

Well Name: JAMES RANCH UNIT DI 11 EKALAKA	Well Location: T22S / R30E / SEC 17 / NWSE /	County or Parish/State:
Well Number: 123H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NYNM002951A	Unit or CA Name: JAMES RANCH	Unit or CA Number: NMNM070965X
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2642452

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 11/02/2021	Time Sundry Submitted: 09:00
Date proposed operation will begin: 11/04/2021	

Procedure Description: **Name 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 114H to James Ranch Unit DI 11 Ekalaka 123H Change BHL fr/990'FNL & 50'FEL, Section 15-22S-30E to 1100'FNL & 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_123H_NOI_Attachments_20211102085949.pdf

Well Name: JAMES RANCH UNIT DI 11 EKALAKA	Well Location: T22S / R30E / SEC 17 / NWSE /	County or Parish/State:
Well Number: 123H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NYNM002951A	Unit or CA Name: JAMES RANCH	Unit or CA Number: NMNM070965X
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: STEPHANIE RABADUE	Signed on: NOV 02, 2021 08:59 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

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	

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: (505) 748-1283 Fax: (505) 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-	² Pool Code 98344	³ Pool Name WC 015 G08 S223017 K Wolfcamp
⁴ Property Code	⁵ Property Name JAMES RANCH UNIT DI 11 EKALAKA	⁶ Well Number 123H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,111'

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		2,335	SOUTH	2,456	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	22S	30E		1,100	NORTH	50	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
800			

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				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. Signature: <u>Stephanie Rabadue</u> Date: <u>10/01/2021</u> Printed Name: <u>Stephanie Rabadue</u> E-mail Address: <u>stephanie.rabadue@exxonmobil.com</u>	
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. Date of Survey: <u>9-30-2021</u> Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number: <u>RM</u> 2019072018					

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

XTO Energy Inc.
James Ranch Unit DI 11 Ekalaka 123H
Projected TD: 23361' MD / 10787' TVD
SHL: 2335' FSL & 2456' FEL , Section 17, T22S, R30E
BHL: 1100' FNL & 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	64'	Water
Top of Salt	687'	Water
Base of Salt	3194'	Water
Delaware	3422'	Water
Brushy Canyon	5983'	Water/Oil/Gas
Bone Spring	7213'	Water
1st Bone Spring Ss	8168'	Water/Oil/Gas
2nd Bone Spring Ss	8783'	Water/Oil/Gas
3rd Bone Spring Ss	10162'	Water/Oil/Gas
Wolfcamp	10527'	Water/Oil/Gas
Wolfcamp X	10543'	Water/Oil/Gas
Wolfcamp Y	10601'	Water/Oil/Gas
Target/Land Curve	10626'	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 @ 662' (25' above the salt) and circulating cement back to surface. The salt will be isolated by setting 9.625 inch casing at 3294' 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 8870' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 23361 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 8370 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' – 662'	13.375	54.5	J-55	BTC	New	2.77	3.86	23.64
12.25	0' – 3294'	9.625	40	J-55	BTC	New	1.96	2.56	4.78
8.75	0' – 3394'	7.625	29.7	RY P-110	Flush Joint	New	2.97	3.52	2.12
8.75	3394' – 8870'	7.625	29.7	HC L-80	Flush Joint	New	2.16	4.09	2.50
6.75	0' – 8770'	5.5	23	RY P-110	Semi-Premium	New	1.21	3.22	3.02
6.75	8770' - 10500'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.69	15.23
6.75	10500' - 23361'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.62	5.28

- 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 +/- 662'

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 +/- 3294'

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 +/- 8870'

1st Stage

Optional Lead: 150 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)
 TOC: 3094
 Tail: 260 sxs Class C (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)
 TOC: Brushy Canyon @ 5983
 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 (5983') 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 +/- 23361'

Lead: 70 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 8370 feet
 Tail: 940 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 10163 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 5M Double Ram BOP. MASP should not exceed 3180 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, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M 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' - 662'	17.5	FW/Native	8.5-9	35-40	NC
662' - 3294'	12.25	Brine	10-10.5	30-32	NC
3294' to 8870'	8.75	FW / Cut Brine	8.6-9.1	30-32	NC
9850' to 11248'	6.75	FW / Cut Brine	9.9-10.4	30-32	NC
11248' to 23361'	6.75	OBM	9.9-10.4	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. Water-based mud will be used to drill the production vertical/curve to collect geochem cuttings.

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. Geochem cuttings will be captured while drilling the production curve with water-based mud from 2nd Bone Spring Lime to Wolfcamp Y. 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 5553 psi.

10. Anticipated Starting Date and Duration of Operations

Anticipated spud date will be after Remuda South 25 State drilling is completed and BLM approval. Move in operations and drilling is expected to take 40 days.

Well Plan Report - JRU DI11 Ekalaka 123H

Measured Depth: 23361.00 ft
TVD RKB: 10787.00 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 506331.10 ft
Easting: 633011.90 ft
RKB: 3142.00 ft
Ground Level: 3102.00 ft
North Reference: Grid
Convergence Angle: 0.23 Deg

Plan Sections JRU DI11 Ekalaka 123H									
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	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	
3393.74	13.87	9.92	3386.98	82.34	14.40	2.00	0.00	2.00	
10163.00	13.87	9.92	9958.73	1681.35	294.01	0.00	0.00	0.00	
11248.81	89.24	89.88	10626.00	1842.90	1000.00	6.94	7.36	8.00	
23361.34	89.24	89.88	10787.00	1867.58	13111.44	0.00	0.00	0.00	Rev 2 BHL 3

