Well Number: 158H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM068905

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2786595

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/24/2024

Time Sundry Submitted: 08:47

Date proposed operation will begin: 05/08/2024

Procedure Description: Poker Lake Unit 23 DTD 158H SUNDRY LANGUAGE XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: SHL: 1342' FNL & 1680' FEL OF SECTION 23-T24S-R30E 1152' FNL & 1621' FEL OF SECTION 23-T24S-R30E FTP: 100' FSL & 440' FEL OF SECTION 14-T24S-R30E 100' FNL & 2096' FEL OF SECTION 23-T24S-R30E LTP: 330' FNL & 440' FEL OF SECTION 2-T24S-R30E 2537' FNL & 2083' FEL OF SECTION 35-T24S-R30E BHL: 200' FNL & 440' FEL OF SECTION 2-T24S-R30E 2627' FNL & 2083' FEL OF SECTION 35-T24S-R30E The proposed total depth is changing from 28329’ MD; 12360’ TVD (Purple Sage; Wolfcamp (Gas)) to 25113’ MD; 12214’ TVD (Wolfcam D). 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

PLU_23_DTD_158H_Sundry_Documents_20240424084653.pdf

NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

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: MANISH SAINA

Signed on: APR 24, 2024 08:47 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING **State:** TX

Phone: (720) 539-1673

Email address: MANISH.SAINI@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: 10/24/2024

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. NMLC068905

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X

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

8. Well Name and No. POKER LAKE 23 DTD FEDERAL COM/158H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No.

3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,

3b. Phone No. *(include area code)* (432) 683-2277

10. Field and Pool or Exploratory Area PURPLE SAGE/WOLFCAMP (GAS)

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 23/T24S/R30E/NMP

11. Country or Parish, State EDDY/NM

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.)

Poker Lake Unit 23 DTD 158H

SUNDRY LANGUAGE

XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool).

FROM: TO:
SHL: 1342' FNL & 1680' FEL OF SECTION 23-T24S-R30E 1152' FNL & 1621' FEL OF SECTION 23-T24S-R30E
FTP: 100' FSL & 440' FEL OF SECTION 14-T24S-R30E 100' FNL & 2096' FEL OF SECTION 23-T24S-R30E
LTP: 330' FNL & 440' FEL OF SECTION 2-T24S-R30E 2537' FNL & 2083' FEL OF SECTION 35-T24S-R30E
BHL: 200' FNL & 440' FEL OF SECTION 2-T24S-R30E 2627' FNL & 2083' FEL OF SECTION 35-T24S-R30E

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* MANISH SAINA / Ph: (720) 539-1673

Title Regulatory Analyst

Signature (Electronic Submission)

Date 04/24/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title Petroleum Engineer

Date 10/24/2024

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 CARLSBAD

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

The proposed total depth is changing from 28329 MD; 12360 TVD (Purple Sage; Wolfcamp (Gas)) to 25113 MD; 12214 TVD (Wolfcam D).

See attached Drilling Plan for updated cement and casing program.

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

Location of Well

0. SHL: SWNE / 1342 FNL / 1680 FEL / TWSP: 24S / RANGE: 30E / SECTION: 23 / LAT: 32.206948 / LONG: -103.848414 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 100 FSL / 440 FEL / TWSP: 24S / RANGE: 30E / SECTION: 14 / LAT: 32.210915 / LONG: -103.84439 (TVD: 12360 feet, MD: 12900 feet)

BHL: LOT 1 / 200 FNL / 440 FEL / TWSP: 24S / RANGE: 30E / SECTION: 2 / LAT: 32.253599 / LONG: -103.844368 (TVD: 12360 feet, MD: 28329 feet)

		Amended Report	☒
		As Drilled	☐

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-	98220	PURPLE SAGE; WOLFCAMP (GAS)

Property Code	Property Name	Well Number
	POKER LAKE UNIT 23 DTD	158H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,429'

Surface Owner:	Mineral Owner:
☐State ☐Fee ☐Tribal ☒Federal	☐State ☐Fee ☐Tribal ☒Federal

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	24S	30E		1,152' FNL	1,621' FEL	32.207469	-103.848220	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	35	24S	30E		2,627' FNL	2,083' FEL	32.174406	-103.849685	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1,600.00	INFILL		Y	U

Order Numbers.	Well Setbacks are under Common Ownership: ☒Yes ☐No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	24S	30E		1,152' FNL	1,621' FEL	32.207469	-103.848220	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	23	24S	30E		100' FNL	2,096' FEL	32.210359	-103.849747	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	35	24S	30E		2,537' FNL	2,083' FEL	32.174653	-103.849687	EDDY

Unitized Area or Area of Interest	Spacing Unit Type : ☒Horizontal ☐Vertical	Ground Elevation
NMNM105422429		3,429'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is vertical or directional well, 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 at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or a voluntary pooling agreement or a compulsory pooling order of heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or information) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Terra Sebastian — 10/29/2024

Signature — Date

Terra Sebastian

Printed Name

SURVEYOR CERTIFICATIONS

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

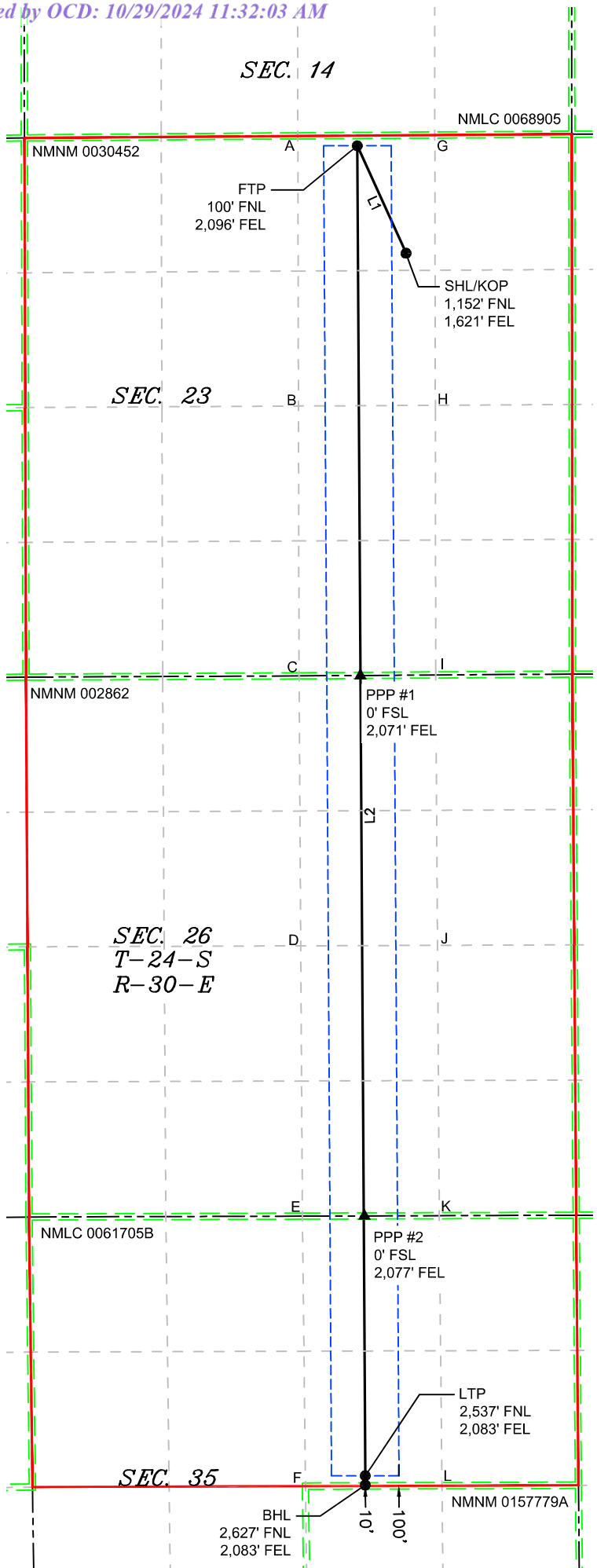
MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

MARK DILLON HARP 23786 — 10/28/2024

Certificate Number — Date of Survey

not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



LEGEND

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

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	335°33'08"	1,152.58'
L2	179°39'26"	13,079.46'

