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

Sundry Print Report

07/10/2024

Well Name: CORRAL CANYON 17-8 FEDERAL

Well Location: T25S / R29E / SEC 17 / SWSE / 32.123696 / -104.006278

County or Parish/State: EDDY / NM

Well Number: 126H

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: 2791067

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 05/17/2024

Time Sundry Submitted: 08:53

Date proposed operation will begin: 05/31/2024

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include LTP, BHL, & Proposed total Depth. FROM: TO: LTP: 330' FNL & 750' FEL OF SECTION 8-T25S-R29E 100' FNL & 750' FEL OF SECTION 8-T25S-R29E BHL: 200' FNL & 750' FEL OF SECTION 8-T25S-R29E 50' FNL & 750' FEL OF SECTION 8-T25S-R29E The proposed total depth is changing from 20856' MD; 10226' TVD (Wolfcamp) to 21429' MD; 10230' TVD (Wolfcamp A). See attached Drilling Plan for updated cement and casing program. Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance and Well Control Plan.

NOI Attachments

Procedure Description

Corral_17_8_Fed_126H_Sundry_Documents_20240517085232.pdf

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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: TERRA SEBASTIAN

Signed on: MAY 17, 2024 08:52 AM

Name: XTO ENERGY INCORPORATED

Title: Regulatory Advisor

Street Address: 6401 HOLIDAY HILL ROAD SUITE 200

City: MIDLAND **State:** TX

Phone: (432) 999-3107

Email address: TERRA.B.SEBASTIAN@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: 07/09/2024

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

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

10. Field and Pool or Exploratory Area

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

11. Country or Parish, State

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

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

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

Additional Information

Additional Remarks

Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance and Well Control Plan.

Location of Well

0. SHL: SWSE / 314 FSL / 2555 FEL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.123696 / LONG: -104.006278 (TVD: 0 feet, MD: 0 feet)

PPP: SENE / 330 FSL / 750 FEL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.13552 / LONG: -104.0002 (TVD: 10226 feet, MD: 13500 feet)

PPP: SESE / 330 FSL / 750 FEL / TWSP: 25S / RANGE: 29E / SECTION: 17 / LAT: 32.123663 / LONG: -104.000448 (TVD: 10226 feet, MD: 10800 feet)

BHL: NENE / 200 FNL / 750 FEL / TWSP: 25S / RANGE: 29E / SECTION: 8 / LAT: 32.15137 / LONG: -104.000463 (TVD: 10226 feet, MD: 20856 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	[2] Pool Code	[3] Pool Name
30-015-	98220	PURPLE SAGE, WOLFCAMP (GAS)

[4] Property Code	[5] Property Name	[6] Well Number
	CORRAL 17-8 FED COM	126H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO ENERGY, INC	2,980'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	17	25 S	29 E		314	SOUTH	2,555	EAST	EDDY

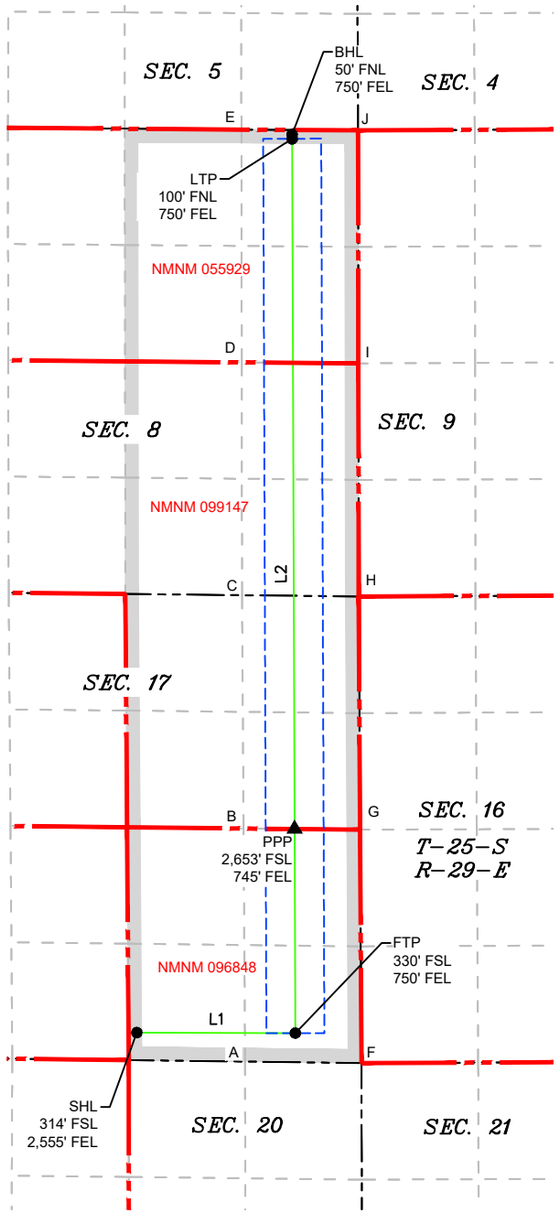
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	8	25 S	29 E		50	NORTH	750	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640			

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

[16]



LEGEND

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

LINE TABLE		
LINE	BEARING	LENGTH
L1	S89°47'39"E	1805.11'
L2	N00°12'13"W	10179.38'

COORDINATE TABLE

SHL (NAD 83 NME)	SHL (NAD 27 NME)
Y = 408,890.1 N	Y = 408,831.7 N
X = 642,584.5 E	X = 601,400.5 E
LAT. = 32.123696 °N	LAT. = 32.123571 °N
LONG. = 104.006278 °W	LONG. = 104.005790 °W
FTP (NAD 83 NME)	**FTP (NAD 27 NME)**
Y = 408,883.6 N	Y = 408,825.2 N
X = 644,389.6 E	X = 603,205.6 E
LAT. = 32.123663 °N	LAT. = 32.123538 °N
LONG. = 104.000448 °W	LONG. = 103.999960 °W
LTP (NAD 83 NME)	**LTP (NAD 27 NME)**
Y = 419,063.0 N	Y = 419,004.3 N
X = 644,353.4 E	X = 603,169.5 E
LAT. = 32.151645 °N	LAT. = 32.151520 °N
LONG. = 104.000463 °W	LONG. = 103.999974 °W
BHL (NAD 83 NME)	**BHL (NAD 27 NME)**
Y = 419,113.0 N	Y = 419,054.3 N
X = 644,353.3 E	X = 603,169.4 E
LAT. = 32.151782 °N	LAT. = 32.151658 °N
LONG. = 104.000463 °W	LONG. = 103.999974 °W
PPP (NAD 83 NME)	**PPP (NAD 27 NME)**
Y = 411,207.0 N	Y = 411,148.5 N
X = 644,381.2 E	X = 603,197.1 E
LAT. = 32.130049 °N	LAT. = 32.129925 °N
LONG. = 104.000452 °W	LONG. = 103.999964 °W

CORNER COORDINATES (NAD 83 NME)	
A - Y = 408,560.9 N	A - X = 643,817.1 E
B - Y = 411,213.4 N	B - X = 643,799.8 E
C - Y = 413,868.1 N	C - X = 643,782.5 E
D - Y = 416,518.5 N	D - X = 643,778.7 E
E - Y = 419,167.3 N	E - X = 643,775.1 E
F - Y = 408,544.1 N	F - X = 645,141.6 E
G - Y = 411,199.0 N	G - X = 645,126.3 E
H - Y = 413,853.8 N	H - X = 645,111.0 E
I - Y = 416,506.6 N	I - X = 645,107.0 E
J - Y = 419,157.4 N	J - X = 645,103.3 E

CORNER COORDINATES (NAD 27 NME)	
A - Y = 408,502.4 N	A - X = 602,633.1 E
B - Y = 411,154.8 N	B - X = 602,615.7 E
C - Y = 413,809.5 N	C - X = 602,598.5 E
D - Y = 416,459.9 N	D - X = 602,594.8 E
E - Y = 419,108.6 N	E - X = 602,591.3 E
F - Y = 408,485.6 N	F - X = 603,957.5 E
G - Y = 411,140.4 N	G - X = 603,942.2 E
H - Y = 413,795.2 N	H - X = 603,926.9 E
I - Y = 416,448.0 N	I - X = 603,923.0 E
J - Y = 419,098.7 N	J - X = 603,919.4 E

[17] OPERATOR CERTIFICATION

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

Terra Sebastian 5/16/2024
Signature Date

Terra Sebastian
Printed Name

terra.b.sebastian@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.