Position Uncertainty JRU DI11 Ekalaka 123H														
Measured			TVD Highside			Lateral		Vertical		Magnitude		Semi-major	Semi-minor	Semi-minor
Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	of Bias	Error	Error	Azimuth	Tool
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	Used
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	1.999	9.917	2799.980	10.749	0.000	10.356	0.000	4.066	0.000	0.000	11.049	10.041	133.245	MWD+IFR1+MS
2900.000	4.000	9.917	2899.838	11.309	0.000	10.720	0.000	4.179	0.000	0.000	11.605	10.422	129.354	MWD+IFR1+MS
3000.000	6.000	9.917	2999.452	11.843	0.000	11.086	0.000	4.295	0.000	0.000	12.155	10.796	126.707	MWD+IFR1+MS
3100.000	7.999	9.917	3098.702	12.345	0.000	11.449	0.000	4.418	0.000	0.000	12.690	11.161	124.888	MWD+IFR1+MS
3200.000	10.000	9.917	3197.465	12.824	0.000	11.813	0.000	4.548	0.000	0.000	13.212	11.525	123.579	MWD+IFR1+MS
3300.000	11.990	9.917	3295.623	13.277	0.000	12.176	0.000	4.686	0.000	0.000	13.721	11.885	122.612	MWD+IFR1+MS
3393.700	13.870	9.917	3386.980	13.661	0.000	12.512	0.000	4.820	0.000	0.000	14.166	12.220	121.947	MWD+IFR1+MS
3400.000	13.870	9.917	3393.057	13.681	0.000	12.536	0.000	4.824	0.000	0.000	14.187	12.244	121.947	MWD+IFR1+MS
3500.000	13.870	9.917	3490.139	13.995	0.000	12.889	0.000	4.955	0.000	0.000	14.493	12.600	122.177	MWD+IFR1+MS
3600.000	13.870	9.917	3587.221	14.327	0.000	13.252	0.000	5.090	0.000	0.000	14.820	12.961	122.516	MWD+IFR1+MS
3700.000	13.870	9.917	3684.303	14.660	0.000	13.619	0.000	5.230	0.000	0.000	15.148	13.324	122.956	MWD+IFR1+MS
3800.000	13.870	9.917	3781.386	14.995	0.000	13.985	0.000	5.372	0.000	0.000	15.479	13.686	123.336	MWD+IFR1+MS
3900.000	13.870	9.917	3878.468	15.333	0.000	14.355	0.000	5.519	0.000	0.000	15.813	14.052	123.761	MWD+IFR1+MS
4000.000	13.870	9.917	3975.550	15.677	0.000	14.722	0.000	5.668	0.000	0.000	16.151	14.417	124.085	MWD+IFR1+MS
4100.000	13.870	9.917	4072.632	16.020	0.000	15.094	0.000	5.822	0.000	0.000	16.489	14.785	124.501	MWD+IFR1+MS
4200.000	13.870	9.917	4169.714	16.366	0.000	15.463	0.000	5.977	0.000	0.000	16.830	15.151	124.864	MWD+IFR1+MS
4300.000	13.870	9.917	4266.797	16.717	0.000	15.833	0.000	6.137	0.000	0.000	17.174	15.519	125.173	MWD+IFR1+MS
4400.000	13.870	9.917	4363.879	17.067	0.000	16.207	0.000	6.299	0.000	0.000	17.519	15.889	125.573	MWD+IFR1+MS
4500.000	13.870	9.917	4460.961	17.420	0.000	16.579	0.000	6.464	0.000	0.000	17.866	16.258	125.921	MWD+IFR1+MS
4600.000	13.870	9.917	4558.043	17.774	0.000	16.951	0.000	6.632	0.000	0.000	18.214	16.627	126.264	MWD+IFR1+MS
4700.000	13.870	9.917	4655.125	18.132	0.000	17.327	0.000	6.803	0.000	0.000	18.566	17.000	126.602	MWD+IFR1+MS
4800.000	13.870	9.917	4752.208	18.489	0.000	17.701	0.000	6.977	0.000	0.000	18.918	17.370	126.935	MWD+IFR1+MS
4900.000	13.870	9.917	4849.290	18.848	0.000	18.075	0.000	7.153	0.000	0.000	19.271	17.741	127.265	MWD+IFR1+MS
5000.000	13.870	9.917	4946.372	19.211	0.000	18.452	0.000	7.333	0.000	0.000	19.627	18.115	127.587	MWD+IFR1+MS
5100.000	13.870	9.917	5043.454	19.573	0.000	18.827	0.000	7.515	0.000	0.000	19.983	18.488	127.905	MWD+IFR1+MS
5200.000	13.870	9.917	5140.536	19.936	0.000	19.203	0.000	7.699	0.000	0.000	20.340	18.860	128.219	MWD+IFR1+MS
5300.000	13.870	9.917	5237.619	20.302	0.000	19.579	0.000	7.887	0.000	0.000	20.699	19.234	128.478	MWD+IFR1+MS
5400.000	13.870	9.917	5334.701	20.668	0.000	19.958	0.000	8.077	0.000	0.000	21.059	19.609	128.830	MWD+IFR1+MS
5500.000	13.870	9.917	5431.783	21.036	0.000	20.334	0.000	8.269	0.000	0.000	21.421	19.984	129.082	MWD+IFR1+MS
5600.000	13.870	9.917	5528.865	21.404	0.000	20.711	0.000	8.465	0.000	0.000	21.782	20.358	129.377	MWD+IFR1+MS
5700.000	13.870	9.917	5625.947	21.774	0.000	21.089	0.000	8.663	0.000	0.000	22.145	20.734	129.620	MWD+IFR1+MS
5800.000	13.870	9.917	5723.030	22.144	0.000	21.467	0.000	8.863	0.000	0.000	22.508	21.109	129.905	MWD+IFR1+MS
5900.000	13.870	9.917	5820.112	22.516	0.000	21.847	0.000	9.066	0.000	0.000	22.874	21.486	130.185	MWD+IFR1+MS
6000.000	13.870	9.917	5917.194	22.887	0.000	22.226	0.000	9.271	0.000	0.000	23.239	21.862	130.461	MWD+IFR1+MS
6100.000	13.870	9.917	6014.276	23.261	0.000	22.605	0.000	9.479	0.000	0.000	23.606	22.239	130.687	MWD+IFR1+MS
6200.000	13.870	9.917	6111.358	23.633	0.000	22.984	0.000	9.690	0.000	0.000	23.972	22.615	130.954	MWD+IFR1+MS
6300.000	13.870	9.917	6208.441	24.009	0.000	23.363	0.000	9.903	0.000	0.000	24.340	22.993	131.171	MWD+IFR1+MS
6400.000	13.870	9.917	6305.523	24.384	0.000	23.743	0.000	10.114	0.000	0.000	24.709	23.370	131.386	MWD+IFR1+MS
6500.000	13.870	9.917	6402.605	24.759	0.000	24.122	0.000	10.334	0.000	0.000	25.077	23.747	131.640	MWD+IFR1+MS
6600.000	13.870	9.917	6499.687	25.136	0.000	24.502	0.000	10.555	0.000	0.000	25.447	24.125	131.846	MWD+IFR1+MS
6700.000	13.870	9.917	6596.770	25.513	0.000	24.883	0.000	10.780	0.000	0.000	25.818	24.504	132.050	MWD+IFR1+MS
6800.000	13.870	9.917	6693.852	25.891	0.000	25.263	0.000	11.005	0.000	0.000	26.189	24.882	132.249	MWD+IFR1+MS
6900.000	13.870	9.917	6790.934	26.270	0.000	25.644	0.000	11.234	0.000	0.000	26.561	25.261	132.445	MWD+IFR1+MS
7000.000	13.870	9.917	6888.016	26.649	0.000	26.024	0.000	11.463	0.000	0.000	26.933	25.640	132.638	MWD+IFR1+MS
7100.000	13.870	9.917	6985.098	27.028	0.000	26.405	0.000	11.696	0.000	0.000	27.306	26.019	132.826	MWD+IFR1+MS
7200.000	13.870	9.917	7082.181	27.408	0.000	26.787	0.000	11.933	0.000	0.000	27.679	26.399	133.012	MWD+IFR1+MS