COORDINATE TABLE					
SHL (NAD 83 NME)			**SHL (NAD 27 NME)**		
Y =	439,549.9	N	Y =	439,490.9	N
X =	691,377.9	E	X =	650,194.1	E
LAT. =	32.207469	°N	LAT. =	32.207345	°N
LONG. =	103.848220	°W	LONG. =	103.847734	°W
FTP (NAD 83 NME)			**FTP (NAD 27 NME)**		
Y =	440,599.2	N	Y =	440,540.2	N
X =	690,900.9	E	X =	649,717.2	E
LAT. =	32.210359	°N	LAT. =	32.210235	°N
LONG. =	103.849747	°W	LONG. =	103.849261	°W
PPP #1 (NAD 83 NME)			**PPP #1 (NAD 27 NME)**		
Y =	435,425.4	N	Y =	435,366.5	N
X =	690,931.6	E	X =	649,747.7	E
LAT. =	32.196137	°N	LAT. =	32.196013	°N
LONG. =	103.849723	°W	LONG. =	103.849238	°W
PPP #2 (NAD 83 NME)			**PPP #2 (NAD 27 NME)**		
Y =	430,147.3	N	Y =	430,088.6	N
X =	690,963.0	E	X =	649,778.8	E
LAT. =	32.181628	°N	LAT. =	32.181504	°N
LONG. =	103.849699	°W	LONG. =	103.849214	°W
LTP (NAD 83 NME)			**LTP (NAD 27 NME)**		
Y =	427,610.0	N	Y =	427,551.3	N
X =	690,978.0	E	X =	649,793.8	E
LAT. =	32.174653	°N	LAT. =	32.174529	°N
LONG. =	103.849687	°W	LONG. =	103.849203	°W
BHL (NAD 83 NME)			**BHL (NAD 27 NME)**		
Y =	427,520.0	N	Y =	427,461.3	N
X =	690,979.1	E	X =	649,794.9	E
LAT. =	32.174406	°N	LAT. =	32.174282	°N
LONG. =	103.849685	°W	LONG. =	103.849200	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	440,695.8	N	A - X =	690,318.7	E
B - Y =	438,055.8	N	B - X =	690,325.0	E
C - Y =	435,421.3	N	C - X =	690,331.2	E
D - Y =	432,784.0	N	D - X =	690,347.4	E
E - Y =	430,145.2	N	E - X =	690,363.6	E
F - Y =	427,508.2	N	F - X =	690,393.8	E
G - Y =	440,703.6	N	G - X =	691,657.9	E
H - Y =	438,063.2	N	H - X =	691,663.1	E
I - Y =	435,430.3	N	I - X =	691,666.7	E
J - Y =	432,788.9	N	J - X =	691,684.1	E
K - Y =	430,149.6	N	K - X =	691,701.7	E
L - Y =	427,512.3	N	L - X =	691,727.9	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	440,636.8	N	A - X =	649,135.0	E
B - Y =	437,996.8	N	B - X =	649,141.1	E
C - Y =	435,362.4	N	C - X =	649,147.3	E
D - Y =	432,725.2	N	D - X =	649,163.4	E
E - Y =	430,086.5	N	E - X =	649,179.4	E
F - Y =	427,449.5	N	F - X =	649,209.6	E
G - Y =	440,644.6	N	G - X =	650,474.1	E

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
POKER LAKE UNIT 23 DTD 158H
Projected TD: 25113' MD / 12214' TVD
SHL: 1152' FNL & 1621' FEL , Section 23, T24S, R30E
BHL: 2627' FNL & 2083' FEL , Section 35, T24S, R30E
EDDY County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	1314'	Water
Top of Salt	1717'	Water
Base of Salt	3910'	Water
Delaware	4104'	Water
Brushy Canyon	6610'	Water/Oil/Gas
Bone Spring	7899'	Water
Avalon	8591'	Water/Oil/Gas
1st Bone Spring	8670'	Water/Oil/Gas
2nd Bone Spring	9272'	Water/Oil/Gas
3rd Bone Spring	10039'	Water/Oil/Gas
Wolfcamp	11216'	Water/Oil/Gas
Wolfcamp X	11236'	Water/Oil/Gas
Wolfcamp Y	11323'	Water/Oil/Gas
Wolfcamp A	11373'	Water/Oil/Gas
Wolfcamp B	11778'	Water/Oil/Gas
Wolfcamp C	11981'	Water/Oil/Gas
Wolfcamp D	12184'	Water/Oil/Gas
Target/Land Curve	12214'	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 @ 1414' (303' 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 11425' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 25113 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 11125 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1414'	9.625	40	J-55	BTC	New	1.46	4.45	11.14
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	1.82	2.92	1.64
8.75	4000' – 11425'	7.625	29.7	HC L-80	Flush Joint	New	1.33	2.09	1.84
6.75	0' – 11325'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.52	1.88
6.75	11325' - 25113'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.41	1.88

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

- 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.

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 1414'

Lead: 370 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 +/- 11425'
1st Stage
Optional Lead: 350 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 440 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6610
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: 740 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 (6610') 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 +/- 25113'

Lead: 20 sxs NeoCem (mixed at 13.2 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 11125 feet
Tail: 960 sxs VersaCem (mixed at 14.5 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 11625 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 5189 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 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 week.

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

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

hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. 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' - 1414'	12.25	FW/Native	8.4-8.9	35-40	NC
1414' - 11425'	8.75	FW / Cut Brine / Direct Emulsion	8.8-9.3	30-32	NC
11425' - 25113'	6.75	OBM	12.4-12.9	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 185 to 205 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 7876 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 - Poker Lake Unit 23 DTD South 158H

Measured Depth:	25112.60 ft
TVD RKB:	12214.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	439490.90 ft
Easting:	650194.10 ft
RKB:	3461.00 ft
Ground Level:	3429.00 ft
North Reference:	Grid
Convergence Angle:	0.26 Deg

Plan Sections Poker Lake Unit 23 DTD South 158H

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	
1756.59	13.13	335.56	1750.86	68.20	-31.00	2.00	0.00	2.00	
6170.29	13.13	335.56	6049.14	981.10	-445.90	0.00	0.00	0.00	
6826.89	0.00	0.00	6700.00	1049.30	-476.90	-2.00	0.00	2.00	
11624.69	0.00	0.00	11497.80	1049.30	-476.90	0.00	0.00	0.00	
12749.69	90.00	179.66	12214.00	333.12	-472.68	8.00	0.00	8.00	
25022.62	90.00	179.66	12214.00	-11939.60	-400.27	0.00	0.00	0.00	LTP 6
25112.60	90.00	179.66	12214.00	-12029.58	-399.74	0.00	0.00	0.00	BHL 6