10/13/2023
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 618.013013.03-11

Intent [X] As Drilled [ ]

API #
30015

Operator Name:	Property Name:	Well Number
XTO ENERGY, INC	Coral 17-8 Fed Com	126H

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
P	17	25S	29E		330	South	750	East	Eddy

Latitude	Longitude	NAD
32.123663	104.000448	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	8	25S	29E		100	North	750	East	Eddy

Latitude	Longitude	NAD
32.151645	104.000463	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 126H
Projected TD: 21429.24' MD / 10230' TVD
SHL: 314' FSL & 2555' FEL , Section 17, T25S, R29E
BHL: 50' FNL & 750' 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	618'	Water
Base of Salt	2744'	Water
Delaware	2944'	Water
Brushy Canyon	5445'	Water/Oil/Gas
Bone Spring	6712'	Water
1st Bone Spring	7489'	Water/Oil/Gas
2nd Bone Spring	7908'	Water/Oil/Gas
3rd Bone Spring	8719'	Water/Oil/Gas
Wolfcamp	9885'	Water/Oil/Gas
Wolfcamp X	9907'	Water/Oil/Gas
Wolfcamp Y	9984'	Water/Oil/Gas
Wolfcamp A	10030'	Water/Oil/Gas
Target/Land Curve	10230'	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 @ 583' (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 9875.06' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 21429.24 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9575.06 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0’ – 583'	9.625	40	J-55	BTC	New	1.61	10.67	27.02
8.75	0’ – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.63	2.86	1.90
8.75	4000' – 9875.06'	7.625	29.7	HC L-80	Flush Joint	New	1.91	2.32	2.33
6.75	0’ – 9775.06'	5.5	20	RY P-110	Semi-Premium	New	1.26	1.99	2.17
6.75	9775.06' - 21429.24'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.90	2.17

· 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
· Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less
· XTO requests the option to use 5" BTC Float equipment for the the production casing

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 11” 10M top flange x 9-5/8” bottom

B. Tubing Head: 11” 10M bottom flange x 7-1/16” 15M top flange

- Wellhead will be installed by manufacturer’s representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 583'

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 +/- 9875.06'
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: 410 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 5445
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 (5445') 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 +/- 21429.24'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9575.06 feet
Tail: 810 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10075.06 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 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 10M Double Ram BOP. MASP should not exceed 3601 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the rated working pressure. When nippling up on the 9.625, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nippling 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 day.

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

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

hole on each of the wells.

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 583'	12.25	FW/Native	8.5-9	35-40	NC
583' - 9875.06'	8.75	FW / Cut Brine / Direct Emulsion	9-9.5	30-32	NC
9875.06' - 21429.24'	6.75	OBM	11-11.5	50-60	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. Cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

A. A Kelly cock will be in the drill string at all times.
B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
C. H2S monitors will be on location when drilling below the 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 5852 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 126H

Measured Depth:	21429.24 ft
TVD RKB:	10230.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	408831.70 ft
Easting:	601400.50 ft
RKB:	3013.00 ft
Ground Level:	2980.00 ft
North Reference:	Grid
Convergence Angle:	0.17 Deg

Plan Sections Corral 17-8 Fed Com 126H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
3311.21	44.67	111.79	3093.95	-304.09	760.60	2.02	0.00	2.02	
3750.05	44.67	111.79	3406.05	-418.61	1047.04	0.00	0.00	0.00	
5961.26	0.00	0.00	5400.00	-722.69	1807.64	-2.02	0.00	2.02	
10075.06	0.00	0.00	9513.80	-722.69	1807.64	0.00	0.00	0.00	
11200.06	90.00	359.80	10230.00	-6.50	1805.10	8.00	0.00	8.00	126H FTP
21379.23	90.00	359.80	10230.00	10172.60	1769.00	0.00	0.00	0.00	126H LTP
21429.24	90.00	359.80	10230.00	10222.61	1768.82	0.00	0.00	0.00	126H BHL

Position Uncertainty Corral 17-8 Fed Com 126H

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

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	XOM_R2OWSG MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.358	0.000	0.179	0.000	2.300	0.000	0.000	0.358	0.179	90.000	XOM_R2OWSG MWD+IFR1+MS
200.000	0.000	0.000	200.000	0.717	0.000	0.538	0.000	2.309	0.000	0.000	0.717	0.538	90.000	XOM_R2OWSG MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.075	0.000	0.896	0.000	2.324	0.000	0.000	1.075	0.896	90.000	XOM_R2OWSG MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.434	0.000	1.255	0.000	2.345	0.000	0.000	1.434	1.255	90.000	XOM_R2OWSG MWD+IFR1+MS
500.000	0.000	0.000	500.000	1.792	0.000	1.613	0.000	2.372	0.000	0.000	1.792	1.613	90.000	XOM_R2OWSG MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.151	0.000	1.972	0.000	2.403	0.000	0.000	2.151	1.972	90.000	XOM_R2OWSG MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.509	0.000	2.330	0.000	2.439	0.000	0.000	2.509	2.330	90.000	XOM_R2OWSG MWD+IFR1+MS
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.480	0.000	0.000	2.868	2.689	90.000	XOM_R2OWSG MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.226	0.000	3.047	0.000	2.525	0.000	0.000	3.226	3.047	90.000	XOM_R2OWSG MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	3.585	0.000	3.405	0.000	2.573	0.000	0.000	3.585	3.405	90.000	XOM_R2OWSG MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	3.943	0.000	3.764	0.000	2.626	0.000	0.000	3.943	3.764	90.000	XOM_R2OWSG MWD+IFR1+MS
1200.000	2.020	111.791	1199.979	4.133	0.000	4.266	-0.000	2.681	0.000	0.000	4.290	4.110	90.033	XOM_R2OWSG MWD+IFR1+MS
1300.000	4.040	111.791	1299.834	4.464	0.000	4.605	-0.000	2.737	0.000	0.000	4.629	4.448	90.031	XOM_R2OWSG MWD+IFR1+MS
1400.000	6.060	111.791	1399.441	4.792	0.000	4.948	-0.000	2.795	0.000	0.000	4.973	4.790	90.127	XOM_R2OWSG MWD+IFR1+MS
1500.000	8.080	111.791	1498.675	5.119	0.000	5.296	-0.000	2.853	0.000	0.000	5.320	5.134	90.447	XOM_R2OWSG MWD+IFR1+MS
1600.000	10.100	111.791	1597.415	5.442	0.000	5.649	-0.000	2.913	0.000	0.000	5.673	5.482	91.097	XOM_R2OWSG MWD+IFR1+MS
1700.000	12.120	111.791	1695.535	5.764	0.000	6.008	-0.000	2.976	0.000	0.000	6.030	5.832	92.148	XOM_R2OWSG MWD+IFR1+MS
1800.000	14.140	111.791	1792.916	6.084	0.000	6.374	-0.000	3.041	0.000	0.000	6.394	6.185	93.633	XOM_R2OWSG MWD+IFR1+MS

1900.000	16.160	111.791	1889.436	6.402	0.000	6.748	-0.000	3.111	0.000	0.000	6.765	6.540	95.519	XOM_R2OWSG MWD+IFR1+MS
2000.000	18.180	111.791	1984.974	6.719	0.000	7.132	-0.000	3.187	0.000	0.000	7.146	6.898	97.709	XOM_R2OWSG MWD+IFR1+MS
2100.000	20.200	111.791	2079.412	7.035	0.000	7.527	-0.000	3.270	0.000	0.000	7.538	7.259	100.048	XOM_R2OWSG MWD+IFR1+MS
2200.000	22.220	111.791	2172.634	7.352	0.000	7.935	-0.000	3.361	0.000	0.000	7.943	7.621	102.361	XOM_R2OWSG MWD+IFR1+MS
2300.000	24.240	111.791	2264.522	7.669	0.000	8.358	-0.000	3.464	0.000	0.000	8.364	7.986	104.501	XOM_R2OWSG MWD+IFR1+MS
2400.000	26.260	111.791	2354.963	7.987	0.000	8.799	-0.000	3.579	0.000	0.000	8.803	8.352	106.371	XOM_R2OWSG MWD+IFR1+MS
2500.000	28.280	111.791	2443.844	8.307	0.000	9.259	-0.000	3.709	0.000	0.000	9.261	8.719	107.937	XOM_R2OWSG MWD+IFR1+MS
2600.000	30.300	111.791	2531.055	8.629	0.000	9.740	-0.000	3.857	0.000	0.000	9.741	9.087	109.203	XOM_R2OWSG MWD+IFR1+MS
2700.000	32.320	111.791	2616.487	8.954	0.000	10.245	-0.000	4.024	0.000	0.000	10.246	9.456	110.202	XOM_R2OWSG MWD+IFR1+MS
2800.000	34.340	111.791	2700.035	9.282	0.000	10.776	-0.000	4.212	0.000	0.000	10.776	9.826	110.975	XOM_R2OWSG MWD+IFR1+MS
2900.000	36.360	111.791	2781.594	9.613	0.000	11.335	-0.000	4.424	0.000	0.000	11.335	10.194	111.563	XOM_R2OWSG MWD+IFR1+MS
3000.000	38.380	111.791	2861.063	9.948	0.000	11.922	-0.000	4.660	0.000	0.000	11.922	10.562	112.003	XOM_R2OWSG MWD+IFR1+MS
3100.000	40.400	111.791	2938.343	10.286	0.000	12.541	-0.000	4.922	0.000	0.000	12.541	10.929	112.327	XOM_R2OWSG MWD+IFR1+MS
3200.000	42.420	111.791	3013.339	10.629	0.000	13.192	-0.000	5.212	0.000	0.000	13.193	11.292	112.561	XOM_R2OWSG MWD+IFR1+MS
3300.000	44.440	111.791	3085.957	10.975	0.000	13.877	-0.000	5.529	0.000	0.000	13.877	11.652	112.724	XOM_R2OWSG MWD+IFR1+MS
3311.214	44.666	111.791	3093.948	11.014	0.000	13.955	-0.000	5.559	0.000	0.000	13.956	11.696	112.741	XOM_R2OWSG MWD+IFR1+MS
3400.000	44.666	111.791	3157.094	11.476	0.000	14.587	-0.000	5.875	0.000	0.000	14.588	12.008	112.839	XOM_R2OWSG MWD+IFR1+MS
3500.000	44.666	111.791	3228.215	12.005	0.000	15.316	-0.000	6.241	0.000	0.000	15.317	12.366	112.921	XOM_R2OWSG MWD+IFR1+MS
3600.000	44.666	111.791	3299.336	12.541	0.000	16.058	-0.000	6.616	0.000	0.000	16.059	12.728	112.984	XOM_R2OWSG MWD+IFR1+MS
3700.000	44.666	111.791	3370.457	13.084	0.000	16.812	-0.000	6.999	0.000	0.000	16.813	13.096	113.032	XOM_R2OWSG MWD+IFR1+MS

