

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: 2786594

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/24/2024

Time Sundry Submitted: 08:45

Date proposed operation will begin: 05/08/2024

Procedure Description: Poker Lake Unit 23 DTD 121H 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: 406' FSL & 221' FWL OF SECTION 14-T24S-R30E 556' FSL & 220' FWL OF SECTION 14-T24S-R30E FTP: 100' FSL & 550' FWL OF SECTION 14-T24S-R30E 100' FNL & 391' FWL OF SECTION 23-T24S-R30E LTP: 330' FNL & 550' FWL OF SECTION 2-T24S-R30E 2537' FNL & 391' FWL OF SECTION 35-T24S-R30E BHL: 200' FNL & 550' FWL OF SECTION 2-T24S-R30E 2627' FNL & 391' FWL OF SECTION 35-T24S-R30E The proposed total depth is changing from 27345' MD; 11445' TVD (Purple Sage; Wolfcamp (Gas)) to 24295' MD; 11444' 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

PLU_23_DTD_121H_Sundry_Documents_20240424084144.pdf

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 08:41 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.

5. Lease Serial No.	NMLC068905
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2	
1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	
2. Name of Operator XTO PERMIAN OPERATING LLC	
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,	3b. Phone No. (include area code) (432) 683-2277
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC 23/T24S/R30E/NMP	

7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X
8. Well Name and No. POKER LAKE 23 DTD FEDERAL COM/121H
9. API Well No.
10. Field and Pool or Exploratory Area PURPLE SAGE/WOLFCAMP (GAS)
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
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Poker Lake Unit 23 DTD 121H

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: 406' FSL & 221' FWL OF SECTION 14-T24S-R30E 556' FSL & 220' FWL OF SECTION 14-T24S-R30E
FTP: 100' FSL & 550' FWL OF SECTION 14-T24S-R30E 100' FNL & 391' FWL OF SECTION 23-T24S-R30E
LTP: 330' FNL & 550' FWL OF SECTION 2-T24S-R30E 2537' FNL & 391' FWL OF SECTION 35-T24S-R30E
BHL: 200' FNL & 550' FWL OF SECTION 2-T24S-R30E 2627' FNL & 391' FWL 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 OFFICE 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 of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

The proposed total depth is changing from 27345 MD; 11445 TVD (Purple Sage; Wolfcamp (Gas)) to 24295 MD; 11444 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.

Location of Well

0. SHL: SWSW / 406 FSL / 221 FWL / TWSP: 24S / RANGE: 30E / SECTION: 23 / LAT: 32.211727 / LONG: -103.859559 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 100 FSL / 550 FWL / TWSP: 24S / RANGE: 30E / SECTION: 14 / LAT: 32.210888 / LONG: -103.858498 (TVD: 11445 feet, MD: 11900 feet)

BHL: LOT 1 / 200 FNL / 550 FWL / TWSP: 24S / RANGE: 30E / SECTION: 2 / LAT: 32.253561 / LONG: -103.858469 (TVD: 11445 feet, MD: 27345 feet)

☐ As Drilled

WELL LOCATION INFORMATION

API Number 30-015-	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code	Property Name POKER LAKE UNIT 23 DTD	Well Number 121H
OGRID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3,445'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
M	14	24S	30E		556' FSL	220' FWL	32.212139	-103.859561	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	35	24S	30E		2,627' FNL	391' FWL	32.174417	-103.858948	EDDY

Dedicated Acres 1,600.00	Infill or Defining Well INFILL	Defining Well API	Overlapping Spacing Unit (Y/N) Y	Consolidation Code 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
M	14	24S	30E		556' FSL	220' FWL	32.212139	-103.859561	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	23	24S	30E		100' FNL	391' FWL	32.210337	-103.859014	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	35	24S	30E		2,537' FNL	391' FWL	32.174664	-103.858950	EDDY

Unitized Area or Area of Interest NMNM105422429	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation 3,445'
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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

Printed Name
Terra Sebastian

SURVEYOR CERTIFICATIONS

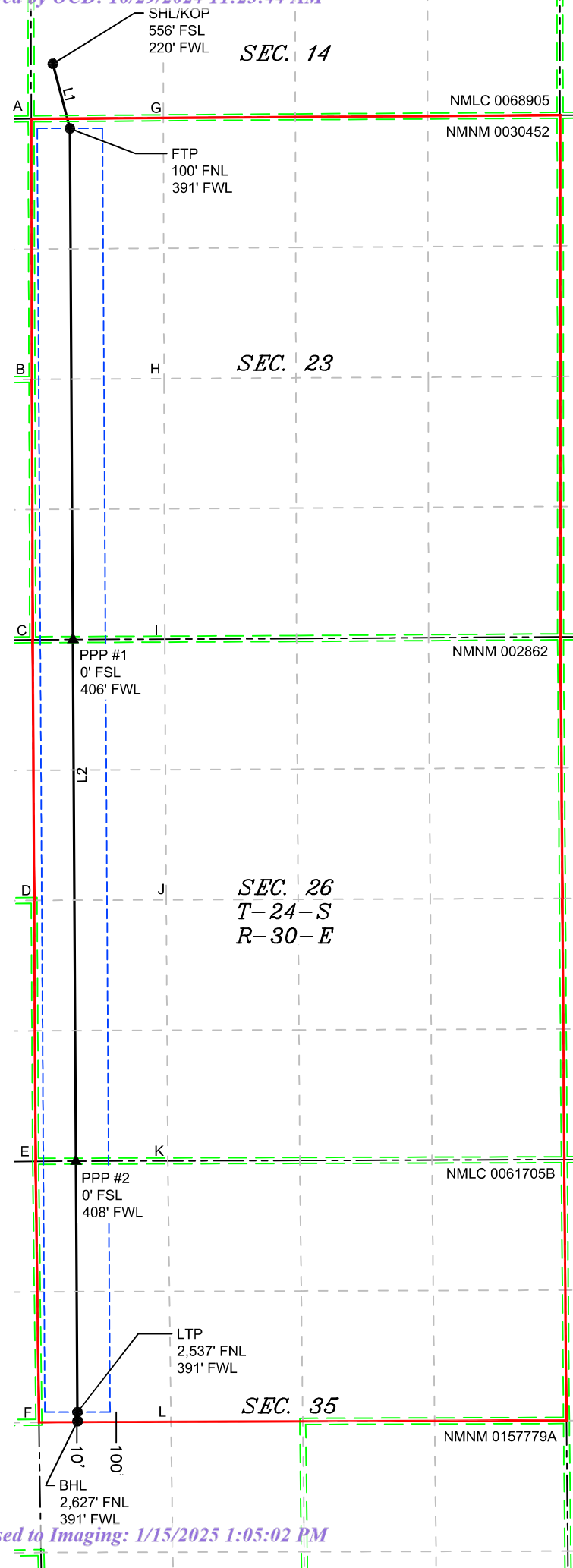
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

[Signature]
Signature and Seal of Professional Surveyor



MARK DILLON HARP 23786
Certificate Number

10/28/2024
Date of Survey



LEGEND

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

LINE TABLE

LINE	AZIMUTH	LENGTH
L1	165°16'13"	676.96'
L2	179°39'28"	13,067.51'