Position Uncertainty Poker Lake Unit 23 DTD South 158H

Measured Depth	Inclination	Azimuth	TVD RKB	Highside Error	Highside Bias	Lateral Error	Lateral Bias	Vertical Error	Vertical Bias	Magnitude of Bias	Semi-major Error	Semi-minor Error	Semi-minor Azimuth	Tool 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	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
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	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
200.000	0.000	0.000	200.000	0.717	0.000	0.538	0.000	2.310	0.000	0.000	0.717	0.538	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
300.000	0.000	0.000	300.000	1.075	0.000	0.896	0.000	2.326	0.000	0.000	1.075	0.896	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
400.000	0.000	0.000	400.000	1.434	0.000	1.255	0.000	2.347	0.000	0.000	1.434	1.255	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
500.000	0.000	0.000	500.000	1.792	0.000	1.613	0.000	2.375	0.000	0.000	1.792	1.613	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
600.000	0.000	0.000	600.000	2.151	0.000	1.972	0.000	2.407	0.000	0.000	2.151	1.972	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
700.000	0.000	0.000	700.000	2.509	0.000	2.330	0.000	2.445	0.000	0.000	2.509	2.330	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.486	0.000	0.000	2.868	2.689	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
900.000	0.000	0.000	900.000	3.226	0.000	3.047	0.000	2.533	0.000	0.000	3.226	3.047	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1000.000	0.000	0.000	1000.000	3.585	0.000	3.405	0.000	2.583	0.000	0.000	3.585	3.405	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1100.000	0.000	0.000	1100.000	3.943	0.000	3.764	0.000	2.636	0.000	0.000	3.943	3.764	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1200.000	2.000	335.559	1199.980	4.269	0.000	4.152	0.000	2.692	0.000	0.000	4.301	4.121	89.939	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1300.000	4.000	335.559	1299.838	4.619	0.000	4.507	0.000	2.750	0.000	0.000	4.659	4.476	89.711	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1400.000	6.000	335.559	1399.452	4.964	0.000	4.861	0.000	2.808	0.000	0.000	5.018	4.829	89.495	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1500.000	8.000	335.559	1498.702	5.303	0.000	5.213	0.000	2.868	0.000	0.000	5.375	5.181	89.387	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1600.000	10.000	335.559	1597.465	5.635	0.000	5.565	0.000	2.928	0.000	0.000	5.732	5.532	89.470	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1700.000	12.000	335.559	1695.623	5.961	0.000	5.917	0.000	2.991	0.000	0.000	6.087	5.882	89.821	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1756.593	13.132	335.559	1750.859	6.142	0.000	6.115	0.000	3.025	0.000	0.000	6.288	6.079	89.976	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1800.000	13.132	335.559	1793.132	6.295	0.000	6.268	0.000	3.056	0.000	0.000	6.440	6.230	90.352	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
1900.000	13.132	335.559	1890.516	6.649	0.000	6.621	0.000	3.137	0.000	0.000	6.789	6.580	91.819	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2000.000	13.132	335.559	1987.901	7.005	0.000	6.977	0.000	3.222	0.000	0.000	7.139	6.931	93.335	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2100.000	13.132	335.559	2085.286	7.361	0.000	7.333	0.000	3.310	0.000	0.000	7.491	7.283	94.893	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2200.000	13.132	335.559	2182.671	7.719	0.000	7.691	0.000	3.401	0.000	0.000	7.844	7.636	96.486	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2300.000	13.132	335.559	2280.056	8.077	0.000	8.050	0.000	3.495	0.000	0.000	8.198	7.989	98.104	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2400.000	13.132	335.559	2377.441	8.435	0.000	8.410	0.000	3.591	0.000	0.000	8.553	8.343	99.737	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2500.000	13.132	335.559	2474.826	8.794	0.000	8.771	0.000	3.690	0.000	0.000	8.909	8.698	101.374	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2600.000	13.132	335.559	2572.211	9.154	0.000	9.132	0.000	3.790	0.000	0.000	9.266	9.052	103.004	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2700.000	13.132	335.559	2669.596	9.514	0.000	9.494	0.000	3.893	0.000	0.000	9.624	9.407	104.618	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2800.000	13.132	335.559	2766.981	9.875	0.000	9.856	0.000	3.998	0.000	0.000	9.982	9.763	106.204	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
2900.000	13.132	335.559	2864.366	10.235	0.000	10.220	0.000	4.105	0.000	0.000	10.342	10.118	107.754	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3000.000	13.132	335.559	2961.751	10.596	0.000	10.583	0.000	4.214	0.000	0.000	10.702	10.473	109.260	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3100.000	13.132	335.559	3059.136	10.958	0.000	10.947	0.000	4.324	0.000	0.000	11.062	10.829	110.716	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

3200.000	13.132	335.559	3156.521	11.319	0.000	11.311	0.000	4.436	0.000	0.000	11.424	11.185	112.118	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3300.000	13.132	335.559	3253.906	11.681	0.000	11.676	0.000	4.550	0.000	0.000	11.785	11.540	113.461	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3400.000	13.132	335.559	3351.291	12.043	0.000	12.041	0.000	4.665	0.000	0.000	12.148	11.896	114.743	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3500.000	13.132	335.559	3448.676	12.405	0.000	12.406	0.000	4.782	0.000	0.000	12.510	12.252	115.964	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3600.000	13.132	335.559	3546.061	12.768	0.000	12.771	0.000	4.900	0.000	0.000	12.874	12.607	117.123	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3700.000	13.132	335.559	3643.446	13.130	0.000	13.137	0.000	5.020	0.000	0.000	13.237	12.963	118.222	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3800.000	13.132	335.559	3740.831	13.493	0.000	13.503	0.000	5.142	0.000	0.000	13.601	13.319	119.262	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
3900.000	13.132	335.559	3838.216	13.856	0.000	13.869	0.000	5.265	0.000	0.000	13.966	13.674	120.245	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4000.000	13.132	335.559	3935.601	14.219	0.000	14.235	0.000	5.389	0.000	0.000	14.330	14.030	121.173	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4100.000	13.132	335.559	4032.986	14.582	0.000	14.602	0.000	5.515	0.000	0.000	14.695	14.386	122.048	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4200.000	13.132	335.559	4130.371	14.945	0.000	14.968	0.000	5.643	0.000	0.000	15.061	14.741	122.874	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4300.000	13.132	335.559	4227.756	15.308	0.000	15.335	0.000	5.772	0.000	0.000	15.426	15.097	123.653	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4400.000	13.132	335.559	4325.141	15.672	0.000	15.702	0.000	5.902	0.000	0.000	15.792	15.453	124.388	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4500.000	13.132	335.559	4422.526	16.035	0.000	16.069	0.000	6.034	0.000	0.000	16.158	15.809	125.081	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4600.000	13.132	335.559	4519.911	16.399	0.000	16.436	0.000	6.168	0.000	0.000	16.524	16.164	125.736	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4700.000	13.132	335.559	4617.296	16.762	0.000	16.803	0.000	6.303	0.000	0.000	16.891	16.520	126.353	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4800.000	13.132	335.559	4714.681	17.126	0.000	17.170	0.000	6.440	0.000	0.000	17.257	16.876	126.937	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
4900.000	13.132	335.559	4812.066	17.490	0.000	17.538	0.000	6.578	0.000	0.000	17.624	17.232	127.488	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5000.000	13.132	335.559	4909.451	17.853	0.000	17.905	0.000	6.718	0.000	0.000	17.991	17.588	128.009	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5100.000	13.132	335.559	5006.836	18.217	0.000	18.273	0.000	6.859	0.000	0.000	18.358	17.944	128.503	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5200.000	13.132	335.559	5104.221	18.581	0.000	18.641	0.000	7.003	0.000	0.000	18.725	18.300	128.970	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5300.000	13.132	335.559	5201.606	18.945	0.000	19.008	0.000	7.147	0.000	0.000	19.092	18.656	129.413	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5400.000	13.132	335.559	5298.991	19.309	0.000	19.376	0.000	7.294	0.000	0.000	19.460	19.012	129.833	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5500.000	13.132	335.559	5396.376	19.673	0.000	19.744	0.000	7.442	0.000	0.000	19.827	19.368	130.231	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5600.000	13.132	335.559	5493.761	20.037	0.000	20.112	0.000	7.592	0.000	0.000	20.195	19.724	130.609	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5700.000	13.132	335.559	5591.146	20.401	0.000	20.480	0.000	7.744	0.000	0.000	20.563	20.080	130.969	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5800.000	13.132	335.559	5688.531	20.766	0.000	20.848	0.000	7.897	0.000	0.000	20.930	20.436	131.311	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
5900.000	13.132	335.559	5785.916	21.130	0.000	21.216	0.000	8.052	0.000	0.000	21.298	20.792	131.636	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6000.000	13.132	335.559	5883.301	21.494	0.000	21.584	0.000	8.209	0.000	0.000	21.666	21.148	131.946	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6100.000	13.132	335.559	5980.686	21.858	0.000	21.952	0.000	8.368	0.000	0.000	22.034	21.505	132.241	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6170.293	13.132	335.559	6049.141	22.114	0.000	22.211	0.000	8.481	0.000	0.000	22.293	21.755	132.435	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6200.000	12.538	335.559	6078.105	22.232	0.000	22.320	0.000	8.529	0.000	0.000	22.402	21.861	132.516	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6300.000	10.538	335.559	6176.079	22.612	0.000	22.686	0.000	8.691	0.000	0.000	22.768	22.217	132.710	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6400.000	8.538	335.559	6274.692	22.966	0.000	23.047	0.000	8.850	0.000	0.000	23.130	22.573	132.779	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