3750.049	44.666	111.791	3406.052	13.357	0.000	17.192	-0.000	7.193	0.000	0.000	17.193	13.282	113.053	XOM_R2OWSG MWD+IFR1+MS
3800.000	43.657	111.791	3441.885	13.711	0.000	17.570	-0.000	7.389	0.000	0.000	17.572	13.468	113.072	XOM_R2OWSG MWD+IFR1+MS
3900.000	41.637	111.791	3515.435	14.403	0.000	18.321	-0.000	7.773	0.000	0.000	18.323	13.848	113.110	XOM_R2OWSG MWD+IFR1+MS
4000.000	39.617	111.791	3591.327	15.075	0.000	19.054	-0.000	8.145	0.000	0.000	19.057	14.239	113.150	XOM_R2OWSG MWD+IFR1+MS
4100.000	37.597	111.791	3669.467	15.723	0.000	19.766	-0.000	8.499	0.000	0.000	19.769	14.639	113.192	XOM_R2OWSG MWD+IFR1+MS
4200.000	35.577	111.791	3749.757	16.345	0.000	20.455	-0.000	8.835	0.000	0.000	20.458	15.048	113.236	XOM_R2OWSG MWD+IFR1+MS
4300.000	33.557	111.791	3832.099	16.940	0.000	21.118	-0.000	9.151	0.000	0.000	21.122	15.462	113.282	XOM_R2OWSG MWD+IFR1+MS
4400.000	31.537	111.791	3916.389	17.505	0.000	21.755	-0.000	9.448	0.000	0.000	21.758	15.881	113.329	XOM_R2OWSG MWD+IFR1+MS
4500.000	29.517	111.791	4002.523	18.038	0.000	22.364	-0.000	9.726	0.000	0.000	22.368	16.301	113.378	XOM_R2OWSG MWD+IFR1+MS
4600.000	27.497	111.791	4090.394	18.540	0.000	22.944	-0.000	9.984	0.000	0.000	22.949	16.722	113.428	XOM_R2OWSG MWD+IFR1+MS
4700.000	25.477	111.791	4179.893	19.007	0.000	23.496	-0.000	10.224	0.000	0.000	23.501	17.141	113.480	XOM_R2OWSG MWD+IFR1+MS
4800.000	23.457	111.791	4270.907	19.440	0.000	24.020	-0.000	10.445	0.000	0.000	24.025	17.558	113.532	XOM_R2OWSG MWD+IFR1+MS
4900.000	21.437	111.791	4363.326	19.838	0.000	24.515	-0.000	10.648	0.000	0.000	24.521	17.969	113.584	XOM_R2OWSG MWD+IFR1+MS
5000.000	19.417	111.791	4457.032	20.199	0.000	24.983	-0.000	10.835	0.000	0.000	24.989	18.374	113.636	XOM_R2OWSG MWD+IFR1+MS
5100.000	17.397	111.791	4551.911	20.523	0.000	25.423	-0.000	11.005	0.000	0.000	25.430	18.771	113.689	XOM_R2OWSG MWD+IFR1+MS
5200.000	15.377	111.791	4647.843	20.809	0.000	25.838	-0.000	11.161	0.000	0.000	25.845	19.160	113.741	XOM_R2OWSG MWD+IFR1+MS
5300.000	13.357	111.791	4744.711	21.057	0.000	26.227	-0.000	11.302	0.000	0.000	26.234	19.539	113.791	XOM_R2OWSG MWD+IFR1+MS
5400.000	11.337	111.791	4842.393	21.267	0.000	26.592	-0.000	11.431	0.000	0.000	26.600	19.906	113.841	XOM_R2OWSG MWD+IFR1+MS
5500.000	9.317	111.791	4940.767	21.439	0.000	26.934	-0.000	11.548	0.000	0.000	26.942	20.261	113.888	XOM_R2OWSG MWD+IFR1+MS
5600.000	7.297	111.791	5039.713	21.572	0.000	27.255	-0.000	11.654	0.000	0.000	27.263	20.604	113.934	XOM_R2OWSG MWD+IFR1+MS

5700.000	5.277	111.791	5139.106	21.667	0.000	27.556	-0.000	11.751	0.000	0.000	27.564	20.934	113.976	XOM_R2OWSG MWD+IFR1+MS
5800.000	3.257	111.791	5238.824	21.725	0.000	27.837	-0.000	11.841	0.000	0.000	27.846	21.249	114.015	XOM_R2OWSG MWD+IFR1+MS
5900.000	1.237	111.791	5338.742	21.745	0.000	28.101	-0.000	11.924	0.000	0.000	28.110	21.550	114.050	XOM_R2OWSG MWD+IFR1+MS
5961.263	0.000	0.000	5400.000	27.286	0.000	22.939	0.000	11.972	0.000	0.000	28.262	21.725	114.040	XOM_R2OWSG MWD+IFR1+MS
6000.000	0.000	0.000	5438.737	27.382	0.000	23.040	0.000	12.002	0.000	0.000	28.354	21.831	114.016	XOM_R2OWSG MWD+IFR1+MS
6100.000	0.000	0.000	5538.737	27.631	0.000	23.302	0.000	12.081	0.000	0.000	28.595	22.109	113.952	XOM_R2OWSG MWD+IFR1+MS
6200.000	0.000	0.000	5638.737	27.882	0.000	23.567	0.000	12.162	0.000	0.000	28.838	22.388	113.889	XOM_R2OWSG MWD+IFR1+MS
6300.000	0.000	0.000	5738.737	28.136	0.000	23.834	0.000	12.246	0.000	0.000	29.083	22.670	113.827	XOM_R2OWSG MWD+IFR1+MS
6400.000	0.000	0.000	5838.737	28.393	0.000	24.104	0.000	12.333	0.000	0.000	29.331	22.954	113.765	XOM_R2OWSG MWD+IFR1+MS
6500.000	0.000	0.000	5938.737	28.651	0.000	24.376	0.000	12.422	0.000	0.000	29.580	23.239	113.704	XOM_R2OWSG MWD+IFR1+MS
6600.000	0.000	0.000	6038.737	28.911	0.000	24.650	0.000	12.514	0.000	0.000	29.833	23.527	113.643	XOM_R2OWSG MWD+IFR1+MS
6700.000	0.000	0.000	6138.737	29.174	0.000	24.927	0.000	12.608	0.000	0.000	30.087	23.817	113.583	XOM_R2OWSG MWD+IFR1+MS
6800.000	0.000	0.000	6238.737	29.439	0.000	25.205	0.000	12.705	0.000	0.000	30.343	24.108	113.524	XOM_R2OWSG MWD+IFR1+MS
6900.000	0.000	0.000	6338.737	29.705	0.000	25.486	0.000	12.805	0.000	0.000	30.602	24.402	113.465	XOM_R2OWSG MWD+IFR1+MS
7000.000	0.000	0.000	6438.737	29.974	0.000	25.768	0.000	12.908	0.000	0.000	30.862	24.697	113.406	XOM_R2OWSG MWD+IFR1+MS
7100.000	0.000	0.000	6538.737	30.244	0.000	26.052	0.000	13.014	0.000	0.000	31.125	24.993	113.348	XOM_R2OWSG MWD+IFR1+MS
7200.000	0.000	0.000	6638.737	30.516	0.000	26.338	0.000	13.123	0.000	0.000	31.389	25.292	113.291	XOM_R2OWSG MWD+IFR1+MS
7300.000	0.000	0.000	6738.737	30.790	0.000	26.626	0.000	13.234	0.000	0.000	31.655	25.591	113.234	XOM_R2OWSG MWD+IFR1+MS
7400.000	0.000	0.000	6838.737	31.066	0.000	26.915	0.000	13.349	0.000	0.000	31.923	25.893	113.178	XOM_R2OWSG MWD+IFR1+MS
7500.000	0.000	0.000	6938.737	31.343	0.000	27.207	0.000	13.467	0.000	0.000	32.193	26.195	113.122	XOM_R2OWSG MWD+IFR1+MS

