

Well Name: JAMES RANCH UNIT DI 11 EKALAKA	Well Location: T22S / R30E / SEC 17 / NWSE / 32.390773 / -103.902818	County or Parish/State: EDDY / NM
Well Number: 112H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0002953	Unit or CA Name: JAMES RANCH	Unit or CA Number: NMNM070965Z
US Well Number:	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2642444

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 11/02/2021	Time Sundry Submitted: 08:48
Date proposed operation will begin: 11/04/2021	

Procedure Description: **Name Change, Pool Change, Formation Change, Spacing, Casing/Cement, Drilling Variance Changes XTO Permian Operating, LLC requests permission to make the following changes to the original APD: No Additional Surface Disturbance Change Well Name fr/James Ranch Unit DI 11 Ekalaka 112H to James Ranch Unit DI 11 Ekalaka 921H Pool Change fr/Wildcat Wolfcamp to Wildcat Bone Spring Formation Change fr/Bone Spring to Wolfcamp Change BHL fr/1650'FSL & 50'FEL, Section 15-22S-30E to 1540'FSL & 50'FEL, Section 15-T22S-R30E Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program Directional Plan Multibowl Diagram

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

JRU_DI_11_921H_NOI_Attachments_20211102084836.pdf

Received by OCD: 9/23/2024 2:19:07 PM

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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: STEPHANIE RABADUE	Signed on: NOV 02, 2021 08:48 AM
Name: XTO PERMIAN OPERATING LLC	
Title: Regulatory Coordinator	
Street Address: 500 W. Illinois St, Ste 100	
City: Midland	State: TX
Phone: (432) 620-6714	
Email address: STEPHANIE.RABADUE@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: 11/05/2021
Signature: Chris Walls	

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	11. Country or Parish, State

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

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ 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.)

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Additional Remarks

Attachments:

C102

Drilling Program

Directional Plan

Multibowl Diagram

Location of Well

0. SHL: NWSE / 2105 FSL / 2427 FEL / TWSP: 22S / RANGE: 30E / SECTION: 17 / LAT: 32.390773 / LONG: -103.902818 (TVD: 0 feet, MD: 0 feet)

PPP: NWSE / 1650 FSL / 2540 FEL / TWSP: 22S / RANGE: 30E / SECTION: 17 / LAT: 32.389523 / LONG: -103.903183 (TVD: 10619 feet, MD: 11000 feet)

PPP: NWSW / 1650 FSL / 330 FWL / TWSP: 22S / RANGE: 30E / SECTION: 15 / LAT: 32.390367 / LONG: -103.875407 (TVD: 10764 feet, MD: 20200 feet)

BHL: NESE / 1650 FSL / 50 FEL / TWSP: 22S / RANGE: 30E / SECTION: 15 / LAT: 32.389438 / LONG: -103.860404 (TVD: 10827 feet, MD: 24184 feet)

District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015- 49039	² Pool Code 97905	³ Pool Name Wildcat G-07 S223021G; Bone Spring
⁴ Property Code 331690	⁵ Property Name JAMES RANCH UNIT DI 11 EKALAKA	⁶ Well Number 921H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,112'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	22S	30E		2,105	SOUTH	2,427	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	15	22S	30E		1,540	SOUTH	50	EAST	EDDY

¹² Dedicated Acres 800	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ SHL (NAD83 NME) LTP (NAD83 NME) SHL (NAD27 NME) LTP (NAD27 NME) Y = 506,162.1 Y = 505,621.5 Y = 506,101.3 Y = 505,560.8 X = 674,223.5 X = 687,267.9 X = 633,042.0 X = 646,086.5 LAT. = 32.390773 °N LAT. = 32.389136 °N LAT. = 32.390650 °N LAT. = 32.389013 °N LONG. = 103.902818 °W LONG. = 103.860567 °W LONG. = 103.902323 °W LONG. = 103.860072 °W FTP (NAD83 NME) BHL (NAD83 NME) FTP (NAD27 NME) BHL (NAD27 NME) Y = 505,597.1 Y = 505,621.6 Y = 505,536.3 Y = 505,560.9 X = 674,113.3 X = 687,317.9 X = 632,931.9 X = 646,136.5 LAT. = 32.389221 °N LAT. = 32.389135 °N LAT. = 32.389098 °N LAT. = 32.389013 °N LONG. = 103.903182 °W LONG. = 103.860405 °W LONG. = 103.902687 °W LONG. = 103.859910 °W CORNER COORDINATES (NAD83 NME) A - Y = 506,694.9 N , X = 673,972.6 E B - Y = 506,701.7 N , X = 676,647.5 E C - Y = 506,704.4 N , X = 679,330.5 E D - Y = 506,707.2 N , X = 682,014.8 E E - Y = 506,714.4 N , X = 684,688.7 E F - Y = 506,721.6 N , X = 687,363.4 E G - Y = 505,375.8 N , X = 673,977.1 E H - Y = 505,381.7 N , X = 676,654.5 E I - Y = 505,385.5 N , X = 679,335.9 E J - Y = 505,388.8 N , X = 682,018.2 E K - Y = 505,394.9 N , X = 684,693.1 E L - Y = 505,401.7 N , X = 687,368.8 E CORNER COORDINATES (NAD27 NME) A - Y = 506,634.1 N , X = 632,791.2 E B - Y = 506,640.9 N , X = 635,466.1 E C - Y = 506,643.6 N , X = 638,149.1 E D - Y = 506,646.4 N , X = 640,833.4 E E - Y = 506,653.7 N , X = 643,507.3 E F - Y = 506,660.9 N , X = 646,182.1 E G - Y = 505,315.1 N , X = 632,795.7 E H - Y = 505,320.9 N , X = 635,473.0 E I - Y = 505,324.7 N , X = 638,154.4 E J - Y = 505,328.0 N , X = 640,836.7 E K - Y = 505,334.3 N , X = 643,511.6 E L - Y = 505,341.0 N , X = 646,187.4 E	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Stephanie Rabadue 10/01/2021 Signature _____ Date _____ Stephanie Rabadue Printed Name _____ stephanie.rabadue@exxonmobil.com E-mail Address _____ ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 9-30-2021 Date of Survey _____ Signature and Seal of Professional Surveyor: _____ MARK DILLON HARP 23786 Certificate Number _____ RM _____ 2019072016
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**DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)**