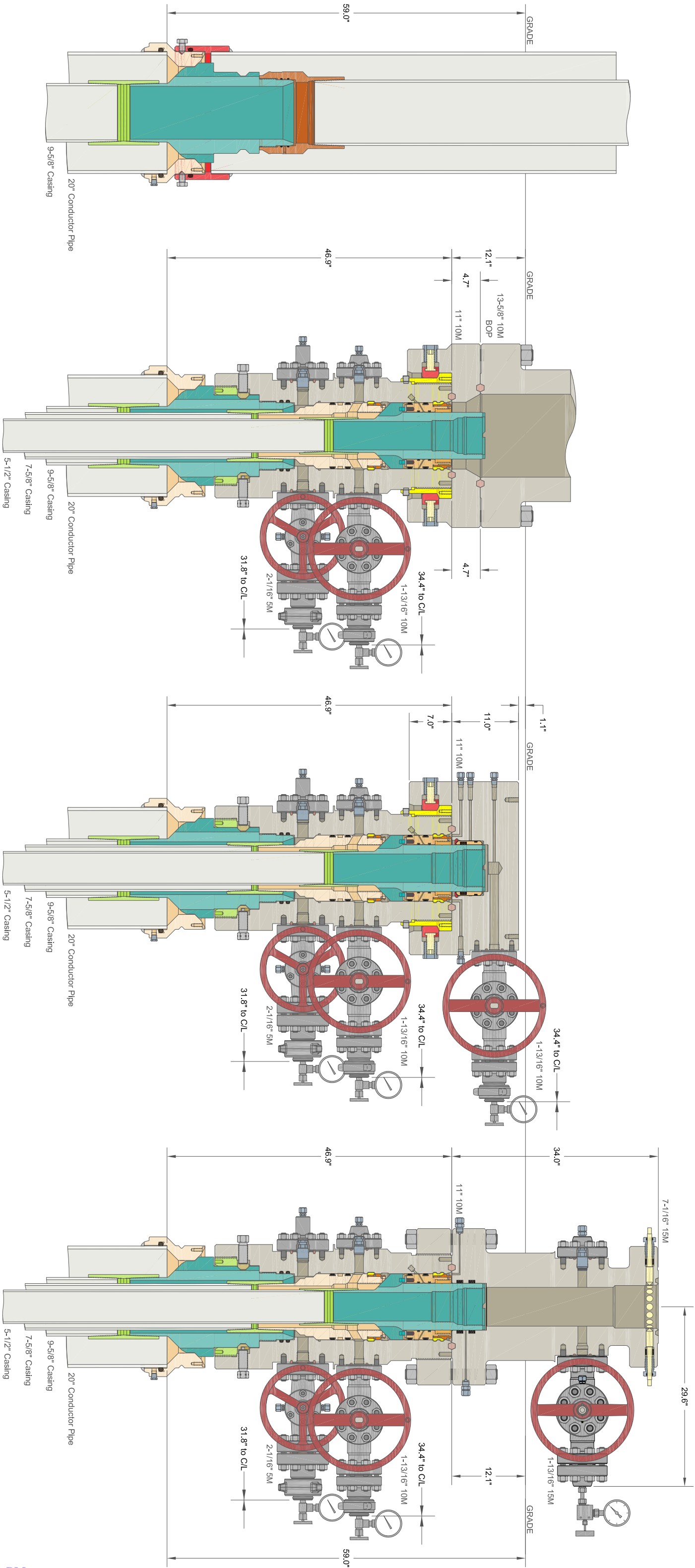
7300.000	13.870	9.917	7179.263	27.788	0.000	27.168	0.000	12.170	0.000	0.000	28.052	26.778	133.195	MWD+IFR1+MS
7400.000	13.870	9.917	7276.345	28.168	0.000	27.550	0.000	12.410	0.000	0.000	28.426	27.158	133.374	MWD+IFR1+MS
7500.000	13.870	9.917	7373.427	28.549	0.000	27.931	0.000	12.653	0.000	0.000	28.801	27.538	133.550	MWD+IFR1+MS
7600.000	13.870	9.917	7470.509	28.930	0.000	28.313	0.000	12.900	0.000	0.000	29.175	27.918	133.723	MWD+IFR1+MS
7700.000	13.870	9.917	7567.592	29.314	0.000	28.695	0.000	13.149	0.000	0.000	29.551	28.299	133.853	MWD+IFR1+MS
7800.000	13.870	9.917	7664.674	29.695	0.000	29.077	0.000	13.398	0.000	0.000	29.927	28.679	134.021	MWD+IFR1+MS
7900.000	13.870	9.917	7761.756	30.078	0.000	29.459	0.000	13.653	0.000	0.000	30.304	29.060	134.146	MWD+IFR1+MS
8000.000	13.870	9.917	7858.838	30.461	0.000	29.840	0.000	13.907	0.000	0.000	30.679	29.440	134.269	MWD+IFR1+MS
8100.000	13.870	9.917	7955.920	30.845	0.000	30.222	0.000	14.167	0.000	0.000	31.056	29.821	134.390	MWD+IFR1+MS
8200.000	13.870	9.917	8053.003	31.228	0.000	30.605	0.000	14.426	0.000	0.000	31.433	30.202	134.547	MWD+IFR1+MS
8300.000	13.870	9.917	8150.085	31.612	0.000	30.988	0.000	14.690	0.000	0.000	31.811	30.584	134.663	MWD+IFR1+MS
8400.000	13.870	9.917	8247.167	31.997	0.000	31.370	0.000	14.957	0.000	0.000	32.189	30.965	134.778	MWD+IFR1+MS
8500.000	13.870	9.917	8344.249	32.370	0.000	31.745	0.000	15.225	0.000	0.000	32.558	31.337	135.000	MWD+IFR1+MS
8600.000	13.870	9.917	8441.331	32.765	0.000	32.135	0.000	15.495	0.000	0.000	32.945	31.728	135.000	MWD+IFR1+MS
8700.000	13.870	9.917	8538.414	33.142	0.000	32.504	0.000	15.770	0.000	0.000	33.312	32.098	135.000	MWD+IFR1+MS
8800.000	13.870	9.917	8635.496	33.530	0.000	32.899	0.000	16.044	0.000	0.000	33.698	32.487	-44.643	MWD+IFR1+MS
8900.000	13.870	9.917	8732.578	33.912	0.000	33.275	0.000	16.325	0.000	0.000	34.073	32.864	-44.646	MWD+IFR1+MS
9000.000	13.870	9.917	8829.660	34.305	0.000	33.662	0.000	16.604	0.000	0.000	34.457	33.252	-44.649	MWD+IFR1+MS
9100.000	13.870	9.917	8926.742	34.693	0.000	34.044	0.000	16.888	0.000	0.000	34.838	33.635	-44.652	MWD+IFR1+MS
9200.000	13.870	9.917	9023.825	35.078	0.000	34.422	0.000	17.176	0.000	0.000	35.214	34.014	-44.655	MWD+IFR1+MS
9300.000	13.870	9.917	9120.907	35.458	0.000	34.810	0.000	17.464	0.000	0.000	35.594	34.396	-44.317	MWD+IFR1+MS
9400.000	13.870	9.917	9217.989	35.848	0.000	35.194	0.000	17.754	0.000	0.000	35.976	34.781	-44.323	MWD+IFR1+MS
9500.000	13.870	9.917	9315.071	36.235	0.000	35.573	0.000	18.050	0.000	0.000	36.355	35.161	-44.329	MWD+IFR1+MS
9600.000	13.870	9.917	9412.153	36.630	0.000	35.963	0.000	18.347	0.000	0.000	36.743	35.552	-44.335	MWD+IFR1+MS
9700.000	13.870	9.917	9509.236	37.008	0.000	36.348	0.000	18.644	0.000	0.000	37.121	35.931	-44.011	MWD+IFR1+MS
9800.000	13.870	9.917	9606.318	37.397	0.000	36.729	0.000	18.947	0.000	0.000	37.501	36.313	-44.020	MWD+IFR1+MS
9900.000	13.870	9.917	9703.400	37.792	0.000	37.107	0.000	19.251	0.000	0.000	37.884	36.698	-44.352	MWD+IFR1+MS