7600.000	0.000	0.000	7038.737	31.622	0.000	27.499	0.000	13.588	0.000	0.000	32.465	26.499	113.066	XOM_R2OWSG MWD+IFR1+MS
7700.000	0.000	0.000	7138.737	31.903	0.000	27.794	0.000	13.712	0.000	0.000	32.738	26.805	113.011	XOM_R2OWSG MWD+IFR1+MS
7800.000	0.000	0.000	7238.737	32.185	0.000	28.089	0.000	13.839	0.000	0.000	33.013	27.111	112.957	XOM_R2OWSG MWD+IFR1+MS
7900.000	0.000	0.000	7338.737	32.469	0.000	28.386	0.000	13.969	0.000	0.000	33.289	27.419	112.903	XOM_R2OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7438.737	32.754	0.000	28.685	0.000	14.102	0.000	0.000	33.567	27.729	112.849	XOM_R2OWSG MWD+IFR1+MS
8100.000	0.000	0.000	7538.737	33.040	0.000	28.985	0.000	14.239	0.000	0.000	33.847	28.039	112.796	XOM_R2OWSG MWD+IFR1+MS
8200.000	0.000	0.000	7638.737	33.328	0.000	29.286	0.000	14.379	0.000	0.000	34.128	28.350	112.743	XOM_R2OWSG MWD+IFR1+MS
8300.000	0.000	0.000	7738.737	33.617	0.000	29.589	0.000	14.522	0.000	0.000	34.410	28.663	112.691	XOM_R2OWSG MWD+IFR1+MS
8400.000	0.000	0.000	7838.737	33.908	0.000	29.893	0.000	14.669	0.000	0.000	34.694	28.976	112.639	XOM_R2OWSG MWD+IFR1+MS
8500.000	0.000	0.000	7938.737	34.200	0.000	30.198	0.000	14.819	0.000	0.000	34.980	29.291	112.588	XOM_R2OWSG MWD+IFR1+MS
8600.000	0.000	0.000	8038.737	34.493	0.000	30.504	0.000	14.972	0.000	0.000	35.266	29.606	112.537	XOM_R2OWSG MWD+IFR1+MS
8700.000	0.000	0.000	8138.737	34.787	0.000	30.811	0.000	15.129	0.000	0.000	35.554	29.923	112.487	XOM_R2OWSG MWD+IFR1+MS
8800.000	0.000	0.000	8238.737	35.083	0.000	31.119	0.000	15.289	0.000	0.000	35.843	30.240	112.437	XOM_R2OWSG MWD+IFR1+MS
8900.000	0.000	0.000	8338.737	35.380	0.000	31.429	0.000	15.453	0.000	0.000	36.134	30.559	112.387	XOM_R2OWSG MWD+IFR1+MS
9000.000	0.000	0.000	8438.737	35.678	0.000	31.739	0.000	15.620	0.000	0.000	36.426	30.878	112.338	XOM_R2OWSG MWD+IFR1+MS
9100.000	0.000	0.000	8538.737	35.976	0.000	32.051	0.000	15.791	0.000	0.000	36.718	31.198	112.289	XOM_R2OWSG MWD+IFR1+MS
9200.000	0.000	0.000	8638.737	36.277	0.000	32.363	0.000	15.965	0.000	0.000	37.012	31.519	112.240	XOM_R2OWSG MWD+IFR1+MS
9300.000	0.000	0.000	8738.737	36.578	0.000	32.677	0.000	16.142	0.000	0.000	37.308	31.841	112.192	XOM_R2OWSG MWD+IFR1+MS
9400.000	0.000	0.000	8838.737	36.880	0.000	32.991	0.000	16.323	0.000	0.000	37.604	32.163	112.145	XOM_R2OWSG MWD+IFR1+MS
9500.000	0.000	0.000	8938.737	37.183	0.000	33.306	0.000	16.508	0.000	0.000	37.901	32.486	112.098	XOM_R2OWSG MWD+IFR1+MS

9600.000	0.000	0.000	9038.737	37.487	0.000	33.622	0.000	16.696	0.000	0.000	38.200	32.810	112.051	XOM_R2OWSG MWD+IFR1+MS
9700.000	0.000	0.000	9138.737	37.792	0.000	33.939	0.000	16.888	0.000	0.000	38.499	33.135	112.004	XOM_R2OWSG MWD+IFR1+MS
9800.000	0.000	0.000	9238.737	38.098	0.000	34.257	0.000	17.083	0.000	0.000	38.799	33.460	111.958	XOM_R2OWSG MWD+IFR1+MS
9900.000	0.000	0.000	9338.737	38.405	0.000	34.575	0.000	17.282	0.000	0.000	39.101	33.786	111.913	XOM_R2OWSG MWD+IFR1+MS
10000.000	0.000	0.000	9438.737	38.713	0.000	34.895	0.000	17.484	0.000	0.000	39.403	34.113	111.867	XOM_R2OWSG MWD+IFR1+MS
10075.060	0.000	0.000	9513.803	38.944	0.000	35.135	0.000	17.639	0.000	0.000	39.631	34.358	111.833	XOM_R2OWSG MWD+IFR1+MS
10100.000	1.995	359.796	9538.738	38.917	0.000	35.228	0.000	17.690	0.000	0.000	39.706	34.439	111.824	XOM_R2OWSG MWD+IFR1+MS
10200.000	9.995	359.796	9638.110	38.477	0.000	35.535	0.000	17.897	0.000	0.000	40.001	34.750	111.817	XOM_R2OWSG MWD+IFR1+MS
10300.000	17.995	359.796	9735.063	37.448	0.000	35.823	0.000	18.108	0.000	0.000	40.278	35.036	111.861	XOM_R2OWSG MWD+IFR1+MS
10400.000	25.995	359.796	9827.709	35.877	0.000	36.086	0.000	18.331	0.000	0.000	40.529	35.295	111.960	XOM_R2OWSG MWD+IFR1+MS
10500.000	33.995	359.796	9914.246	33.837	0.000	36.324	0.000	18.572	0.000	0.000	40.746	35.526	112.103	XOM_R2OWSG MWD+IFR1+MS
10600.000	41.995	359.796	9992.988	31.432	0.000	36.535	0.000	18.838	0.000	0.000	40.925	35.730	112.271	XOM_R2OWSG MWD+IFR1+MS
10700.000	49.995	359.796	10062.403	28.805	0.000	36.719	0.000	19.135	0.000	0.000	41.063	35.910	112.438	XOM_R2OWSG MWD+IFR1+MS
10800.000	57.995	359.796	10121.141	26.153	0.000	36.877	0.000	19.466	0.000	0.000	41.158	36.069	112.575	XOM_R2OWSG MWD+IFR1+MS
10900.000	65.995	359.796	10168.057	23.737	0.000	37.009	0.000	19.834	0.000	0.000	41.213	36.211	112.646	XOM_R2OWSG MWD+IFR1+MS
11000.000	73.995	359.796	10202.239	21.884	0.000	37.116	0.000	20.236	0.000	0.000	41.230	36.340	112.607	XOM_R2OWSG MWD+IFR1+MS
11100.000	81.995	359.796	10223.022	20.935	0.000	37.200	0.000	20.667	0.000	0.000	41.216	36.458	112.410	XOM_R2OWSG MWD+IFR1+MS
11200.060	90.000	359.796	10230.000	21.119	0.000	37.260	0.000	21.119	0.000	0.000	41.180	36.567	111.993	XOM_R2OWSG MWD+IFR1+MS
11300.000	90.000	359.796	10230.000	21.586	0.000	37.319	0.000	21.586	0.000	0.000	41.137	36.679	111.477	XOM_R2OWSG MWD+IFR1+MS
11400.000	90.000	359.796	10230.000	22.073	0.000	37.399	0.000	22.073	0.000	0.000	41.096	36.809	111.013	XOM_R2OWSG MWD+IFR1+MS

11500.000	90.000	359.796	10230.000	22.576	0.000	37.499	0.000	22.576	0.000	0.000	41.060	36.957	110.601	XOM_R2OWSG MWD+IFR1+MS
11600.000	90.000	359.796	10230.000	23.094	0.000	37.619	0.000	23.094	0.000	0.000	41.026	37.121	110.244	XOM_R2OWSG MWD+IFR1+MS
11700.000	90.000	359.796	10230.000	23.627	0.000	37.760	0.000	23.627	0.000	0.000	40.996	37.303	109.946	XOM_R2OWSG MWD+IFR1+MS
11800.000	90.000	359.796	10230.000	24.175	0.000	37.921	0.000	24.175	0.000	0.000	40.968	37.502	109.714	XOM_R2OWSG MWD+IFR1+MS
11900.000	90.000	359.796	10230.000	24.734	0.000	38.101	0.000	24.734	0.000	0.000	40.943	37.719	109.559	XOM_R2OWSG MWD+IFR1+MS
12000.000	90.000	359.796	10230.000	25.306	0.000	38.301	0.000	25.306	0.000	0.000	40.921	37.952	109.495	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	359.796	10230.000	25.889	0.000	38.520	0.000	25.889	0.000	0.000	40.902	38.202	109.547	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	359.796	10230.000	26.482	0.000	38.757	0.000	26.482	0.000	0.000	40.885	38.468	109.753	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	359.796	10230.000	27.086	0.000	39.013	0.000	27.086	0.000	0.000	40.872	38.750	110.177	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	359.796	10230.000	27.698	0.000	39.288	0.000	27.698	0.000	0.000	40.861	39.047	110.933	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	359.796	10230.000	28.319	0.000	39.579	0.000	28.319	0.000	0.000	40.855	39.358	112.236	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	359.796	10230.000	28.947	0.000	39.889	0.000	28.947	0.000	0.000	40.854	39.680	114.558	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	359.796	10230.000	29.583	0.000	40.215	0.000	29.583	0.000	0.000	40.866	40.008	119.062	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	359.796	10230.000	30.227	0.000	40.557	0.000	30.227	0.000	0.000	40.906	40.323	128.999	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	359.796	10230.000	30.876	0.000	40.916	0.000	30.876	0.000	0.000	41.036	40.565	-30.665	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	359.796	10230.000	31.532	0.000	41.290	0.000	31.532	0.000	0.000	41.316	40.674	-11.840	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	359.796	10230.000	32.194	0.000	41.680	0.000	32.194	0.000	0.000	41.682	40.712	-3.082	XOM_R2OWSG MWD+IFR1+MS
13200.000	90.000	359.796	10230.000	32.861	0.000	42.084	0.000	32.861	0.000	0.000	42.085	40.728	1.011	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	359.796	10230.000	33.533	0.000	42.503	0.000	33.533	0.000	0.000	42.509	40.737	3.212	XOM_R2OWSG MWD+IFR1+MS
13400.000	90.000	359.796	10230.000	34.210	0.000	42.936	0.000	34.210	0.000	0.000	42.950	40.744	4.523	XOM_R2OWSG MWD+IFR1+MS

