

Well Name: CORRAL CANYON 17-8 FEDERAL	Well Location: T25S / R29E / SEC 17 / SESW / 32.123707 / -104.007151	County or Parish/State: EDDY / NM
Well Number: 125H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM96848	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: XTO ENERGY INCORPORATED	

Notice of Intent

Sundry ID: 2791095

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 05/17/2024	Time Sundry Submitted: 09:14
Date proposed operation will begin: 08/09/2024	

Procedure Description: CORRAL 17-8 FED COM 125H SUNDRY LANGUAGE This request is for the well formally known as CORRAL CANYON 17-5 FEDERAL 125H and currently names CORRAL 17-8 FED COM 125H. The API number for this well is 30-015-55155. XTO Energy Incorporated respectfully requests approval to make the following changes to the approved APD. Changes to include LTP, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: LTP: 2450' FSL & 1590' FEL OF SECTION 8-T25S-R29E 2550' FSL & 1590' FEL OF SECTION 8-T25S-R29E The proposed total depth is changing from 18225' MD; 10205' TVD (Purple Sage/Wolfcamp) to 18321' MD; 10210' TVD (Wolfcamp A). A saturated salt brine will be utilized while drilling through the salt formations. See attached Drilling Plan for updated cement and casing program. Attachments: C-102, Drilling Plan, Directional Plan, MBS, Well Control Plan, Freedom HTQ semi premium, Talon HTQ semi flush, and Flex hose.

NOI Attachments

Procedure Description

Corral_17_8_Fed_Com_125H___BLM_APD_Change_Sundry_Attachments_20240802114751.pdf

Received by OCD: 8/14/2024 1:04:06 PM

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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: ADRIAN BAKER	Signed on: AUG 02, 2024 11:48 AM
Name: XTO ENERGY INCORPORATED	
Title: Regulatory Analyst	
Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY	
City: SPRING	State: TX
Phone: (432) 236-3808	
Email address: ADRIAN.BAKER@EXXONMOBIL.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 08/14/2024
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

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 18225 MD; 10205 TVD (Purple Sage/Wolfcamp) to 18321 MD; 10210 TVD (Wolfcamp A).

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 / 314 FSL / 2475 FWL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.123707 / LONG: -104.007151 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 330 FSL / 1590 FEL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.123699 / LONG: -104.003161 (TVD: 10205 feet, MD: 10700 feet)

BHL: NWSE / 2600 FSL / 1590 FEL / TWSP: 25S / RANGE: 29E / SECTION: 8 / LAT: 32.144526 / LONG: -104.003191 (TVD: 10205 feet, MD: 18225 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
☒ **AMENDED REPORT**

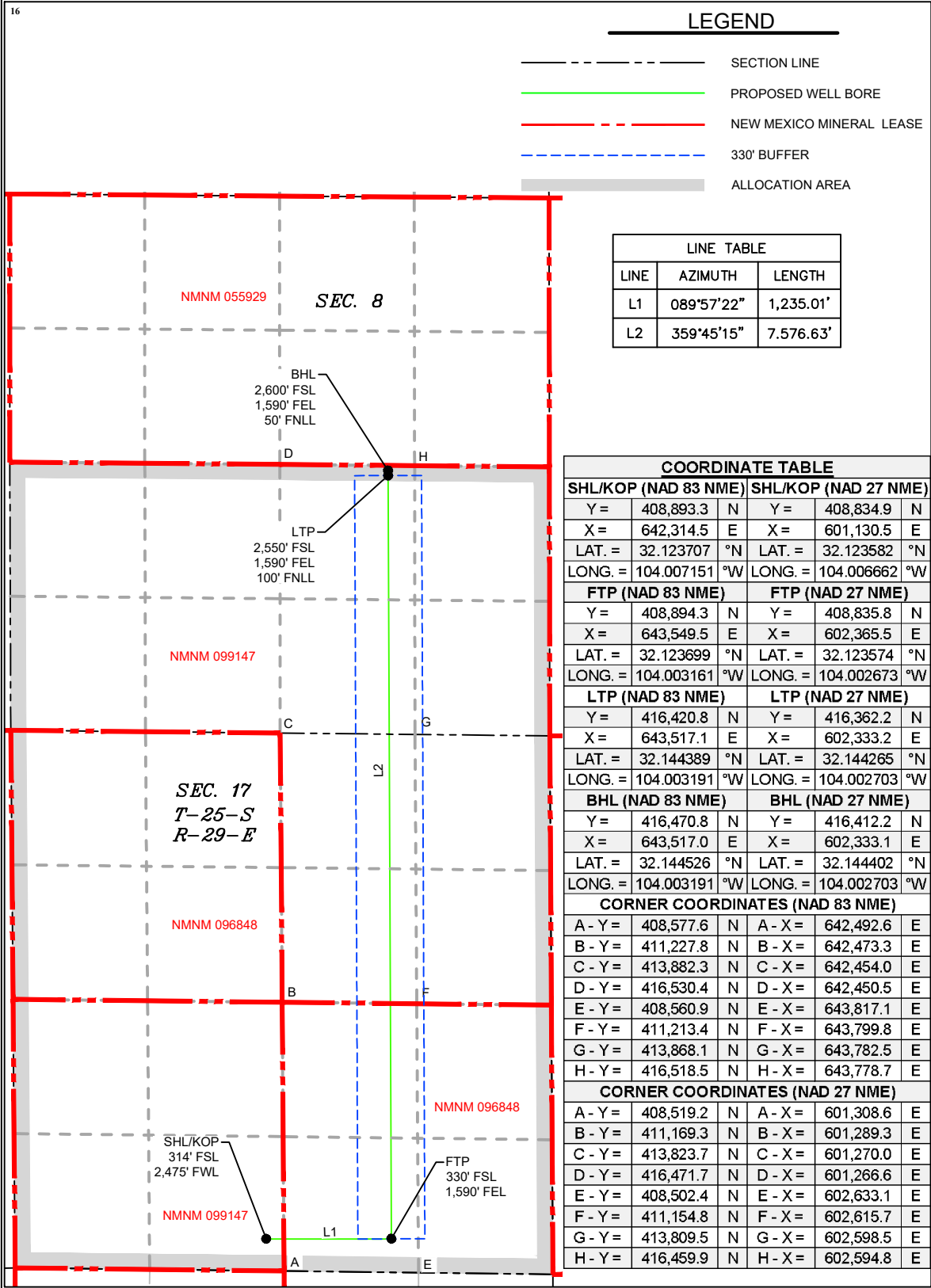
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-55155	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 125H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC	⁹ Elevation 2,974'

¹⁰ Surface Location									
UL or lot no. N	Section 17	Township 25 S	Range 29 E	Lot Idn	Feet from the 314	North/South line SOUTH	Feet from the 2,475	East/West line WEST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. J	Section 8	Township 25 S	Range 29 E	Lot Idn	Feet from the 2,600	North/South line SOUTH	Feet from the 1,590	East/West line EAST	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.

