

Well Name: JAMES RANCH UNIT DI 11 EKALAKA	Well Location: T22S / R30E / SEC 17 / NWSE /	County or Parish/State:
Well Number: 802H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0002953	Unit or CA Name: JAMES RANCH	Unit or CA Number: NMNM070965X
US Well Number: 3001549035	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2642443

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 11/02/2021	Time Sundry Submitted: 08:45
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 802H to James Ranch Unit DI 11 Ekalaka 922H Change BHL fr/2310'FSL & 50'FEL, Section 15-22S-30E to 1980'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_922H_NOI_Attachments_20211102084502.pdf

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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 09:05 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: JENNIFER SANCHEZ	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5756270237	BLM POC Email Address: j1sanchez@blm.gov
Disposition: Approved	Disposition Date: 11/03/2021
Signature: Jennifer Sanchez	

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-	² Pool Code 97905	³ Pool Name Wildcat G-07 S223021G; Bone Sprin
⁴ Property Code	⁵ Property Name JAMES RANCH UNIT DI 11 EKALAKA	⁶ Well Number 922H
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		2,335	SOUTH	2,396	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
H	15	22S	30E		1,980	NORTH	50	EAST	EDDY

¹² Dedicated Acres 400	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				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. <i>Stephanie Rabadue</i> 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:							
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 = 508,014.0 N , X = 673,968.0 E H - Y = 508,021.7 N , X = 676,641.2 E I - Y = 508,024.4 N , X = 679,325.1 E J - Y = 508,026.3 N , X = 682,010.0 E K - Y = 508,033.8 N , X = 684,684.3 E L - Y = 508,040.3 N , X = 687,357.0 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 = 507,953.1 N , X = 632,786.6 E H - Y = 507,960.9 N , X = 635,459.8 E I - Y = 507,963.6 N , X = 638,143.7 E J - Y = 507,965.5 N , X = 640,828.6 E K - Y = 507,973.0 N , X = 643,502.9 E L - Y = 507,979.6 N , X = 646,175.7 E			
SHL (NAD83 NME) Y = 506,392.2 X = 674,253.0 LAT. = 32.391405 °N LONG. = 103.902720 °W FTP (NAD83 NME) Y = 507,353.5 X = 674,104.4 LAT. = 32.394049 °N LONG. = 103.903189 °W				LTP (NAD83 NME) Y = 507,378.7 X = 687,260.3 LAT. = 32.393966 °N LONG. = 103.860566 °W BHL (NAD83 NME) Y = 507,378.8 X = 687,310.3 LAT. = 32.393966 °N LONG. = 103.860404 °W			
SHL (NAD27 NME) Y = 506,331.4 X = 633,071.6 LAT. = 32.391282 °N LONG. = 103.902224 °W FTP (NAD27 NME) Y = 507,292.7 X = 632,923.0 LAT. = 32.393926 °N LONG. = 103.902693 °W				LTP (NAD27 NME) Y = 507,318.0 X = 646,078.9 LAT. = 32.393843 °N LONG. = 103.860071 °W BHL (NAD27 NME) Y = 507,318.1 X = 646,128.9 LAT. = 32.393843 °N LONG. = 103.859909 °W			
Certificate Number				RM			
2021010012							

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

XTO Energy Inc.
James Ranch Unit DI 11 Ekalaka 922H
Projected TD: 22740' MD / 10612' TVD
SHL: 2335' FSL & 2396' FEL , Section 17, T22S, R30E
BHL: 1980' 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	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	10472'	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 9685' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 22740 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 9185 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	1.80	2.56	4.78
8.75	0' – 3395'	7.625	29.7	RY P-110	Flush Joint	New	3.59	3.52	1.94
8.75	3395' – 9685'	7.625	29.7	HC L-80	Flush Joint	New	2.61	3.74	2.17
6.75	0' – 9585'	5.5	23	RY P-110	Semi-Premium	New	1.21	3.24	2.10
6.75	9585' - 10250'	5.5	23	RY P-110	Semi-Flush	New	1.21	3.03	4.76
6.75	10250' - 22740'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.93	5.42

- 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 +/- 9685'

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: 340 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 +/- 22740'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 9185 feet
 Tail: 920 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 9885 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 9685'	8.75	FW / Cut Brine	8.6-9.1	30-32	NC
9685' to 22740'	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 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 922H