13500.000	90.000	359.796	10230.000	34.891	0.000	43.382	0.000	34.891	0.000	0.000	43.406	40.750	5.356	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	359.796	10230.000	35.577	0.000	43.842	0.000	35.577	0.000	0.000	43.876	40.756	5.907	XOM_R2OWSG MWD+IFR1+MS
13700.000	90.000	359.796	10230.000	36.267	0.000	44.314	0.000	36.267	0.000	0.000	44.358	40.762	6.280	XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	359.796	10230.000	36.960	0.000	44.799	0.000	36.960	0.000	0.000	44.852	40.769	6.534	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	359.796	10230.000	37.657	0.000	45.295	0.000	37.657	0.000	0.000	45.358	40.776	6.705	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	359.796	10230.000	38.358	0.000	45.803	0.000	38.358	0.000	0.000	45.875	40.785	6.818	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	359.796	10230.000	39.062	0.000	46.322	0.000	39.062	0.000	0.000	46.403	40.794	6.887	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	359.796	10230.000	39.768	0.000	46.852	0.000	39.768	0.000	0.000	46.941	40.804	6.925	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	359.796	10230.000	40.478	0.000	47.393	0.000	40.478	0.000	0.000	47.489	40.815	6.938	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	359.796	10230.000	41.190	0.000	47.943	0.000	41.190	0.000	0.000	48.047	40.827	6.932	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	359.796	10230.000	41.905	0.000	48.504	0.000	41.905	0.000	0.000	48.614	40.840	6.912	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	359.796	10230.000	42.623	0.000	49.074	0.000	42.623	0.000	0.000	49.190	40.854	6.881	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	359.796	10230.000	43.342	0.000	49.652	0.000	43.342	0.000	0.000	49.774	40.869	6.841	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	359.796	10230.000	44.064	0.000	50.240	0.000	44.064	0.000	0.000	50.368	40.884	6.795	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	359.796	10230.000	44.788	0.000	50.836	0.000	44.788	0.000	0.000	50.969	40.900	6.743	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	359.796	10230.000	45.514	0.000	51.440	0.000	45.514	0.000	0.000	51.578	40.917	6.686	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	359.796	10230.000	46.242	0.000	52.052	0.000	46.242	0.000	0.000	52.195	40.935	6.627	XOM_R2OWSG MWD+IFR1+MS
15200.000	90.000	359.796	10230.000	46.972	0.000	52.672	0.000	46.972	0.000	0.000	52.819	40.954	6.565	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	359.796	10230.000	47.704	0.000	53.299	0.000	47.704	0.000	0.000	53.450	40.974	6.502	XOM_R2OWSG MWD+IFR1+MS
15400.000	90.000	359.796	10230.000	48.437	0.000	53.933	0.000	48.437	0.000	0.000	54.087	40.994	6.437	XOM_R2OWSG MWD+IFR1+MS

15500.000	90.000	359.796	10230.000	49.172	0.000	54.574	0.000	49.172	0.000	0.000	54.732	41.015	6.372	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	359.796	10230.000	49.908	0.000	55.222	0.000	49.908	0.000	0.000	55.383	41.037	6.306	XOM_R2OWSG MWD+IFR1+MS
15700.000	90.000	359.796	10230.000	50.646	0.000	55.876	0.000	50.646	0.000	0.000	56.039	41.060	6.239	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	359.796	10230.000	51.385	0.000	56.536	0.000	51.385	0.000	0.000	56.702	41.084	6.173	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	359.796	10230.000	52.126	0.000	57.202	0.000	52.126	0.000	0.000	57.371	41.108	6.107	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	359.796	10230.000	52.868	0.000	57.874	0.000	52.868	0.000	0.000	58.045	41.133	6.041	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	359.796	10230.000	53.611	0.000	58.551	0.000	53.611	0.000	0.000	58.724	41.159	5.975	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	359.796	10230.000	54.355	0.000	59.234	0.000	54.355	0.000	0.000	59.409	41.185	5.910	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	359.796	10230.000	55.100	0.000	59.922	0.000	55.100	0.000	0.000	60.099	41.213	5.846	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	359.796	10230.000	55.847	0.000	60.615	0.000	55.847	0.000	0.000	60.793	41.241	5.782	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	359.796	10230.000	56.594	0.000	61.312	0.000	56.594	0.000	0.000	61.492	41.269	5.720	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	359.796	10230.000	57.342	0.000	62.015	0.000	57.342	0.000	0.000	62.196	41.299	5.658	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	359.796	10230.000	58.092	0.000	62.721	0.000	58.092	0.000	0.000	62.904	41.329	5.596	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	359.796	10230.000	58.842	0.000	63.433	0.000	58.842	0.000	0.000	63.617	41.360	5.536	XOM_R2OWSG MWD+IFR1+MS
16900.000	90.000	359.796	10230.000	59.593	0.000	64.148	0.000	59.593	0.000	0.000	64.333	41.391	5.476	XOM_R2OWSG MWD+IFR1+MS
17000.000	90.000	359.796	10230.000	60.345	0.000	64.867	0.000	60.345	0.000	0.000	65.053	41.423	5.418	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	359.796	10230.000	61.098	0.000	65.591	0.000	61.098	0.000	0.000	65.777	41.456	5.360	XOM_R2OWSG MWD+IFR1+MS
17200.000	90.000	359.796	10230.000	61.852	0.000	66.318	0.000	61.852	0.000	0.000	66.505	41.490	5.303	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	359.796	10230.000	62.606	0.000	67.049	0.000	62.606	0.000	0.000	67.237	41.524	5.247	XOM_R2OWSG MWD+IFR1+MS
17400.000	90.000	359.796	10230.000	63.362	0.000	67.783	0.000	63.362	0.000	0.000	67.972	41.559	5.192	XOM_R2OWSG MWD+IFR1+MS

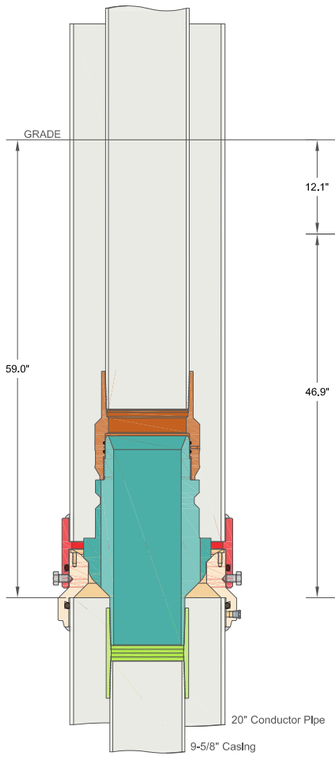
17500.000	90.000	359.796	10230.000	64.118	0.000	68.521	0.000	64.118	0.000	0.000	68.710	41.595	5.138	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	359.796	10230.000	64.874	0.000	69.262	0.000	64.874	0.000	0.000	69.452	41.631	5.085	XOM_R2OWSG MWD+IFR1+MS
17700.000	90.000	359.796	10230.000	65.631	0.000	70.007	0.000	65.631	0.000	0.000	70.196	41.668	5.032	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	359.796	10230.000	66.389	0.000	70.754	0.000	66.389	0.000	0.000	70.944	41.705	4.981	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	359.796	10230.000	67.148	0.000	71.505	0.000	67.148	0.000	0.000	71.695	41.743	4.930	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	359.796	10230.000	67.907	0.000	72.259	0.000	67.907	0.000	0.000	72.449	41.782	4.880	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	359.796	10230.000	68.667	0.000	73.015	0.000	68.667	0.000	0.000	73.205	41.822	4.831	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	359.796	10230.000	69.427	0.000	73.774	0.000	69.427	0.000	0.000	73.964	41.862	4.783	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	359.796	10230.000	70.188	0.000	74.536	0.000	70.188	0.000	0.000	74.726	41.902	4.735	XOM_R2OWSG MWD+IFR1+MS
18400.000	90.000	359.796	10230.000	70.949	0.000	75.300	0.000	70.949	0.000	0.000	75.490	41.944	4.689	XOM_R2OWSG MWD+IFR1+MS
18500.000	90.000	359.796	10230.000	71.711	0.000	76.067	0.000	71.711	0.000	0.000	76.257	41.985	4.643	XOM_R2OWSG MWD+IFR1+MS
18600.000	90.000	359.796	10230.000	72.473	0.000	76.837	0.000	72.473	0.000	0.000	77.026	42.028	4.598	XOM_R2OWSG MWD+IFR1+MS
18700.000	90.000	359.796	10230.000	73.236	0.000	77.608	0.000	73.236	0.000	0.000	77.798	42.071	4.553	XOM_R2OWSG MWD+IFR1+MS
18800.000	90.000	359.796	10230.000	73.999	0.000	78.383	0.000	73.999	0.000	0.000	78.572	42.115	4.510	XOM_R2OWSG MWD+IFR1+MS
18900.000	90.000	359.796	10230.000	74.763	0.000	79.159	0.000	74.763	0.000	0.000	79.348	42.159	4.467	XOM_R2OWSG MWD+IFR1+MS
19000.000	90.000	359.796	10230.000	75.527	0.000	79.937	0.000	75.527	0.000	0.000	80.126	42.204	4.425	XOM_R2OWSG MWD+IFR1+MS
19100.000	90.000	359.796	10230.000	76.291	0.000	80.718	0.000	76.291	0.000	0.000	80.906	42.250	4.383	XOM_R2OWSG MWD+IFR1+MS
19200.000	90.000	359.796	10230.000	77.056	0.000	81.500	0.000	77.056	0.000	0.000	81.688	42.296	4.342	XOM_R2OWSG MWD+IFR1+MS
19300.000	90.000	359.796	10230.000	77.822	0.000	82.285	0.000	77.822	0.000	0.000	82.473	42.342	4.302	XOM_R2OWSG MWD+IFR1+MS
19400.000	90.000	359.796	10230.000	78.587	0.000	83.071	0.000	78.587	0.000	0.000	83.259	42.390	4.263	XOM_R2OWSG MWD+IFR1+MS