COORDINATE TABLE

SHL (NAD 83 NME)			SHL (NAD 27 NME)		
Y =	441,233.1	N	Y =	441,174.1	N
X =	687,862.8	E	X =	646,679.1	E
LAT. =	32.212139	°N	LAT. =	32.212015	°N
LONG. =	103.859561	°W	LONG. =	103.859075	°W
FTP (NAD 83 NME)			FTP (NAD 27 NME)		
Y =	440,578.4	N	Y =	440,519.4	N
X =	688,035.0	E	X =	646,851.2	E
LAT. =	32.210337	°N	LAT. =	32.210213	°N
LONG. =	103.859014	°W	LONG. =	103.858527	°W
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	435,411.2	N	Y =	435,352.3	N
X =	688,065.6	E	X =	646,881.7	E
LAT. =	32.196133	°N	LAT. =	32.196009	°N
LONG. =	103.858988	°W	LONG. =	103.858503	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	430,138.5	N	Y =	430,079.8	N
X =	688,096.9	E	X =	646,912.7	E
LAT. =	32.181639	°N	LAT. =	32.181515	°N
LONG. =	103.858963	°W	LONG. =	103.858478	°W
LTP (NAD 83 NME)			LTP (NAD 27 NME)		
Y =	427,601.2	N	Y =	427,542.5	N
X =	688,111.9	E	X =	646,927.7	E
LAT. =	32.174664	°N	LAT. =	32.174540	°N
LONG. =	103.858950	°W	LONG. =	103.858466	°W
BHL (NAD 83 NME)			BHL (NAD 27 NME)		
Y =	427,511.2	N	Y =	427,452.5	N
X =	688,113.0	E	X =	646,928.8	E
LAT. =	32.174417	°N	LAT. =	32.174292	°N
LONG. =	103.858948	°W	LONG. =	103.858463	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	440,675.5	N	A - X =	687,643.7	E
B - Y =	438,041.1	N	B - X =	687,651.9	E
C - Y =	435,409.3	N	C - X =	687,659.2	E
D - Y =	432,774.3	N	D - X =	687,673.4	E
E - Y =	430,137.1	N	E - X =	687,689.1	E
F - Y =	427,500.0	N	F - X =	687,722.1	E
G - Y =	440,685.6	N	G - X =	688,981.2	E
H - Y =	438,048.4	N	H - X =	688,988.5	E
I - Y =	435,415.3	N	I - X =	688,995.2	E
J - Y =	432,779.2	N	J - X =	689,010.4	E
K - Y =	430,141.2	N	K - X =	689,026.3	E
L - Y =	427,504.1	N	L - X =	689,058.0	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	440,616.4	N	A - X =	646,459.9	E
B - Y =	437,982.1	N	B - X =	646,468.1	E
C - Y =	435,350.4	N	C - X =	646,475.2	E
D - Y =	432,715.5	N	D - X =	646,489.4	E
E - Y =	430,078.3	N	E - X =	646,505.0	E
F - Y =	427,441.3	N	F - X =	646,537.9	E
G - Y =	440,626.6	N	G - X =	647,797.5	E

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

XTO Energy Inc.
POKER LAKE UNIT 23 DTD 121H
Projected TD: 24295' MD / 11444' TVD
SHL: 556' FSL & 220' FWL , Section 14, T24S, R30E
BHL: 2627' FNL & 391' FWL , 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	1265'	Water
Top of Salt	1668'	Water
Base of Salt	3861'	Water
Delaware	4055'	Water
Brushy Canyon	6561'	Water/Oil/Gas
Bone Spring	7850'	Water
Avalon	8542'	Water/Oil/Gas
1st Bone Spring	8621'	Water/Oil/Gas
2nd Bone Spring	9223'	Water/Oil/Gas
Wolfcamp	11167'	Water/Oil/Gas
Wolfcamp X	11187'	Water/Oil/Gas
Wolfcamp Y	11274'	Water/Oil/Gas
Wolfcamp A	11324'	Water/Oil/Gas
Target/Land Curve	11444'	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 13.375 inch casing @ 1643' (25' above the salt) and circulating cement back to surface. The salt will be isolated by setting 9.625 inch casing at 3961' and circulating cement to surface. The second intermediate will isolate from the salt down to the next casing seat by setting 7.625 inch casing at 10528' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 24295 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 10228 feet) per Potash regulations.

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 1643'	13.375	54.5	J-55	BTC	New	2.91	1.57	10.15
12.25	0' – 3961'	9.625	40	J-55	BTC	New	1.58	2.87	3.98
8.75	0' – 4061'	7.625	29.7	RY P-110	Flush Joint	New	2.19	2.88	1.78
8.75	4061' – 10528'	7.625	29.7	HC L-80	Flush Joint	New	1.59	3.23	2.11
6.75	0' – 10428'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.78	1.97
6.75	10428' - 24295'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.62	5.49

· Production casing meets the clearance requirements as tapered string crosses over before encountering the intermediate shoe, per Onshore Order 2.3.B.1

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface and intermediate 1 casing per this Sundry

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

· 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

· XTO requests the option to use 5" BTC Float equipment for the the production casing

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 13-5/8" 10M top flange x 13-3/8" bottom

B. Tubing Head: 13-5/8" 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: 13.375, 54.5 New BTC, J-55 casing to be set at +/- 1643'

Optional Lead: 1400 sxs EconoCem-HLTRRC (mixed at 12.8 ppg, 1.33 ft³/sx, 10.13 gal/sx water)

Tail: 310 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.33 ft³/sx, 6.39 gal/sx water)

Top of Cement: Surface

Compressives: 12-hr = 250 psi 24 hr = 500 psi

Due to the high probability of not getting cement to surface during conventional top-out jobs in the area, ~10-20 ppb gravel will be added on the backside of the 1" to get cement to surface, if required.

1st Intermediate Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 3961'

Lead: 830 sxs Class C (mixed at 14.8 ppg, 2.06 ft³/sx, 10.13 gal/sx water)

Tail: 60 sxs Class C + 2% CaCl (mixed at 15.6 ppg, 2.06 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 +/- 10528'

1st Stage

Optional Lead: 140 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)

TOC: 3661

Tail: 420 sxs Class C (mixed at 14.8 ppg, 1.27 ft³/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6561

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

2nd Stage - bradenhead contingency

Tail: 130 sxs Class C (mixed at 14.8 ppg, 2.77 ft³/sx, 6.39 gal/sx water)

Top of Cement: 3661

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 (6561') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement to surface. 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 wellhead provider 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 +/- 24295'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 10228 feet

Tail: 850 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 10819 feet

Compressives: 12-hr = 1375 psi 24 hr = 2285 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 13.375 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 4326 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 conducted to at least 50% of the rated working pressure. When nipping up on the 13.375, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each week

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

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

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. 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' - 1643'	17.5	FW/Native	8.4-8.9	35-40	NC
1643' - 3961'	12.25	Brine	8.8-9.3	30-32	NC
3961' to 10528'	8.75	BDE/OBM or FW/Brine	8.8-9.3	30-32	NC
10528' to 24295'	6.75	OBM	11.5-12	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 13-3/8" surface casing with brine solution. A 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 13.375 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 180 to 200 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 6844 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 121H

Measured Depth: 24295.28 ft
TVD RKB: 11444.00 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 441174.10 ft
Easting: 646679.10 ft
RKB: 3477.00 ft
Ground Level: 3445.00 ft
North Reference: Grid
Convergence Angle: 0.25 Deg

Plan Sections

Poker Lake Unit 23 DTD South 121H									
Measured		TVD		Y Offset		X Offset		Build	
Depth	Inclination	Azimuth	RKB	(ft)	(ft)	(ft)	(ft)	Rate	Rate
(ft)	(Deg)	(Deg)	(ft)					(Deg/100ft)	(Deg/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00
4879.09	17.76	165.27	4865.08	-130.70	34.36	137.74	2.02	0.00	2.02
6212.45	17.76	165.27	6134.92	-524.00	172.10	172.10	0.00	0.00	0.00
7091.54	0.00	0.00	7000.00	-654.70	172.10	172.10	-2.02	0.00	2.02
10819.34	0.00	0.00	10727.80	-654.70	172.10	172.10	0.00	0.00	0.00
11944.34	90.00	179.66	11444.00	-1370.88	176.32	176.32	8.00	0.00	8.00
24205.26	90.00	179.66	11444.00	-13631.59	248.65	248.65	0.00	0.00	0.00
24295.28	90.00	179.66	11444.00	-13721.61	249.19	249.19	0.00	0.00	0.00