XTO Energy Inc.
James Ranch Unit DI 11 Ekalaka 921H
Projected TD: 23229' MD / 10612' TVD
SHL: 2105' FSL & 2427' FEL , Section 17, T22S, R30E
BHL: 1540' FSL & 50' FEL , Section 15, T22S, 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	65'	Water
Top of Salt	688'	Water
Base of Salt	3195'	Water
Delaware	3423'	Water
Brushy Canyon	5984'	Water/Oil/Gas
Bone Spring	7214'	Water
1st Bone Spring Ss	8169'	Water/Oil/Gas
2nd Bone Spring Ss	8784'	Water/Oil/Gas
3rd Bone Spring Ss	10163'	Water/Oil/Gas
Target/Land Curve	10469'	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 @ 663' (25' above the salt) and circulating cement back to surface. The salt will be isolated by setting 9.625 inch casing at 3295' 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 9588' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 23229 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 9088 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' – 663'	13.375	54.5	J-55	BTC	New	2.77	3.86	23.61
12.25	0' – 3295'	9.625	40	J-55	BTC	New	1.81	2.56	4.78
8.75	0' – 3395'	7.625	29.7	RY P-110	Flush Joint	New	3.59	3.52	1.96
8.75	3395' – 9588'	7.625	29.7	HC L-80	Flush Joint	New	2.61	3.78	2.21
6.75	0' – 9488'	5.5	23	RY P-110	Semi-Premium	New	1.21	3.27	3.11
6.75	9488' - 10200'	5.5	23	RY P-110	Semi-Flush	New	1.21	3.05	37.01
6.75	10200' - 23229'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.93	6.11

- 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
- XTO requests to not utilize centralizers in the curve and lateral
- 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
- Test on 2M annular & 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: 13-5/8" 10M top flange x 13-3/8" SOW 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.
 - Operator will test the 7-5/8" casing per BLM Onshore Order 2
 - Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 13.375, 54.5 New BTC, J-55 casing to be set at +/- 663'

Lead: 260 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft³/sx, 10.13 gal/sx water)
 Tail: 300 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 = 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 +/- 3295'

Lead: 1340 sxs Class C (mixed at 12.9 ppg, 1.39 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 +/- 9588'

1st Stage

Optional Lead: 150 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)
 TOC: 3095
 Tail: 330 sxs Class C (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)
 TOC: Brushy Canyon @ 5984
 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: 350 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 (5984') 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 include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

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 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 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, 23 New Semi-Flush, RY P-110 casing to be set at +/- 23229'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 9088 feet
 Tail: 960 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 9788 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 3M Hydril and a 13-5/8" minimum 3M Double Ram BOP. MASP should not exceed 2632 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 nipping up on the 13.375, 3M bradenhead and flange, the BOP test will be limited to 3000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 3000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

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

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

hole on each of the wells.

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 663'	17.5	FW/Native	8.5-9	35-40	NC
663' - 3295'	12.25	Brine	10-10.5	30-32	NC
3295' to 9588'	8.75	FW / Cut Brine	8.6-9.1	30-32	NC
9588' to 23229'	6.75	OBM	9-9.5	50-60	NC - 20

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

Spud with fresh water/native mud. Drill out from under 13-3/8" surface casing with brine solution. A 10.0 ppg -10.5 ppg 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

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 170 to 190 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 4966 psi.

10. Anticipated Starting Date and Duration of Operations

Anticipated spud date will be after DI 2 drilling is completed and BLM approval. Move in operations and drilling is expected to take 40 days.

Well Plan Report - JRU DI11 Ekalaka 921H

Measured Depth:	23229.00 ft	Slot:	JRU DI 11-D19
TVD RKB:	10612.00 ft		
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	506101.26 ft		
Easting:	633042.79 ft		
RKB:	3132.00 ft		
Ground Level:	3102.00 ft		
North Reference:	Grid		
Convergence Angle:	0.23 Deg		

Plan Sections JRU DI11 Ekalaka 921H									
Measured		TVD		Build		Turn		Dogleg	
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate	Target
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)	
0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	-0.00	0.00	0.00	0.00	
3565.86	7.32	173.82	3564.86	-23.19	2.51	2.00	0.00	2.00	
7669.55	7.32	173.82	7635.14	-542.81	58.79	0.00	0.00	0.00	
8035.41	0.00	0.00	8000.00	-566.00	61.30	-2.00	0.00	2.00	
9788.41	0.00	0.00	9753.00	-566.00	61.30	0.00	0.00	0.00	
10913.40	90.00	90.00	10469.20	-566.06	777.50	8.00	0.00	8.00	Rev 2 FTP 11
23229.30	88.67	89.76	10612.00	-540.48	13092.26	-0.01	-0.00	0.01	Rev 2 BHL 11

Position Uncertainty JRU DI11 Ekalaka 921H														
Measured			TVD Highside		Lateral		Vertical		Magnitude		Semi-major	Semi-minor	Semi-minor	Tool
Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	of Bias	Error	Error	Azimuth	Used
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.297	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.468	0.000	0.468	0.000	2.299	0.000	0.000	0.556	0.358	135.000	MWD+IFR1+MS
200.000	0.000	0.000	200.000	0.983	0.000	0.983	0.000	2.307	0.000	0.000	1.191	0.717	135.000	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.403	0.000	1.403	0.000	2.321	0.000	0.000	1.668	1.075	135.000	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.797	0.000	1.797	0.000	2.340	0.000	0.000	2.099	1.434	135.000	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.179	0.000	2.179	0.000	2.364	0.000	0.000	2.507	1.792	135.000	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.554	0.000	2.554	0.000	2.393	0.000	0.000	2.902	2.151	135.000	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.925	0.000	2.925	0.000	2.428	0.000	0.000	3.288	2.509	135.000	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.292	0.000	3.292	0.000	2.467	0.000	0.000	3.669	2.867	135.000	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.659	0.000	3.659	0.000	2.511	0.000	0.000	4.046	3.226	135.000	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.024	0.000	4.024	0.000	2.559	0.000	0.000	4.420	3.584	135.000	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.387	0.000	4.387	0.000	2.613	0.000	0.000	4.791	3.943	135.000	MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.751	0.000	4.751	0.000	2.670	0.000	0.000	5.161	4.302	135.000	MWD+IFR1+MS
1300.000	0.000	0.000	1300.000	5.113	0.000	5.113	0.000	2.731	0.000	0.000	5.529	4.660	135.000	MWD+IFR1+MS
1400.000	0.000	0.000	1400.000	5.474	0.000	5.474	0.000	2.797	0.000	0.000	5.896	5.018	135.000	MWD+IFR1+MS
1500.000	0.000	0.000	1500.000	5.836	0.000	5.836	0.000	2.866	0.000	0.000	6.262	5.377	135.000	MWD+IFR1+MS
1600.000	0.000	0.000	1600.000	6.197	0.000	6.197	0.000	2.939	0.000	0.000	6.627	5.735	135.000	MWD+IFR1+MS
1700.000	0.000	0.000	1700.000	6.558	0.000	6.558	0.000	3.015	0.000	0.000	6.992	6.094	135.000	MWD+IFR1+MS