10000.000	13.870	9.917	9800.482	38.173	0.000	37.494	0.000	19.558	0.000	0.000	38.264	37.079	-44.037	MWD+IFR1+MS
10100.000	13.870	9.917	9897.564	38.562	0.000	37.877	0.000	19.867	0.000	0.000	38.646	37.463	-44.045	MWD+IFR1+MS
10163.000	13.870	9.917	9958.727	38.813	0.000	38.113	0.000	20.065	0.000	0.000	38.886	37.708	-44.365	MWD+IFR1+MS
10200.000	14.650	21.520	9994.593	39.089	0.000	38.061	0.000	20.179	0.000	0.000	39.029	37.852	-43.733	MWD+IFR1+MS
10300.000	18.990	45.080	10090.398	39.300	0.000	38.675	0.000	20.511	0.000	0.000	39.632	38.592	-28.632	MWD+IFR1+MS
10400.000	25.140	58.840	10183.086	39.311	0.000	39.613	0.000	20.948	0.000	0.000	40.849	39.285	-4.153	MWD+IFR1+MS
10500.000	32.080	67.220	10270.851	39.068	0.000	40.160	0.000	21.559	0.000	0.000	42.079	39.691	3.179	MWD+IFR1+MS
10600.000	39.390	72.830	10351.985	38.455	0.000	40.538	0.000	22.374	0.000	0.000	43.127	40.038	6.147	MWD+IFR1+MS
10700.000	46.890	76.900	10424.909	37.475	0.000	40.837	0.000	23.394	0.000	0.000	43.965	40.349	8.040	MWD+IFR1+MS
10800.000	54.510	80.060	10488.204	36.223	0.000	41.094	0.000	24.607	0.000	0.000	44.626	40.626	9.610	MWD+IFR1+MS
10900.000	62.190	82.690	10540.637	34.829	0.000	41.315	0.000	25.973	0.000	0.000	45.107	40.870	11.156	MWD+IFR1+MS
11000.000	69.920	84.950	10581.189	33.459	0.000	41.507	0.000	27.448	0.000	0.000	45.446	41.082	12.721	MWD+IFR1+MS
11100.000	77.670	87.020	10609.070	32.309	0.000	41.682	0.000	28.984	0.000	0.000	45.647	41.272	14.431	MWD+IFR1+MS
11200.000	85.440	88.950	10623.736	31.578	0.000	41.819	0.000	30.527	0.000	0.000	45.771	41.424	16.065	MWD+IFR1+MS
11248.000	89.230	89.880	10626.000	30.962	0.000	41.862	0.000	30.799	0.000	0.000	45.809	41.479	16.769	MWD+IFR1+MS
11300.000	89.230	89.880	10626.680	31.089	0.000	41.934	0.000	30.927	0.000	0.000	45.847	41.521	17.446	MWD+IFR1+MS
11400.000	89.230	89.880	10628.010	31.309	0.000	42.089	0.000	31.148	0.000	0.000	45.916	41.614	18.843	MWD+IFR1+MS
11500.000	89.230	89.880	10629.339	31.551	0.000	42.255	0.000	31.391	0.000	0.000	45.991	41.711	20.296	MWD+IFR1+MS
11600.000	89.230	89.880	10630.668	31.797	0.000	42.445	0.000	31.639	0.000	0.000	46.084	41.824	21.818	MWD+IFR1+MS
11700.000	89.230	89.880	10631.997	32.079	0.000	42.645	0.000	31.922	0.000	0.000	46.174	41.940	23.445	MWD+IFR1+MS
11800.000	89.230	89.880	10633.326	32.374	0.000	42.867	0.000	32.218	0.000	0.000	46.285	42.068	25.146	MWD+IFR1+MS
11900.000	89.230	89.880	10634.656	32.681	0.000	43.100	0.000	32.527	0.000	0.000	46.395	42.196	26.963	MWD+IFR1+MS
12000.000	89.230	89.880	10635.985	33.001	0.000	43.344	0.000	32.848	0.000	0.000	46.524	42.326	28.786	MWD+IFR1+MS
12100.000	89.230	89.880	10637.314	33.332	0.000	43.597	0.000	33.181	0.000	0.000	46.663	42.457	30.651	MWD+IFR1+MS
12200.000	89.230	89.880	10638.643	33.691	0.000	43.872	0.000	33.541	0.000	0.000	46.809	42.590	32.703	MWD+IFR1+MS
12300.000	89.230	89.880	10639.972	34.060	0.000	44.156	0.000	33.912	0.000	0.000	46.975	42.724	34.713	MWD+IFR1+MS