Position Uncertainty

Poker Lake Unit 23 DTD South 121H									
Measured		TVD		Vertical		Magnitude		Semi-minor	
Depth	Inclination	Highside	Lateral	Error	Bias	Error	Bias	major Error	minor Error
(ft)	(Deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Well Plan Report														
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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_PLU
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_PLU
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_PLU
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_PLU
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_PLU
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_PLU
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_PLU
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.487	0.000	0.000	2.868	2.689	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
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_PLU
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_PLU
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_PLU
1200.000	0.000	0.000	1200.000	4.302	0.000	4.122	0.000	2.693	0.000	0.000	4.302	4.122	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
1300.000	0.000	0.000	1300.000	4.660	0.000	4.481	0.000	2.753	0.000	0.000	4.660	4.481	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
1400.000	0.000	0.000	1400.000	5.019	0.000	4.839	0.000	2.816	0.000	0.000	5.019	4.839	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
1500.000	0.000	0.000	1500.000	5.377	0.000	5.198	0.000	2.881	0.000	0.000	5.377	5.198	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
1600.000	0.000	0.000	1600.000	5.736	0.000	5.556	0.000	2.949	0.000	0.000	5.736	5.556	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
1700.000	0.000	0.000	1700.000	6.094	0.000	5.915	0.000	3.019	0.000	0.000	6.094	5.915	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
1800.000	0.000	0.000	1800.000	6.452	0.000	6.273	0.000	3.090	0.000	0.000	6.452	6.273	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
1900.000	0.000	0.000	1900.000	6.811	0.000	6.632	0.000	3.164	0.000	0.000	6.811	6.632	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2000.000	0.000	0.000	2000.000	7.169	0.000	6.990	0.000	3.240	0.000	0.000	7.169	6.990	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2100.000	0.000	0.000	2100.000	7.528	0.000	7.349	0.000	3.317	0.000	0.000	7.528	7.349	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2200.000	0.000	0.000	2200.000	7.886	0.000	7.707	0.000	3.395	0.000	0.000	7.886	7.707	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2300.000	0.000	0.000	2300.000	8.245	0.000	8.066	0.000	3.476	0.000	0.000	8.245	8.066	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2400.000	0.000	0.000	2400.000	8.603	0.000	8.424	0.000	3.557	0.000	0.000	8.603	8.424	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2500.000	0.000	0.000	2500.000	8.962	0.000	8.783	0.000	3.640	0.000	0.000	8.962	8.783	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2600.000	0.000	0.000	2600.000	9.320	0.000	9.141	0.000	3.725	0.000	0.000	9.320	9.141	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2700.000	0.000	0.000	2700.000	9.679	0.000	9.499	0.000	3.811	0.000	0.000	9.679	9.499	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2800.000	0.000	0.000	2800.000	10.037	0.000	9.858	0.000	3.898	0.000	0.000	10.037	9.858	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
2900.000	0.000	0.000	2900.000	10.396	0.000	10.216	0.000	3.986	0.000	0.000	10.396	10.216	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
3000.000	0.000	0.000	3000.000	10.754	0.000	10.575	0.000	4.076	0.000	0.000	10.754	10.575	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
3100.000	0.000	0.000	3100.000	11.113	0.000	10.933	0.000	4.167	0.000	0.000	11.113	10.933	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU
3200.000	0.000	0.000	3200.000	11.471	0.000	11.292	0.000	4.259	0.000	0.000	11.471	11.292	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLU

3300.000	0.000	0.000	3300.000	11.830	0.000	11.650	0.000	4.352	0.000	0.000	11.830	11.650	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
3400.000	0.000	0.000	3400.000	12.188	0.000	12.009	0.000	4.447	0.000	0.000	12.188	12.009	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
3500.000	0.000	0.000	3500.000	12.547	0.000	12.367	0.000	4.543	0.000	0.000	12.547	12.367	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
3600.000	0.000	0.000	3600.000	12.905	0.000	12.726	0.000	4.641	0.000	0.000	12.905	12.726	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
3700.000	0.000	0.000	3700.000	13.263	0.000	13.084	0.000	4.740	0.000	0.000	13.263	13.084	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
3800.000	0.000	0.000	3800.000	13.622	0.000	13.443	0.000	4.840	0.000	0.000	13.622	13.443	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
3900.000	0.000	0.000	3900.000	13.980	0.000	13.801	0.000	4.941	0.000	0.000	13.980	13.801	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4000.000	0.000	0.000	4000.000	14.339	0.000	14.160	0.000	5.044	0.000	0.000	14.339	14.160	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4100.000	2.020	165.272	4099.979	14.660	0.000	14.511	-0.000	5.149	0.000	0.000	14.679	14.499	90.001	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4200.000	4.040	165.272	4199.834	14.958	0.000	14.832	-0.000	5.253	0.000	0.000	15.003	14.820	89.999	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4300.000	6.060	165.272	4299.441	15.241	0.000	15.153	-0.000	5.358	0.000	0.000	15.327	15.141	90.044	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4400.000	8.080	165.272	4398.675	15.507	0.000	15.474	-0.000	5.464	0.000	0.000	15.650	15.461	90.183	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4500.000	10.100	165.272	4497.415	15.756	0.000	15.794	-0.000	5.570	0.000	0.000	15.973	15.781	90.459	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4600.000	12.120	165.272	4595.535	15.988	0.000	16.115	-0.000	5.677	0.000	0.000	16.295	16.101	90.923	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4700.000	14.140	165.272	4692.916	16.201	0.000	16.435	-0.000	5.785	0.000	0.000	16.614	16.420	91.635	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4800.000	16.160	165.272	4789.436	16.395	0.000	16.756	-0.000	5.895	0.000	0.000	16.930	16.739	92.680	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4879.086	17.758	165.272	4865.080	16.535	0.000	17.010	-0.000	5.983	0.000	0.000	17.179	16.991	93.774	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
4900.000	17.758	165.272	4884.998	16.603	0.000	17.078	-0.000	6.005	0.000	0.000	17.245	17.058	94.050	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5000.000	17.758	165.272	4980.233	16.925	0.000	17.402	-0.000	6.129	0.000	0.000	17.556	17.379	96.234	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5100.000	17.758	165.272	5075.469	17.250	0.000	17.730	-0.000	6.256	0.000	0.000	17.870	17.703	98.843	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5200.000	17.758	165.272	5170.704	17.576	0.000	18.061	-0.000	6.386	0.000	0.000	18.186	18.029	101.973	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5300.000	17.758	165.272	5265.940	17.904	0.000	18.396	-0.000	6.519	0.000	0.000	18.506	18.358	105.711	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5400.000	17.758	165.272	5361.175	18.234	0.000	18.733	-0.000	6.655	0.000	0.000	18.828	18.687	110.103	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5500.000	17.758	165.272	5456.411	18.565	0.000	19.074	-0.000	6.794	0.000	0.000	19.155	19.017	115.089	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5600.000	17.758	165.272	5551.647	18.897	0.000	19.417	-0.000	6.936	0.000	0.000	19.485	19.347	120.462	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5700.000	17.758	165.272	5646.882	19.231	0.000	19.763	-0.000	7.081	0.000	0.000	19.820	19.677	125.881	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5800.000	17.758	165.272	5742.118	19.567	0.000	20.111	-0.000	7.229	0.000	0.000	20.159	20.006	130.988	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
5900.000	17.758	165.272	5837.353	19.903	0.000	20.461	-0.000	7.379	0.000	0.000	20.502	20.335	-44.467	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6000.000	17.758	165.272	5932.589	20.241	0.000	20.814	-0.000	7.533	0.000	0.000	20.849	20.663	-40.578	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6100.000	17.758	165.272	6027.824	20.580	0.000	21.169	-0.000	7.689	0.000	0.000	21.199	20.992	-37.324	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6200.000	17.758	165.272	6123.060	20.920	0.000	21.525	-0.000	7.847	0.000	0.000	21.552	21.320	-34.624	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6212.454	17.758	165.272	6134.920	20.962	0.000	21.570	-0.000	7.867	0.000	0.000	21.596	21.361	-34.331	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6300.000	15.989	165.272	6218.694	21.383	0.000	21.884	-0.000	8.011	0.000	0.000	21.908	21.649	-32.447	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6400.000	13.969	165.272	6315.291	21.844	0.000	22.243	-0.000	8.178	0.000	0.000	22.265	21.983	-30.801	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23