6500.000	6.538	335.559	6373.823	23.294	0.000	23.405	0.000	9.006	0.000	0.000	23.488	22.928	132.730	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6600.000	4.538	335.559	6473.351	23.593	0.000	23.758	0.000	9.157	0.000	0.000	23.843	23.283	132.585	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6700.000	2.538	335.559	6573.156	23.865	0.000	24.107	0.000	9.306	0.000	0.000	24.192	23.636	132.365	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6800.000	0.538	335.559	6673.115	24.108	0.000	24.451	0.000	9.450	0.000	0.000	24.538	23.986	132.090	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6826.886	0.000	0.000	6700.000	24.385	0.000	24.327	0.000	9.489	0.000	0.000	24.630	24.079	132.005	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
6900.000	0.000	0.000	6773.114	24.639	0.000	24.577	0.000	9.593	0.000	0.000	24.881	24.332	131.765	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7000.000	0.000	0.000	6873.114	24.987	0.000	24.919	0.000	9.738	0.000	0.000	25.225	24.679	131.441	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7100.000	0.000	0.000	6973.114	25.335	0.000	25.262	0.000	9.886	0.000	0.000	25.569	25.025	131.123	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7200.000	0.000	0.000	7073.114	25.684	0.000	25.605	0.000	10.037	0.000	0.000	25.914	25.372	130.812	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7300.000	0.000	0.000	7173.114	26.033	0.000	25.948	0.000	10.190	0.000	0.000	26.259	25.719	130.506	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7400.000	0.000	0.000	7273.114	26.382	0.000	26.292	0.000	10.347	0.000	0.000	26.605	26.067	130.206	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7500.000	0.000	0.000	7373.114	26.731	0.000	26.637	0.000	10.506	0.000	0.000	26.950	26.415	129.911	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7600.000	0.000	0.000	7473.114	27.081	0.000	26.981	0.000	10.668	0.000	0.000	27.297	26.763	129.622	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7700.000	0.000	0.000	7573.114	27.431	0.000	27.326	0.000	10.833	0.000	0.000	27.643	27.111	129.339	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7800.000	0.000	0.000	7673.114	27.781	0.000	27.671	0.000	11.001	0.000	0.000	27.990	27.460	129.061	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
7900.000	0.000	0.000	7773.114	28.131	0.000	28.017	0.000	11.172	0.000	0.000	28.337	27.808	128.788	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8000.000	0.000	0.000	7873.114	28.481	0.000	28.363	0.000	11.346	0.000	0.000	28.685	28.157	128.521	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8100.000	0.000	0.000	7973.114	28.832	0.000	28.709	0.000	11.522	0.000	0.000	29.033	28.506	128.258	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8200.000	0.000	0.000	8073.114	29.183	0.000	29.056	0.000	11.702	0.000	0.000	29.381	28.856	128.001	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8300.000	0.000	0.000	8173.114	29.534	0.000	29.403	0.000	11.885	0.000	0.000	29.729	29.205	127.748	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8400.000	0.000	0.000	8273.114	29.885	0.000	29.750	0.000	12.071	0.000	0.000	30.078	29.555	127.500	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8500.000	0.000	0.000	8373.114	30.236	0.000	30.097	0.000	12.260	0.000	0.000	30.426	29.905	127.257	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8600.000	0.000	0.000	8473.114	30.588	0.000	30.445	0.000	12.452	0.000	0.000	30.776	30.255	127.018	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8700.000	0.000	0.000	8573.114	30.940	0.000	30.793	0.000	12.647	0.000	0.000	31.125	30.606	126.784	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8800.000	0.000	0.000	8673.114	31.292	0.000	31.141	0.000	12.845	0.000	0.000	31.474	30.956	126.554	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
8900.000	0.000	0.000	8773.114	31.644	0.000	31.489	0.000	13.046	0.000	0.000	31.824	31.307	126.329	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9000.000	0.000	0.000	8873.114	31.996	0.000	31.838	0.000	13.250	0.000	0.000	32.174	31.657	126.108	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9100.000	0.000	0.000	8973.114	32.348	0.000	32.187	0.000	13.457	0.000	0.000	32.524	32.008	125.891	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9200.000	0.000	0.000	9073.114	32.700	0.000	32.536	0.000	13.667	0.000	0.000	32.875	32.360	125.678	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9300.000	0.000	0.000	9173.114	33.053	0.000	32.885	0.000	13.881	0.000	0.000	33.225	32.711	125.468	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9400.000	0.000	0.000	9273.114	33.406	0.000	33.234	0.000	14.097	0.000	0.000	33.576	33.062	125.263	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9500.000	0.000	0.000	9373.114	33.758	0.000	33.584	0.000	14.317	0.000	0.000	33.927	33.414	125.062	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9600.000	0.000	0.000	9473.114	34.111	0.000	33.934	0.000	14.540	0.000	0.000	34.278	33.765	124.864	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9700.000	0.000	0.000	9573.114	34.464	0.000	34.284	0.000	14.766	0.000	0.000	34.629	34.117	124.670	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

9800.000	0.000	0.000	9673.114	34.817	0.000	34.634	0.000	14.995	0.000	0.000	34.980	34.469	124.479	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
9900.000	0.000	0.000	9773.114	35.171	0.000	34.984	0.000	15.227	0.000	0.000	35.332	34.821	124.291	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10000.000	0.000	0.000	9873.114	35.524	0.000	35.335	0.000	15.462	0.000	0.000	35.684	35.173	124.108	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10100.000	0.000	0.000	9973.114	35.877	0.000	35.685	0.000	15.700	0.000	0.000	36.036	35.526	123.927	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10200.000	0.000	0.000	10073.114	36.231	0.000	36.036	0.000	15.942	0.000	0.000	36.388	35.878	123.749	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10300.000	0.000	0.000	10173.114	36.585	0.000	36.387	0.000	16.187	0.000	0.000	36.740	36.231	123.575	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10400.000	0.000	0.000	10273.114	36.938	0.000	36.738	0.000	16.434	0.000	0.000	37.092	36.583	123.404	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10500.000	0.000	0.000	10373.114	37.292	0.000	37.089	0.000	16.685	0.000	0.000	37.444	36.936	123.236	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10600.000	0.000	0.000	10473.114	37.646	0.000	37.441	0.000	16.940	0.000	0.000	37.797	37.289	123.071	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10700.000	0.000	0.000	10573.114	38.000	0.000	37.792	0.000	17.197	0.000	0.000	38.149	37.642	122.908	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10800.000	0.000	0.000	10673.114	38.354	0.000	38.144	0.000	17.457	0.000	0.000	38.502	37.995	122.749	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
10900.000	0.000	0.000	10773.114	38.708	0.000	38.496	0.000	17.721	0.000	0.000	38.855	38.348	122.592	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11000.000	0.000	0.000	10873.114	39.063	0.000	38.847	0.000	17.988	0.000	0.000	39.208	38.701	122.438	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11100.000	0.000	0.000	10973.114	39.417	0.000	39.199	0.000	18.258	0.000	0.000	39.561	39.054	122.286	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11200.000	0.000	0.000	11073.114	39.771	0.000	39.552	0.000	18.531	0.000	0.000	39.914	39.408	122.137	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11300.000	0.000	0.000	11173.114	40.126	0.000	39.904	0.000	18.807	0.000	0.000	40.267	39.761	121.991	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11400.000	0.000	0.000	11273.114	40.480	0.000	40.256	0.000	19.086	0.000	0.000	40.621	40.115	121.847	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11500.000	0.000	0.000	11373.114	40.835	0.000	40.609	0.000	19.369	0.000	0.000	40.974	40.468	121.705	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11600.000	0.000	0.000	11473.114	41.190	0.000	40.961	0.000	19.655	0.000	0.000	41.328	40.822	121.566	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11624.686	0.000	0.000	11497.800	41.277	0.000	41.048	0.000	19.726	0.000	0.000	41.415	40.909	121.532	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11700.000	6.025	179.662	11572.975	41.013	0.000	41.304	-0.000	19.940	0.000	0.000	41.666	41.161	121.684	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11800.000	14.025	179.662	11671.369	40.103	0.000	41.616	-0.000	20.212	0.000	0.000	41.970	41.469	122.408	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
11900.000	22.025	179.662	11766.383	38.605	0.000	41.914	-0.000	20.465	0.000	0.000	42.253	41.758	123.672	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12000.000	30.025	179.662	11856.171	36.581	0.000	42.192	-0.000	20.694	0.000	0.000	42.509	42.022	125.740	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12100.000	38.025	179.662	11938.983	34.119	0.000	42.446	-0.000	20.897	0.000	0.000	42.735	42.255	128.790	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12200.000	46.025	179.662	12013.207	31.348	0.000	42.676	-0.000	21.073	0.000	0.000	42.928	42.452	132.864	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12300.000	54.025	179.662	12077.400	28.445	0.000	42.877	-0.000	21.225	0.000	0.000	43.092	42.609	-42.261	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12400.000	62.025	179.662	12130.312	25.653	0.000	43.049	-0.000	21.354	0.000	0.000	43.228	42.726	-37.117	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12500.000	70.025	179.662	12170.913	23.297	0.000	43.190	-0.000	21.465	0.000	0.000	43.340	42.803	-32.368	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12600.000	78.025	179.662	12198.412	21.761	0.000	43.298	-0.000	21.560	0.000	0.000	43.426	42.848	-28.515	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12700.000	86.025	179.662	12212.274	21.387	0.000	43.372	-0.000	21.644	0.000	0.000	43.485	42.872	-25.799	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12749.686	90.000	179.662	12213.997	21.683	0.000	43.395	-0.000	21.683	0.000	0.000	43.503	42.879	-24.957	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12800.000	90.000	179.662	12213.997	21.723	0.000	43.415	-0.000	21.723	0.000	0.000	43.518	42.885	-24.193	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
12900.000	90.000	179.662	12213.997	21.810	0.000	43.466	-0.000	21.810	0.000	0.000	43.559	42.898	-22.408	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