Jena Austin

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

618.013013.03-10

Released to Imaging: 8/16/2024 3:37:48 PM

Intent ☒ As Drilled ☐

API # 30015		
Operator Name: XTO ENERGY, INC	Property Name: CORRAL 17-8 FED COM	Well Number 125H

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 O	Section 17	Township 25S	Range 29E	Lot	Feet 330	From N/S South	Feet 1,590	From E/W East	County Eddy
Latitude 32.123699					Longitude 104.003161				NAD 83

Last Take Point (LTP)

UL J	Section 8	Township 25S	Range 29E	Lot	Feet 2,550	From N/S South	Feet 1,590	From E/W East	County Eddy
Latitude 32.144389					Longitude 104.003191				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 125H

Projected TD: 18321.22' MD / 10210' TVD

SHL: 314' FSL & 2475' FWL , Section 17, T25S, R29E

BHL: 2600' FSL & 1590' FEL , 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
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	7462'	Water/Oil/Gas
2nd Bone Spring	7888'	Water/Oil/Gas
3rd Bone Spring	8703'	Water/Oil/Gas
Wolfcamp	9865'	Water/Oil/Gas
Wolfcamp X	9888'	Water/Oil/Gas
Wolfcamp Y	9965'	Water/Oil/Gas
Wolfcamp A	10010'	Water/Oil/Gas
Target/Land Curve	10210'	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 @ 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 9419.74' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 18321.22 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9119.74 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	1.69	10.78	27.30
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.63	2.86	1.99
8.75	4000' – 9419.74'	7.625	29.7	HC L-80	Flush Joint	New	1.91	2.43	2.52
6.75	0' – 9319.74'	5.5	20	RY P-110	Semi-Premium	New	1.26	2.08	2.39
6.75	9319.74' - 18321.22'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.90	2.39

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

· XTO requests to not utilize centralizers in the curve and lateral

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

· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

Wellhead:

**XTO will use a Multi-Bowl system which is
attached**

n

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 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 +/- 9419.74'

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: 370 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/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 ft3/sx, 9.61 gal/sx water)

Tail: 610 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 (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 +/- 18321.22'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9119.74 feet

Tail: 620 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9619.74 feet

Compressives: 12-hr = 800 psi 24 hr = 1500 psi

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

5. Pressure Control Equipment

Once the permanent WH is installed on the surface casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril and a 10M Double Ram BOP.

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

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

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

hole on each of the wells.

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Additional Comments
0' - 577'	12.25	FW/Native	8.5-9	35-40	NC	Fresh water or native water
577' - 9419.74'	8.75	Saturated brine for salt interval / Direct Emulsion	10-10.5	30-32	NC	Fully saturated salt across salado / salt
9419.74' - 18321.22'	6.75	OBM	11-11.5	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 Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- 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 165 to 185 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 5840 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 125H

Measured Depth: 18321.22 ft

TVD RKB: 10210.00 ft

Location

Cartographic Reference System: New Mexico East - NAD 27

Northing: 408834.90 ft

Easting: 601130.50 ft

RKB: 3007.00 ft

Ground Level: 2974.00 ft

North Reference: Grid

Convergence Angle: 0.17 Deg

Plan Sections

Corral 17-8 Fed Com 125H

Measured		TVD		Build		Turn	Dogleg	
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft) Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00
1614.35	10.29	120.02	1611.59	-23.04	39.87	2.00	0.00	2.00
9105.38	10.29	120.02	8982.21	-692.25	1198.20	0.00	0.00	0.00
9619.74	0.00	0.00	9493.80	-715.29	1238.07	-2.00	0.00	2.00
10744.74	90.00	359.75	10210.00	0.90	1235.00	8.00	0.00	8.00 125H FTP
18271.21	90.00	359.75	10210.00	7527.30	1202.70	0.00	0.00	0.00 125H LTP
18321.22	90.00	359.75	10210.00	7577.32	1202.49	0.00	0.00	0.00 125H BHL

Position Uncertainty

Corral 17-8 Fed Com 125H

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
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
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
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
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
500.000	0.000	0.000	500.000	1.792	0.000	1.613	0.000	2.372	0.000	0.000	1.792	1.613	90.000
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
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
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.480	0.000	0.000	2.868	2.689	90.000
900.000	0.000	0.000	900.000	3.226	0.000	3.047	0.000	2.525	0.000	0.000	3.226	3.047	90.000
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
1100.000	0.000	0.000	1100.000	3.943	0.000	3.764	0.000	2.626	0.000	0.000	3.943	3.764	90.000
1200.000	2.000	120.017	1199.980	4.153	0.000	4.245	-0.000	2.681	0.000	0.000	4.289	4.109	90.022
1300.000	4.000	120.017	1299.838	4.481	0.000	4.581	-0.000	2.737	0.000	0.000	4.626	4.445	89.975
1400.000	6.000	120.017	1399.452	4.808	0.000	4.922	-0.000	2.795	0.000	0.000	4.967	4.784	90.026
1500.000	8.000	120.017	1498.702	5.133	0.000	5.268	-0.000	2.853	0.000	0.000	5.313	5.127	90.321
1600.000	10.000	120.017	1597.465	5.456	0.000	5.619	-0.000	2.914	0.000	0.000	5.663	5.473	90.985
1614.353	10.287	120.017	1611.594	5.502	0.000	5.669	-0.000	2.918	0.000	0.000	5.714	5.525	90.783
1700.000	10.287	120.017	1695.864	5.800	0.000	5.975	-0.000	2.980	0.000	0.000	6.017	5.821	92.196
1800.000	10.287	120.017	1794.257	6.152	0.000	6.335	-0.000	3.057	0.000	0.000	6.374	6.170	93.911
													XOM_R2OWSG