11.949	165.272	6412.739	22.282	0.000	22.603	-0.000	8.344	0.000	0.000	22.623	22.320	-29.585	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6500.000													
9.929	165.272	6510.917	22.697	0.000	22.962	-0.000	8.510	0.000	0.000	22.980	22.660	-28.675	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6600.000													
7.909	165.272	6609.703	23.088	0.000	23.319	-0.000	8.675	0.000	0.000	23.337	23.003	-27.984	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6700.000													
5.889	165.272	6708.974	23.453	0.000	23.675	-0.000	8.838	0.000	0.000	23.692	23.347	-27.454	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6800.000													
3.869	165.272	6808.606	23.792	0.000	24.028	-0.000	9.000	0.000	0.000	24.044	23.692	-27.044	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
6900.000													
1.849	165.272	6908.477	24.105	0.000	24.378	-0.000	9.161	0.000	0.000	24.394	24.036	-26.724	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7000.000													
7091.539	0.000	7000.000	24.426	0.000	24.638	0.000	9.307	0.000	0.000	24.710	24.354	-26.757	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7100.000													
0.000	0.000	7008.461	24.456	0.000	24.667	0.000	9.321	0.000	0.000	24.739	24.383	-26.787	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7200.000													
0.000	0.000	7108.461	24.805	0.000	25.009	0.000	9.481	0.000	0.000	25.082	24.732	-27.143	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7300.000													
0.000	0.000	7208.461	25.154	0.000	25.352	0.000	9.644	0.000	0.000	25.425	25.081	-27.500	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7400.000													
0.000	0.000	7308.461	25.504	0.000	25.695	0.000	9.810	0.000	0.000	25.769	25.430	-27.858	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7500.000													
0.000	0.000	7408.461	25.854	0.000	26.039	0.000	9.978	0.000	0.000	26.113	25.779	-28.219	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7600.000													
0.000	0.000	7508.461	26.204	0.000	26.383	0.000	10.150	0.000	0.000	26.457	26.129	-28.580	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7700.000													
0.000	0.000	7608.461	26.555	0.000	26.727	0.000	10.324	0.000	0.000	26.802	26.479	-28.943	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7800.000													
0.000	0.000	7708.461	26.906	0.000	27.072	0.000	10.500	0.000	0.000	27.148	26.829	-29.307	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
7900.000													
0.000	0.000	7808.461	27.256	0.000	27.417	0.000	10.680	0.000	0.000	27.494	27.179	-29.672	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8000.000													
0.000	0.000	7908.461	27.607	0.000	27.762	0.000	10.862	0.000	0.000	27.840	27.529	-30.038	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8100.000													
0.000	0.000	8008.461	27.959	0.000	28.108	0.000	11.047	0.000	0.000	28.186	27.880	-30.405	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8200.000													
0.000	0.000	8108.461	28.310	0.000	28.454	0.000	11.235	0.000	0.000	28.533	28.231	-30.773	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8300.000													
0.000	0.000	8208.461	28.662	0.000	28.800	0.000	11.426	0.000	0.000	28.880	28.582	-31.141	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8400.000													
0.000	0.000	8308.461	29.013	0.000	29.147	0.000	11.620	0.000	0.000	29.227	28.933	-31.510	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8500.000													
0.000	0.000	8408.461	29.365	0.000	29.494	0.000	11.817	0.000	0.000	29.575	29.284	-31.879	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8600.000													
0.000	0.000	8508.461	29.718	0.000	29.841	0.000	12.016	0.000	0.000	29.923	29.635	-32.248	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8700.000													
0.000	0.000	8608.461	30.070	0.000	30.189	0.000	12.219	0.000	0.000	30.271	29.987	-32.617	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8800.000													
0.000	0.000	8708.461	30.422	0.000	30.536	0.000	12.424	0.000	0.000	30.619	30.339	-32.987	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
8900.000													
0.000	0.000	8808.461	30.775	0.000	30.884	0.000	12.633	0.000	0.000	30.968	30.690	-33.356	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9000.000													
0.000	0.000	8908.461	31.127	0.000	31.233	0.000	12.844	0.000	0.000	31.317	31.042	-33.725	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9100.000													
0.000	0.000	9008.461	31.480	0.000	31.581	0.000	13.058	0.000	0.000	31.666	31.394	-34.093	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9200.000													
0.000	0.000	9108.461	31.833	0.000	31.930	0.000	13.276	0.000	0.000	32.016	31.747	-34.461	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9300.000													
0.000	0.000	9208.461	32.186	0.000	32.279	0.000	13.496	0.000	0.000	32.365	32.099	-34.829	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9400.000													
0.000	0.000	9308.461	32.539	0.000	32.628	0.000	13.719	0.000	0.000	32.715	32.451	-35.196	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9500.000													
0.000	0.000	9408.461	32.893	0.000	32.977	0.000	13.945	0.000	0.000	33.065	32.804	-35.562	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9600.000													
0.000	0.000	9508.461	33.246	0.000	33.327	0.000	14.175	0.000	0.000	33.415	33.157	-35.926	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9700.000													
0.000	0.000	9608.461	33.599	0.000	33.676	0.000	14.407	0.000	0.000	33.766	33.509	-36.290	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23

9800.000	0.000	0.000	9708.461	33.953	0.000	34.026	0.000	14.642	0.000	0.000	34.116	33.862	-36.653	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
9900.000	0.000	0.000	9808.461	34.307	0.000	34.376	0.000	14.880	0.000	0.000	34.467	34.215	-37.014	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10000.000	0.000	0.000	9908.461	34.660	0.000	34.726	0.000	15.122	0.000	0.000	34.818	34.568	-37.374	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10100.000	0.000	0.000	10008.461	35.014	0.000	35.077	0.000	15.366	0.000	0.000	35.169	34.921	-37.732	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10200.000	0.000	0.000	10108.461	35.368	0.000	35.427	0.000	15.613	0.000	0.000	35.521	35.274	-38.089	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10300.000	0.000	0.000	10208.461	35.722	0.000	35.778	0.000	15.864	0.000	0.000	35.872	35.628	-38.444	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10400.000	0.000	0.000	10308.461	36.077	0.000	36.129	0.000	16.117	0.000	0.000	36.224	35.981	-38.797	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10500.000	0.000	0.000	10408.461	36.431	0.000	36.480	0.000	16.374	0.000	0.000	36.576	36.335	-39.149	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10600.000	0.000	0.000	10508.461	36.785	0.000	36.831	0.000	16.633	0.000	0.000	36.928	36.688	-39.498	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10700.000	0.000	0.000	10608.461	37.140	0.000	37.182	0.000	16.896	0.000	0.000	37.280	37.042	-39.845	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10800.000	0.000	0.000	10708.461	37.494	0.000	37.534	0.000	17.161	0.000	0.000	37.632	37.395	-40.190	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10819.339	0.000	0.000	10727.800	37.563	0.000	37.602	0.000	17.213	0.000	0.000	37.700	37.464	-40.257	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
10900.000	6.453	179.662	10808.290	37.844	0.000	37.883	-0.000	17.431	0.000	0.000	37.980	37.744	-40.128	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11000.000	14.453	179.662	10906.551	37.659	0.000	38.227	-0.000	17.700	0.000	0.000	38.321	38.081	-39.152	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11100.000	22.453	179.662	11001.332	36.898	0.000	38.567	-0.000	17.961	0.000	0.000	38.655	38.409	-37.075	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11200.000	30.453	179.662	11090.790	35.590	0.000	38.900	-0.000	18.208	0.000	0.000	38.978	38.715	-33.460	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11300.000	38.453	179.662	11173.182	33.784	0.000	39.220	-0.000	18.437	0.000	0.000	39.286	38.989	-28.596	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11400.000	46.453	179.662	11246.905	31.557	0.000	39.524	-0.000	18.645	0.000	0.000	39.578	39.223	-23.435	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11500.000	54.453	179.662	11310.525	29.016	0.000	39.808	-0.000	18.828	0.000	0.000	39.853	39.410	-18.930	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11600.000	62.453	179.662	11362.802	26.315	0.000	40.069	-0.000	18.988	0.000	0.000	40.107	39.550	-15.479	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11700.000	70.453	179.662	11402.720	23.667	0.000	40.304	-0.000	19.125	0.000	0.000	40.337	39.646	-13.025	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11800.000	78.453	179.662	11429.502	21.362	0.000	40.511	-0.000	19.239	0.000	0.000	40.541	39.705	-11.356	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11900.000	86.453	179.662	11442.625	19.760	0.000	40.685	-0.000	19.334	0.000	0.000	40.714	39.736	-10.280	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
11944.339	90.000	179.662	11443.997	19.371	0.000	40.750	-0.000	19.371	0.000	0.000	40.778	39.743	-9.971	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12000.000	90.000	179.662	11443.997	19.416	0.000	40.829	-0.000	19.416	0.000	0.000	40.857	39.750	-9.627	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12100.000	90.000	179.662	11443.997	19.506	0.000	40.983	-0.000	19.506	0.000	0.000	41.011	39.762	-9.031	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12200.000	90.000	179.662	11443.997	19.606	0.000	41.147	-0.000	19.606	0.000	0.000	41.175	39.774	-8.493	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12300.000	90.000	179.662	11443.997	19.716	0.000	41.323	-0.000	19.716	0.000	0.000	41.351	39.788	-8.007	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12400.000	90.000	179.662	11443.997	19.836	0.000	41.510	-0.000	19.836	0.000	0.000	41.537	39.802	-7.568	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12500.000	90.000	179.662	11443.997	19.966	0.000	41.707	-0.000	19.966	0.000	0.000	41.734	39.817	-7.170	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12600.000	90.000	179.662	11443.997	20.105	0.000	41.915	-0.000	20.105	0.000	0.000	41.942	39.832	-6.809	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12700.000	90.000	179.662	11443.997	20.253	0.000	42.134	-0.000	20.253	0.000	0.000	42.160	39.848	-6.481	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12800.000	90.000	179.662	11443.997	20.410	0.000	42.362	-0.000	20.410	0.000	0.000	42.388	39.865	-6.181	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
12900.000	90.000	179.662	11443.997	20.576	0.000	42.601	-0.000	20.576	0.000	0.000	42.626	39.883	-5.907	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23

