.700	9097.000	91.471	0.000	97.535	0.000	91.471	0.000	0.000	97.593	37.305	1.831	XOM_R2OWSG MWD+IFR1+MS
20200.000	90.000	359.700	9097.000	92.250	0.000	98.362	0.000	92.250	0.000	0.000	98.419	37.358	1.819	XOM_R2OWSG MWD+IFR1+MS
20300.000	90.000	359.700	9097.000	93.022	0.000	99.192	0.000	93.022	0.000	0.000	99.249	37.425	1.807	XOM_R2OWSG MWD+IFR1+MS
20400.000	90.000	359.700	9097.000	93.798	0.000	99.985	0.000	93.798	0.000	0.000	100.042	37.477	1.797	XOM_R2OWSG MWD+IFR1+MS
20500.000	90.000	359.700	9097.000	94.573	0.000	100.831	0.000	94.573	0.000	0.000	100.889	37.543	1.784	XOM_R2OWSG MWD+IFR1+MS
20600.000	90.000	359.700	9097.000	95.352	0.000	101.670	0.000	95.352	0.000	0.000	101.728	37.596	1.772	XOM_R2OWSG MWD+IFR1+MS
20700.000	90.000	359.700	9097.000	96.125	0.000	102.503	0.000	96.125	0.000	0.000	102.560	37.662	1.760	XOM_R2OWSG MWD+IFR1+MS
20800.000	90.000	359.700	9097.000	96.902	0.000	103.329	0.000	96.902	0.000	0.000	103.386	37.714	1.749	XOM_R2OWSG MWD+IFR1+MS
20900.000	90.000	359.700	9097.000	97.678	0.000	104.148	0.000	97.678	0.000	0.000	104.205	37.780	1.738	XOM_R2OWSG MWD+IFR1+MS
21000.000	90.000	359.700	9097.000	98.458	0.000	105.008	0.000	98.458	0.000	0.000	105.065	37.846	1.726	XOM_R2OWSG MWD+IFR1+MS
21100.000	90.000	359.700	9097.000	99.232	0.000	105.814	0.000	99.232	0.000	0.000	105.871	37.898	1.715	XOM_R2OWSG MWD+IFR1+MS