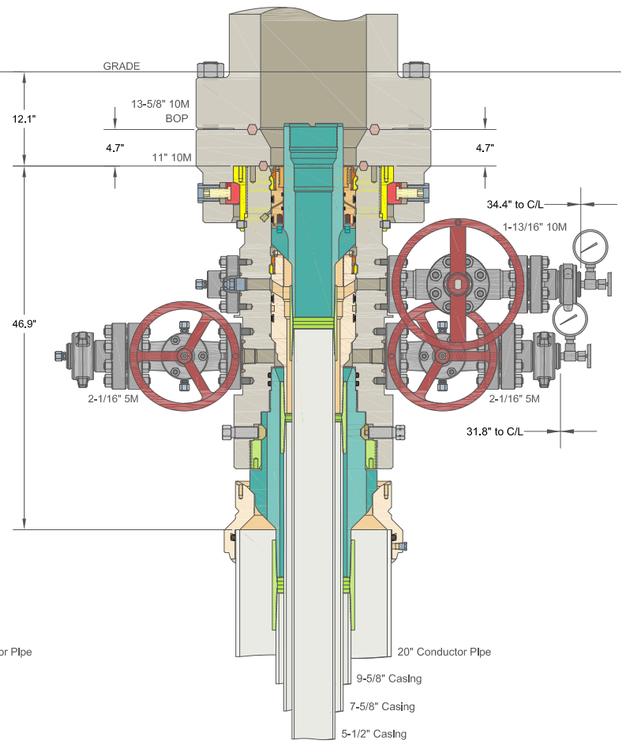
19500.000	90.000	359.796	10230.000	79.353	0.000	83.860	0.000	79.353	0.000	0.000	84.047	42.437	4.224	XOM_R2OWSG MWD+IFR1+MS
19600.000	90.000	359.796	10230.000	80.120	0.000	84.650	0.000	80.120	0.000	0.000	84.836	42.486	4.186	XOM_R2OWSG MWD+IFR1+MS
19700.000	90.000	359.796	10230.000	80.887	0.000	85.442	0.000	80.887	0.000	0.000	85.628	42.535	4.148	XOM_R2OWSG MWD+IFR1+MS
19800.000	90.000	359.796	10230.000	81.654	0.000	86.235	0.000	81.654	0.000	0.000	86.421	42.584	4.111	XOM_R2OWSG MWD+IFR1+MS
19900.000	90.000	359.796	10230.000	82.421	0.000	87.031	0.000	82.421	0.000	0.000	87.216	42.635	4.074	XOM_R2OWSG MWD+IFR1+MS
20000.000	90.000	359.796	10230.000	83.189	0.000	87.828	0.000	83.189	0.000	0.000	88.012	42.685	4.039	XOM_R2OWSG MWD+IFR1+MS
20100.000	90.000	359.796	10230.000	83.957	0.000	88.626	0.000	83.957	0.000	0.000	88.810	42.736	4.003	XOM_R2OWSG MWD+IFR1+MS
20200.000	90.000	359.796	10230.000	84.726	0.000	89.426	0.000	84.726	0.000	0.000	89.610	42.788	3.968	XOM_R2OWSG MWD+IFR1+MS
20300.000	90.000	359.796	10230.000	85.494	0.000	90.228	0.000	85.494	0.000	0.000	90.411	42.841	3.934	XOM_R2OWSG MWD+IFR1+MS
20400.000	90.000	359.796	10230.000	86.263	0.000	91.031	0.000	86.263	0.000	0.000	91.213	42.894	3.901	XOM_R2OWSG MWD+IFR1+MS
20500.000	90.000	359.796	10230.000	87.033	0.000	91.836	0.000	87.033	0.000	0.000	92.017	42.947	3.867	XOM_R2OWSG MWD+IFR1+MS
20600.000	90.000	359.796	10230.000	87.802	0.000	92.641	0.000	87.802	0.000	0.000	92.822	43.001	3.835	XOM_R2OWSG MWD+IFR1+MS
20700.000	90.000	359.796	10230.000	88.572	0.000	93.449	0.000	88.572	0.000	0.000	93.629	43.056	3.803	XOM_R2OWSG MWD+IFR1+MS
20800.000	90.000	359.796	10230.000	89.342	0.000	94.257	0.000	89.342	0.000	0.000	94.437	43.111	3.771	XOM_R2OWSG MWD+IFR1+MS
20900.000	90.000	359.796	10230.000	90.112	0.000	95.067	0.000	90.112	0.000	0.000	95.246	43.166	3.740	XOM_R2OWSG MWD+IFR1+MS
21000.000	90.000	359.796	10230.000	90.883	0.000	95.878	0.000	90.883	0.000	0.000	96.057	43.222	3.709	XOM_R2OWSG MWD+IFR1+MS
21100.000	90.000	359.796	10230.000	91.654	0.000	96.690	0.000	91.654	0.000	0.000	96.868	43.279	3.679	XOM_R2OWSG MWD+IFR1+MS
21200.000	90.000	359.796	10230.000	92.425	0.000	97.504	0.000	92.425	0.000	0.000	97.681	43.336	3.649	XOM_R2OWSG MWD+IFR1+MS
21300.000	90.000	359.796	10230.000	93.196	0.000	98.319	0.000	93.196	0.000	0.000	98.495	43.394	3.619	XOM_R2OWSG MWD+IFR1+MS
21379.230	90.000	359.796	10230.000	93.807	0.000	98.964	0.000	93.807	0.000	0.000	99.140	43.440	3.596	XOM_R2OWSG MWD+IFR1+MS

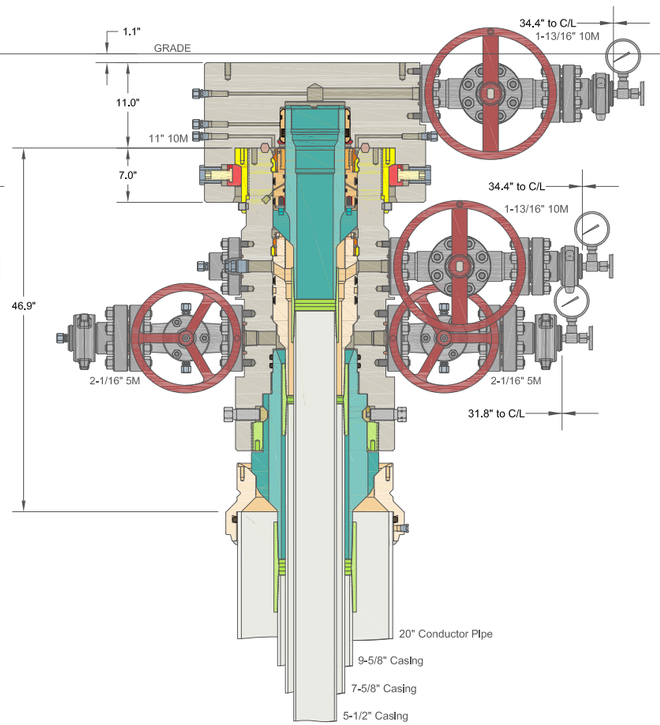
21400.000	90.000	359.796	10230.000	93.968	0.000	99.133	0.000	93.968	0.000	0.000	99.309	43.452	3.590	XOM_R2OWSG MWD+IFR1+MS
21429.240	90.000	359.796	10230.000	94.193	0.000	99.372	0.000	94.193	0.000	0.000	99.547	43.469	3.582	XOM_R2OWSG MWD+IFR1+MS