13000.000	90.000	179.662	11443.997	20.751	0.000	42.850	-0.000	20.751	0.000	0.000	42.874	39.901	-5.655	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13100.000	90.000	179.662	11443.997	20.934	0.000	43.108	-0.000	20.934	0.000	0.000	43.133	39.920	-5.423	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13200.000	90.000	179.662	11443.997	21.125	0.000	43.376	-0.000	21.125	0.000	0.000	43.400	39.939	-5.210	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13300.000	90.000	179.662	11443.997	21.324	0.000	43.653	-0.000	21.324	0.000	0.000	43.677	39.959	-5.012	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13400.000	90.000	179.662	11443.997	21.531	0.000	43.940	-0.000	21.531	0.000	0.000	43.963	39.980	-4.829	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13500.000	90.000	179.662	11443.997	21.746	0.000	44.236	-0.000	21.746	0.000	0.000	44.259	40.001	-4.659	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13600.000	90.000	179.662	11443.997	21.967	0.000	44.540	-0.000	21.967	0.000	0.000	44.563	40.023	-4.501	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13700.000	90.000	179.662	11443.997	22.196	0.000	44.853	-0.000	22.196	0.000	0.000	44.876	40.046	-4.354	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13800.000	90.000	179.662	11443.997	22.432	0.000	45.175	-0.000	22.432	0.000	0.000	45.197	40.070	-4.216	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
13900.000	90.000	179.662	11443.997	22.675	0.000	45.505	-0.000	22.675	0.000	0.000	45.527	40.094	-4.087	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14000.000	90.000	179.662	11443.997	22.923	0.000	45.843	-0.000	22.923	0.000	0.000	45.864	40.119	-3.965	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14100.000	90.000	179.662	11443.997	23.178	0.000	46.189	-0.000	23.178	0.000	0.000	46.210	40.144	-3.852	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14200.000	90.000	179.662	11443.997	23.440	0.000	46.543	-0.000	23.440	0.000	0.000	46.564	40.170	-3.744	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14300.000	90.000	179.662	11443.997	23.707	0.000	46.904	-0.000	23.707	0.000	0.000	46.925	40.197	-3.643	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14400.000	90.000	179.662	11443.997	23.979	0.000	47.273	-0.000	23.979	0.000	0.000	47.293	40.224	-3.548	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14500.000	90.000	179.662	11443.997	24.257	0.000	47.649	-0.000	24.257	0.000	0.000	47.669	40.252	-3.458	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14600.000	90.000	179.662	11443.997	24.541	0.000	48.032	-0.000	24.541	0.000	0.000	48.052	40.281	-3.372	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14700.000	90.000	179.662	11443.997	24.829	0.000	48.422	-0.000	24.829	0.000	0.000	48.442	40.310	-3.291	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14800.000	90.000	179.662	11443.997	25.122	0.000	48.819	-0.000	25.122	0.000	0.000	48.839	40.340	-3.214	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
14900.000	90.000	179.662	11443.997	25.420	0.000	49.223	-0.000	25.420	0.000	0.000	49.242	40.371	-3.141	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15000.000	90.000	179.662	11443.997	25.723	0.000	49.632	-0.000	25.723	0.000	0.000	49.652	40.402	-3.072	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15100.000	90.000	179.662	11443.997	26.030	0.000	50.049	-0.000	26.030	0.000	0.000	50.067	40.434	-3.005	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15200.000	90.000	179.662	11443.997	26.341	0.000	50.471	-0.000	26.341	0.000	0.000	50.489	40.467	-2.942	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15300.000	90.000	179.662	11443.997	26.657	0.000	50.899	-0.000	26.657	0.000	0.000	50.917	40.500	-2.882	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15400.000	90.000	179.662	11443.997	26.976	0.000	51.333	-0.000	26.976	0.000	0.000	51.351	40.534	-2.824	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15500.000	90.000	179.662	11443.997	27.299	0.000	51.773	-0.000	27.299	0.000	0.000	51.791	40.568	-2.769	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15600.000	90.000	179.662	11443.997	27.626	0.000	52.218	-0.000	27.626	0.000	0.000	52.236	40.603	-2.716	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15700.000	90.000	179.662	11443.997	27.957	0.000	52.669	-0.000	27.957	0.000	0.000	52.686	40.639	-2.665	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15800.000	90.000	179.662	11443.997	28.290	0.000	53.124	-0.000	28.290	0.000	0.000	53.142	40.676	-2.617	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
15900.000	90.000	179.662	11443.997	28.628	0.000	53.585	-0.000	28.628	0.000	0.000	53.603	40.713	-2.570	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16000.000	90.000	179.662	11443.997	28.968	0.000	54.051	-0.000	28.968	0.000	0.000	54.068	40.750	-2.525	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16100.000	90.000	179.662	11443.997	29.312	0.000	54.522	-0.000	29.312	0.000	0.000	54.539	40.789	-2.482	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16200.000	90.000	179.662	11443.997	29.658	0.000	54.998	-0.000	29.658	0.000	0.000	55.014	40.828	-2.441	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16300.000	90.000	179.662	11443.997	30.008	0.000	55.478	-0.000	30.008	0.000	0.000	55.494	40.867	-2.401	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23