13000.000	90.000	179.662	12213.997	21.905	0.000	43.529	-0.000	21.905	0.000	0.000	43.611	42.911	-20.497	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13100.000	90.000	179.662	12213.997	22.010	0.000	43.602	-0.000	22.010	0.000	0.000	43.674	42.925	-18.554	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13200.000	90.000	179.662	12213.997	22.124	0.000	43.686	-0.000	22.124	0.000	0.000	43.749	42.939	-16.660	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13300.000	90.000	179.662	12213.997	22.246	0.000	43.781	-0.000	22.246	0.000	0.000	43.836	42.953	-14.874	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13400.000	90.000	179.662	12213.997	22.377	0.000	43.886	-0.000	22.377	0.000	0.000	43.934	42.966	-13.233	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13500.000	90.000	179.662	12213.997	22.516	0.000	44.003	-0.000	22.516	0.000	0.000	44.044	42.980	-11.754	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13600.000	90.000	179.662	12213.997	22.664	0.000	44.129	-0.000	22.664	0.000	0.000	44.165	42.993	-10.439	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13700.000	90.000	179.662	12213.997	22.819	0.000	44.267	-0.000	22.819	0.000	0.000	44.298	43.006	-9.280	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13800.000	90.000	179.662	12213.997	22.983	0.000	44.415	-0.000	22.983	0.000	0.000	44.441	43.019	-8.265	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
13900.000	90.000	179.662	12213.997	23.154	0.000	44.573	-0.000	23.154	0.000	0.000	44.596	43.032	-7.377	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14000.000	90.000	179.662	12213.997	23.333	0.000	44.741	-0.000	23.333	0.000	0.000	44.761	43.046	-6.603	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14100.000	90.000	179.662	12213.997	23.519	0.000	44.920	-0.000	23.519	0.000	0.000	44.937	43.059	-5.927	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14200.000	90.000	179.662	12213.997	23.713	0.000	45.108	-0.000	23.713	0.000	0.000	45.124	43.073	-5.336	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14300.000	90.000	179.662	12213.997	23.913	0.000	45.307	-0.000	23.913	0.000	0.000	45.320	43.088	-4.819	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14400.000	90.000	179.662	12213.997	24.121	0.000	45.515	-0.000	24.121	0.000	0.000	45.526	43.102	-4.364	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14500.000	90.000	179.662	12213.997	24.335	0.000	45.732	-0.000	24.335	0.000	0.000	45.743	43.118	-3.964	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14600.000	90.000	179.662	12213.997	24.556	0.000	45.960	-0.000	24.556	0.000	0.000	45.969	43.133	-3.611	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14700.000	90.000	179.662	12213.997	24.783	0.000	46.196	-0.000	24.783	0.000	0.000	46.204	43.150	-3.298	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14800.000	90.000	179.662	12213.997	25.016	0.000	46.442	-0.000	25.016	0.000	0.000	46.449	43.167	-3.021	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
14900.000	90.000	179.662	12213.997	25.256	0.000	46.696	-0.000	25.256	0.000	0.000	46.702	43.184	-2.774	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15000.000	90.000	179.662	12213.997	25.501	0.000	46.960	-0.000	25.501	0.000	0.000	46.965	43.202	-2.553	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15100.000	90.000	179.662	12213.997	25.752	0.000	47.232	-0.000	25.752	0.000	0.000	47.237	43.221	-2.355	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15200.000	90.000	179.662	12213.997	26.008	0.000	47.513	-0.000	26.008	0.000	0.000	47.517	43.240	-2.178	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15300.000	90.000	179.662	12213.997	26.270	0.000	47.802	-0.000	26.270	0.000	0.000	47.806	43.260	-2.018	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15400.000	90.000	179.662	12213.997	26.537	0.000	48.099	-0.000	26.537	0.000	0.000	48.103	43.280	-1.874	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15500.000	90.000	179.662	12213.997	26.809	0.000	48.405	-0.000	26.809	0.000	0.000	48.408	43.302	-1.744	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15600.000	90.000	179.662	12213.997	27.086	0.000	48.719	-0.000	27.086	0.000	0.000	48.721	43.323	-1.625	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15700.000	90.000	179.662	12213.997	27.367	0.000	49.040	-0.000	27.367	0.000	0.000	49.042	43.346	-1.518	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15800.000	90.000	179.662	12213.997	27.654	0.000	49.369	-0.000	27.654	0.000	0.000	49.371	43.369	-1.420	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
15900.000	90.000	179.662	12213.997	27.944	0.000	49.706	-0.000	27.944	0.000	0.000	49.708	43.393	-1.331	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16000.000	90.000	179.662	12213.997	28.239	0.000	50.050	-0.000	28.239	0.000	0.000	50.051	43.417	-1.250	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16100.000	90.000	179.662	12213.997	28.539	0.000	50.401	-0.000	28.539	0.000	0.000	50.402	43.442	-1.175	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16200.000	90.000	179.662	12213.997	28.842	0.000	50.759	-0.000	28.842	0.000	0.000	50.760	43.468	-1.106	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16300.000	90.000	179.662	12213.997	29.149	0.000	51.124	-0.000	29.149	0.000	0.000	51.125	43.494	-1.044	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