															MWD+IFR1+MS
1900.000	10.287	120.017	1892.649	6.508	0.000	6.698	-0.000	3.136	0.000	0.000	6.734	6.522	95.591	XOM_R2OWSG	MWD+IFR1+MS
2000.000	10.287	120.017	1991.042	6.866	0.000	7.065	-0.000	3.219	0.000	0.000	7.097	6.877	97.225	XOM_R2OWSG	MWD+IFR1+MS
2100.000	10.287	120.017	2089.434	7.226	0.000	7.434	-0.000	3.304	0.000	0.000	7.463	7.234	98.803	XOM_R2OWSG	MWD+IFR1+MS
2200.000	10.287	120.017	2187.827	7.588	0.000	7.804	-0.000	3.392	0.000	0.000	7.831	7.593	100.319	XOM_R2OWSG	MWD+IFR1+MS
2300.000	10.287	120.017	2286.220	7.952	0.000	8.177	-0.000	3.483	0.000	0.000	8.201	7.954	101.769	XOM_R2OWSG	MWD+IFR1+MS
2400.000	10.287	120.017	2384.612	8.317	0.000	8.551	-0.000	3.576	0.000	0.000	8.572	8.316	103.149	XOM_R2OWSG	MWD+IFR1+MS
2500.000	10.287	120.017	2483.005	8.684	0.000	8.927	-0.000	3.671	0.000	0.000	8.946	8.679	104.458	XOM_R2OWSG	MWD+IFR1+MS
2600.000	10.287	120.017	2581.397	9.052	0.000	9.303	-0.000	3.768	0.000	0.000	9.320	9.043	105.697	XOM_R2OWSG	MWD+IFR1+MS
2700.000	10.287	120.017	2679.790	9.420	0.000	9.681	-0.000	3.867	0.000	0.000	9.696	9.408	106.867	XOM_R2OWSG	MWD+IFR1+MS
2800.000	10.287	120.017	2778.182	9.790	0.000	10.060	-0.000	3.968	0.000	0.000	10.073	9.773	107.969	XOM_R2OWSG	MWD+IFR1+MS
2900.000	10.287	120.017	2876.575	10.160	0.000	10.439	-0.000	4.071	0.000	0.000	10.451	10.139	109.007	XOM_R2OWSG	MWD+IFR1+MS
3000.000	10.287	120.017	2974.967	10.531	0.000	10.820	-0.000	4.176	0.000	0.000	10.829	10.506	109.982	XOM_R2OWSG	MWD+IFR1+MS
3100.000	10.287	120.017	3073.360	10.903	0.000	11.201	-0.000	4.283	0.000	0.000	11.209	10.873	110.900	XOM_R2OWSG	MWD+IFR1+MS
3200.000	10.287	120.017	3171.752	11.275	0.000	11.582	-0.000	4.391	0.000	0.000	11.589	11.241	111.762	XOM_R2OWSG	MWD+IFR1+MS
3300.000	10.287	120.017	3270.145	11.648	0.000	11.964	-0.000	4.501	0.000	0.000	11.970	11.609	112.573	XOM_R2OWSG	MWD+IFR1+MS
3400.000	10.287	120.017	3368.537	12.022	0.000	12.347	-0.000	4.613	0.000	0.000	12.352	11.977	113.335	XOM_R2OWSG	MWD+IFR1+MS
3500.000	10.287	120.017	3466.930	12.395	0.000	12.730	-0.000	4.726	0.000	0.000	12.734	12.346	114.052	XOM_R2OWSG	MWD+IFR1+MS
3600.000	10.287	120.017	3565.323	12.769	0.000	13.114	-0.000	4.841	0.000	0.000	13.117	12.715	114.727	XOM_R2OWSG	MWD+IFR1+MS
3700.000	10.287	120.017	3663.715	13.144	0.000	13.497	-0.000	4.958	0.000	0.000	13.500	13.084	115.363	XOM_R2OWSG	MWD+IFR1+MS
3800.000	10.287	120.017	3762.108	13.519	0.000	13.882	-0.000	5.077	0.000	0.000	13.884	13.454	115.963	XOM_R2OWSG	MWD+IFR1+MS

3900.000	10.287	120.017	3860.500	13.894	0.000	14.266	-0.000	5.197	0.000	0.000	14.268	13.824	116.528	XOM_R2OWSG MWD+IFR1+MS
4000.000	10.287	120.017	3958.893	14.269	0.000	14.651	-0.000	5.318	0.000	0.000	14.652	14.194	117.063	XOM_R2OWSG MWD+IFR1+MS
4100.000	10.287	120.017	4057.285	14.645	0.000	15.036	-0.000	5.442	0.000	0.000	15.037	14.564	117.568	XOM_R2OWSG MWD+IFR1+MS
4200.000	10.287	120.017	4155.678	15.020	0.000	15.421	-0.000	5.567	0.000	0.000	15.422	14.935	118.046	XOM_R2OWSG MWD+IFR1+MS
4300.000	10.287	120.017	4254.070	15.396	0.000	15.807	-0.000	5.693	0.000	0.000	15.807	15.305	118.499	XOM_R2OWSG MWD+IFR1+MS
4400.000	10.287	120.017	4352.463	15.773	0.000	16.192	-0.000	5.822	0.000	0.000	16.193	15.676	118.928	XOM_R2OWSG MWD+IFR1+MS
4500.000	10.287	120.017	4450.855	16.149	0.000	16.578	-0.000	5.952	0.000	0.000	16.578	16.047	119.335	XOM_R2OWSG MWD+IFR1+MS
4600.000	10.287	120.017	4549.248	16.526	0.000	16.965	-0.000	6.083	0.000	0.000	16.965	16.418	119.722	XOM_R2OWSG MWD+IFR1+MS
4700.000	10.287	120.017	4647.640	16.902	0.000	17.351	-0.000	6.217	0.000	0.000	17.351	16.789	120.091	XOM_R2OWSG MWD+IFR1+MS
4800.000	10.287	120.017	4746.033	17.279	0.000	17.737	-0.000	6.352	0.000	0.000	17.737	17.161	120.441	XOM_R2OWSG MWD+IFR1+MS
4900.000	10.287	120.017	4844.426	17.656	0.000	18.124	-0.000	6.489	0.000	0.000	18.124	17.532	120.775	XOM_R2OWSG MWD+IFR1+MS
5000.000	10.287	120.017	4942.818	18.034	0.000	18.511	-0.000	6.628	0.000	0.000	18.511	17.904	121.093	XOM_R2OWSG MWD+IFR1+MS
5100.000	10.287	120.017	5041.211	18.411	0.000	18.898	-0.000	6.769	0.000	0.000	18.898	18.275	121.398	XOM_R2OWSG MWD+IFR1+MS
5200.000	10.287	120.017	5139.603	18.788	0.000	19.285	-0.000	6.911	0.000	0.000	19.285	18.647	121.688	XOM_R2OWSG MWD+IFR1+MS
5300.000	10.287	120.017	5237.996	19.166	0.000	19.672	-0.000	7.056	0.000	0.000	19.673	19.019	121.966	XOM_R2OWSG MWD+IFR1+MS
5400.000	10.287	120.017	5336.388	19.544	0.000	20.059	-0.000	7.202	0.000	0.000	20.060	19.391	122.232	XOM_R2OWSG MWD+IFR1+MS
5500.000	10.287	120.017	5434.781	19.921	0.000	20.446	-0.000	7.350	0.000	0.000	20.448	19.763	122.487	XOM_R2OWSG MWD+IFR1+MS
5600.000	10.287	120.017	5533.173	20.299	0.000	20.834	-0.000	7.500	0.000	0.000	20.835	20.135	122.731	XOM_R2OWSG MWD+IFR1+MS
5700.000	10.287	120.017	5631.566	20.677	0.000	21.221	-0.000	7.652	0.000	0.000	21.223	20.508	122.966	XOM_R2OWSG MWD+IFR1+MS
5800.000	10.287	120.017	5729.958	21.055	0.000	21.609	-0.000	7.806	0.000	0.000	21.611	20.880	123.191	XOM_R2OWSG MWD+IFR1+MS