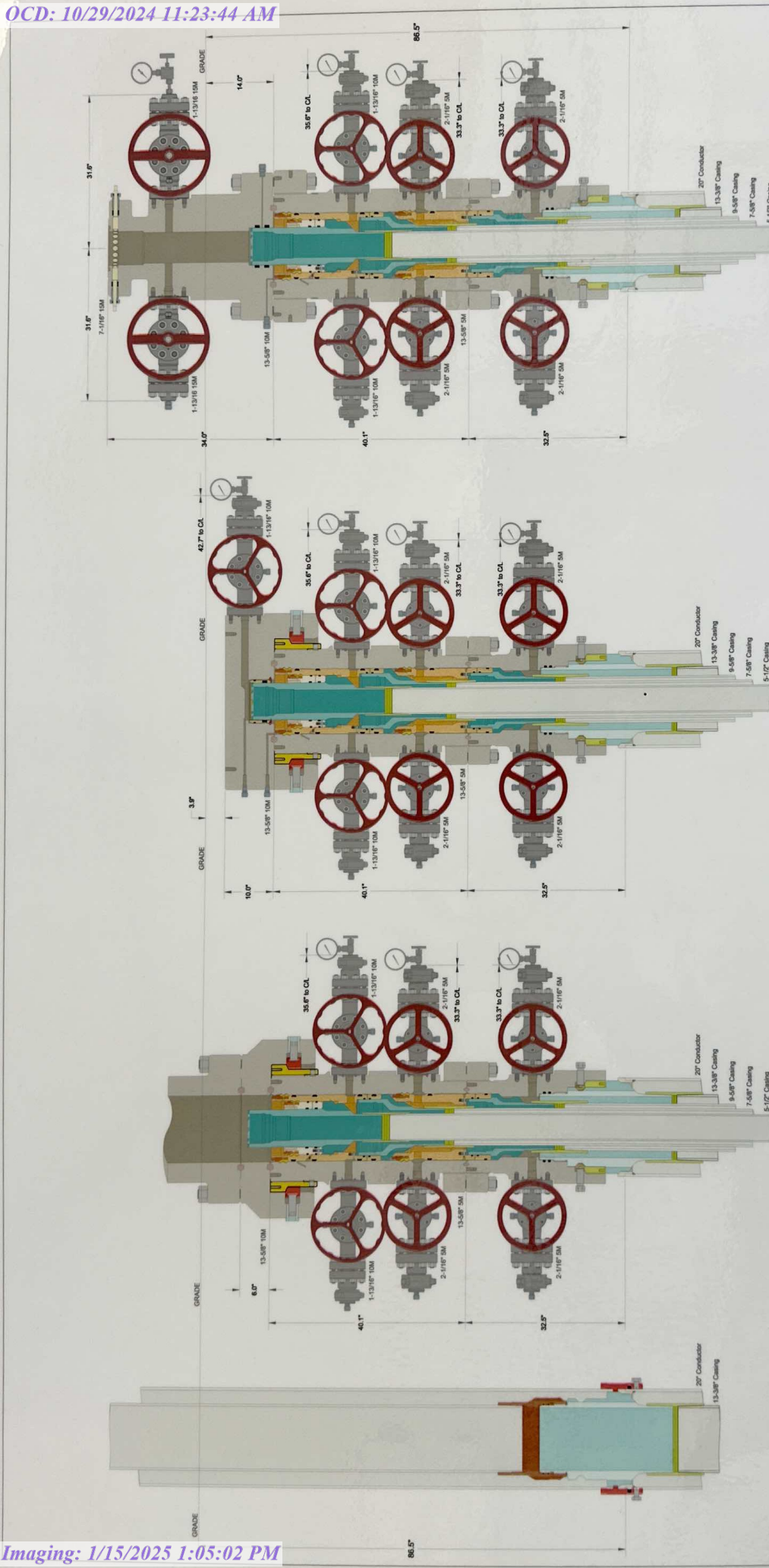
16400.000	90.000	179.662	11443.997	30.360	0.000	55.962	-0.000	30.360	0.000	0.000	55.979	40.907	-2.363	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16500.000	90.000	179.662	11443.997	30.714	0.000	56.451	-0.000	30.714	0.000	0.000	56.467	40.948	-2.326	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16600.000	90.000	179.662	11443.997	31.072	0.000	56.945	-0.000	31.072	0.000	0.000	56.961	40.990	-2.290	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16700.000	90.000	179.662	11443.997	31.432	0.000	57.442	-0.000	31.432	0.000	0.000	57.458	41.032	-2.256	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16800.000	90.000	179.662	11443.997	31.794	0.000	57.944	-0.000	31.794	0.000	0.000	57.959	41.074	-2.222	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
16900.000	90.000	179.662	11443.997	32.159	0.000	58.449	-0.000	32.159	0.000	0.000	58.464	41.118	-2.190	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17000.000	90.000	179.662	11443.997	32.526	0.000	58.958	-0.000	32.526	0.000	0.000	58.973	41.162	-2.159	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17100.000	90.000	179.662	11443.997	32.895	0.000	59.471	-0.000	32.895	0.000	0.000	59.486	41.206	-2.129	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17200.000	90.000	179.662	11443.997	33.266	0.000	59.988	-0.000	33.266	0.000	0.000	60.003	41.251	-2.100	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17300.000	90.000	179.662	11443.997	33.640	0.000	60.508	-0.000	33.640	0.000	0.000	60.523	41.297	-2.072	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17400.000	90.000	179.662	11443.997	34.015	0.000	61.032	-0.000	34.015	0.000	0.000	61.046	41.344	-2.044	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17500.000	90.000	179.662	11443.997	34.392	0.000	61.559	-0.000	34.392	0.000	0.000	61.573	41.391	-2.018	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17600.000	90.000	179.662	11443.997	34.771	0.000	62.089	-0.000	34.771	0.000	0.000	62.103	41.438	-1.992	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17700.000	90.000	179.662	11443.997	35.152	0.000	62.622	-0.000	35.152	0.000	0.000	62.637	41.486	-1.967	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17800.000	90.000	179.662	11443.997	35.534	0.000	63.159	-0.000	35.534	0.000	0.000	63.173	41.535	-1.943	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
17900.000	90.000	179.662	11443.997	35.919	0.000	63.699	-0.000	35.919	0.000	0.000	63.713	41.585	-1.920	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18000.000	90.000	179.662	11443.997	36.304	0.000	64.241	-0.000	36.304	0.000	0.000	64.255	41.635	-1.897	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18100.000	90.000	179.662	11443.997	36.692	0.000	64.787	-0.000	36.692	0.000	0.000	64.800	41.685	-1.875	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18200.000	90.000	179.662	11443.997	37.081	0.000	65.335	-0.000	37.081	0.000	0.000	65.349	41.736	-1.853	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18300.000	90.000	179.662	11443.997	37.471	0.000	65.886	-0.000	37.471	0.000	0.000	65.900	41.788	-1.832	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18400.000	90.000	179.662	11443.997	37.863	0.000	66.440	-0.000	37.863	0.000	0.000	66.453	41.840	-1.812	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18500.000	90.000	179.662	11443.997	38.256	0.000	66.996	-0.000	38.256	0.000	0.000	67.009	41.893	-1.792	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18600.000	90.000	179.662	11443.997	38.651	0.000	67.555	-0.000	38.651	0.000	0.000	67.568	41.947	-1.773	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18700.000	90.000	179.662	11443.997	39.047	0.000	68.117	-0.000	39.047	0.000	0.000	68.130	42.001	-1.754	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18800.000	90.000	179.662	11443.997	39.444	0.000	68.681	-0.000	39.444	0.000	0.000	68.693	42.056	-1.735	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
18900.000	90.000	179.662	11443.997	39.842	0.000	69.247	-0.000	39.842	0.000	0.000	69.259	42.111	-1.718	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19000.000	90.000	179.662	11443.997	40.242	0.000	69.815	-0.000	40.242	0.000	0.000	69.828	42.167	-1.700	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19100.000	90.000	179.662	11443.997	40.642	0.000	70.386	-0.000	40.642	0.000	0.000	70.398	42.223	-1.683	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19200.000	90.000	179.662	11443.997	41.044	0.000	70.959	-0.000	41.044	0.000	0.000	70.971	42.280	-1.667	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19300.000	90.000	179.662	11443.997	41.447	0.000	71.534	-0.000	41.447	0.000	0.000	71.546	42.338	-1.650	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19400.000	90.000	179.662	11443.997	41.851	0.000	72.111	-0.000	41.851	0.000	0.000	72.123	42.396	-1.635	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19500.000	90.000	179.662	11443.997	42.256	0.000	72.691	-0.000	42.256	0.000	0.000	72.703	42.454	-1.619	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19600.000	90.000	179.662	11443.997	42.662	0.000	73.272	-0.000	42.662	0.000	0.000	73.284	42.514	-1.604	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19700.000	90.000	179.662	11443.997	43.069	0.000	73.855	-0.000	43.069	0.000	0.000	73.867	42.573	-1.589	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23