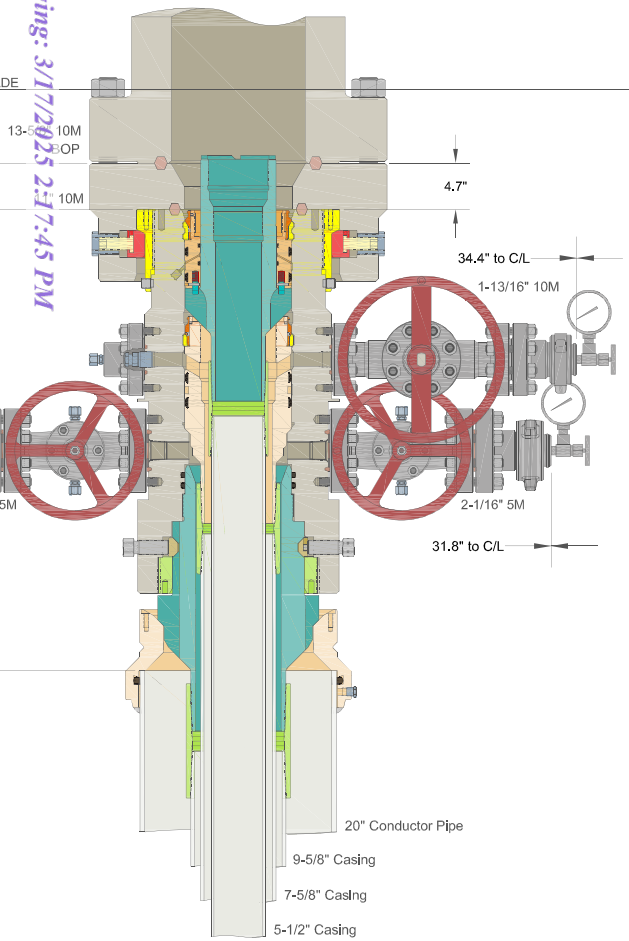
16400.000	90.000	179.662	12213.997	29.460	0.000	51.496	-0.000	29.460	0.000	0.000	51.497	43.521	-0.986	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16500.000	90.000	179.662	12213.997	29.775	0.000	51.875	-0.000	29.775	0.000	0.000	51.876	43.549	-0.932	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16600.000	90.000	179.662	12213.997	30.093	0.000	52.260	-0.000	30.093	0.000	0.000	52.261	43.578	-0.883	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16700.000	90.000	179.662	12213.997	30.415	0.000	52.651	-0.000	30.415	0.000	0.000	52.652	43.607	-0.838	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16800.000	90.000	179.662	12213.997	30.740	0.000	53.049	-0.000	30.740	0.000	0.000	53.049	43.636	-0.796	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
16900.000	90.000	179.662	12213.997	31.068	0.000	53.452	-0.000	31.068	0.000	0.000	53.453	43.667	-0.757	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17000.000	90.000	179.662	12213.997	31.399	0.000	53.862	-0.000	31.399	0.000	0.000	53.862	43.698	-0.721	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17100.000	90.000	179.662	12213.997	31.734	0.000	54.277	-0.000	31.734	0.000	0.000	54.278	43.730	-0.687	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17200.000	90.000	179.662	12213.997	32.071	0.000	54.698	-0.000	32.071	0.000	0.000	54.698	43.762	-0.656	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17300.000	90.000	179.662	12213.997	32.412	0.000	55.125	-0.000	32.412	0.000	0.000	55.125	43.795	-0.627	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17400.000	90.000	179.662	12213.997	32.755	0.000	55.557	-0.000	32.755	0.000	0.000	55.557	43.829	-0.600	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17500.000	90.000	179.662	12213.997	33.100	0.000	55.994	-0.000	33.100	0.000	0.000	55.994	43.863	-0.575	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17600.000	90.000	179.662	12213.997	33.449	0.000	56.436	-0.000	33.449	0.000	0.000	56.436	43.898	-0.551	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17700.000	90.000	179.662	12213.997	33.800	0.000	56.883	-0.000	33.800	0.000	0.000	56.884	43.934	-0.529	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17800.000	90.000	179.662	12213.997	34.153	0.000	57.336	-0.000	34.153	0.000	0.000	57.336	43.970	-0.509	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
17900.000	90.000	179.662	12213.997	34.509	0.000	57.793	-0.000	34.509	0.000	0.000	57.793	44.007	-0.489	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18000.000	90.000	179.662	12213.997	34.867	0.000	58.254	-0.000	34.867	0.000	0.000	58.255	44.045	-0.471	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18100.000	90.000	179.662	12213.997	35.227	0.000	58.721	-0.000	35.227	0.000	0.000	58.721	44.083	-0.454	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18200.000	90.000	179.662	12213.997	35.589	0.000	59.192	-0.000	35.589	0.000	0.000	59.192	44.122	-0.439	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18300.000	90.000	179.662	12213.997	35.954	0.000	59.667	-0.000	35.954	0.000	0.000	59.667	44.162	-0.424	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18400.000	90.000	179.662	12213.997	36.320	0.000	60.146	-0.000	36.320	0.000	0.000	60.146	44.202	-0.410	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18500.000	90.000	179.662	12213.997	36.689	0.000	60.630	-0.000	36.689	0.000	0.000	60.630	44.243	-0.397	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18600.000	90.000	179.662	12213.997	37.059	0.000	61.117	-0.000	37.059	0.000	0.000	61.117	44.284	-0.384	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18700.000	90.000	179.662	12213.997	37.431	0.000	61.609	-0.000	37.431	0.000	0.000	61.609	44.327	-0.373	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18800.000	90.000	179.662	12213.997	37.805	0.000	62.104	-0.000	37.805	0.000	0.000	62.104	44.369	-0.362	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
18900.000	90.000	179.662	12213.997	38.181	0.000	62.603	-0.000	38.181	0.000	0.000	62.603	44.413	-0.352	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19000.000	90.000	179.662	12213.997	38.558	0.000	63.106	-0.000	38.558	0.000	0.000	63.106	44.457	-0.342	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19100.000	90.000	179.662	12213.997	38.937	0.000	63.613	-0.000	38.937	0.000	0.000	63.613	44.502	-0.333	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19200.000	90.000	179.662	12213.997	39.318	0.000	64.123	-0.000	39.318	0.000	0.000	64.123	44.547	-0.324	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19300.000	90.000	179.662	12213.997	39.700	0.000	64.636	-0.000	39.700	0.000	0.000	64.636	44.593	-0.316	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19400.000	90.000	179.662	12213.997	40.084	0.000	65.153	-0.000	40.084	0.000	0.000	65.153	44.640	-0.309	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19500.000	90.000	179.662	12213.997	40.469	0.000	65.673	-0.000	40.469	0.000	0.000	65.673	44.687	-0.301	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19600.000	90.000	179.662	12213.997	40.856	0.000	66.196	-0.000	40.856	0.000	0.000	66.196	44.735	-0.295	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19700.000	90.000	179.662	12213.997	41.244	0.000	66.723	-0.000	41.244	0.000	0.000	66.723	44.784	-0.288	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

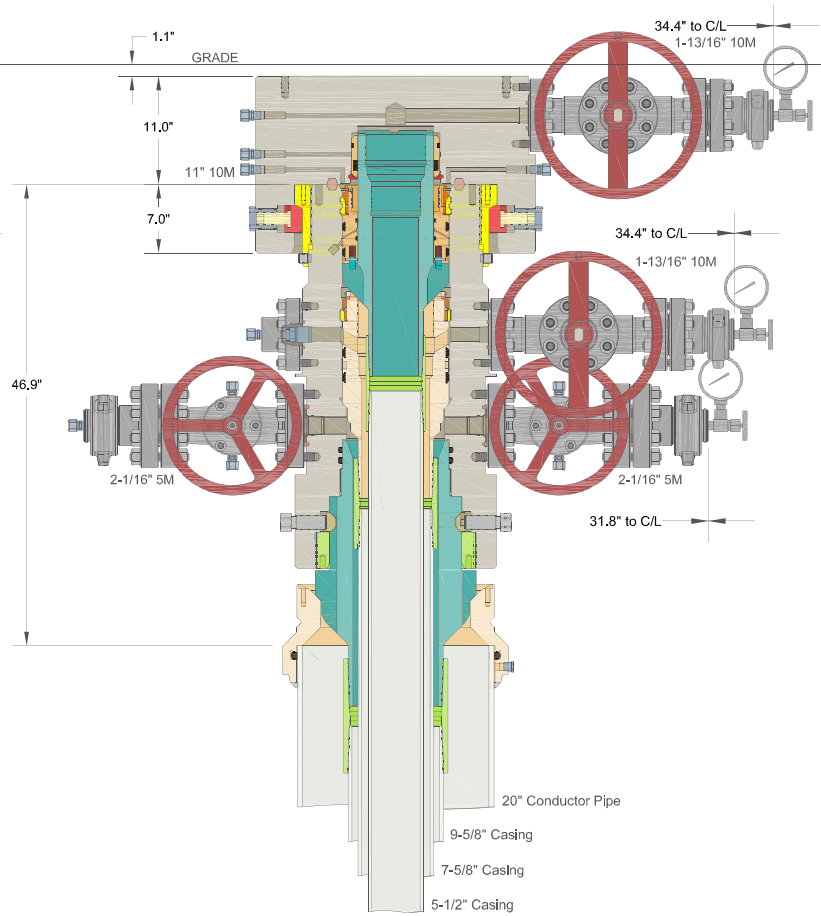
19800.000	90.000	179.662	12213.997	41.633	0.000	67.252	-0.000	41.633	0.000	0.000	67.252	44.833	-0.282	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
19900.000	90.000	179.662	12213.997	42.024	0.000	67.785	-0.000	42.024	0.000	0.000	67.785	44.883	-0.276	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20000.000	90.000	179.662	12213.997	42.416	0.000	68.320	-0.000	42.416	0.000	0.000	68.320	44.933	-0.271	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20100.000	90.000	179.662	12213.997	42.809	0.000	68.858	-0.000	42.809	0.000	0.000	68.858	44.984	-0.266	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20200.000	90.000	179.662	12213.997	43.203	0.000	69.399	-0.000	43.203	0.000	0.000	69.399	45.036	-0.261	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20300.000	90.000	179.662	12213.997	43.599	0.000	69.942	-0.000	43.599	0.000	0.000	69.942	45.088	-0.256	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20400.000	90.000	179.662	12213.997	43.995	0.000	70.489	-0.000	43.995	0.000	0.000	70.489	45.141	-0.252	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20500.000	90.000	179.662	12213.997	44.393	0.000	71.037	-0.000	44.393	0.000	0.000	71.038	45.194	-0.248	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20600.000	90.000	179.662	12213.997	44.792	0.000	71.589	-0.000	44.792	0.000	0.000	71.589	45.248	-0.244	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20700.000	90.000	179.662	12213.997	45.192	0.000	72.143	-0.000	45.192	0.000	0.000	72.143	45.303	-0.240	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20800.000	90.000	179.662	12213.997	45.593	0.000	72.699	-0.000	45.593	0.000	0.000	72.699	45.358	-0.237	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
20900.000	90.000	179.662	12213.997	45.995	0.000	73.257	-0.000	45.995	0.000	0.000	73.257	45.414	-0.234	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21000.000	90.000	179.662	12213.997	46.398	0.000	73.818	-0.000	46.398	0.000	0.000	73.818	45.471	-0.231	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21100.000	90.000	179.662	12213.997	46.802	0.000	74.381	-0.000	46.802	0.000	0.000	74.381	45.528	-0.228	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21200.000	90.000	179.662	12213.997	47.206	0.000	74.947	-0.000	47.206	0.000	0.000	74.947	45.585	-0.225	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21300.000	90.000	179.662	12213.997	47.612	0.000	75.514	-0.000	47.612	0.000	0.000	75.514	45.644	-0.222	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21400.000	90.000	179.662	12213.997	48.018	0.000	76.084	-0.000	48.018	0.000	0.000	76.084	45.703	-0.220	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21500.000	90.000	179.662	12213.997	48.426	0.000	76.655	-0.000	48.426	0.000	0.000	76.655	45.762	-0.217	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21600.000	90.000	179.662	12213.997	48.834	0.000	77.229	-0.000	48.834	0.000	0.000	77.229	45.822	-0.215	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21700.000	90.000	179.662	12213.997	49.243	0.000	77.805	-0.000	49.243	0.000	0.000	77.805	45.883	-0.213	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21800.000	90.000	179.662	12213.997	49.653	0.000	78.382	-0.000	49.653	0.000	0.000	78.382	45.944	-0.211	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
21900.000	90.000	179.662	12213.997	50.063	0.000	78.961	-0.000	50.063	0.000	0.000	78.962	46.006	-0.209	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22000.000	90.000	179.662	12213.997	50.475	0.000	79.543	-0.000	50.475	0.000	0.000	79.543	46.068	-0.207	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22100.000	90.000	179.662	12213.997	50.887	0.000	80.126	-0.000	50.887	0.000	0.000	80.126	46.131	-0.206	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22200.000	90.000	179.662	12213.997	51.300	0.000	80.710	-0.000	51.300	0.000	0.000	80.711	46.194	-0.204	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22300.000	90.000	179.662	12213.997	51.713	0.000	81.297	-0.000	51.713	0.000	0.000	81.297	46.258	-0.203	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22400.000	90.000	179.662	12213.997	52.127	0.000	81.885	-0.000	52.127	0.000	0.000	81.885	46.323	-0.201	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22500.000	90.000	179.662	12213.997	52.542	0.000	82.475	-0.000	52.542	0.000	0.000	82.475	46.388	-0.200	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22600.000	90.000	179.662	12213.997	52.957	0.000	83.066	-0.000	52.957	0.000	0.000	83.066	46.454	-0.199	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22700.000	90.000	179.662	12213.997	53.373	0.000	83.659	-0.000	53.373	0.000	0.000	83.660	46.520	-0.198	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22800.000	90.000	179.662	12213.997	53.790	0.000	84.254	-0.000	53.790	0.000	0.000	84.254	46.587	-0.197	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
22900.000	90.000	179.662	12213.997	54.208	0.000	84.850	-0.000	54.208	0.000	0.000	84.850	46.655	-0.195	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23000.000	90.000	179.662	12213.997	54.625	0.000	85.448	-0.000	54.625	0.000	0.000	85.448	46.722	-0.195	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23100.000	90.000	179.662	12213.997	55.044	0.000	86.046	-0.000	55.044	0.000	0.000	86.047	46.791	-0.194	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