1800.000	0.000	0.000	1800.000	6.918	0.000	6.918	0.000	3.095	0.000	0.000	7.355	6.452	135.000	MWD+IFR1+MS
1900.000	0.000	0.000	1900.000	7.279	0.000	7.279	0.000	3.178	0.000	0.000	7.719	6.811	135.000	MWD+IFR1+MS
2000.000	0.000	0.000	2000.000	7.639	0.000	7.639	0.000	3.265	0.000	0.000	8.081	7.169	135.000	MWD+IFR1+MS
2100.000	0.000	0.000	2100.000	7.999	0.000	7.999	0.000	3.354	0.000	0.000	8.444	7.527	135.000	MWD+IFR1+MS
2200.000	0.000	0.000	2200.000	8.359	0.000	8.359	0.000	3.447	0.000	0.000	8.806	7.886	135.000	MWD+IFR1+MS
2300.000	0.000	0.000	2300.000	8.718	0.000	8.718	0.000	3.544	0.000	0.000	9.168	8.244	135.000	MWD+IFR1+MS
2400.000	0.000	0.000	2400.000	9.079	0.000	9.079	0.000	3.643	0.000	0.000	9.530	8.603	135.000	MWD+IFR1+MS
2500.000	0.000	0.000	2500.000	9.437	0.000	9.437	0.000	3.744	0.000	0.000	9.891	8.961	135.000	MWD+IFR1+MS
2600.000	0.000	0.000	2600.000	9.797	0.000	9.797	0.000	3.848	0.000	0.000	10.252	9.320	135.000	MWD+IFR1+MS
2700.000	0.000	0.000	2700.000	10.154	0.000	10.154	0.000	3.956	0.000	0.000	10.611	9.675	135.000	MWD+IFR1+MS
2800.000	0.000	0.000	2800.000	10.512	0.000	10.512	0.000	4.066	0.000	0.000	10.970	10.032	135.000	MWD+IFR1+MS
2900.000	0.000	0.000	2900.000	10.872	0.000	10.872	0.000	4.179	0.000	0.000	11.332	10.392	135.000	MWD+IFR1+MS
3000.000	0.000	0.000	3000.000	11.234	0.000	11.234	0.000	4.294	0.000	0.000	11.695	10.753	135.000	MWD+IFR1+MS
3100.000	0.000	0.000	3100.000	11.593	0.000	11.593	0.000	4.412	0.000	0.000	12.055	11.112	135.000	MWD+IFR1+MS
3200.000	0.000	0.000	3200.000	11.950	0.000	11.950	0.000	4.533	0.000	0.000	12.413	11.468	135.000	MWD+IFR1+MS
3300.000	1.999	173.800	3299.980	12.204	0.000	12.378	-0.000	4.656	0.000	0.000	12.741	11.831	134.103	MWD+IFR1+MS
3400.000	4.000	173.800	3399.838	12.713	0.000	12.698	-0.000	4.782	0.000	0.000	13.197	12.221	127.646	MWD+IFR1+MS
3500.000	6.000	173.800	3499.452	13.200	0.000	13.027	-0.000	4.912	0.000	0.000	13.668	12.593	122.652	MWD+IFR1+MS
3565.800	7.317	173.800	3564.862	13.431	0.000	13.235	-0.000	4.997	0.000	0.000	13.914	12.815	121.430	MWD+IFR1+MS
3600.000	7.317	173.800	3598.728	13.541	0.000	13.344	-0.000	5.041	0.000	0.000	14.021	12.928	121.361	MWD+IFR1+MS
3700.000	7.317	173.800	3697.914	13.854	0.000	13.664	-0.000	5.175	0.000	0.000	14.329	13.250	121.511	MWD+IFR1+MS
3800.000	7.317	173.800	3797.099	14.177	0.000	13.996	-0.000	5.312	0.000	0.000	14.654	13.578	121.810	MWD+IFR1+MS
3900.000	7.317	173.800	3896.285	14.503	0.000	14.327	-0.000	5.452	0.000	0.000	14.981	13.905	122.023	MWD+IFR1+MS
4000.000	7.317	173.800	3995.471	14.831	0.000	14.661	-0.000	5.595	0.000	0.000	15.311	14.236	122.226	MWD+IFR1+MS
4100.000	7.317	173.800	4094.656	15.160	0.000	14.994	-0.000	5.740	0.000	0.000	15.640	14.566	122.413	MWD+IFR1+MS
4200.000	7.317	173.800	4193.842	15.491	0.000	15.333	-0.000	5.888	0.000	0.000	15.973	14.901	122.678	MWD+IFR1+MS
4300.000	7.317	173.800	4293.027	15.825	0.000	15.671	-0.000	6.039	0.000	0.000	16.308	15.237	122.848	MWD+IFR1+MS
4400.000	7.317	173.800	4392.213	16.162	0.000	16.008	-0.000	6.193	0.000	0.000	16.643	15.572	122.943	MWD+IFR1+MS
4500.000	7.317	173.800	4491.399	16.498	0.000	16.347	-0.000	6.350	0.000	0.000	16.979	15.909	123.101	MWD+IFR1+MS
4600.000	7.317	173.800	4590.584	16.836	0.000	16.688	-0.000	6.508	0.000	0.000	17.317	16.248	123.254	MWD+IFR1+MS
4700.000	7.317	173.800	4689.770	17.173	0.000	17.032	-0.000	6.671	0.000	0.000	17.656	16.589	123.479	MWD+IFR1+MS
4800.000	7.317	173.800	4788.956	17.513	0.000	17.374	-0.000	6.835	0.000	0.000	17.995	16.929	123.619	MWD+IFR1+MS
4900.000	7.317	173.800	4888.141	17.854	0.000	17.718	-0.000	7.002	0.000	0.000	18.336	17.271	123.754	MWD+IFR1+MS
5000.000	7.317	173.800	4987.327	18.198	0.000	18.061	-0.000	7.172	0.000	0.000	18.678	17.614	123.816	MWD+IFR1+MS
5100.000	7.317	173.800	5086.513	18.543	0.000	18.406	-0.000	7.345	0.000	0.000	19.022	17.958	123.875	MWD+IFR1+MS
5200.000	7.317	173.800	5185.698	18.887	0.000	18.753	-0.000	7.520	0.000	0.000	19.366	18.302	124.004	MWD+IFR1+MS
5300.000	7.317	173.800	5284.884	19.233	0.000	19.098	-0.000	7.698	0.000	0.000	19.710	18.647	124.058	MWD+IFR1+MS
5400.000	7.317	173.800	5384.070	19.578	0.000	19.445	-0.000	7.878	0.000	0.000	20.054	18.993	124.174	MWD+IFR1+MS
5500.000	7.317	173.800	5483.255	19.925	0.000	19.794	-0.000	8.061	0.000	0.000	20.400	19.340	124.286	MWD+IFR1+MS
5600.000	7.317	173.800	5582.441	20.273	0.000	20.144	-0.000	8.248	0.000	0.000	20.748	19.688	124.395	MWD+IFR1+MS
5700.000	7.317	173.800	5681.626	20.623	0.000	20.493	-0.000	8.436	0.000	0.000	21.096	20.037	124.434	MWD+IFR1+MS
5800.000	7.317	173.800	5780.812	20.972	0.000	20.840	-0.000	8.628	0.000	0.000	21.443	20.384	124.477	MWD+IFR1+MS
5900.000	7.317	173.800	5879.998	21.322	0.000	21.192	-0.000	8.821	0.000	0.000	21.792	20.734	124.577	MWD+IFR1+MS
6000.000	7.317	173.800	5979.183	21.673	0.000	21.542	-0.000	9.018	0.000	0.000	22.141	21.084	124.616	MWD+IFR1+MS
6100.000	7.317	173.800	6078.369	22.024	0.000	21.892	-0.000	9.217	0.000	0.000	22.490	21.434	124.650	MWD+IFR1+MS
6200.000	7.317	173.800	6177.555	22.378	0.000	22.245	-0.000	9.420	0.000	0.000	22.842	21.786	124.686	MWD+IFR1+MS
6300.000	7.317	173.800	6276.740	22.728	0.000	22.597	-0.000	9.624	0.000	0.000	23.192	22.137	124.778	MWD+IFR1+MS
6400.000	7.317	173.800	6375.926	23.083	0.000	22.947	-0.000	9.832	0.000	0.000	23.543	22.488	124.752	MWD+IFR1+MS
6500.000	7.317	173.800	6475.112	23.436	0.000	23.299	-0.000	10.040	0.000	0.000	23.894	22.840	124.786	MWD+IFR1+MS
6600.000	7.317	173.800	6574.297	23.790	0.000	23.652	-0.000	10.252	0.000	0.000	24.247	23.193	124.815	MWD+IFR1+MS
6700.000	7.317	173.800	6673.483	24.145	0.000	24.006	-0.000	10.469	0.000	0.000	24.600	23.547	124.846	MWD+IFR1+MS
6800.000	7.317	173.800	6772.669	24.499	0.000	24.360	-0.000	10.686	0.000	0.000	24.952	23.900	124.873	MWD+IFR1+MS
6900.000	7.317	173.800	6871.854	24.856	0.000	24.714	-0.000	10.909	0.000	0.000	25.307	24.254	124.848	MWD+IFR1+MS
7000.000	7.317	173.800	6971.040	25.211	0.000	25.069	-0.000	11.131	0.000	0.000	25.660	24.608	124.929	MWD+IFR1+MS