Measured Depth: 22740.00 ft Slot: JRU DI 11-B20
TVD RKB: 10612.00 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 506330.93 ft
Easting: 633072.12 ft
RKB: 3132.00 ft
Ground Level: 3102.00 ft
North Reference: Grid
Convergence Angle: 0.23 Deg

Plan Sections JRU DI11 Ekalaka 922H									
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	
3895.82	13.92	32.32	3888.99	71.06	44.95	2.00	0.00	2.00	
7936.43	13.92	32.32	7811.01	892.34	564.45	0.00	0.00	0.00	
8632.24	0.00	0.00	8500.00	963.40	609.40	-2.00	0.00	2.00	
9885.24	0.00	0.00	9753.00	963.40	609.40	0.00	0.00	0.00	
11010.24	90.00	90.00	10469.20	963.40	1325.60	8.00	0.00	8.00	Rev 2 FTP 12
22740.97	88.60	89.76	10612.00	988.06	13055.14	-0.01	-0.00	0.01	Rev 2 BHL 12

Position Uncertainty JRU DI11 Ekalaka 922H														
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	32.310	3299.980	12.793	0.000	11.878	0.000	4.656	0.000	0.000	12.848	11.825	-44.886	MWD+IFR1+MS
3400.000	4.000	32.310	3399.838	13.309	0.000	12.250	0.000	4.782	0.000	0.000	13.396	12.184	-44.538	MWD+IFR1+MS
3500.000	6.000	32.310	3499.452	13.796	0.000	12.615	0.000	4.912	0.000	0.000	13.926	12.537	-44.298	MWD+IFR1+MS
3600.000	7.999	32.310	3598.702	14.261	0.000	12.983	0.000	5.048	0.000	0.000	14.446	12.893	-44.123	MWD+IFR1+MS
3700.000	10.000	32.310	3697.465	14.700	0.000	13.349	0.000	5.188	0.000	0.000	14.951	13.246	-43.927	MWD+IFR1+MS
3800.000	11.990	32.310	3795.623	15.117	0.000	13.713	0.000	5.337	0.000	0.000	15.445	13.600	-43.770	MWD+IFR1+MS
3895.800	13.910	32.310	3888.995	15.482	0.000	14.061	0.000	5.485	0.000	0.000	15.894	13.938	-43.674	MWD+IFR1+MS
3900.000	13.910	32.310	3893.056	15.495	0.000	14.077	0.000	5.487	0.000	0.000	15.909	13.954	-43.625	MWD+IFR1+MS
4000.000	13.910	32.310	3990.121	15.811	0.000	14.431	0.000	5.628	0.000	0.000	16.216	14.308	-43.474	MWD+IFR1+MS
4100.000	13.910	32.310	4087.186	16.139	0.000	14.797	0.000	5.776	0.000	0.000	16.540	14.670	-43.035	MWD+IFR1+MS
4200.000	13.910	32.310	4184.251	16.472	0.000	15.166	0.000	5.926	0.000	0.000	16.868	15.035	-42.646	MWD+IFR1+MS
4300.000	13.910	32.310	4281.315	16.805	0.000	15.532	0.000	6.080	0.000	0.000	17.196	15.398	-42.259	MWD+IFR1+MS
4400.000	13.910	32.310	4378.380	17.142	0.000	15.901	0.000	6.238	0.000	0.000	17.528	15.763	-41.826	MWD+IFR1+MS
4500.000	13.910	32.310	4475.445	17.481	0.000	16.271	0.000	6.398	0.000	0.000	17.863	16.128	-41.395	MWD+IFR1+MS
4600.000	13.910	32.310	4572.510	17.824	0.000	16.641	0.000	6.562	0.000	0.000	18.199	16.495	-41.064	MWD+IFR1+MS
4700.000	13.910	32.310	4669.575	18.167	0.000	17.013	0.000	6.729	0.000	0.000	18.538	16.862	-40.639	MWD+IFR1+MS