5900.000	10.287	120.017	5828.351	21.433	0.000	21.997	-0.000	7.962	0.000	0.000	21.999	21.253	123.408	XOM_R2OWSG MWD+IFR1+MS
6000.000	10.287	120.017	5926.744	21.811	0.000	22.385	-0.000	8.120	0.000	0.000	22.387	21.625	123.616	XOM_R2OWSG MWD+IFR1+MS
6100.000	10.287	120.017	6025.136	22.190	0.000	22.772	-0.000	8.281	0.000	0.000	22.776	21.998	123.816	XOM_R2OWSG MWD+IFR1+MS
6200.000	10.287	120.017	6123.529	22.568	0.000	23.160	-0.000	8.443	0.000	0.000	23.164	22.370	124.010	XOM_R2OWSG MWD+IFR1+MS
6300.000	10.287	120.017	6221.921	22.946	0.000	23.548	-0.000	8.607	0.000	0.000	23.553	22.743	124.196	XOM_R2OWSG MWD+IFR1+MS
6400.000	10.287	120.017	6320.314	23.325	0.000	23.936	-0.000	8.773	0.000	0.000	23.941	23.116	124.375	XOM_R2OWSG MWD+IFR1+MS
6500.000	10.287	120.017	6418.706	23.703	0.000	24.325	-0.000	8.942	0.000	0.000	24.330	23.489	124.549	XOM_R2OWSG MWD+IFR1+MS
6600.000	10.287	120.017	6517.099	24.082	0.000	24.713	-0.000	9.113	0.000	0.000	24.718	23.862	124.717	XOM_R2OWSG MWD+IFR1+MS
6700.000	10.287	120.017	6615.491	24.460	0.000	25.101	-0.000	9.286	0.000	0.000	25.107	24.235	124.879	XOM_R2OWSG MWD+IFR1+MS
6800.000	10.287	120.017	6713.884	24.839	0.000	25.489	-0.000	9.461	0.000	0.000	25.496	24.608	125.035	XOM_R2OWSG MWD+IFR1+MS
6900.000	10.287	120.017	6812.276	25.218	0.000	25.878	-0.000	9.638	0.000	0.000	25.885	24.981	125.187	XOM_R2OWSG MWD+IFR1+MS
7000.000	10.287	120.017	6910.669	25.596	0.000	26.266	-0.000	9.818	0.000	0.000	26.274	25.354	125.334	XOM_R2OWSG MWD+IFR1+MS
7100.000	10.287	120.017	7009.061	25.975	0.000	26.655	-0.000	10.000	0.000	0.000	26.663	25.728	125.476	XOM_R2OWSG MWD+IFR1+MS
7200.000	10.287	120.017	7107.454	26.354	0.000	27.043	-0.000	10.184	0.000	0.000	27.052	26.101	125.614	XOM_R2OWSG MWD+IFR1+MS
7300.000	10.287	120.017	7205.847	26.733	0.000	27.432	-0.000	10.371	0.000	0.000	27.441	26.475	125.749	XOM_R2OWSG MWD+IFR1+MS
7400.000	10.287	120.017	7304.239	27.112	0.000	27.820	-0.000	10.559	0.000	0.000	27.830	26.848	125.879	XOM_R2OWSG MWD+IFR1+MS
7500.000	10.287	120.017	7402.632	27.491	0.000	28.209	-0.000	10.751	0.000	0.000	28.220	27.222	126.005	XOM_R2OWSG MWD+IFR1+MS
7600.000	10.287	120.017	7501.024	27.870	0.000	28.598	-0.000	10.944	0.000	0.000	28.609	27.595	126.128	XOM_R2OWSG MWD+IFR1+MS
7700.000	10.287	120.017	7599.417	28.249	0.000	28.986	-0.000	11.140	0.000	0.000	28.998	27.969	126.247	XOM_R2OWSG MWD+IFR1+MS
7800.000	10.287	120.017	7697.809	28.628	0.000	29.375	-0.000	11.339	0.000	0.000	29.387	28.343	126.363	XOM_R2OWSG MWD+IFR1+MS