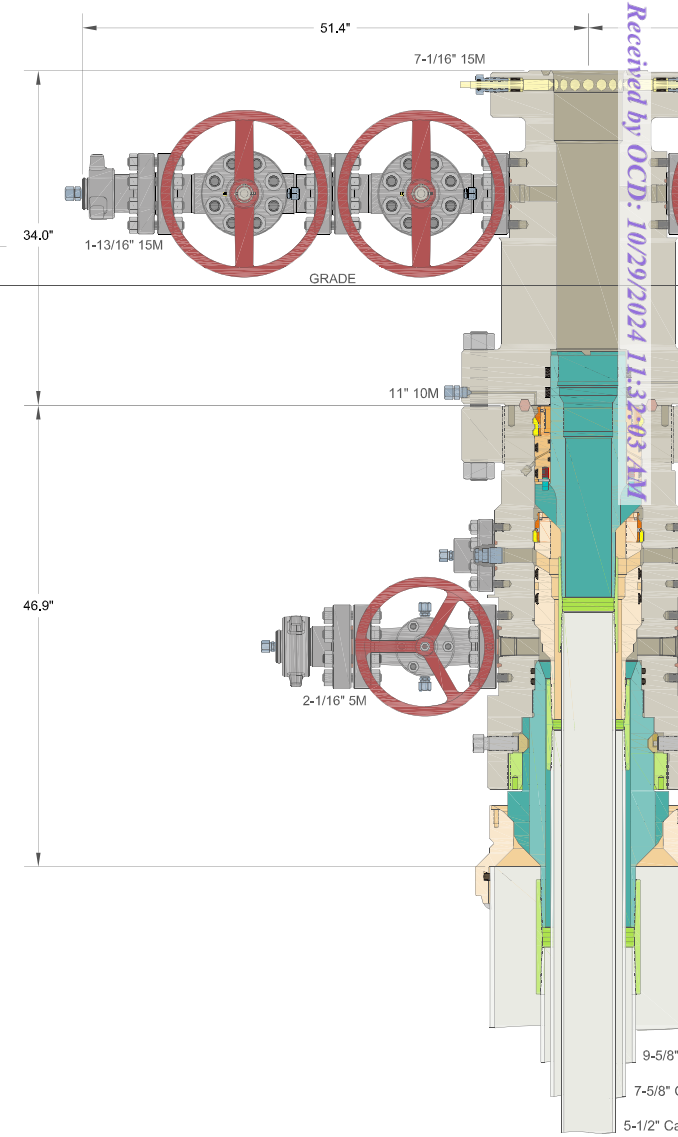
23200.000	90.000	179.662	12213.997	55.463	0.000	86.647	-0.000	55.463	0.000	0.000	86.647	46.860	-0.193	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23300.000	90.000	179.662	12213.997	55.883	0.000	87.249	-0.000	55.883	0.000	0.000	87.249	46.930	-0.192	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23400.000	90.000	179.662	12213.997	56.303	0.000	87.852	-0.000	56.303	0.000	0.000	87.852	47.000	-0.191	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23500.000	90.000	179.662	12213.997	56.723	0.000	88.456	-0.000	56.723	0.000	0.000	88.457	47.071	-0.191	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23600.000	90.000	179.662	12213.997	57.145	0.000	89.062	-0.000	57.145	0.000	0.000	89.062	47.142	-0.190	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23700.000	90.000	179.662	12213.997	57.566	0.000	89.669	-0.000	57.566	0.000	0.000	89.669	47.214	-0.189	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23800.000	90.000	179.662	12213.997	57.989	0.000	90.278	-0.000	57.989	0.000	0.000	90.278	47.286	-0.189	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
23900.000	90.000	179.662	12213.997	58.411	0.000	90.887	-0.000	58.411	0.000	0.000	90.887	47.359	-0.188	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24000.000	90.000	179.662	12213.997	58.834	0.000	91.498	-0.000	58.834	0.000	0.000	91.498	47.432	-0.188	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24100.000	90.000	179.662	12213.997	59.258	0.000	92.110	-0.000	59.258	0.000	0.000	92.110	47.506	-0.187	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24200.000	90.000	179.662	12213.997	59.682	0.000	92.723	-0.000	59.682	0.000	0.000	92.723	47.580	-0.187	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24300.000	90.000	179.662	12213.997	60.107	0.000	93.337	-0.000	60.107	0.000	0.000	93.338	47.655	-0.187	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24400.000	90.000	179.662	12213.997	60.531	0.000	93.953	-0.000	60.531	0.000	0.000	93.953	47.731	-0.186	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24500.000	90.000	179.662	12213.997	60.957	0.000	94.569	-0.000	60.957	0.000	0.000	94.569	47.807	-0.186	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24600.000	90.000	179.662	12213.997	61.383	0.000	95.187	-0.000	61.383	0.000	0.000	95.187	47.883	-0.186	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24700.000	90.000	179.662	12213.997	61.809	0.000	95.805	-0.000	61.809	0.000	0.000	95.805	47.960	-0.185	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24800.000	90.000	179.662	12213.997	62.235	0.000	96.425	-0.000	62.235	0.000	0.000	96.425	48.038	-0.185	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
24900.000	90.000	179.662	12213.997	62.662	0.000	97.045	-0.000	62.662	0.000	0.000	97.046	48.116	-0.185	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
25000.000	90.000	179.662	12213.997	63.090	0.000	97.667	-0.000	63.090	0.000	0.000	97.667	48.194	-0.185	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
25022.615	90.000	179.662	12213.997	63.186	0.000	97.807	-0.000	63.186	0.000	0.000	97.807	48.212	-0.185	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
25100.000	90.000	179.662	12213.997	63.518	0.000	98.289	-0.000	63.518	0.000	0.000	98.289	48.273	-0.185	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23
25112.598	90.000	179.662	12213.997	63.571	0.000	98.367	-0.000	63.571	0.000	0.000	98.367	48.283	-0.185	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_23