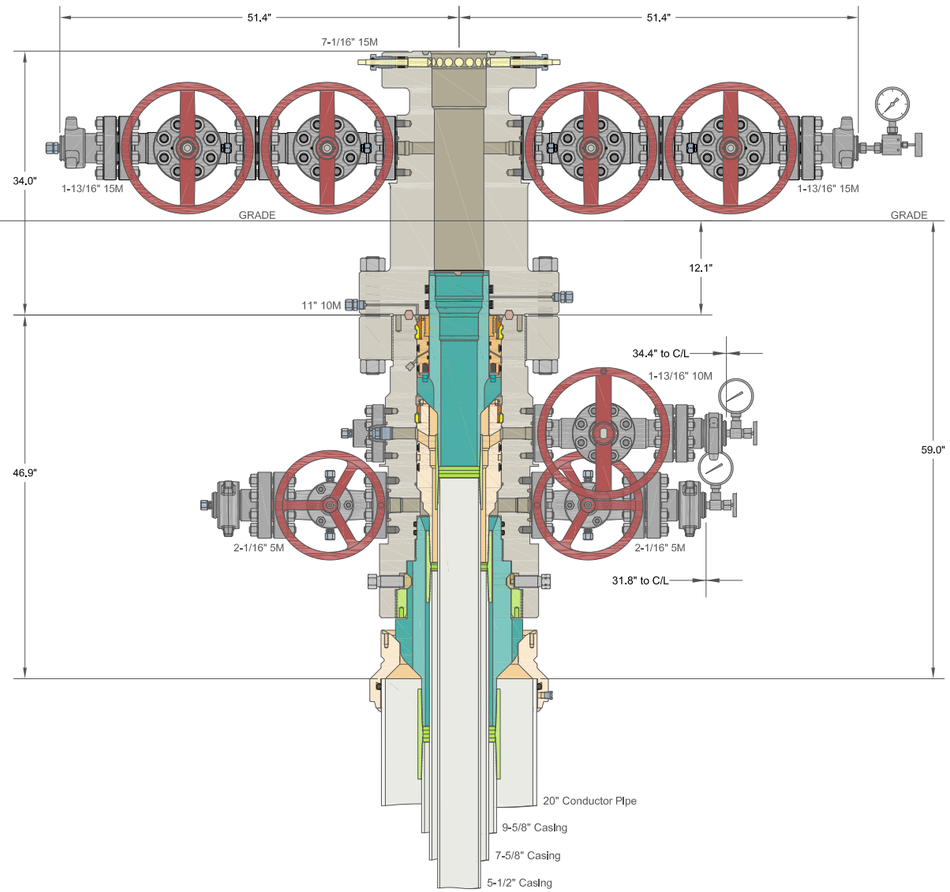
Plan Targets Corral 17-8 Fed Com 126H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
126H BHL	21429.23	419054.30	603169.40	7217.00	CIRCLE
126H LTP	21379.22	419004.30	603169.50	7217.00	CIRCLE
126H FTP	11199.98	408825.20	603205.60	7217.00	CIRCLE









ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

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

DRAWN	VJK	31MAR22
APPRV		

DRAWING NO. HBE0000479

Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE)

XTO Energy requests a variance to ONLY test broken pressure seals on the BOPE and function test BOP when skidding a drilling rig between multiple wells on a pad.

Background

Onshore Oil and Gas Order CFR Title 43 Part 3170, Drilling Operations, Sections III.A.2.i.iv.B states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. CFR Title 43 Part 3170 states, "Some situation may exist either on a well-by- well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this order. This situation can be resolved by requesting a variance…". XTO Energy feels the break testing the BOPE is such a situation. Therefore, as per CFR Title 43 Part 3170, XTO Energy submits this request for the variance.

Supporting Documentation

CFR Title 43 Part 3170 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time there have been significant changes in drilling technology. BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since CFR Title 43 Part 3170 was originally released. The XTO Energy drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

Figure 1: Winch System attached to BOP Stack

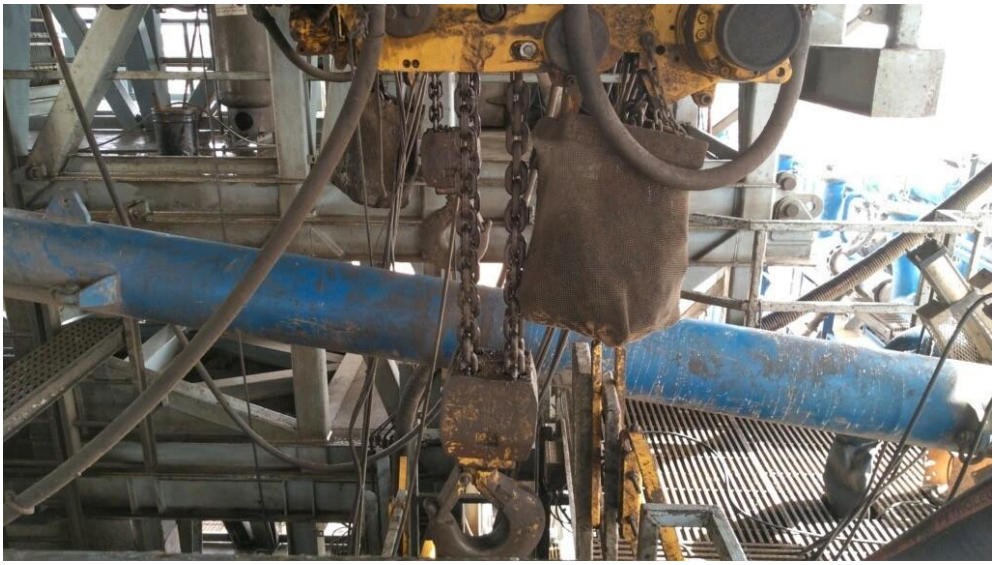


Figure 2: BOP Winch System

American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. CFR Title 43 Part 3170recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

62 API STANDARD 53

Table C.4—Initial Pressure Testing, Surface BOP Stacks

Component to be Pressure Tested	Pressure Test—Low Pressure[ac] psig (MPa)	Pressure Test—High Pressure[ac]	
		Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket
Annular preventer[b]	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.
Fixed pipe, variable bore, blind, and BSR preventers[bd]	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP
Choke manifold—upstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP
Choke manifold—downstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or MASP for the well program, whichever is lower	
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program	

[a] Pressure test evaluation periods shall be a minimum of five minutes.
No visible leaks.
The pressure shall remain stable during the evaluation period. The pressure shall not decrease below the intended test pressure.

[b] Annular(s) and VBR(s) shall be pressure tested on the largest and smallest OD drill pipe to be used in well program.

[c] For pad drilling operations, moving from one wellhead to another within the 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

[d] For surface offshore operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented during the initial test. For land operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented at commissioning and annually.

[e] Adjustable chokes are not required to be full sealing devices. Pressure testing against a closed choke is not required.

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specification and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations.

Break testing has been approved by the BLM in the past with other operators based on the detailed information provided in this document.

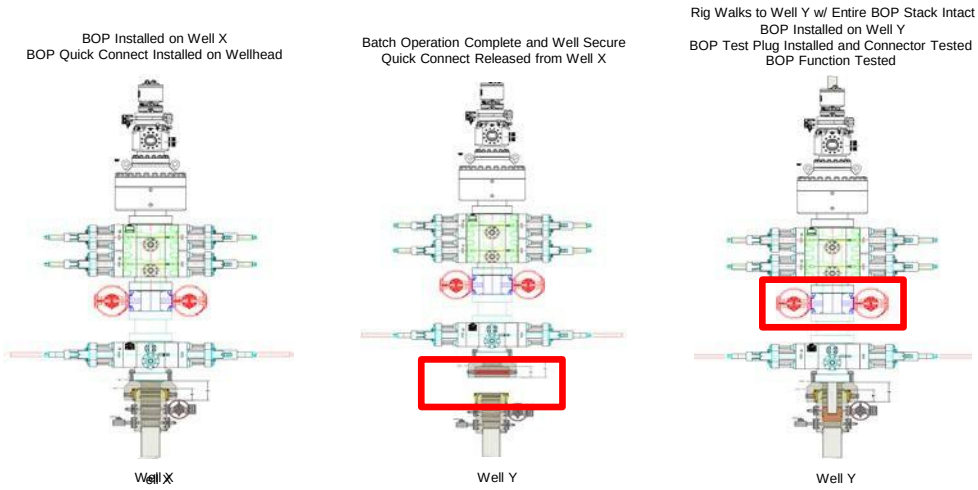
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

1. XTO Energy will use this document for our break testing plan for New Mexico Delaware basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
2. XTO Energy will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
    a. A full BOP test will be conducted on the first well on the pad.
    b. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.
        i. Our Lower WC targets set the intermediate casing shoe no deeper than the Wolfcamp B.
        ii. Our Upper WC targets set the intermediate casing shoe shallower than the Wolfcamp B.
    c. A Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
    d. A full BOP test will be required prior to drilling any production hole.
3. After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
    a. Between the HCV valve and choke line connection
    b. Between the BOP quick connect and the wellhead
4. The BOP is then lifted and removed from the wellhead by a hydraulic system.
5. After skidding to the next well, the BOP is moved to the wellhead by the same hydraulic system and installed.
6. The connections mentioned in 3a and 3b will then be reconnected.
7. Install test plug into the wellhead using test joint or drill pipe.
8. A shell test is performed against the upper pipe rams testing the two breaks.
9. The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
10. Function test will be performed on the following components: lower pipe rams, blind rams, and annular.