12400.000	89.230	89.880	10641.302	34.439	0.000	44.461	0.000	34.293	0.000	0.000	47.159	42.861	36.818	MWD+IFR1+MS
12500.000	89.230	89.880	10642.631	34.843	0.000	44.775	0.000	34.699	0.000	0.000	47.363	42.997	38.852	MWD+IFR1+MS
12600.000	89.230	89.880	10643.960	35.243	0.000	45.098	0.000	35.100	0.000	0.000	47.573	43.125	40.939	MWD+IFR1+MS
12700.000	89.230	89.880	10645.289	35.666	0.000	45.430	0.000	35.525	0.000	0.000	47.800	43.246	42.995	MWD+IFR1+MS
12800.000	89.230	89.880	10646.618	36.098	0.000	45.781	0.000	35.958	0.000	0.000	48.046	43.366	45.067	MWD+IFR1+MS
12900.000	89.230	89.880	10647.948	36.552	0.000	46.140	0.000	36.414	0.000	0.000	48.312	43.485	47.006	MWD+IFR1+MS
13000.000	89.230	89.880	10649.277	37.001	0.000	46.518	0.000	36.865	0.000	0.000	48.593	43.598	48.995	MWD+IFR1+MS
13100.000	89.230	89.880	10650.606	37.471	0.000	46.904	0.000	37.336	0.000	0.000	48.893	43.709	50.828	MWD+IFR1+MS
13200.000	89.230	89.880	10651.935	37.948	0.000	47.297	0.000	37.815	0.000	0.000	49.204	43.806	52.622	MWD+IFR1+MS
13300.000	89.230	89.880	10653.264	38.433	0.000	47.697	0.000	38.301	0.000	0.000	49.532	43.904	54.259	MWD+IFR1+MS
13400.000	89.230	89.880	10654.594	38.937	0.000	48.115	0.000	38.807	0.000	0.000	49.879	44.001	55.847	MWD+IFR1+MS
13500.000	89.230	89.880	10655.923	39.447	0.000	48.540	0.000	39.319	0.000	0.000	50.238	44.092	57.336	MWD+IFR1+MS
13600.000	89.230	89.880	10657.252	39.964	0.000	48.981	0.000	39.837	0.000	0.000	50.617	44.181	58.766	MWD+IFR1+MS
13700.000	89.230	89.880	10658.581	40.486	0.000	49.418	0.000	40.361	0.000	0.000	50.999	44.262	60.056	MWD+IFR1+MS
13800.000	89.230	89.880	10659.910	41.013	0.000	49.872	0.000	40.890	0.000	0.000	51.399	44.341	61.295	MWD+IFR1+MS
13900.000	89.230	89.880	10661.240	41.558	0.000	50.341	0.000	41.437	0.000	0.000	51.817	44.418	62.479	MWD+IFR1+MS
14000.000	89.230	89.880	10662.569	42.108	0.000	50.816	0.000	41.988	0.000	0.000	52.247	44.500	63.547	MWD+IFR1+MS
14100.000	89.230	89.880	10663.898	42.663	0.000	51.296	0.000	42.544	0.000	0.000	52.683	44.570	64.568	MWD+IFR1+MS
14200.000	89.230	89.880	10665.227	43.222	0.000	51.781	0.000	43.105	0.000	0.000	53.128	44.637	65.517	MWD+IFR1+MS
14300.000	89.230	89.880	10666.556	43.796	0.000	52.281	0.000	43.681	0.000	0.000	53.590	44.711	66.400	MWD+IFR1+MS
14400.000	89.230	89.880	10667.886	44.375	0.000	52.786	0.000	44.261	0.000	0.000	54.060	44.783	67.217	MWD+IFR1+MS
14500.000	89.230	89.880	10669.215	44.957	0.000	53.305	0.000	44.844	0.000	0.000	54.543	44.844	68.025	MWD+IFR1+MS
14600.000	89.230	89.880	10670.544	45.543	0.000	53.818	0.000	45.431	0.000	0.000	55.027	44.912	68.739	MWD+IFR1+MS
14700.000	89.230	89.880	10671.873	46.143	0.000	54.355	0.000	46.033	0.000	0.000	55.532	44.980	69.442	MWD+IFR1+MS
14800.000	89.230	89.880	10673.202	46.735	0.000	54.886	0.000	46.626	0.000	0.000	56.035	45.045	70.082	MWD+IFR1+MS
14900.000	89.230	89.880	10674.532	47.341	0.000	55.430	0.000	47.233	0.000	0.000	56.552	45.109	70.693	MWD+IFR1+MS
15000.000	89.230	89.880	10675.861	47.960	0.000	55.978	0.000	47.854	0.000	0.000	57.074	45.172	71.269	MWD+IFR1+MS