4800.000	13.910	32.310	4766.639	18.514	0.000	17.385	0.000	6.899	0.000	0.000	18.880	17.230	-40.218	MWD+IFR1+MS
4900.000	13.910	32.310	4863.704	18.861	0.000	17.756	0.000	7.072	0.000	0.000	19.221	17.597	-39.847	MWD+IFR1+MS
5000.000	13.910	32.310	4960.769	19.212	0.000	18.130	0.000	7.248	0.000	0.000	19.567	17.967	-39.480	MWD+IFR1+MS
5100.000	13.910	32.310	5057.834	19.564	0.000	18.504	0.000	7.427	0.000	0.000	19.914	18.337	-39.069	MWD+IFR1+MS
5200.000	13.910	32.310	5154.899	19.917	0.000	18.876	0.000	7.609	0.000	0.000	20.261	18.706	-38.709	MWD+IFR1+MS
5300.000	13.910	32.310	5251.964	20.272	0.000	19.251	0.000	7.794	0.000	0.000	20.611	19.076	-38.306	MWD+IFR1+MS
5400.000	13.910	32.310	5349.028	20.629	0.000	19.626	0.000	7.981	0.000	0.000	20.962	19.447	-37.909	MWD+IFR1+MS
5500.000	13.910	32.310	5446.093	20.987	0.000	20.001	0.000	8.171	0.000	0.000	21.314	19.819	-37.605	MWD+IFR1+MS
5600.000	13.910	32.310	5543.158	21.347	0.000	20.378	0.000	8.364	0.000	0.000	21.669	20.191	-37.216	MWD+IFR1+MS
5700.000	13.910	32.310	5640.223	21.707	0.000	20.754	0.000	8.560	0.000	0.000	22.024	20.563	-36.834	MWD+IFR1+MS
5800.000	13.910	32.310	5737.288	22.069	0.000	21.129	0.000	8.758	0.000	0.000	22.379	20.935	-36.498	MWD+IFR1+MS
5900.000	13.910	32.310	5834.352	22.432	0.000	21.506	0.000	8.960	0.000	0.000	22.737	21.308	-36.125	MWD+IFR1+MS
6000.000	13.910	32.310	5931.417	22.797	0.000	21.884	0.000	9.164	0.000	0.000	23.097	21.682	-35.800	MWD+IFR1+MS
6100.000	13.910	32.310	6028.482	23.162	0.000	22.260	0.000	9.370	0.000	0.000	23.456	22.055	-35.481	MWD+IFR1+MS
6200.000	13.910	32.310	6125.547	23.528	0.000	22.639	0.000	9.579	0.000	0.000	23.817	22.429	-35.122	MWD+IFR1+MS
6300.000	13.910	32.310	6222.612	23.896	0.000	23.017	0.000	9.791	0.000	0.000	24.179	22.803	-34.771	MWD+IFR1+MS
6400.000	13.910	32.310	6319.676	24.265	0.000	23.396	0.000	10.005	0.000	0.000	24.543	23.179	-34.469	MWD+IFR1+MS
6500.000	13.910	32.310	6416.741	24.634	0.000	23.773	0.000	10.223	0.000	0.000	24.905	23.553	-34.167	MWD+IFR1+MS
6600.000	13.910	32.310	6513.806	25.003	0.000	24.152	0.000	10.440	0.000	0.000	25.270	23.927	-33.834	MWD+IFR1+MS
6700.000	13.910	32.310	6610.871	25.375	0.000	24.532	0.000	10.663	0.000	0.000	25.636	24.304	-33.548	MWD+IFR1+MS
6800.000	13.910	32.310	6707.936	25.747	0.000	24.911	0.000	10.886	0.000	0.000	26.003	24.679	-33.223	MWD+IFR1+MS
6900.000	13.910	32.310	6805.000	26.119	0.000	25.291	0.000	11.113	0.000	0.000	26.370	25.055	-32.908	MWD+IFR1+MS
7000.000	13.910	32.310	6902.065	26.492	0.000	25.670	0.000	11.345	0.000	0.000	26.737	25.431	-32.677	MWD+IFR1+MS