19800.000	90.000	179.662	11443.997	43.477	0.000	74.440	-0.000	43.477	0.000	74.452	42.634	-1.575	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
19900.000	90.000	179.662	11443.997	43.885	0.000	75.027	-0.000	43.885	0.000	75.039	42.695	-1.561	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20000.000	90.000	179.662	11443.997	44.295	0.000	75.616	-0.000	44.295	0.000	75.627	42.756	-1.547	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20100.000	90.000	179.662	11443.997	44.706	0.000	76.206	-0.000	44.706	0.000	76.218	42.818	-1.534	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20200.000	90.000	179.662	11443.997	45.117	0.000	76.799	-0.000	45.117	0.000	76.810	42.881	-1.521	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20300.000	90.000	179.662	11443.997	45.529	0.000	77.393	-0.000	45.529	0.000	77.404	42.944	-1.508	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20400.000	90.000	179.662	11443.997	45.942	0.000	77.988	-0.000	45.942	0.000	77.999	43.007	-1.495	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20500.000	90.000	179.662	11443.997	46.356	0.000	78.585	-0.000	46.356	0.000	78.596	43.071	-1.483	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20600.000	90.000	179.662	11443.997	46.771	0.000	79.184	-0.000	46.771	0.000	79.195	43.136	-1.471	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20700.000	90.000	179.662	11443.997	47.186	0.000	79.785	-0.000	47.186	0.000	79.795	43.201	-1.459	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20800.000	90.000	179.662	11443.997	47.602	0.000	80.386	-0.000	47.602	0.000	80.397	43.267	-1.447	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
20900.000	90.000	179.662	11443.997	48.018	0.000	80.990	-0.000	48.018	0.000	81.000	43.333	-1.436	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21000.000	90.000	179.662	11443.997	48.436	0.000	81.595	-0.000	48.436	0.000	81.605	43.400	-1.425	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21100.000	90.000	179.662	11443.997	48.854	0.000	82.201	-0.000	48.854	0.000	82.211	43.468	-1.414	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21200.000	90.000	179.662	11443.997	49.272	0.000	82.808	-0.000	49.272	0.000	82.819	43.536	-1.404	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21300.000	90.000	179.662	11443.997	49.692	0.000	83.417	-0.000	49.692	0.000	83.428	43.604	-1.393	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21400.000	90.000	179.662	11443.997	50.112	0.000	84.028	-0.000	50.112	0.000	84.038	43.673	-1.383	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21500.000	90.000	179.662	11443.997	50.532	0.000	84.639	-0.000	50.532	0.000	84.649	43.742	-1.373	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21600.000	90.000	179.662	11443.997	50.953	0.000	85.252	-0.000	50.953	0.000	85.262	43.812	-1.363	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21700.000	90.000	179.662	11443.997	51.375	0.000	85.866	-0.000	51.375	0.000	85.876	43.883	-1.353	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21800.000	90.000	179.662	11443.997	51.797	0.000	86.481	-0.000	51.797	0.000	86.491	43.954	-1.344	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
21900.000	90.000	179.662	11443.997	52.220	0.000	87.098	-0.000	52.220	0.000	87.108	44.025	-1.334	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22000.000	90.000	179.662	11443.997	52.643	0.000	87.715	-0.000	52.643	0.000	87.725	44.097	-1.325	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22100.000	90.000	179.662	11443.997	53.067	0.000	88.334	-0.000	53.067	0.000	88.344	44.169	-1.316	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22200.000	90.000	179.662	11443.997	53.491	0.000	88.954	-0.000	53.491	0.000	88.963	44.242	-1.307	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22300.000	90.000	179.662	11443.997	53.916	0.000	89.575	-0.000	53.916	0.000	89.584	44.316	-1.299	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22400.000	90.000	179.662	11443.997	54.341	0.000	90.197	-0.000	54.341	0.000	90.206	44.390	-1.290	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22500.000	90.000	179.662	11443.997	54.767	0.000	90.820	-0.000	54.767	0.000	90.829	44.464	-1.282	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22600.000	90.000	179.662	11443.997	55.193	0.000	91.444	-0.000	55.193	0.000	91.453	44.539	-1.274	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22700.000	90.000	179.662	11443.997	55.620	0.000	92.069	-0.000	55.620	0.000	92.078	44.615	-1.266	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22800.000	90.000	179.662	11443.997	56.047	0.000	92.695	-0.000	56.047	0.000	92.704	44.690	-1.258	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
22900.000	90.000	179.662	11443.997	56.474	0.000	93.322	-0.000	56.474	0.000	93.331	44.767	-1.250	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23000.000	90.000	179.662	11443.997	56.902	0.000	93.950	-0.000	56.902	0.000	93.959	44.844	-1.242	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23100.000	90.000	179.662	11443.997	57.330	0.000	94.579	-0.000	57.330	0.000	94.588	44.921	-1.235	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23

23200.000	90.000	179.662	11443.997	57.759	0.000	95.209	-0.000	57.759	0.000	0.000	95.218	44.999	-1.227	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23300.000	90.000	179.662	11443.997	58.188	0.000	95.839	-0.000	58.188	0.000	0.000	95.848	45.077	-1.220	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23400.000	90.000	179.662	11443.997	58.618	0.000	96.471	-0.000	58.618	0.000	0.000	96.480	45.156	-1.213	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23500.000	90.000	179.662	11443.997	59.048	0.000	97.103	-0.000	59.048	0.000	0.000	97.112	45.235	-1.206	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23600.000	90.000	179.662	11443.997	59.478	0.000	97.737	-0.000	59.478	0.000	0.000	97.745	45.315	-1.199	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23700.000	90.000	179.662	11443.997	59.908	0.000	98.371	-0.000	59.908	0.000	0.000	98.379	45.395	-1.192	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23800.000	90.000	179.662	11443.997	60.339	0.000	99.006	-0.000	60.339	0.000	0.000	99.014	45.475	-1.185	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
23900.000	90.000	179.662	11443.997	60.771	0.000	99.641	-0.000	60.771	0.000	0.000	99.650	45.557	-1.178	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
24000.000	90.000	179.662	11443.997	61.202	0.000	100.278	-0.000	61.202	0.000	0.000	100.286	45.638	-1.172	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
24100.000	90.000	179.662	11443.997	61.634	0.000	100.915	-0.000	61.634	0.000	0.000	100.923	45.720	-1.165	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
24205.261	90.000	179.662	11443.997	62.089	0.000	101.587	-0.000	62.089	0.000	0.000	101.595	45.807	-1.159	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23
24295.279	90.000	179.662	11443.997	62.479	0.000	102.161	-0.000	62.479	0.000	0.000	102.170	45.881	-1.153	MWD+IFR1+SAG+MS+GS_XTO_PLUDDTD_23

Poker Lake Unit 23 DTD South 121H

Plan Targets		Measured Depth				Grid Northing		Grid Easting		TVD MSL		Target Shape	
Target Name		(ft)		(ft)		(ft)		(ft)		(ft)			
FTP 5		11697.45		440519.40		646851.20		7967.00		RECTANGLE			
SHL 5		11893.06		441176.04		646695.10		7839.05		RECTANGLE			
LTP 5		24205.32		427542.50		646927.70		7967.00		RECTANGLE			
BHL 5		24295.27		427452.50		646928.80		7967.00		RECTANGLE			