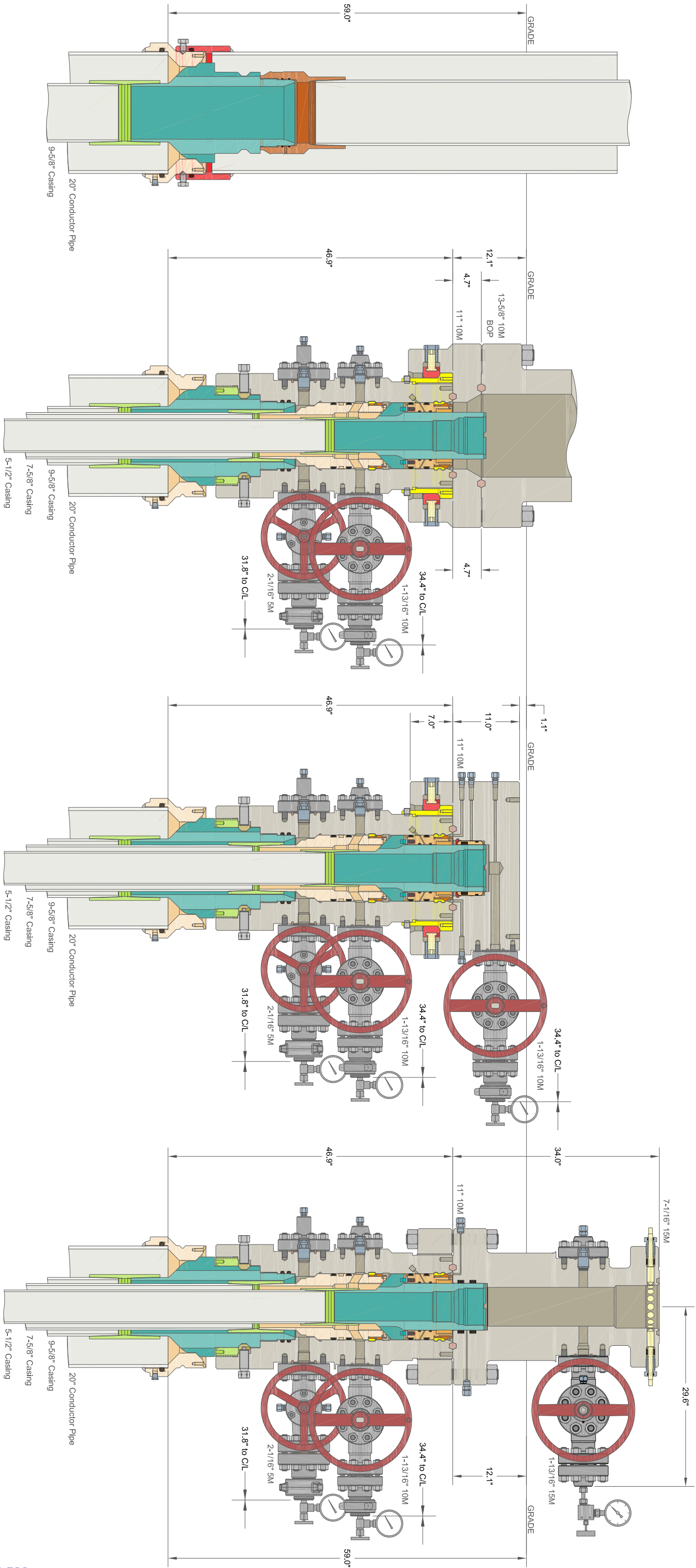
7100.000	7.317	173.800	7070.225	25.568	0.000	25.423	-0.000	11.358	0.000	0.000	26.014	24.963	124.903	MWD+IFR1+MS
7200.000	7.317	173.800	7169.411	25.924	0.000	25.778	-0.000	11.584	0.000	0.000	26.369	25.318	124.928	MWD+IFR1+MS
7300.000	7.317	173.800	7268.597	26.281	0.000	26.132	-0.000	11.819	0.000	0.000	26.723	25.673	124.904	MWD+IFR1+MS
7400.000	7.317	173.800	7367.782	26.639	0.000	26.487	-0.000	12.054	0.000	0.000	27.078	26.028	124.879	MWD+IFR1+MS
7500.000	7.317	173.800	7466.968	26.996	0.000	26.843	-0.000	12.288	0.000	0.000	27.433	26.384	124.904	MWD+IFR1+MS
7600.000	7.317	173.800	7566.154	27.354	0.000	27.197	-0.000	12.530	0.000	0.000	27.789	26.739	124.880	MWD+IFR1+MS
7669.500	7.317	173.800	7635.138	27.602	0.000	27.443	-0.000	12.700	0.000	0.000	28.033	26.988	124.825	MWD+IFR1+MS
7700.000	6.708	173.800	7665.360	27.722	0.000	27.550	-0.000	12.775	0.000	0.000	28.138	27.097	124.828	MWD+IFR1+MS
7800.000	4.708	173.800	7764.859	28.136	0.000	27.900	-0.000	13.019	0.000	0.000	28.515	27.459	123.806	MWD+IFR1+MS
7900.000	2.708	173.800	7864.645	28.572	0.000	28.254	-0.000	13.266	0.000	0.000	28.937	27.829	121.770	MWD+IFR1+MS
8000.000	0.708	173.800	7964.595	28.976	0.000	28.604	-0.000	13.517	0.000	0.000	29.358	28.194	119.941	MWD+IFR1+MS
8035.400	0.000	0.000	8000.000	29.191	0.000	28.609	0.000	13.605	0.000	0.000	29.475	28.316	119.945	MWD+IFR1+MS
8100.000	0.000	0.000	8064.594	29.407	0.000	28.829	0.000	13.766	0.000	0.000	29.691	28.537	119.942	MWD+IFR1+MS
8200.000	0.000	0.000	8164.594	29.741	0.000	29.172	0.000	14.018	0.000	0.000	30.025	28.879	120.127	MWD+IFR1+MS
8300.000	0.000	0.000	8264.594	30.078	0.000	29.516	0.000	14.272	0.000	0.000	30.365	29.221	120.281	MWD+IFR1+MS
8400.000	0.000	0.000	8364.594	30.415	0.000	29.863	0.000	14.529	0.000	0.000	30.705	29.565	120.505	MWD+IFR1+MS
8500.000	0.000	0.000	8464.594	30.752	0.000	30.208	0.000	14.792	0.000	0.000	31.044	29.907	120.689	MWD+IFR1+MS
8600.000	0.000	0.000	8564.594	31.090	0.000	30.555	0.000	15.057	0.000	0.000	31.385	30.252	120.907	MWD+IFR1+MS
8700.000	0.000	0.000	8664.594	31.429	0.000	30.901	0.000	15.323	0.000	0.000	31.727	30.596	121.085	MWD+IFR1+MS
8800.000	0.000	0.000	8764.594	31.765	0.000	31.247	0.000	15.592	0.000	0.000	32.065	30.939	121.331	MWD+IFR1+MS
8900.000	0.000	0.000	8864.594	32.094	0.000	31.594	0.000	15.865	0.000	0.000	32.400	31.280	121.753	MWD+IFR1+MS
9000.000	0.000	0.000	8964.594	32.435	0.000	31.937	0.000	16.140	0.000	0.000	32.742	31.622	121.814	MWD+IFR1+MS
9100.000	0.000	0.000	9064.594	32.787	0.000	32.280	0.000	16.420	0.000	0.000	33.092	31.968	121.591	MWD+IFR1+MS
9200.000	0.000	0.000	9164.594	33.121	0.000	32.634	0.000	16.700	0.000	0.000	33.432	32.316	122.070	MWD+IFR1+MS
9300.000	0.000	0.000	9264.594	33.466	0.000	32.985	0.000	16.985	0.000	0.000	33.779	32.665	122.195	MWD+IFR1+MS
9400.000	0.000	0.000	9364.594	33.808	0.000	33.332	0.000	17.274	0.000	0.000	34.123	33.010	122.318	MWD+IFR1+MS