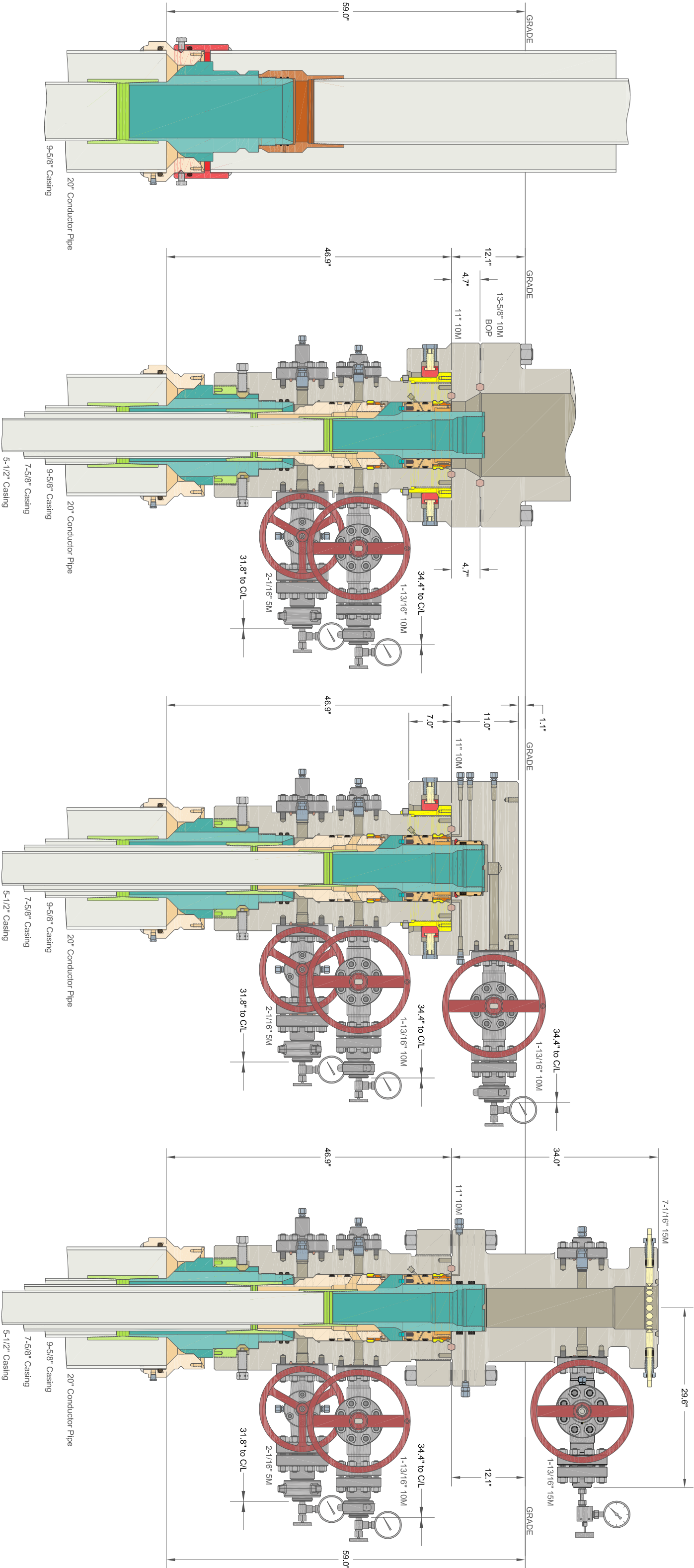
7100.000	13.910	32.310	6999.130	26.866	0.000	26.049	0.000	11.576	0.000	0.000	27.105	25.807	-32.371	MWD+IFR1+MS
7200.000	13.910	32.310	7096.195	27.240	0.000	26.430	0.000	11.811	0.000	0.000	27.474	26.183	-32.073	MWD+IFR1+MS
7300.000	13.910	32.310	7193.260	27.616	0.000	26.810	0.000	12.050	0.000	0.000	27.844	26.561	-31.820	MWD+IFR1+MS
7400.000	13.910	32.310	7290.325	27.991	0.000	27.190	0.000	12.292	0.000	0.000	28.215	26.938	-31.536	MWD+IFR1+MS
7500.000	13.910	32.310	7387.389	28.368	0.000	27.571	0.000	12.534	0.000	0.000	28.586	27.316	-31.292	MWD+IFR1+MS
7600.000	13.910	32.310	7484.454	28.744	0.000	27.952	0.000	12.779	0.000	0.000	28.957	27.692	-31.020	MWD+IFR1+MS
7700.000	13.910	32.310	7581.519	29.122	0.000	28.333	0.000	13.027	0.000	0.000	29.330	28.071	-30.788	MWD+IFR1+MS
7800.000	13.910	32.310	7678.584	29.501	0.000	28.714	0.000	13.278	0.000	0.000	29.703	28.449	-30.564	MWD+IFR1+MS
7900.000	13.910	32.310	7775.649	29.878	0.000	29.095	0.000	13.531	0.000	0.000	30.076	28.826	-30.310	MWD+IFR1+MS
7936.400	13.910	32.310	7811.005	30.014	0.000	29.232	0.000	13.624	0.000	0.000	30.208	28.963	-30.280	MWD+IFR1+MS
8000.000	12.640	32.310	7872.878	30.309	0.000	29.470	0.000	13.788	0.000	0.000	30.443	29.203	-30.270	MWD+IFR1+MS
8100.000	10.640	32.310	7970.814	30.795	0.000	29.845	0.000	14.050	0.000	0.000	30.860	29.579	-30.850	MWD+IFR1+MS
8200.000	8.644	32.310	8069.396	31.274	0.000	30.219	0.000	14.311	0.000	0.000	31.303	29.953	-31.594	MWD+IFR1+MS
8300.000	6.644	32.310	8168.502	31.712	0.000	30.589	0.000	14.571	0.000	0.000	31.741	30.322	-32.250	MWD+IFR1+MS
8400.000	4.644	32.310	8268.012	32.110	0.000	30.947	0.000	14.829	0.000	0.000	32.166	30.684	-33.030	MWD+IFR1+MS
8500.000	2.644	32.310	8367.805	32.469	0.000	31.306	0.000	15.083	0.000	0.000	32.590	31.042	-33.560	MWD+IFR1+MS
8600.000	0.645	32.310	8467.758	32.789	0.000	31.660	0.000	15.339	0.000	0.000	33.007	31.393	-33.976	MWD+IFR1+MS