ALL DIMENSIONS APPROXIMATE		XTO ENERGY INC	
		DELAWARE BASIN	
CACTUS WELLHEAD LLC		DRAWN	DLE
(20") x 13-3/8" x 9-5/8" x 7-5/8" x 5-1/2" MBU-4T-CFL-R-DBLO		APPRV	10SEP21
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head		DRAWING NO.	
And Drilling & Skid Configurations		SDT-3301	

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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

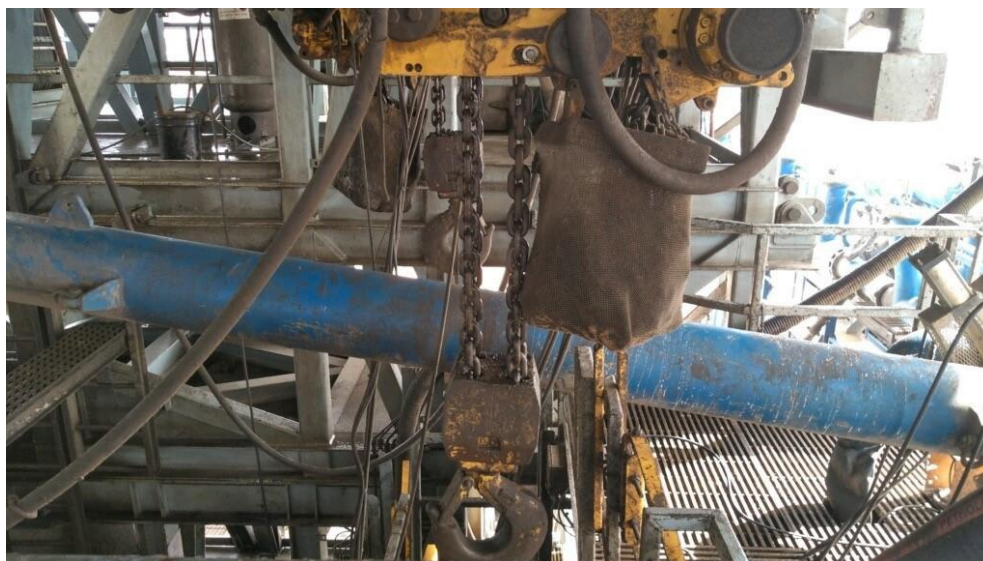


Figure 2: BOP Winch System

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 3170 recognizes 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.

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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

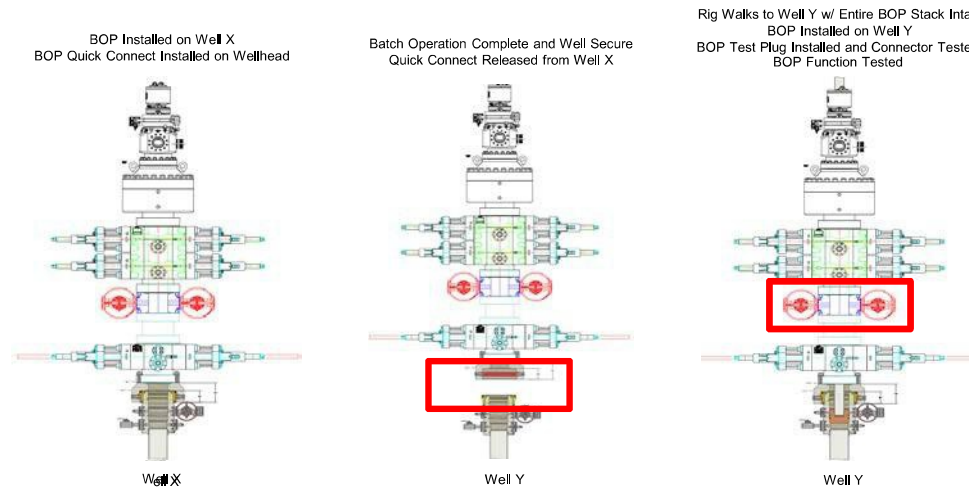
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

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



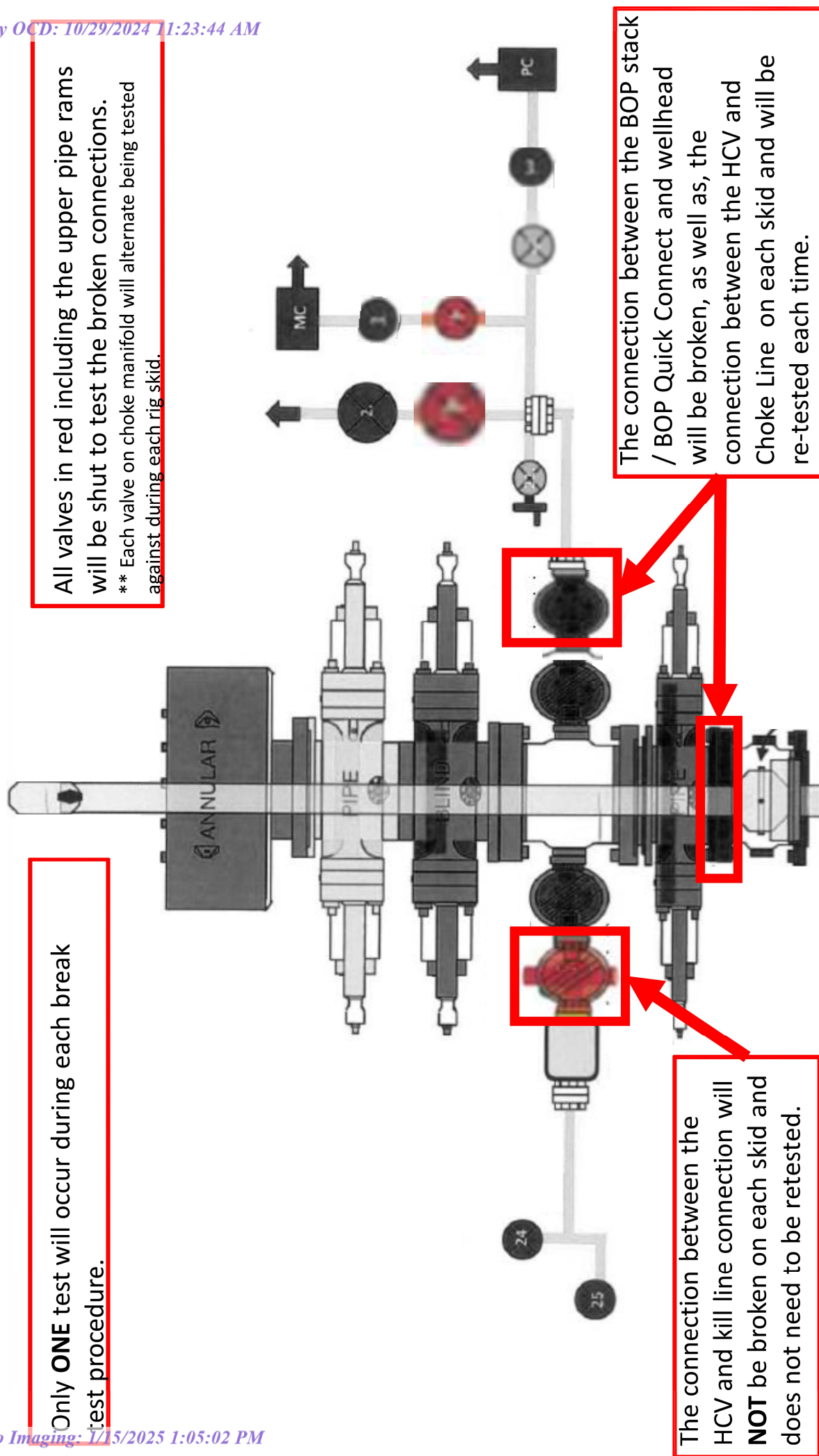
Summary

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.



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

CONDITIONS

Action 396713

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 396713
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	1/15/2025