7900.000	10.287	120.017	7796.202	29.007	0.000	29.764	-0.000	11.539	0.000	0.000	29.777	28.716	126.477	XOM_R2OWSG MWD+IFR1+MS
8000.000	10.287	120.017	7894.594	29.386	0.000	30.153	-0.000	11.743	0.000	0.000	30.166	29.090	126.587	XOM_R2OWSG MWD+IFR1+MS
8100.000	10.287	120.017	7992.987	29.765	0.000	30.541	-0.000	11.948	0.000	0.000	30.556	29.464	126.694	XOM_R2OWSG MWD+IFR1+MS
8200.000	10.287	120.017	8091.379	30.144	0.000	30.930	-0.000	12.156	0.000	0.000	30.945	29.838	126.799	XOM_R2OWSG MWD+IFR1+MS
8300.000	10.287	120.017	8189.772	30.524	0.000	31.319	-0.000	12.367	0.000	0.000	31.335	30.212	126.901	XOM_R2OWSG MWD+IFR1+MS
8400.000	10.287	120.017	8288.164	30.903	0.000	31.708	-0.000	12.580	0.000	0.000	31.725	30.586	127.001	XOM_R2OWSG MWD+IFR1+MS
8500.000	10.287	120.017	8386.557	31.282	0.000	32.097	-0.000	12.796	0.000	0.000	32.114	30.960	127.098	XOM_R2OWSG MWD+IFR1+MS
8600.000	10.287	120.017	8484.950	31.661	0.000	32.486	-0.000	13.014	0.000	0.000	32.504	31.334	127.193	XOM_R2OWSG MWD+IFR1+MS
8700.000	10.287	120.017	8583.342	32.041	0.000	32.875	-0.000	13.235	0.000	0.000	32.894	31.708	127.286	XOM_R2OWSG MWD+IFR1+MS
8800.000	10.287	120.017	8681.735	32.420	0.000	33.264	-0.000	13.458	0.000	0.000	33.283	32.083	127.377	XOM_R2OWSG MWD+IFR1+MS
8900.000	10.287	120.017	8780.127	32.799	0.000	33.653	-0.000	13.684	0.000	0.000	33.673	32.457	127.465	XOM_R2OWSG MWD+IFR1+MS
9000.000	10.287	120.017	8878.520	33.179	0.000	34.042	-0.000	13.913	0.000	0.000	34.063	32.831	127.552	XOM_R2OWSG MWD+IFR1+MS
9105.383	10.287	120.017	8982.209	33.578	0.000	34.452	-0.000	14.156	0.000	0.000	34.474	33.226	127.642	XOM_R2OWSG MWD+IFR1+MS
9200.000	8.395	120.017	9075.567	33.942	0.000	34.816	-0.000	14.377	0.000	0.000	34.838	33.578	127.719	XOM_R2OWSG MWD+IFR1+MS
9300.000	6.395	120.017	9174.730	34.285	0.000	35.190	-0.000	14.609	0.000	0.000	35.213	33.943	127.797	XOM_R2OWSG MWD+IFR1+MS
9400.000	4.395	120.017	9274.282	34.585	0.000	35.554	-0.000	14.841	0.000	0.000	35.578	34.303	127.872	XOM_R2OWSG MWD+IFR1+MS
9500.000	2.395	120.017	9374.102	34.841	0.000	35.908	-0.000	15.071	0.000	0.000	35.932	34.655	127.938	XOM_R2OWSG MWD+IFR1+MS
9600.000	0.395	120.017	9474.067	35.054	0.000	36.251	-0.000	15.299	0.000	0.000	36.275	34.999	127.993	XOM_R2OWSG MWD+IFR1+MS
9619.736	0.000	0.000	9493.803	35.862	0.000	35.553	0.000	15.344	0.000	0.000	36.340	35.064	127.975	XOM_R2OWSG MWD+IFR1+MS
9700.000	6.421	359.754	9573.899	35.688	0.000	35.806	0.000	15.524	0.000	0.000	36.590	35.313	127.899	XOM_R2OWSG MWD+IFR1+MS

9800.000	14.421	359.754	9672.169	34.953	0.000	36.103	0.000	15.740	0.000	0.000	36.891	35.600	128.113	XOM_R2OWSG MWD+IFR1+MS
9900.000	22.421	359.754	9766.968	33.662	0.000	36.384	0.000	15.944	0.000	0.000	37.174	35.858	128.718	XOM_R2OWSG MWD+IFR1+MS
10000.000	30.421	359.754	9856.450	31.866	0.000	36.646	0.000	16.138	0.000	0.000	37.432	36.083	129.722	XOM_R2OWSG MWD+IFR1+MS
10100.000	38.421	359.754	9938.874	29.641	0.000	36.887	0.000	16.323	0.000	0.000	37.661	36.276	131.088	XOM_R2OWSG MWD+IFR1+MS
10200.000	46.421	359.754	10012.635	27.097	0.000	37.105	0.000	16.505	0.000	0.000	37.857	36.439	132.760	XOM_R2OWSG MWD+IFR1+MS
10300.000	54.421	359.754	10076.297	24.390	0.000	37.301	0.000	16.690	0.000	0.000	38.019	36.573	134.680	XOM_R2OWSG MWD+IFR1+MS
10400.000	62.421	359.754	10128.622	21.739	0.000	37.475	0.000	16.886	0.000	0.000	38.149	36.683	-43.208	XOM_R2OWSG MWD+IFR1+MS
10500.000	70.421	359.754	10168.590	19.451	0.000	37.627	0.000	17.101	0.000	0.000	38.247	36.773	-40.962	XOM_R2OWSG MWD+IFR1+MS
10600.000	78.421	359.754	10195.425	17.913	0.000	37.758	0.000	17.338	0.000	0.000	38.317	36.851	-38.649	XOM_R2OWSG MWD+IFR1+MS
10700.000	86.421	359.754	10208.603	17.496	0.000	37.867	0.000	17.599	0.000	0.000	38.361	36.921	-36.362	XOM_R2OWSG MWD+IFR1+MS
10744.736	90.000	359.754	10210.000	17.723	0.000	37.907	0.000	17.723	0.000	0.000	38.373	36.952	-35.412	XOM_R2OWSG MWD+IFR1+MS
10800.000	90.000	359.754	10210.000	17.884	0.000	37.958	0.000	17.884	0.000	0.000	38.386	36.991	-34.149	XOM_R2OWSG MWD+IFR1+MS
10900.000	90.000	359.754	10210.000	18.197	0.000	38.067	0.000	18.197	0.000	0.000	38.428	37.062	-31.415	XOM_R2OWSG MWD+IFR1+MS
11000.000	90.000	359.754	10210.000	18.538	0.000	38.196	0.000	18.538	0.000	0.000	38.492	37.131	-28.247	XOM_R2OWSG MWD+IFR1+MS
11100.000	90.000	359.754	10210.000	18.906	0.000	38.346	0.000	18.906	0.000	0.000	38.581	37.196	-24.792	XOM_R2OWSG MWD+IFR1+MS
11200.000	90.000	359.754	10210.000	19.299	0.000	38.514	0.000	19.299	0.000	0.000	38.697	37.255	-21.246	XOM_R2OWSG MWD+IFR1+MS
11300.000	90.000	359.754	10210.000	19.715	0.000	38.703	0.000	19.715	0.000	0.000	38.840	37.305	-17.814	XOM_R2OWSG MWD+IFR1+MS
11400.000	90.000	359.754	10210.000	20.153	0.000	38.910	0.000	20.153	0.000	0.000	39.011	37.348	-14.660	XOM_R2OWSG MWD+IFR1+MS
11500.000	90.000	359.754	10210.000	20.611	0.000	39.135	0.000	20.611	0.000	0.000	39.208	37.383	-11.875	XOM_R2OWSG MWD+IFR1+MS
11600.000	90.000	359.754	10210.000	21.089	0.000	39.380	0.000	21.089	0.000	0.000	39.430	37.413	-9.486	XOM_R2OWSG MWD+IFR1+MS