15100.000	89.230	89.880	10677.190	48.571	0.000	56.529	0.000	48.466	0.000	0.000	57.602	45.233	71.810	MWD+IFR1+MS
15200.000	89.230	89.880	10678.519	49.195	0.000	57.093	0.000	49.092	0.000	0.000	58.141	45.294	72.331	MWD+IFR1+MS
15300.000	89.230	89.880	10679.848	49.822	0.000	57.660	0.000	49.719	0.000	0.000	58.687	45.364	72.805	MWD+IFR1+MS
15400.000	89.230	89.880	10681.178	50.450	0.000	58.238	0.000	50.349	0.000	0.000	59.243	45.423	73.278	MWD+IFR1+MS
15500.000	89.230	89.880	10682.507	51.080	0.000	58.811	0.000	50.980	0.000	0.000	59.797	45.490	73.699	MWD+IFR1+MS
15600.000	89.230	89.880	10683.836	51.722	0.000	59.403	0.000	51.624	0.000	0.000	60.369	45.548	74.130	MWD+IFR1+MS
15700.000	89.230	89.880	10685.165	52.357	0.000	59.990	0.000	52.259	0.000	0.000	60.937	45.614	74.518	MWD+IFR1+MS
15800.000	89.230	89.880	10686.494	53.012	0.000	60.587	0.000	52.915	0.000	0.000	61.517	45.680	74.891	MWD+IFR1+MS
15900.000	89.230	89.880	10687.824	53.658	0.000	61.187	0.000	53.563	0.000	0.000	62.100	45.745	75.248	MWD+IFR1+MS
16000.000	89.230	89.880	10689.153	54.307	0.000	61.789	0.000	54.213	0.000	0.000	62.685	45.799	75.591	MWD+IFR1+MS
16100.000	89.230	89.880	10690.482	54.966	0.000	62.401	0.000	54.873	0.000	0.000	63.281	45.864	75.919	MWD+IFR1+MS
16200.000	89.230	89.880	10691.811	55.626	0.000	63.015	0.000	55.534	0.000	0.000	63.881	45.937	76.222	MWD+IFR1+MS
16300.000	89.230	89.880	10693.140	56.287	0.000	63.639	0.000	56.196	0.000	0.000	64.490	46.000	76.523	MWD+IFR1+MS
16400.000	89.230	89.880	10694.470	56.959	0.000	64.257	0.000	56.868	0.000	0.000	65.094	46.063	76.806	MWD+IFR1+MS
16500.000	89.230	89.880	10695.799	57.622	0.000	64.884	0.000	57.533	0.000	0.000	65.708	46.125	77.079	MWD+IFR1+MS
16600.000	89.230	89.880	10697.128	58.295	0.000	65.521	0.000	58.207	0.000	0.000	66.331	46.197	77.340	MWD+IFR1+MS
16700.000	89.230	89.880	10698.457	58.969	0.000	66.159	0.000	58.881	0.000	0.000	66.956	46.259	77.596	MWD+IFR1+MS
16800.000	89.230	89.880	10699.786	59.652	0.000	66.799	0.000	59.565	0.000	0.000	67.584	46.330	77.833	MWD+IFR1+MS
16900.000	89.230	89.880	10701.116	60.327	0.000	67.440	0.000	60.241	0.000	0.000	68.213	46.390	78.065	MWD+IFR1+MS
17000.000	89.230	89.880	10702.445	61.011	0.000	68.089	0.000	60.926	0.000	0.000	68.850	46.461	78.289	MWD+IFR1+MS
17100.000	89.230	89.880	10703.774	61.696	0.000	68.740	0.000	61.612	0.000	0.000	69.490	46.531	78.502	MWD+IFR1+MS
17200.000	89.230	89.880	10705.103	62.389	0.000	69.392	0.000	62.306	0.000	0.000	70.131	46.601	78.706	MWD+IFR1+MS
17300.000	89.230	89.880	10706.432	63.074	0.000	70.052	0.000	62.992	0.000	0.000	70.780	46.671	78.906	MWD+IFR1+MS
17400.000	89.230	89.880	10707.762	63.768	0.000	70.713	0.000	63.687	0.000	0.000	71.431	46.740	79.097	MWD+IFR1+MS
17500.000	89.230	89.880	10709.091	64.462	0.000	71.374	0.000	64.382	0.000	0.000	72.083	46.809	79.282	MWD+IFR1+MS
17600.000	89.230	89.880	10710.420	65.157	0.000	72.044	0.000	65.077	0.000	0.000	72.743	46.878	79.462	MWD+IFR1+MS
17700.000	89.230	89.880	10711.749	65.859	0.000	72.714	0.000	65.780	0.000	0.000	73.403	46.946	79.636	MWD+IFR1+MS