9500.000	0.000	0.000	9464.594	34.147	0.000	33.675	0.000	17.564	0.000	0.000	34.463	33.351	122.438	MWD+IFR1+MS
9600.000	0.000	0.000	9564.594	34.482	0.000	34.029	0.000	17.858	0.000	0.000	34.804	33.700	122.900	MWD+IFR1+MS
9700.000	0.000	0.000	9664.594	34.828	0.000	34.366	0.000	18.155	0.000	0.000	35.148	34.039	122.673	MWD+IFR1+MS
9788.400	0.000	0.000	9753.000	35.128	0.000	34.684	0.000	18.417	0.000	0.000	35.453	34.353	123.093	MWD+IFR1+MS
9800.000	0.927	90.000	9764.593	34.711	0.000	35.171	0.000	18.453	0.000	0.000	35.491	34.386	122.753	MWD+IFR1+MS
9900.000	8.927	90.000	9864.143	35.164	0.000	35.511	0.000	18.767	0.000	0.000	35.942	35.002	132.849	MWD+IFR1+MS
10000.000	16.920	90.000	9961.529	35.957	0.000	35.847	0.000	19.170	0.000	0.000	37.024	35.724	-17.739	MWD+IFR1+MS
10100.000	24.920	90.000	10054.857	36.239	0.000	36.166	0.000	19.728	0.000	0.000	38.237	36.124	-8.021	MWD+IFR1+MS
10200.000	32.920	90.000	10142.309	36.080	0.000	36.483	0.000	20.479	0.000	0.000	39.335	36.466	-4.298	MWD+IFR1+MS
10300.000	40.920	90.000	10222.184	35.525	0.000	36.770	0.000	21.448	0.000	0.000	40.243	36.763	-2.406	MWD+IFR1+MS
10400.000	48.920	90.000	10292.926	34.670	0.000	37.054	0.000	22.621	0.000	0.000	40.965	37.052	-1.293	MWD+IFR1+MS
10500.000	56.920	90.000	10353.160	33.618	0.000	37.296	0.000	23.977	0.000	0.000	41.485	37.296	-0.589	MWD+IFR1+MS
10600.000	64.920	90.000	10401.712	32.513	0.000	37.523	0.000	25.468	0.000	0.000	41.845	37.523	-0.153	MWD+IFR1+MS
10700.000	72.920	90.000	10437.637	31.507	0.000	37.723	0.000	27.046	0.000	0.000	42.048	37.723	0.065	MWD+IFR1+MS
10800.000	80.920	90.000	10460.237	30.770	0.000	37.908	0.000	28.655	0.000	0.000	42.143	37.908	0.073	MWD+IFR1+MS
10900.000	88.920	90.000	10469.072	30.457	0.000	38.053	0.000	30.244	0.000	0.000	42.166	38.053	-0.145	MWD+IFR1+MS
10913.000	90.000	90.000	10469.197	30.269	0.000	38.066	0.000	30.269	0.000	0.000	42.178	38.066	-0.193	MWD+IFR1+MS
11000.000	89.980	90.000	10469.204	30.401	0.000	38.184	0.000	30.397	0.000	0.000	42.179	38.183	-0.524	MWD+IFR1+MS
11100.000	89.970	90.000	10469.230	30.564	0.000	38.341	0.000	30.558	0.000	0.000	42.191	38.340	-0.931	MWD+IFR1+MS
11200.000	89.950	89.980	10469.275	30.749	0.000	38.510	0.000	30.739	0.000	0.000	42.204	38.508	-1.373	MWD+IFR1+MS
11300.000	89.950	89.980	10469.338	30.948	0.000	38.691	0.000	30.939	0.000	0.000	42.217	38.687	-1.856	MWD+IFR1+MS
11400.000	89.940	89.980	10469.420	31.169	0.000	38.897	0.000	31.158	0.000	0.000	42.231	38.891	-2.401	MWD+IFR1+MS
11500.000	89.930	89.980	10469.521	31.405	0.000	39.115	0.000	31.393	0.000	0.000	42.246	39.106	-3.020	MWD+IFR1+MS
11600.000	89.920	89.980	10469.641	31.653	0.000	39.344	0.000	31.639	0.000	0.000	42.273	39.332	-3.720	MWD+IFR1+MS
11700.000	89.910	89.980	10469.780	31.922	0.000	39.598	0.000	31.906	0.000	0.000	42.290	39.580	-4.576	MWD+IFR1+MS
11800.000	89.900	89.980	10469.937	32.220	0.000	39.862	0.000	32.202	0.000	0.000	42.308	39.838	-5.611	MWD+IFR1+MS
11900.000	89.890	89.980	10470.114	32.531	0.000	40.137	0.000	32.512	0.000	0.000	42.339	40.105	-6.854	MWD+IFR1+MS