11700.000	90.000	359.754	10210.000	21.585	0.000	39.642	0.000	21.585	0.000	0.000	39.676	37.437	-7.475	XOM_R2OWSG MWD+IFR1+MS
11800.000	90.000	359.754	10210.000	22.098	0.000	39.922	0.000	22.098	0.000	0.000	39.945	37.457	-5.800	XOM_R2OWSG MWD+IFR1+MS
11900.000	90.000	359.754	10210.000	22.626	0.000	40.219	0.000	22.626	0.000	0.000	40.233	37.475	-4.411	XOM_R2OWSG MWD+IFR1+MS
12000.000	90.000	359.754	10210.000	23.169	0.000	40.534	0.000	23.169	0.000	0.000	40.542	37.491	-3.263	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	359.754	10210.000	23.725	0.000	40.864	0.000	23.725	0.000	0.000	40.869	37.505	-2.312	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	359.754	10210.000	24.294	0.000	41.211	0.000	24.294	0.000	0.000	41.213	37.518	-1.523	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	359.754	10210.000	24.875	0.000	41.574	0.000	24.875	0.000	0.000	41.575	37.531	-0.867	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	359.754	10210.000	25.466	0.000	41.952	0.000	25.466	0.000	0.000	41.952	37.543	-0.320	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	359.754	10210.000	26.068	0.000	42.345	0.000	26.068	0.000	0.000	42.346	37.556	0.138	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	359.754	10210.000	26.679	0.000	42.753	0.000	26.679	0.000	0.000	42.754	37.568	0.522	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	359.754	10210.000	27.300	0.000	43.175	0.000	27.300	0.000	0.000	43.177	37.581	0.844	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	359.754	10210.000	27.928	0.000	43.610	0.000	27.928	0.000	0.000	43.613	37.594	1.116	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	359.754	10210.000	28.564	0.000	44.059	0.000	28.564	0.000	0.000	44.064	37.607	1.344	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	359.754	10210.000	29.208	0.000	44.521	0.000	29.208	0.000	0.000	44.527	37.621	1.537	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	359.754	10210.000	29.858	0.000	44.995	0.000	29.858	0.000	0.000	45.003	37.636	1.700	XOM_R2OWSG MWD+IFR1+MS
13200.000	90.000	359.754	10210.000	30.515	0.000	45.481	0.000	30.515	0.000	0.000	45.490	37.651	1.837	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	359.754	10210.000	31.177	0.000	45.979	0.000	31.177	0.000	0.000	45.990	37.666	1.952	XOM_R2OWSG MWD+IFR1+MS
13400.000	90.000	359.754	10210.000	31.845	0.000	46.488	0.000	31.845	0.000	0.000	46.501	37.682	2.049	XOM_R2OWSG MWD+IFR1+MS
13500.000	90.000	359.754	10210.000	32.518	0.000	47.009	0.000	32.518	0.000	0.000	47.023	37.699	2.130	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	359.754	10210.000	33.196	0.000	47.540	0.000	33.196	0.000	0.000	47.556	37.717	2.198	XOM_R2OWSG MWD+IFR1+MS

13700.000	90.000	359.754	10210.000	33.879	0.000	48.081	0.000	33.879	0.000	0.000	48.098	37.735	2.253	XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	359.754	10210.000	34.566	0.000	48.632	0.000	34.566	0.000	0.000	48.651	37.754	2.299	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	359.754	10210.000	35.257	0.000	49.193	0.000	35.257	0.000	0.000	49.213	37.773	2.336	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	359.754	10210.000	35.952	0.000	49.763	0.000	35.952	0.000	0.000	49.784	37.793	2.366	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	359.754	10210.000	36.651	0.000	50.341	0.000	36.651	0.000	0.000	50.365	37.814	2.389	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	359.754	10210.000	37.353	0.000	50.929	0.000	37.353	0.000	0.000	50.954	37.836	2.406	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	359.754	10210.000	38.058	0.000	51.525	0.000	38.058	0.000	0.000	51.551	37.858	2.418	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	359.754	10210.000	38.767	0.000	52.129	0.000	38.767	0.000	0.000	52.156	37.881	2.426	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	359.754	10210.000	39.478	0.000	52.741	0.000	39.478	0.000	0.000	52.769	37.904	2.431	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	359.754	10210.000	40.192	0.000	53.360	0.000	40.192	0.000	0.000	53.389	37.929	2.432	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	359.754	10210.000	40.908	0.000	53.987	0.000	40.908	0.000	0.000	54.016	37.953	2.430	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	359.754	10210.000	41.628	0.000	54.620	0.000	41.628	0.000	0.000	54.651	37.979	2.426	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	359.754	10210.000	42.349	0.000	55.261	0.000	42.349	0.000	0.000	55.292	38.005	2.420	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	359.754	10210.000	43.072	0.000	55.907	0.000	43.072	0.000	0.000	55.940	38.032	2.412	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	359.754	10210.000	43.798	0.000	56.561	0.000	43.798	0.000	0.000	56.594	38.060	2.402	XOM_R2OWSG MWD+IFR1+MS
15200.000	90.000	359.754	10210.000	44.526	0.000	57.220	0.000	44.526	0.000	0.000	57.254	38.088	2.391	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	359.754	10210.000	45.255	0.000	57.885	0.000	45.255	0.000	0.000	57.920	38.117	2.379	XOM_R2OWSG MWD+IFR1+MS
15400.000	90.000	359.754	10210.000	45.987	0.000	58.556	0.000	45.987	0.000	0.000	58.591	38.146	2.365	XOM_R2OWSG MWD+IFR1+MS
15500.000	90.000	359.754	10210.000	46.720	0.000	59.232	0.000	46.720	0.000	0.000	59.268	38.177	2.351	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	359.754	10210.000	47.455	0.000	59.914	0.000	47.455	0.000	0.000	59.950	38.208	2.336	XOM_R2OWSG MWD+IFR1+MS