17800.000	89.230	89.880	10713.078	66.554	0.000	73.392	0.000	66.476	0.000	0.000	74.072	47.025	79.804	MWD+IFR1+MS
17900.000	89.230	89.880	10714.408	67.256	0.000	74.064	0.000	67.179	0.000	0.000	74.734	47.093	79.965	MWD+IFR1+MS
18000.000	89.230	89.880	10715.737	67.959	0.000	74.742	0.000	67.882	0.000	0.000	75.405	47.171	80.119	MWD+IFR1+MS
18100.000	89.230	89.880	10717.066	68.669	0.000	75.429	0.000	68.593	0.000	0.000	76.082	47.238	80.274	MWD+IFR1+MS
18200.000	89.230	89.880	10718.395	69.372	0.000	76.115	0.000	69.296	0.000	0.000	76.761	47.316	80.420	MWD+IFR1+MS
18300.000	89.230	89.880	10719.724	70.082	0.000	76.802	0.000	70.007	0.000	0.000	77.439	47.394	80.562	MWD+IFR1+MS
18400.000	89.230	89.880	10721.054	70.792	0.000	77.489	0.000	70.718	0.000	0.000	78.119	47.471	80.699	MWD+IFR1+MS
18500.000	89.230	89.880	10722.383	71.509	0.000	78.183	0.000	71.435	0.000	0.000	78.805	47.548	80.834	MWD+IFR1+MS
18600.000	89.230	89.880	10723.712	72.219	0.000	78.877	0.000	72.146	0.000	0.000	79.492	47.624	80.964	MWD+IFR1+MS
18700.000	89.230	89.880	10725.041	72.935	0.000	79.572	0.000	72.863	0.000	0.000	80.179	47.701	81.090	MWD+IFR1+MS
18800.000	89.230	89.880	10726.370	73.652	0.000	80.273	0.000	73.580	0.000	0.000	80.873	47.777	81.213	MWD+IFR1+MS
18900.000	89.230	89.880	10727.700	74.368	0.000	80.973	0.000	74.297	0.000	0.000	81.566	47.853	81.333	MWD+IFR1+MS
19000.000	89.230	89.880	10729.029	75.090	0.000	81.675	0.000	75.020	0.000	0.000	82.261	47.939	81.447	MWD+IFR1+MS
19100.000	89.230	89.880	10730.358	75.806	0.000	82.382	0.000	75.736	0.000	0.000	82.961	48.015	81.562	MWD+IFR1+MS
19200.000	89.230	89.880	10731.687	76.528	0.000	83.089	0.000	76.459	0.000	0.000	83.662	48.100	81.670	MWD+IFR1+MS
19300.000	89.230	89.880	10733.016	77.250	0.000	83.796	0.000	77.182	0.000	0.000	84.363	48.176	81.777	MWD+IFR1+MS
19400.000	89.230	89.880	10734.346	77.978	0.000	84.509	0.000	77.910	0.000	0.000	85.070	48.261	81.882	MWD+IFR1+MS
19500.000	89.230	89.880	10735.675	78.700	0.000	85.223	0.000	78.632	0.000	0.000	85.777	48.346	81.982	MWD+IFR1+MS
19600.000	89.230	89.880	10737.004	79.427	0.000	85.936	0.000	79.360	0.000	0.000	86.484	48.431	82.081	MWD+IFR1+MS
19700.000	89.230	89.880	10738.333	80.154	0.000	86.654	0.000	80.087	0.000	0.000	87.197	48.515	82.177	MWD+IFR1+MS
19800.000	89.230	89.880	10739.662	80.887	0.000	87.373	0.000	80.821	0.000	0.000	87.909	48.600	82.271	MWD+IFR1+MS
19900.000	89.230	89.880	10740.992	81.613	0.000	88.097	0.000	81.548	0.000	0.000	88.628	48.684	82.363	MWD+IFR1+MS
20000.000	89.230	89.880	10742.321	82.345	0.000	88.815	0.000	82.280	0.000	0.000	89.340	48.768	82.453	MWD+IFR1+MS
20100.000	89.230	89.880	10743.650	83.077	0.000	89.538	0.000	83.012	0.000	0.000	90.058	48.852	82.540	MWD+IFR1+MS
20200.000	89.230	89.880	10744.979	83.808	0.000	90.267	0.000	83.744	0.000	0.000	90.782	48.946	82.626	MWD+IFR1+MS
20300.000	89.230	89.880	10746.309	84.544	0.000	90.990	0.000	84.481	0.000	0.000	91.499	49.029	82.708	MWD+IFR1+MS
20400.000	89.230	89.880	10747.638	85.275	0.000	91.718	0.000	85.212	0.000	0.000	92.222	49.123	82.789	MWD+IFR1+MS
20500.000	89.230	89.880	10748.967	86.010	0.000	92.451	0.000	85.948	0.000	0.000	92.951	49.206	82.870	MWD+IFR1+MS
20600.000	89.230	89.880	10750.296	86.751	0.000	93.178	0.000	86.689	0.000	0.000	93.673	49.298	82.946	MWD+IFR1+MS
20700.000	89.230	89.880	10751.625	87.486	0.000	93.911	0.000	87.424	0.000	0.000	94.401	49.391	83.022	MWD+IFR1+MS
20800.000	89.230	89.880	10752.955	88.226	0.000	94.648	0.000	88.165	0.000	0.000	95.133	49.484	83.097	MWD+IFR1+MS
20900.000	89.230	89.880	10754.284	88.960	0.000	95.380	0.000	88.899	0.000	0.000	95.861	49.576	83.169	MWD+IFR1+MS
21000.000	89.230	89.880	10755.613	89.704	0.000	96.116	0.000	89.644	0.000	0.000	96.592	49.668	83.240	MWD+IFR1+MS
21100.000	89.230	89.880	10756.942	90.443	0.000	96.857	0.000	90.383	0.000	0.000	97.329	49.760	83.310	MWD+IFR1+MS
21200.000	89.230	89.880	10758.271	91.181	0.000	97.593	0.000	91.121	0.000	0.000	98.060	49.852	83.378	MWD+IFR1+MS
21300.000	89.230	89.880	10759.601	91.924	0.000	98.333	0.000	91.864	0.000	0.000	98.796	49.943	83.445	MWD+IFR1+MS
21400.000	89.230	89.880	10760.930	92.666	0.000	99.078	0.000	92.607	0.000	0.000	99.537	50.044	83.510	MWD+IFR1+MS
21500.000	89.230	89.880	10762.259	93.413	0.000	99.817	0.000	93.354	0.000	0.000	100.272	50.135	83.574	MWD+IFR1+MS
21600.000	89.230	89.880	10763.588	94.154	0.000	100.516	0.000	94.096	0.000	0.000	100.968	50.235	83.629	MWD+IFR1+MS
21700.000	89.230	89.880	10764.917	94.900	0.000	101.309	0.000	94.842	0.000	0.000	101.756	50.327	83.698	MWD+IFR1+MS
21800.000	89.230	89.880	10766.247	95.645	0.000	102.047	0.000	95.588	0.000	0.000	102.490	50.427	83.757	MWD+IFR1+MS
21900.000	89.230	89.880	10767.576	96.390	0.000	102.779	0.000	96.333	0.000	0.000	103.219	50.526	83.814	MWD+IFR1+MS
22000.000	89.230	89.880	10768.905	97.134	0.000	103.507	0.000	97.077	0.000	0.000	103.942	50.626	83.868	MWD+IFR1+MS
22100.000	89.230	89.880	10770.234	97.883	0.000	104.277	0.000	97.826	0.000	0.000	104.708	50.726	83.929	MWD+IFR1+MS
22200.000	89.230	89.880	10771.563	98.631	0.000	105.041	0.000	98.575	0.000	0.000	105.469	50.826	83.986	MWD+IFR1+MS
22300.000	89.230	89.880	10772.893	99.379	0.000	105.800	0.000	99.323	0.000	0.000	106.224	50.925	84.042	MWD+IFR1+MS
22400.000	89.230	89.880	10774.222	100.106	0.000	106.507	0.000	100.050	0.000	0.000	106.928	51.023	84.090	MWD+IFR1+MS
22500.000	89.230	89.880	10775.551	100.852	0.000	107.302	0.000	100.797	0.000	0.000	107.719	51.123	84.149	MWD+IFR1+MS
22600.000	89.230	89.880	10776.880	101.593	0.000	108.045	0.000	101.538	0.000	0.000	108.459	51.231	84.199	MWD+IFR1+MS
22700.000	89.230	89.880	10778.209	102.378	0.000	108.783	0.000	102.323	0.000	0.000	109.194	51.329	84.247	MWD+IFR1+MS
22800.000	89.230	89.880	10779.539	103.108	0.000	109.562	0.000	103.053	0.000	0.000	109.969	51.437	84.300	MWD+IFR1+MS
22900.000	89.230	89.880	10780.868	103.833	0.000	110.290	0.000	103.779	0.000	0.000	110.694	51.535	84.346	MWD+IFR1+MS
23000.000	89.230	89.880	10782.197	104.601	0.000	111.058	0.000	104.547	0.000	0.000	111.459	51.642	84.395	MWD+IFR1+MS