12000.000	89.880	89.980	10470.309	32.838	0.000	40.435	0.000	32.818	0.000	0.000	42.374	40.391	-8.477	MWD+IFR1+MS
12100.000	89.870	89.980	10470.523	33.188	0.000	40.743	0.000	33.166	0.000	0.000	42.402	40.683	-10.685	MWD+IFR1+MS
12200.000	89.860	89.970	10470.756	33.534	0.000	41.061	0.000	33.511	0.000	0.000	42.448	40.978	-13.642	MWD+IFR1+MS
12300.000	89.840	89.970	10471.007	33.908	0.000	41.400	0.000	33.882	0.000	0.000	42.507	41.282	-18.022	MWD+IFR1+MS
12400.000	89.830	89.970	10471.278	34.291	0.000	41.749	0.000	34.264	0.000	0.000	42.588	41.572	-24.535	MWD+IFR1+MS
12500.000	89.810	89.970	10471.567	34.686	0.000	42.107	0.000	34.655	0.000	0.000	42.710	41.832	-33.919	MWD+IFR1+MS
12600.000	89.810	89.970	10471.875	35.087	0.000	42.485	0.000	35.057	0.000	0.000	42.901	42.042	134.214	MWD+IFR1+MS
12700.000	89.800	89.950	10472.202	35.513	0.000	42.871	0.000	35.482	0.000	0.000	43.167	42.185	123.411	MWD+IFR1+MS
12800.000	89.790	89.950	10472.548	35.934	0.000	43.277	0.000	35.903	0.000	0.000	43.501	42.281	115.451	MWD+IFR1+MS
12900.000	89.780	89.950	10472.913	36.392	0.000	43.680	0.000	36.359	0.000	0.000	43.862	42.345	110.388	MWD+IFR1+MS
13000.000	89.770	89.950	10473.296	36.844	0.000	44.101	0.000	36.810	0.000	0.000	44.256	42.396	106.876	MWD+IFR1+MS
13100.000	89.760	89.950	10473.699	37.304	0.000	44.541	0.000	37.269	0.000	0.000	44.677	42.449	104.429	MWD+IFR1+MS
13200.000	89.750	89.950	10474.120	37.785	0.000	44.977	0.000	37.749	0.000	0.000	45.100	42.486	102.647	MWD+IFR1+MS
13300.000	89.730	89.950	10474.560	38.274	0.000	45.441	0.000	38.236	0.000	0.000	45.554	42.531	101.254	MWD+IFR1+MS
13400.000	89.730	89.950	10475.019	38.767	0.000	45.901	0.000	38.730	0.000	0.000	46.006	42.573	100.208	MWD+IFR1+MS
13500.000	89.720	89.950	10475.496	39.280	0.000	46.378	0.000	39.243	0.000	0.000	46.476	42.602	99.312	MWD+IFR1+MS
13600.000	89.700	89.950	10475.993	39.789	0.000	46.860	0.000	39.749	0.000	0.000	46.954	42.642	98.607	MWD+IFR1+MS
13700.000	89.690	89.940	10476.508	40.314	0.000	47.348	0.000	40.274	0.000	0.000	47.438	42.681	98.019	MWD+IFR1+MS
13800.000	89.680	89.940	10477.042	40.845	0.000	47.853	0.000	40.804	0.000	0.000	47.938	42.719	97.505	MWD+IFR1+MS
13900.000	89.670	89.940	10477.595	41.393	0.000	48.362	0.000	41.352	0.000	0.000	48.444	42.757	97.066	MWD+IFR1+MS
14000.000	89.660	89.940	10478.167	41.935	0.000	48.886	0.000	41.893	0.000	0.000	48.966	42.794	96.674	MWD+IFR1+MS
14100.000	89.650	89.940	10478.758	42.492	0.000	49.405	0.000	42.450	0.000	0.000	49.482	42.831	96.343	MWD+IFR1+MS
14200.000	89.640	89.930	10479.367	43.054	0.000	49.938	0.000	43.012	0.000	0.000	50.014	42.879	96.049	MWD+IFR1+MS
14300.000	89.630	89.930	10479.995	43.632	0.000	50.486	0.000	43.589	0.000	0.000	50.559	42.916	95.773	MWD+IFR1+MS
14400.000	89.620	89.930	10480.642	44.202	0.000	51.037	0.000	44.159	0.000	0.000	51.109	42.952	95.526	MWD+IFR1+MS
14500.000	89.610	89.930	10481.308	44.788	0.000	51.593	0.000	44.744	0.000	0.000	51.663	43.000	95.310	MWD+IFR1+MS
14600.000	89.590	89.930	10481.993	45.378	0.000	52.152	0.000	45.332	0.000	0.000	52.220	43.047	95.114	MWD+IFR1+MS
14700.000	89.590	89.920	10482.697	45.969	0.000	52.724	0.000	45.924	0.000	0.000	52.791	43.083	94.926	MWD+IFR1+MS
14800.000	89.580	89.920	10483.419	46.575	0.000	53.299	0.000	46.530	0.000	0.000	53.365	43.130	94.759	MWD+IFR1+MS
14900.000	89.560	89.920	10484.161	47.174	0.000	53.887	0.000	47.127	0.000	0.000	53.951	43.177	94.601	MWD+IFR1+MS
15000.000	89.550	89.920	10484.921	47.785	0.000	54.468	0.000	47.739	0.000	0.000	54.531	43.224	94.459	MWD+IFR1+MS
15100.000	89.540	89.920	10485.700	48.410	0.000	55.070	0.000	48.363	0.000	0.000	55.133	43.271	94.321	MWD+IFR1+MS
15200.000	89.530	89.910	10486.497	49.027	0.000	55.666	0.000	48.980	0.000	0.000	55.728	43.318	94.196	MWD+IFR1+MS
15300.000	89.520	89.910	10487.314	49.656	0.000	56.274	0.000	49.608	0.000	0.000	56.334	43.364	94.077	MWD+IFR1+MS
15400.000	89.510	89.910	10488.149	50.287	0.000	56.883	0.000	50.239	0.000	0.000	56.943	43.411	93.966	MWD+IFR1+MS
15500.000	89.500	89.910	10489.003	50.920	0.000	57.504	0.000	50.872	0.000	0.000	57.563	43.469	93.862	MWD+IFR1+MS
15600.000	89.480	89.910	10489.877	51.556	0.000	58.118	0.000	51.507	0.000	0.000	58.176	43.515	93.765	MWD+IFR1+MS
15700.000	89.480	89.900	10490.768	52.201	0.000	58.751	0.000	52.154	0.000	0.000	58.808	43.562	93.669	MWD+IFR1+MS
15800.000	89.470	89.900	10491.679	52.840	0.000	59.377	0.000	52.792	0.000	0.000	59.434	43.619	93.581	MWD+IFR1+MS
15900.000	89.450	89.900	10492.609	53.490	0.000	60.014	0.000	53.442	0.000	0.000	60.069	43.677	93.499	MWD+IFR1+MS
16000.000	89.450	89.900	10493.557	54.150	0.000	60.652	0.000	54.102	0.000	0.000	60.707	43.723	93.419	MWD+IFR1+MS
16100.000	89.440	89.900	10494.524	54.802	0.000	61.299	0.000	54.754	0.000	0.000	61.354	43.780	93.341	MWD+IFR1+MS
16200.000	89.420	89.890	10495.510	55.465	0.000	61.940	0.000	55.417	0.000	0.000	61.994	43.838	93.272	MWD+IFR1+MS
16300.000	89.410	89.890	10496.515	56.129	0.000	62.598	0.000	56.080	0.000	0.000	62.652	43.895	93.203	MWD+IFR1+MS
16400.000	89.400	89.890	10497.539	56.794	0.000	63.250	0.000	56.745	0.000	0.000	63.303	43.952	93.137	MWD+IFR1+MS
16500.000	89.390	89.890	10498.581	57.468	0.000	63.910	0.000	57.420	0.000	0.000	63.962	44.009	93.075	MWD+IFR1+MS
16600.000	89.380	89.890	10499.643	58.135	0.000	64.572	0.000	58.086	0.000	0.000	64.623	44.066	93.013	MWD+IFR1+MS
16700.000	89.370	89.880	10500.723	58.811	0.000	65.242	0.000	58.762	0.000	0.000	65.293	44.134	92.957	MWD+IFR1+MS
16800.000	89.360	89.880	10501.822	59.488	0.000	65.905	0.000	59.439	0.000	0.000	65.956	44.191	92.902	MWD+IFR1+MS
16900.000	89.340	89.880	10502.940	60.174	0.000	66.584	0.000	60.125	0.000	0.000	66.634	44.248	92.846	MWD+IFR1+MS
17000.000	89.340	89.880	10504.077	60.852	0.000	67.257	0.000	60.803	0.000	0.000	67.306	44.316	92.798	MWD+IFR1+MS
17100.000	89.330	89.880	10505.232	61.539	0.000	67.937	0.000	61.490	0.000	0.000	67.986	44.372	92.747	MWD+IFR1+MS
17200.000	89.310	89.870	10506.406	62.226	0.000	68.618	0.000	62.177	0.000	0.000	68.666	44.440	92.699	MWD+IFR1+MS
17300.000	89.310	89.870	10507.600	62.921	0.000	69.307	0.000	62.873	0.000	0.000	69.355	44.508	92.653	MWD+IFR1+MS