21200.000	90.000	359.700	9097.000	100.000	0.000	106.661	0.000	100.000	0.000	0.000	106.718	37.963	1.704	XOM_R2OWSG MWD+IFR1+MS
21300.000	90.000	359.700	9097.000	100.747	0.000	107.502	0.000	100.747	0.000	0.000	107.559	38.028	1.693	XOM_R2OWSG MWD+IFR1+MS
21400.000	90.000	359.700	9097.000	101.538	0.000	108.335	0.000	101.538	0.000	0.000	108.392	38.094	1.682	XOM_R2OWSG MWD+IFR1+MS
21500.000	90.000	359.700	9097.000	102.323	0.000	109.163	0.000	102.323	0.000	0.000	109.220	38.159	1.671	XOM_R2OWSG MWD+IFR1+MS
21600.000	90.000	359.700	9097.000	103.102	0.000	110.029	0.000	103.102	0.000	0.000	110.086	38.224	1.659	XOM_R2OWSG MWD+IFR1+MS
21700.000	90.000	359.700	9097.000	103.875	0.000	110.844	0.000	103.875	0.000	0.000	110.901	38.289	1.650	XOM_R2OWSG MWD+IFR1+MS
21800.000	90.000	359.700	9097.000	104.642	0.000	111.698	0.000	104.642	0.000	0.000	111.754	38.354	1.638	XOM_R2OWSG MWD+IFR1+MS
21900.000	90.000	359.700	9097.000	105.451	0.000	112.545	0.000	105.451	0.000	0.000	112.601	38.418	1.628	XOM_R2OWSG MWD+IFR1+MS
22000.000	90.000	359.700	9097.000	106.207	0.000	113.386	0.000	106.207	0.000	0.000	113.442	38.483	1.617	XOM_R2OWSG MWD+IFR1+MS
22100.000	90.000	359.700	9097.000	107.005	0.000	114.220	0.000	107.005	0.000	0.000	114.276	38.547	1.607	XOM_R2OWSG MWD+IFR1+MS
22200.000	90.000	359.700	9097.000	107.750	0.000	115.049	0.000	107.750	0.000	0.000	115.105	38.612	1.597	XOM_R2OWSG MWD+IFR1+MS
22300.000	90.000	359.700	9097.000	108.536	0.000	115.872	0.000	108.536	0.000	0.000	115.927	38.676	1.588	XOM_R2OWSG MWD+IFR1+MS
22400.000	90.000	359.700	9097.000	109.316	0.000	116.731	0.000	109.316	0.000	0.000	116.787	38.753	1.577	XOM_R2OWSG MWD+IFR1+MS
22500.000	90.000	359.700	9097.000	110.091	0.000	117.585	0.000	110.091	0.000	0.000	117.640	38.817	1.567	XOM_R2OWSG MWD+IFR1+MS
22600.000	90.000	359.700	9097.000	110.860	0.000	118.432	0.000	110.860	0.000	0.000	118.487	38.881	1.557	XOM_R2OWSG MWD+IFR1+MS
22700.000	90.000	359.700	9097.000	111.669	0.000	119.273	0.000	111.669	0.000	0.000	119.328	38.958	1.547	XOM_R2OWSG MWD+IFR1+MS
22800.000	90.000	359.700	9097.000	112.428	0.000	120.108	0.000	112.428	0.000	0.000	120.164	39.022	1.538	XOM_R2OWSG MWD+IFR1+MS
22900.000	90.000	359.700	9097.000	113.225	0.000	120.979	0.000	113.225	0.000	0.000	121.034	39.098	1.528	XOM_R2OWSG MWD+IFR1+MS
23000.000	90.000	359.700	9097.000	113.974	0.000	121.803	0.000	113.974	0.000	0.000	121.858	39.162	1.519	XOM_R2OWSG MWD+IFR1+MS
23100.000	90.000	359.700	9097.000	114.761	0.000	122.662	0.000	114.761	0.000	0.000	122.717	39.238	1.509	XOM_R2OWSG MWD+IFR1+MS