11. For a multi-well pad the same two breaks on the BOP would be made and on the next wells and steps 4 through 10 would be repeated.
12. A second break test would only be done if the intermediate hole section being drilled could not be completed within the 21 day BOP test window.

Note: Picture below highlights BOP components that will be tested during batch operations



Summary

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.

The BOP will be secured by a hydraulic carrier or cradle. The BLM will be contacted if a Well Control event occurs prior to the commencement of a BOPE Break Testing operation.

Based on discussions with the BLM on February 27th 2020 and the supporting documentation submitted to the BLM, 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. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.

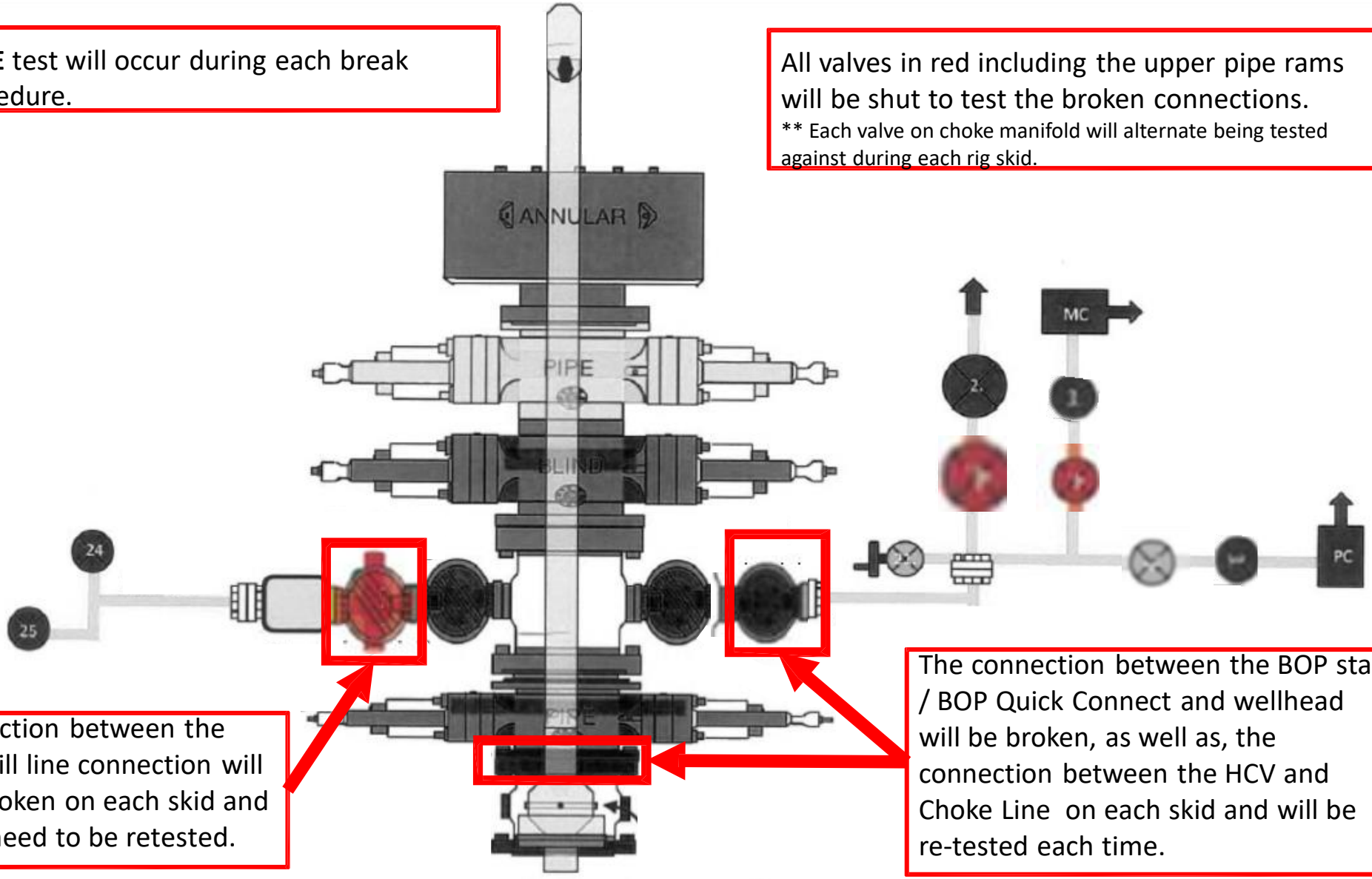
3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

4. Full BOP test will be required prior to drilling the production hole.

Only **ONE** test will occur during each break test procedure.

All valves in red including the upper pipe rams will be shut to test the broken connections.

** Each valve on choke manifold will alternate being tested against during each rig skid.



The connection between the HCV and kill line connection will **NOT** be broken on each skid and does not need to be retested.

The connection between the BOP stack / BOP Quick Connect and wellhead will be broken, as well as, the connection between the HCV and Choke Line on each skid and will be re-tested each time.

10,000 PSI Annular BOP Variance Request

XTO Energy/XTO Permian Op. request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOPL).

1. Component and Preventer Compatibility Tables

The tables below outline the tubulars and the compatible preventers in use. This table, combined with the drilling fluid, documents that two barriers to flow will be maintained at all times.

8-1/2" Production Hole Section 10M psi Requirement					
Component	**OD**	**Primary Preventer**	**RWP**	**Alternate Preventer(s)**	**RWP**
Drillpipe	5.000" or 4.500"	Annular	5M	Upper 3.5"-5.5" VBR Lower 3.5"-5.5" VBR	10M 10M
HWDP	5.000" or 4.500"	Annular	5M	Upper 3.5"-5.5" VBR Lower 3.5"-5.5" VBR	10M 10M
Jars	6.500"	Annular	5M	-	-
DCs and MWD tools	6.500"-8.000"	Annular	5M	-	-
Mud Motor	6.750"-8.000"	Annular	5M	-	-
Production Casing	5-1/2"	Annular	5M	-	-
Open-Hole	-	Blind Rams	10M	-	-

2. Well Control Procedures

Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. At least one well control drill will be performed weekly per crew to demonstrate compliance with the procedure and well control plan. The well control drill will be recorded in the daily drilling log. The type of drill will be determined by the ongoing operations, but reasonable attempts will be made to vary the type of drill conducted (pit, trip, open hole, choke, etc.). This well control plan will be available for review by rig personnel in the XTO Energy/Permian Operating drilling supervisor's office on location and on the rig floor. All BOP equipment will be tested as per Onshore O&G Order No. 2 with the exception of the 5000 psi annular which will be tested to 70% of its RWP.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan

9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full-opening safety valve & close
3. Space out drill string
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Running Production Casing

1. Sound alarm (alert crew)
2. Stab crossover and full-opening safety valve and close
3. Space out string
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams (HCR & choke will already be in the closed position)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
    a. SICP
    b. Pit gain
    c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA Through Stack

1. PRIOR to pulling last joint of drillpipe through stack:
    a. Perform flow check. If flowing, continue to (b).
    b. Sound alarm (alert crew)
    c. Stab full-opening safety valve and close
    d. Space out drill string with tool joint just beneath the upper variable bore rams
    e. Shut-in using upper variable bore rams (HCR & choke will already be in the closed position)
    f. Confirm shut-in
    g. Notify toolpusher/company representative
    h. Read and record the following:
        i. SIDPP & SICP
        ii. Pit gain
        iii. Time
    i. Regroup and identify forward plan
2. With BHA in the stack and compatible ram preventer and pipe combination immediately available:
    a. Sound alarm (alert crew)
    b. Stab crossover and full-opening safety valve and close
    c. Space out drill string with upset just beneath the upper variable bore rams
    d. Shut-in using upper variable bore rams (HCR & choke will already be in the closed position)
    e. Confirm shut-in
    f. Notify toolpusher/company representative
    g. Read and record the following:
        i. SIDPP & SICP

ii. Pit gain
iii. Time

h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combination immediately available:
   a. Sound alarm (alert crew)
   b. If possible, pull string clear of the stack and follow "Open Hole" procedure.
   c. If impossible to pull string clear of the stack:
   d. Stab crossover, make up one joint/stand of drillpipe and full-opening safety valve and close
   e. Space out drill string with tooljoint just beneath the upper variable bore ram
   f. Shut-in using upper variable bore ram (HCR & choke will already be in the closed position)
   g. Confirm shut-in
   h. Notify toolpusher/company representative
   i. Read and record the following:
      i. SIDPP & SICP
      ii. Pit gain
      iii. Time
   j. Regroup and identify forward plan

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 362866

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 362866
	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.	7/19/2024