17400.000	89.300	89.870	10508.812	63.610	0.000	69.996	0.000	63.561	0.000	0.000	70.043	44.575	92.608	MWD+IFR1+MS
17500.000	89.280	89.870	10510.042	64.306	0.000	70.685	0.000	64.257	0.000	0.000	70.732	44.643	92.566	MWD+IFR1+MS
17600.000	89.270	89.870	10511.292	65.003	0.000	71.375	0.000	64.954	0.000	0.000	71.421	44.710	92.524	MWD+IFR1+MS
17700.000	89.260	89.860	10512.560	65.699	0.000	72.072	0.000	65.651	0.000	0.000	72.118	44.777	92.484	MWD+IFR1+MS
17800.000	89.250	89.860	10513.848	66.404	0.000	72.776	0.000	66.355	0.000	0.000	72.822	44.844	92.445	MWD+IFR1+MS
17900.000	89.230	89.860	10515.154	67.101	0.000	73.473	0.000	67.052	0.000	0.000	73.519	44.911	92.408	MWD+IFR1+MS
18000.000	89.230	89.860	10516.479	67.805	0.000	74.177	0.000	67.757	0.000	0.000	74.222	44.989	92.372	MWD+IFR1+MS
18100.000	89.220	89.860	10517.823	68.510	0.000	74.882	0.000	68.462	0.000	0.000	74.926	45.056	92.335	MWD+IFR1+MS
18200.000	89.200	89.840	10519.185	69.222	0.000	75.592	0.000	69.174	0.000	0.000	75.637	45.123	92.301	MWD+IFR1+MS
18300.000	89.200	89.840	10520.567	69.927	0.000	76.303	0.000	69.878	0.000	0.000	76.347	45.200	92.268	MWD+IFR1+MS
18400.000	89.190	89.840	10521.967	70.638	0.000	77.014	0.000	70.590	0.000	0.000	77.058	45.278	92.235	MWD+IFR1+MS
18500.000	89.180	89.840	10523.386	71.350	0.000	77.731	0.000	71.302	0.000	0.000	77.775	45.344	92.203	MWD+IFR1+MS
18600.000	89.170	89.840	10524.824	72.069	0.000	78.448	0.000	72.021	0.000	0.000	78.491	45.422	92.172	MWD+IFR1+MS
18700.000	89.150	89.840	10526.281	72.780	0.000	79.165	0.000	72.732	0.000	0.000	79.208	45.499	92.142	MWD+IFR1+MS
18800.000	89.140	89.840	10527.756	73.499	0.000	79.882	0.000	73.451	0.000	0.000	79.924	45.576	92.113	MWD+IFR1+MS
18900.000	89.130	89.840	10529.251	74.216	0.000	80.604	0.000	74.169	0.000	0.000	80.646	45.652	92.085	MWD+IFR1+MS
19000.000	89.120	89.840	10530.764	74.934	0.000	81.333	0.000	74.887	0.000	0.000	81.375	45.729	92.057	MWD+IFR1+MS
19100.000	89.110	89.840	10532.296	75.658	0.000	82.055	0.000	75.611	0.000	0.000	82.096	45.817	92.030	MWD+IFR1+MS
19200.000	89.090	89.830	10533.847	76.382	0.000	82.783	0.000	76.335	0.000	0.000	82.824	45.893	92.004	MWD+IFR1+MS
19300.000	89.090	89.830	10535.417	77.105	0.000	83.510	0.000	77.058	0.000	0.000	83.551	45.980	91.978	MWD+IFR1+MS
19400.000	89.080	89.830	10537.005	77.829	0.000	84.243	0.000	77.782	0.000	0.000	84.284	46.057	91.953	MWD+IFR1+MS
19500.000	89.060	89.830	10538.613	78.552	0.000	84.976	0.000	78.505	0.000	0.000	85.016	46.144	91.929	MWD+IFR1+MS
19600.000	89.060	89.830	10540.239	79.280	0.000	85.708	0.000	79.234	0.000	0.000	85.748	46.220	91.904	MWD+IFR1+MS
19700.000	89.050	89.810	10541.884	80.009	0.000	86.445	0.000	79.962	0.000	0.000	86.486	46.306	91.881	MWD+IFR1+MS
19800.000	89.040	89.810	10543.548	80.737	0.000	87.182	0.000	80.691	0.000	0.000	87.222	46.393	91.858	MWD+IFR1+MS
19900.000	89.030	89.810	10545.231	81.465	0.000	87.919	0.000	81.419	0.000	0.000	87.959	46.479	91.835	MWD+IFR1+MS
20000.000	89.010	89.810	10546.932	82.198	0.000	88.661	0.000	82.152	0.000	0.000	88.700	46.565	91.814	MWD+IFR1+MS
20100.000	89.000	89.810	10548.652	82.931	0.000	89.402	0.000	82.885	0.000	0.000	89.441	46.651	91.792	MWD+IFR1+MS
20200.000	88.980	89.810	10550.392	83.664	0.000	90.143	0.000	83.618	0.000	0.000	90.181	46.737	91.771	MWD+IFR1+MS
20300.000	88.980	89.810	10552.150	84.396	0.000	90.883	0.000	84.350	0.000	0.000	90.921	46.822	91.750	MWD+IFR1+MS
20400.000	88.970	89.810	10553.926	85.133	0.000	91.628	0.000	85.088	0.000	0.000	91.666	46.918	91.731	MWD+IFR1+MS
20500.000	88.950	89.810	10555.722	85.865	0.000	92.378	0.000	85.820	0.000	0.000	92.416	47.004	91.710	MWD+IFR1+MS
20600.000	88.950	89.810	10557.537	86.601	0.000	93.122	0.000	86.556	0.000	0.000	93.159	47.100	91.691	MWD+IFR1+MS
20700.000	88.940	89.800	10559.370	87.343	0.000	93.870	0.000	87.298	0.000	0.000	93.907	47.185	91.672	MWD+IFR1+MS
20800.000	88.930	89.800	10561.222	88.078	0.000	94.623	0.000	88.034	0.000	0.000	94.660	47.280	91.654	MWD+IFR1+MS
20900.000	88.920	89.800	10563.093	88.819	0.000	95.371	0.000	88.775	0.000	0.000	95.407	47.375	91.635	MWD+IFR1+MS
21000.000	88.910	89.800	10564.983	89.559	0.000	96.123	0.000	89.515	0.000	0.000	96.159	47.470	91.617	MWD+IFR1+MS
21100.000	88.900	89.790	10566.891	90.299	0.000	96.873	0.000	90.255	0.000	0.000	96.910	47.565	91.600	MWD+IFR1+MS
21200.000	88.890	89.790	10568.819	91.038	0.000	97.629	0.000	90.995	0.000	0.000	97.665	47.660	91.582	MWD+IFR1+MS
21300.000	88.870	89.790	10570.765	91.782	0.000	98.384	0.000	91.739	0.000	0.000	98.420	47.754	91.566	MWD+IFR1+MS
21400.000	88.860	89.790	10572.730	92.526	0.000	99.138	0.000	92.482	0.000	0.000	99.174	47.849	91.549	MWD+IFR1+MS
21500.000	88.840	89.790	10574.714	93.269	0.000	99.897	0.000	93.226	0.000	0.000	99.932	47.943	91.532	MWD+IFR1+MS
21600.000	88.840	89.780	10576.717	94.011	0.000	100.639	0.000	93.968	0.000	0.000	100.675	48.047	91.517	MWD+IFR1+MS
21700.000	88.830	89.780	10578.738	94.753	0.000	101.382	0.000	94.710	0.000	0.000	101.417	48.141	91.502	MWD+IFR1+MS
21800.000	88.810	89.780	10580.779	95.499	0.000	102.168	0.000	95.457	0.000	0.000	102.203	48.245	91.486	MWD+IFR1+MS
21900.000	88.810	89.780	10582.838	96.245	0.000	102.899	0.000	96.203	0.000	0.000	102.934	48.338	91.471	MWD+IFR1+MS
22000.000	88.800	89.780	10584.916	96.990	0.000	103.674	0.000	96.948	0.000	0.000	103.708	48.441	91.456	MWD+IFR1+MS
22100.000	88.790	89.770	10587.013	97.740	0.000	104.442	0.000	97.699	0.000	0.000	104.477	48.545	91.441	MWD+IFR1+MS
22200.000	88.780	89.770	10589.129	98.489	0.000	105.205	0.000	98.448	0.000	0.000	105.240	48.648	91.426	MWD+IFR1+MS
22300.000	88.770	89.770	10591.263	99.238	0.000	105.963	0.000	99.197	0.000	0.000	105.997	48.751	91.412	MWD+IFR1+MS
22400.000	88.760	89.770	10593.417	99.986	0.000	106.715	0.000	99.945	0.000	0.000	106.749	48.853	91.399	MWD+IFR1+MS
22500.000	88.730	89.770	10595.589	100.689	0.000	107.508	0.000	100.648	0.000	0.000	107.542	48.956	91.384	MWD+IFR1+MS
22600.000	88.730	89.760	10597.780	101.480	0.000	108.250	0.000	101.440	0.000	0.000	108.284	49.068	91.371	MWD+IFR1+MS