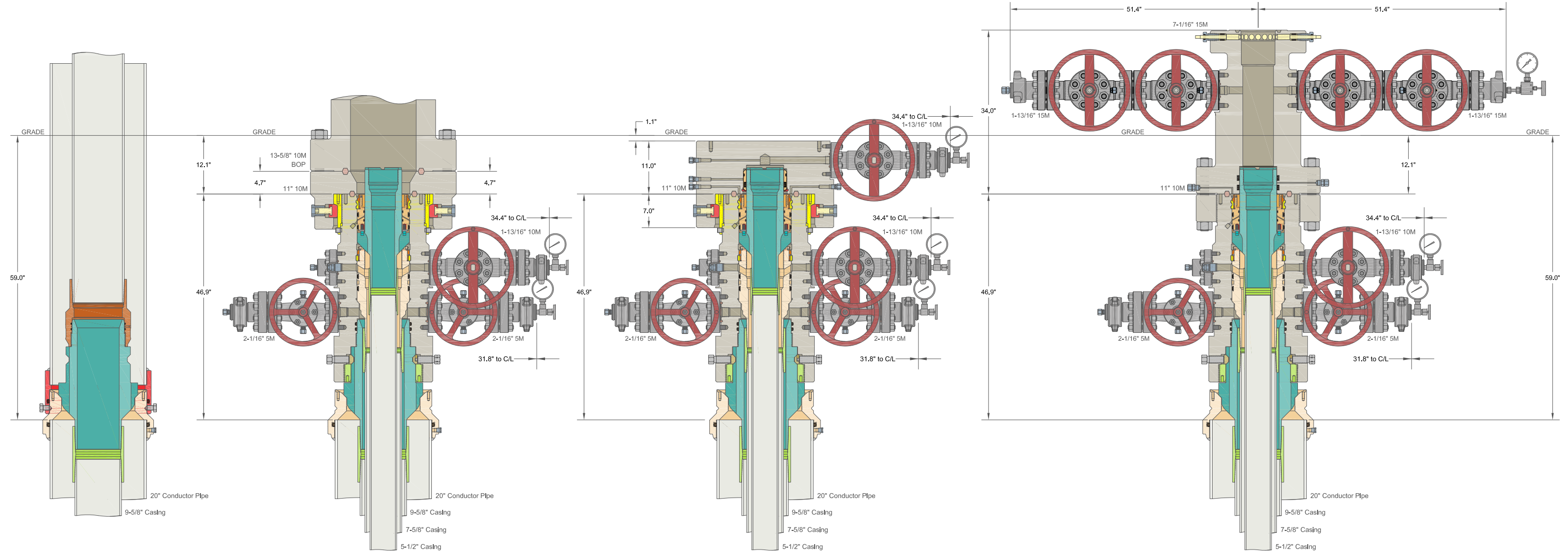
23200.000	90.000	359.700	9097.000	115.542	0.000	123.515	0.000	115.542	0.000	0.000	123.569	39.301	1.499	XOM_R2OWSG MWD+IFR1+MS
23300.000	90.000	359.700	9097.000	116.319	0.000	124.362	0.000	116.319	0.000	0.000	124.416	39.377	1.490	XOM_R2OWSG MWD+IFR1+MS
23400.000	90.000	359.700	9097.000	117.090	0.000	125.203	0.000	117.090	0.000	0.000	125.258	39.453	1.481	XOM_R2OWSG MWD+IFR1+MS
23500.000	90.000	359.700	9097.000	117.898	0.000	126.039	0.000	117.898	0.000	0.000	126.093	39.516	1.472	XOM_R2OWSG MWD+IFR1+MS
23600.000	90.000	359.700	9097.000	118.659	0.000	126.908	0.000	118.659	0.000	0.000	126.963	39.592	1.463	XOM_R2OWSG MWD+IFR1+MS
23700.000	90.000	359.700	9097.000	119.457	0.000	127.733	0.000	119.457	0.000	0.000	127.787	39.667	1.455	XOM_R2OWSG MWD+IFR1+MS
23800.000	90.000	359.700	9097.000	120.208	0.000	128.591	0.000	120.208	0.000	0.000	128.645	39.743	1.446	XOM_R2OWSG MWD+IFR1+MS
23900.000	90.000	359.700	9097.000	120.996	0.000	129.443	0.000	120.996	0.000	0.000	129.497	39.818	1.437	XOM_R2OWSG MWD+IFR1+MS
24000.000	90.000	359.700	9097.000	121.778	0.000	130.290	0.000	121.778	0.000	0.000	130.344	39.893	1.428	XOM_R2OWSG MWD+IFR1+MS
24100.000	90.000	359.700	9097.000	122.556	0.000	131.132	0.000	122.556	0.000	0.000	131.185	39.968	1.420	XOM_R2OWSG MWD+IFR1+MS
24200.000	90.000	359.700	9097.000	123.329	0.000	132.006	0.000	123.329	0.000	0.000	132.059	40.042	1.411	XOM_R2OWSG MWD+IFR1+MS
24300.000	90.000	359.700	9097.000	124.137	0.000	132.836	0.000	124.137	0.000	0.000	132.889	40.117	1.403	XOM_R2OWSG MWD+IFR1+MS
24400.000	90.000	359.700	9097.000	124.900	0.000	133.699	0.000	124.900	0.000	0.000	133.752	40.192	1.394	XOM_R2OWSG MWD+IFR1+MS
24500.000	90.000	359.700	9097.000	125.698	0.000	134.556	0.000	125.698	0.000	0.000	134.609	40.266	1.386	XOM_R2OWSG MWD+IFR1+MS
24600.000	90.000	359.700	9097.000	126.452	0.000	135.408	0.000	126.452	0.000	0.000	135.461	40.340	1.378	XOM_R2OWSG MWD+IFR1+MS
24700.000	90.000	359.700	9097.000	127.240	0.000	136.255	0.000	127.240	0.000	0.000	136.307	40.427	1.370	XOM_R2OWSG MWD+IFR1+MS
24800.000	90.000	359.700	9097.000	128.023	0.000	137.096	0.000	128.023	0.000	0.000	137.148	40.501	1.362	XOM_R2OWSG MWD+IFR1+MS
24900.000	90.000	359.700	9097.000	128.802	0.000	137.968	0.000	128.802	0.000	0.000	138.021	40.574	1.354	XOM_R2OWSG MWD+IFR1+MS
25000.000	90.000	359.700	9097.000	129.576	0.000	138.835	0.000	129.576	0.000	0.000	138.887	40.661	1.345	XOM_R2OWSG MWD+IFR1+MS
25100.000	90.000	359.700	9097.000	130.346	0.000	139.661	0.000	130.346	0.000	0.000	139.713	40.734	1.338	XOM_R2OWSG MWD+IFR1+MS