Plan Targets Poker Lake Unit 23 DTD South 158H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 6	12497.05	440540.20	649717.20	8753.00	RECTANGLE
SHL 6	13593.40	439489.40	650211.92	8684.89	RECTANGLE
LTP 6	25022.61	427551.30	649793.80	8753.00	RECTANGLE
BHL 6	25113.14	427461.30	649794.90	8753.00	RECTANGLE







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

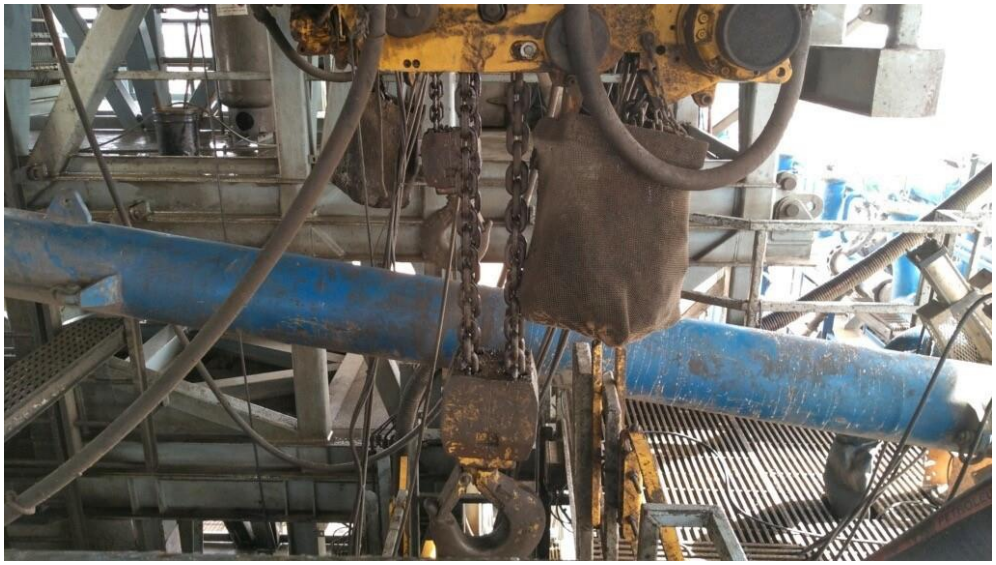


Figure 2: BOP Winch System

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.

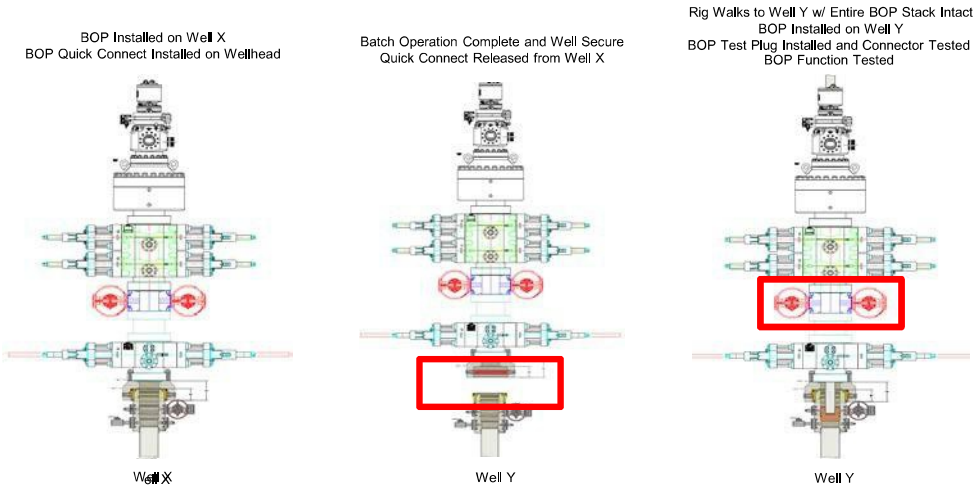
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often 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.

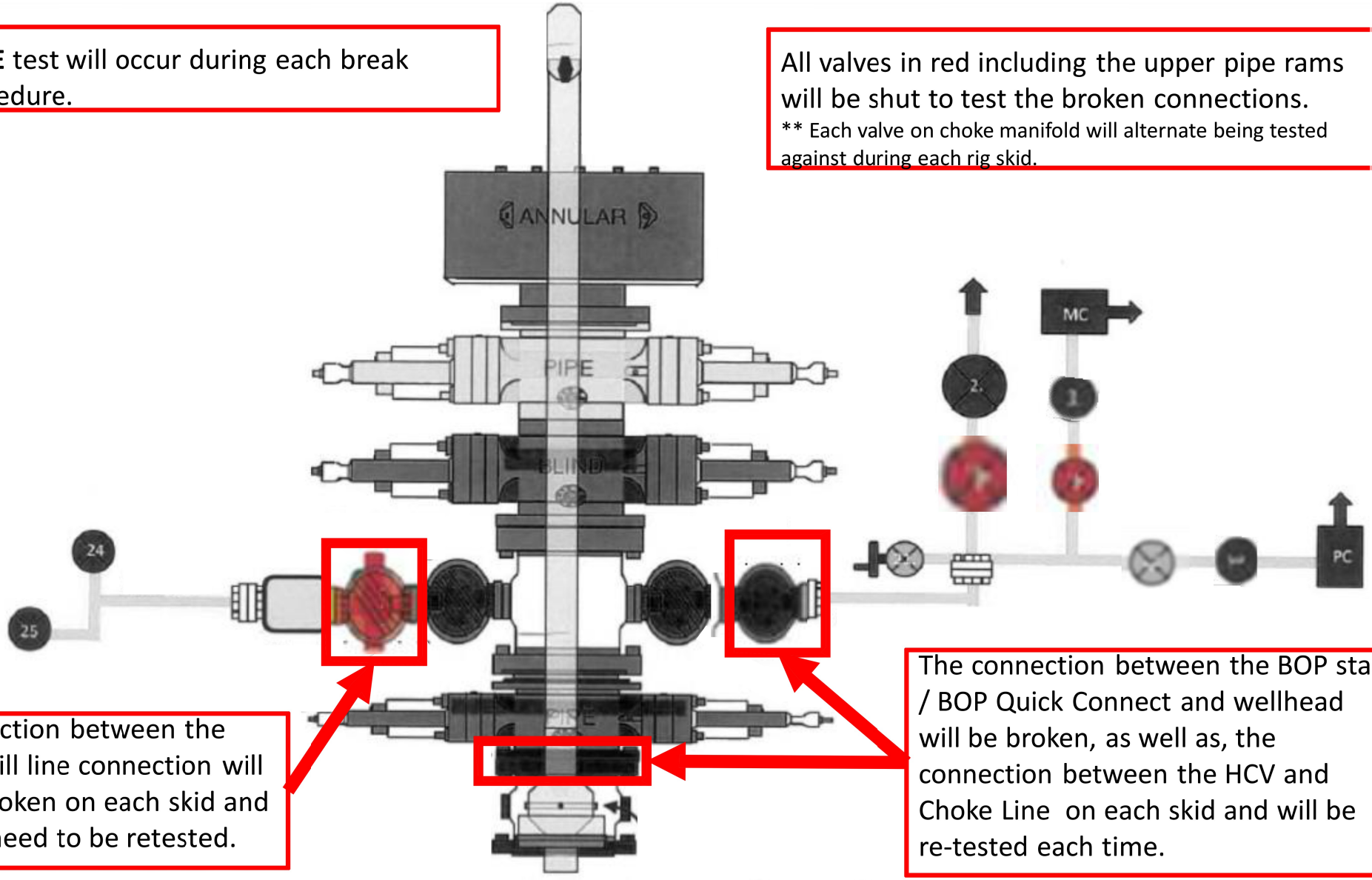
2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.

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

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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 396721

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 396721
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	3/17/2025
ward.rikala	Cement is required to circulate on both surface and production strings of casing.	3/17/2025
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	3/17/2025