22700.000	88.720	89.760	10599.990	102.217	0.000	109.032	0.000	102.176	0.000	0.000	109.066	49.170	91.358	MWD+IFR1+MS
22800.000	88.700	89.760	10602.218	102.948	0.000	109.809	0.000	102.908	0.000	0.000	109.842	49.272	91.344	MWD+IFR1+MS
22900.000	88.700	89.760	10604.466	103.722	0.000	110.580	0.000	103.682	0.000	0.000	110.613	49.383	91.331	MWD+IFR1+MS
23000.000	88.690	89.760	10606.732	104.443	0.000	111.346	0.000	104.403	0.000	0.000	111.379	49.495	91.318	MWD+IFR1+MS
23100.000	88.680	89.750	10609.017	105.206	0.000	112.106	0.000	105.167	0.000	0.000	112.139	49.596	91.306	MWD+IFR1+MS
23200.000	88.670	89.750	10611.321	105.964	0.000	112.862	0.000	105.925	0.000	0.000	112.895	49.707	91.294	MWD+IFR1+MS
23229.000	88.670	89.750	10612.000	106.199	0.000	113.083	0.000	106.160	0.000	0.000	113.116	49.737	91.291	MWD+IFR1+MS

Plan Targets		JRU DI11 Ekalaka 921H			
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
Kick Off Pt 22	10411.58	504987.20	632808.10	6601.80	CIRCLE
Rev 2 FTP 11	10922.22	505535.20	633821.00	7328.00	CIRCLE
FTP 47	11150.20	504987.20	633524.30	7318.00	RECTANGLE
BHL 47	23802.12	505011.04	646137.64	7318.00	RECTANGLE
Rev 2 BHL 11	23239.00	505560.78	646135.05	7470.00	CIRCLE



CACTUS WELLHEAD LLC

XTO ENERGY INC
ICARUS PAD

ALL DIMENSIONS APPROXIMATE

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

DRAWN	DLE	18JAN21
APPRV		

DRAWING NO. HBE0000479

Sante Fe Main Office
Phone: (505) 476-3441

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Phone: (505) 629-6116

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 385928

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 385928
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Prior to the submission of this C-104, there was a C-103 NOI submitted for approval. The C-103 NOI was not approved or rejected; however, the work requested in the C-103 NOI was performed and completed without NMOCD approval. This action is currently under review from our legal department.	11/13/2024