15700.000	90.000	359.754	10210.000	48.191	0.000	60.601	0.000	48.191	0.000	0.000	60.638	38.239	2.320	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	359.754	10210.000	48.929	0.000	61.293	0.000	48.929	0.000	0.000	61.330	38.271	2.304	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	359.754	10210.000	49.668	0.000	61.989	0.000	49.668	0.000	0.000	62.027	38.304	2.287	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	359.754	10210.000	50.409	0.000	62.690	0.000	50.409	0.000	0.000	62.728	38.338	2.270	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	359.754	10210.000	51.151	0.000	63.396	0.000	51.151	0.000	0.000	63.434	38.372	2.253	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	359.754	10210.000	51.894	0.000	64.106	0.000	51.894	0.000	0.000	64.145	38.406	2.235	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	359.754	10210.000	52.639	0.000	64.820	0.000	52.639	0.000	0.000	64.859	38.442	2.217	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	359.754	10210.000	53.384	0.000	65.539	0.000	53.384	0.000	0.000	65.578	38.478	2.199	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	359.754	10210.000	54.131	0.000	66.261	0.000	54.131	0.000	0.000	66.300	38.515	2.181	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	359.754	10210.000	54.879	0.000	66.987	0.000	54.879	0.000	0.000	67.026	38.552	2.162	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	359.754	10210.000	55.628	0.000	67.716	0.000	55.628	0.000	0.000	67.756	38.590	2.144	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	359.754	10210.000	56.378	0.000	68.449	0.000	56.378	0.000	0.000	68.489	38.628	2.125	XOM_R2OWSG MWD+IFR1+MS
16900.000	90.000	359.754	10210.000	57.128	0.000	69.186	0.000	57.128	0.000	0.000	69.226	38.668	2.107	XOM_R2OWSG MWD+IFR1+MS
17000.000	90.000	359.754	10210.000	57.880	0.000	69.926	0.000	57.880	0.000	0.000	69.966	38.707	2.089	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	359.754	10210.000	58.632	0.000	70.669	0.000	58.632	0.000	0.000	70.710	38.748	2.070	XOM_R2OWSG MWD+IFR1+MS
17200.000	90.000	359.754	10210.000	59.386	0.000	71.416	0.000	59.386	0.000	0.000	71.456	38.789	2.052	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	359.754	10210.000	60.140	0.000	72.165	0.000	60.140	0.000	0.000	72.205	38.830	2.034	XOM_R2OWSG MWD+IFR1+MS
17400.000	90.000	359.754	10210.000	60.895	0.000	72.917	0.000	60.895	0.000	0.000	72.958	38.873	2.016	XOM_R2OWSG MWD+IFR1+MS
17500.000	90.000	359.754	10210.000	61.651	0.000	73.672	0.000	61.651	0.000	0.000	73.713	38.916	1.998	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	359.754	10210.000	62.407	0.000	74.430	0.000	62.407	0.000	0.000	74.471	38.959	1.980	XOM_R2OWSG MWD+IFR1+MS

17700.000	90.000	359.754	10210.000	63.164	0.000	75.191	0.000	63.164	0.000	0.000	75.232	39.003	1.963	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	359.754	10210.000	63.922	0.000	75.954	0.000	63.922	0.000	0.000	75.995	39.048	1.945	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	359.754	10210.000	64.680	0.000	76.719	0.000	64.680	0.000	0.000	76.760	39.093	1.928	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	359.754	10210.000	65.439	0.000	77.488	0.000	65.439	0.000	0.000	77.528	39.139	1.911	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	359.754	10210.000	66.199	0.000	78.258	0.000	66.199	0.000	0.000	78.299	39.185	1.894	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	359.754	10210.000	66.959	0.000	79.031	0.000	66.959	0.000	0.000	79.072	39.232	1.877	XOM_R2OWSG MWD+IFR1+MS
18271.205	90.000	359.754	10210.000	67.501	0.000	79.582	0.000	67.501	0.000	0.000	79.623	39.266	1.865	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	359.754	10210.000	67.720	0.000	79.805	0.000	67.720	0.000	0.000	79.845	39.280	1.860	XOM_R2OWSG MWD+IFR1+MS
18321.224	90.000	359.754	10210.000	67.881	0.000	79.969	0.000	67.881	0.000	0.000	80.010	39.290	1.857	XOM_R2OWSG MWD+IFR1+MS

Plan Targets

Corral 17-8 Fed Com 125H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
125H BHL	18321.21	416412.20	602333.10	7203.00	CIRCLE
125H FTP	10744.73	408835.80	602365.50	7203.00	CIRCLE
125H LTP	18271.21	416362.20	602333.20	7203.00	CIRCLE

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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC			
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			
XTO ENERGY INC DELAWARE BASIN		DRAWN VJK 31MAR22	
DRAWING NO. HBE0000479		APPRV	



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	--

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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]

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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®**

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*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:

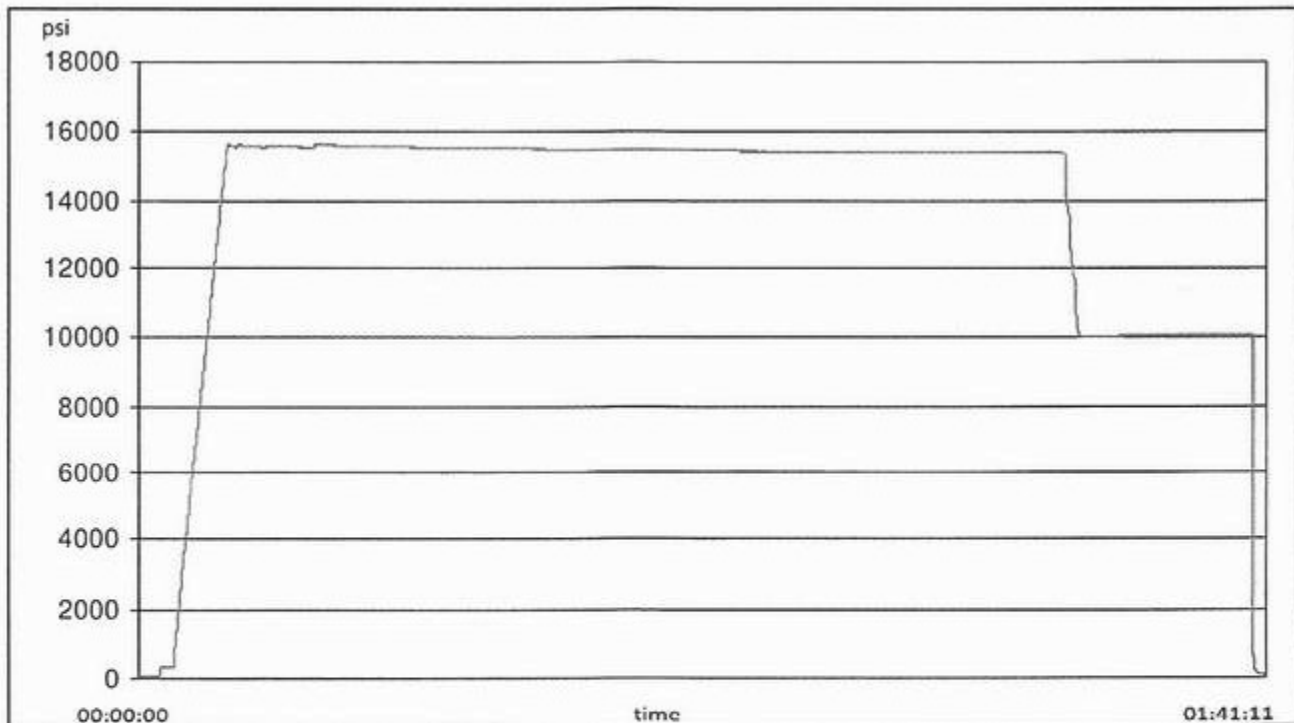
Visual check:

Pressure test result: PASS

Length measurement result:

Length: 45 feet

Test operator: Travis





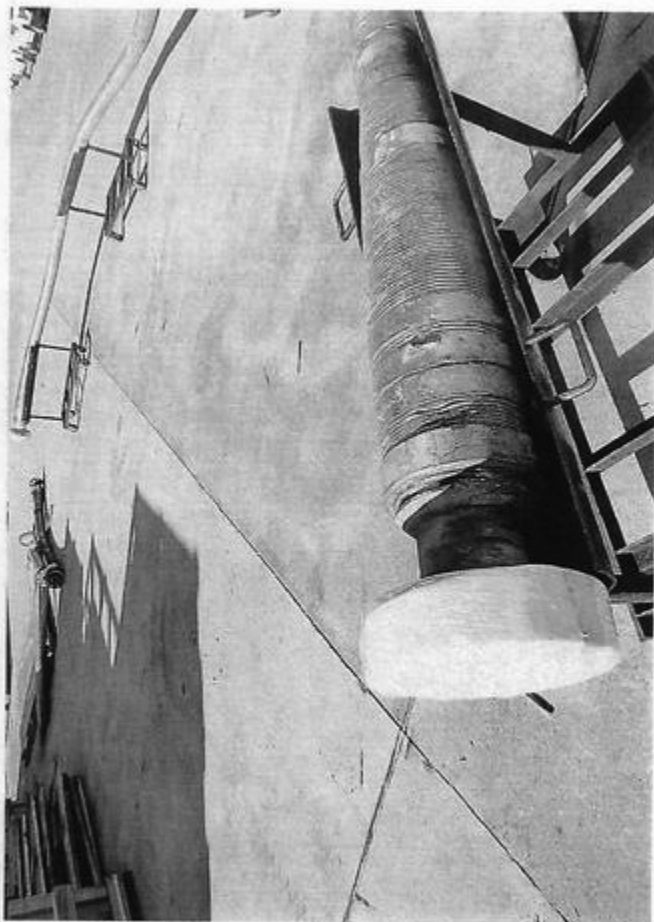
1/25/2024 11:48:06 AM

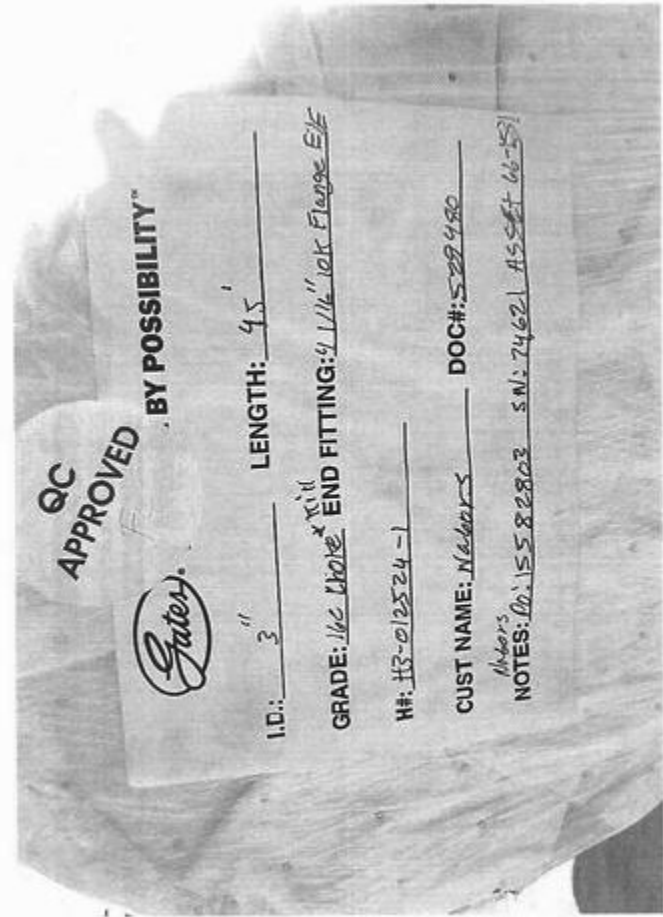
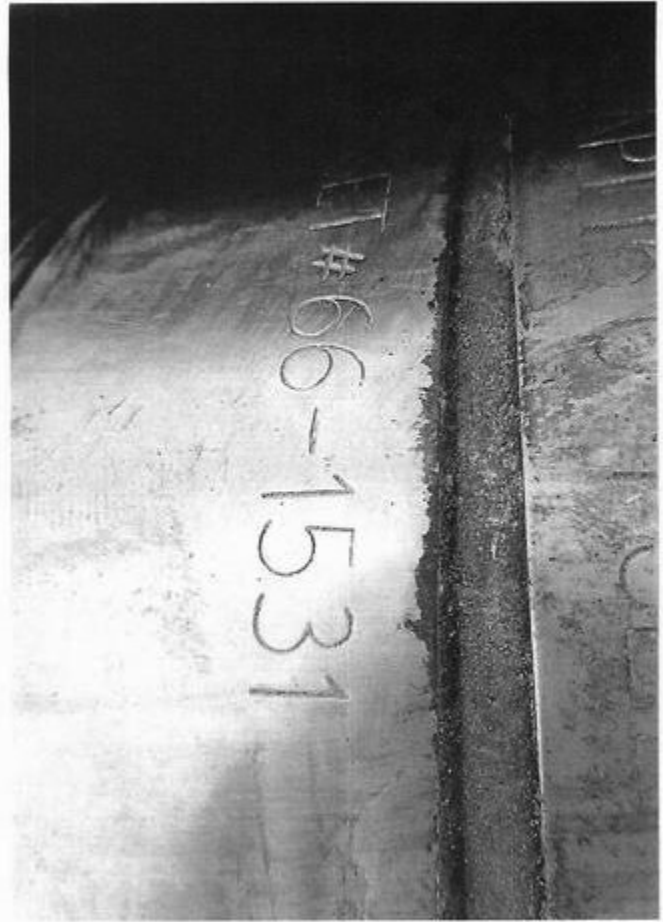
TEST REPORT

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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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 373864

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 373864
	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