25200.000	90.000	359.700	9097.000	131.149	0.000	140.517	0.000	131.149	0.000	0.000	140.569	40.820	1.330	XOM_R2OWSG MWD+IFR1+MS
25300.000	90.000	359.700	9097.000	131.909	0.000	141.369	0.000	131.909	0.000	0.000	141.421	40.893	1.323	XOM_R2OWSG MWD+IFR1+MS
25400.000	90.000	359.700	9097.000	132.703	0.000	142.250	0.000	132.703	0.000	0.000	142.302	40.978	1.314	XOM_R2OWSG MWD+IFR1+MS
25500.000	90.000	359.700	9097.000	133.492	0.000	143.091	0.000	133.492	0.000	0.000	143.143	41.051	1.307	XOM_R2OWSG MWD+IFR1+MS
25600.000	90.000	359.700	9097.000	134.276	0.000	143.962	0.000	134.276	0.000	0.000	144.013	41.136	1.299	XOM_R2OWSG MWD+IFR1+MS
25617.000	90.000	359.700	9097.000	134.387	0.000	144.100	0.000	134.387	0.000	0.000	144.152	41.149	1.298	XOM_R2OWSG MWD+IFR1+MS
25667.000	90.000	359.700	9097.000	134.796	0.000	144.516	0.000	134.796	0.000	0.000	144.568	41.185	1.295	XOM_R2OWSG MWD+IFR1+MS

Plan Targets

Corral 17-5 Fed Com 803H\_Updated

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
803H BHL	25697.00	424349.20	602437.20	6090.00	CIRCLE
803H LTP	25647.00	424299.20	602437.50	6090.00	CIRCLE
803H FTP	9951.90	408604.10	602501.80	6090.00	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<sup>®</sup>

11/8/2023 1:08:50 PM



MECHANICAL PROPERTIES	Pipe	USS-FREEDOM HTQ <sup>®</sup>		--
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	Pipe	USS-FREEDOM HTQ <sup>®</sup>		--
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 <sup>®</sup>		--
Critical Area	5.828	5.828	sq. in.	--
Joint Efficiency	--	100.0	%	--
PERFORMANCE	Pipe	USS-FREEDOM HTQ <sup>®</sup>		--
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 <sup>®</sup>		--
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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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.

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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. 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:

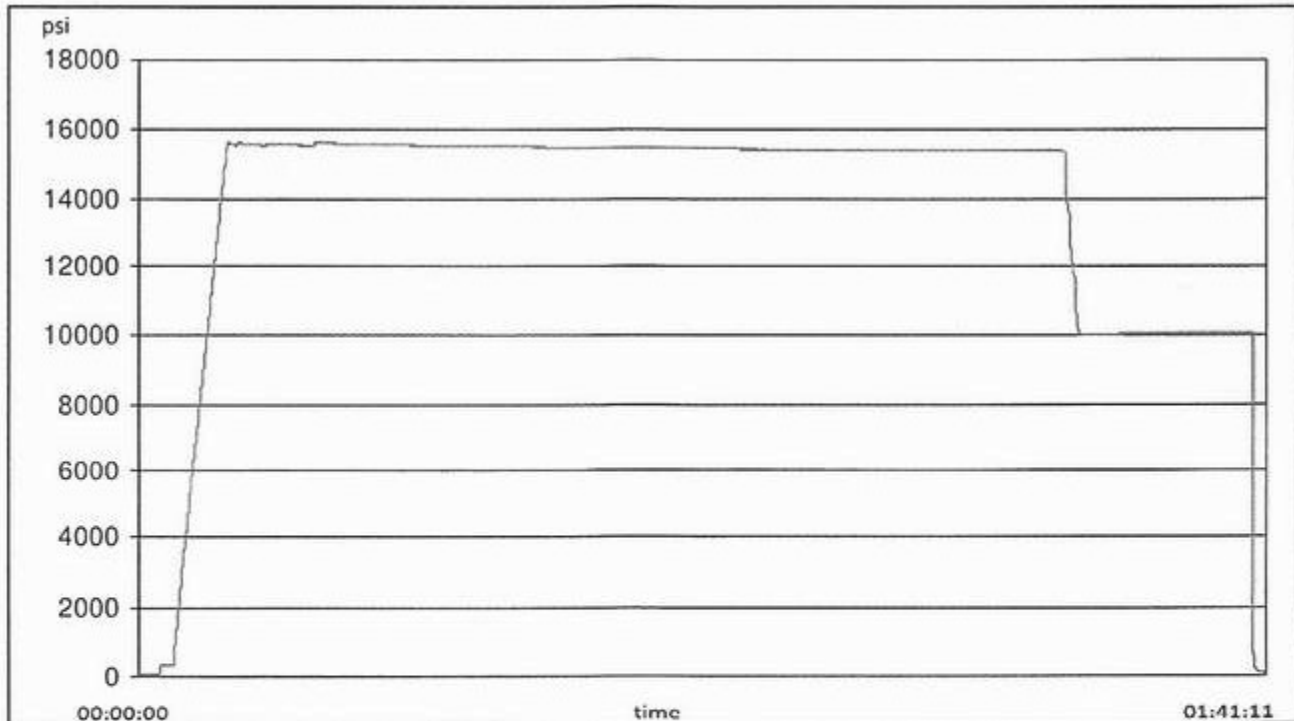
Visual check:

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

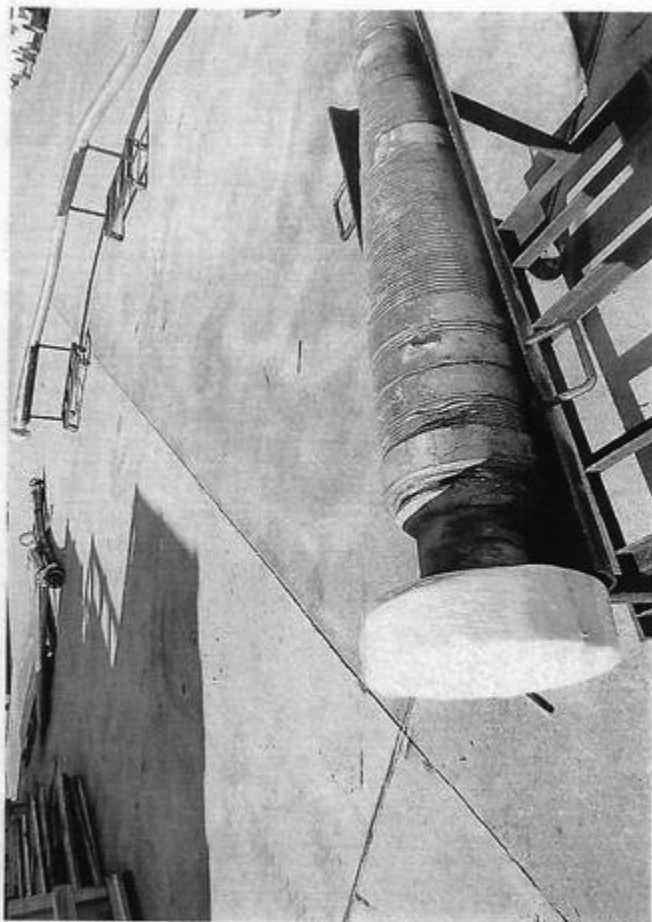
## GAUGE TRACEABILITY

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**

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1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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811 S. First St., Artesia, NM 88210  
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**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 373351

CONDITIONS

Operator:  XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:  5380
	Action Number:  373351
	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