23100.000	89.230	89.880	10783.526	105.363	0.000	111.821	0.000	105.309	0.000	0.000	112.218	51.749	84.442	MWD+IFR1+MS
23200.000	89.230	89.880	10784.855	106.119	0.000	112.579	0.000	106.066	0.000	0.000	112.973	51.856	84.489	MWD+IFR1+MS
23300.000	89.230	89.880	10786.185	106.871	0.000	113.331	0.000	106.818	0.000	0.000	113.723	51.953	84.534	MWD+IFR1+MS
23361.000	89.230	89.880	10787.000	107.338	0.000	113.816	0.000	107.285	0.000	0.000	114.205	52.022	84.564	MWD+IFR1+MS

Plan Targets		JRU DI11 Ekalaka 123H												
		Measured Depth	Grid Northing	Grid Easting	TVD MSL	Target Shape								
Target Name		(ft)	(ft)	(ft)	(ft)									
Kick Off Pt 3		10871.12	506966.20	633682.30	6731.80	CIRCLE								
FTP 3		12809.72	506966.20	634398.50	7448.00	RECTANGLE								
Rev 2 FTP 3		11336.93	508174.00	634100.00	7484.00	CIRCLE								
Rev 2 BHL 3		23361.35	508198.68	646123.34	7645.00	CIRCLE								
BHL 3		24587.41	506988.21	646128.58	7448.00	RECTANGLE								



CACTUS WELLHEAD LLC

ALL DIMENSION:
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

General Information
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 292260

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 292260
	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