8632.200	0.000	0.000	8500.000	32.016	0.000	32.619	0.000	15.421	0.000	0.000	33.114	31.504	-33.991	MWD+IFR1+MS
8700.000	0.000	0.000	8567.758	32.249	0.000	32.848	0.000	15.595	0.000	0.000	33.339	31.741	-33.987	MWD+IFR1+MS
8800.000	0.000	0.000	8667.758	32.588	0.000	33.181	0.000	15.852	0.000	0.000	33.669	32.084	-34.009	MWD+IFR1+MS
8900.000	0.000	0.000	8767.758	32.924	0.000	33.526	0.000	16.115	0.000	0.000	34.007	32.427	-33.799	MWD+IFR1+MS
9000.000	0.000	0.000	8867.758	33.272	0.000	33.867	0.000	16.380	0.000	0.000	34.347	32.777	-33.845	MWD+IFR1+MS
9100.000	0.000	0.000	8967.758	33.615	0.000	34.205	0.000	16.646	0.000	0.000	34.683	33.123	-33.888	MWD+IFR1+MS
9200.000	0.000	0.000	9067.758	33.956	0.000	34.540	0.000	16.917	0.000	0.000	35.015	33.465	-33.933	MWD+IFR1+MS
9300.000	0.000	0.000	9167.758	34.293	0.000	34.886	0.000	17.193	0.000	0.000	35.355	33.809	-33.727	MWD+IFR1+MS
9400.000	0.000	0.000	9267.758	34.641	0.000	35.228	0.000	17.470	0.000	0.000	35.695	34.159	-33.770	MWD+IFR1+MS
9500.000	0.000	0.000	9367.758	34.986	0.000	35.567	0.000	17.751	0.000	0.000	36.033	34.506	-33.815	MWD+IFR1+MS
9600.000	0.000	0.000	9467.758	35.327	0.000	35.917	0.000	18.033	0.000	0.000	36.376	34.853	-33.613	MWD+IFR1+MS
9700.000	0.000	0.000	9567.758	35.665	0.000	36.249	0.000	18.322	0.000	0.000	36.708	35.193	-33.658	MWD+IFR1+MS
9800.000	0.000	0.000	9667.758	36.014	0.000	36.592	0.000	18.612	0.000	0.000	37.049	35.544	-33.700	MWD+IFR1+MS
9885.200	0.000	0.000	9753.000	36.304	0.000	36.892	0.000	18.860	0.000	0.000	37.342	35.841	-33.479	MWD+IFR1+MS
9900.000	1.180	90.000	9767.757	36.965	0.000	36.359	0.000	18.905	0.000	0.000	37.386	35.892	-33.718	MWD+IFR1+MS
10000.000	9.180	90.000	9867.268	37.598	0.000	36.688	0.000	19.217	0.000	0.000	37.971	36.349	-26.958	MWD+IFR1+MS
10100.000	17.180	90.000	9964.554	38.446	0.000	37.027	0.000	19.627	0.000	0.000	39.186	36.871	-14.818	MWD+IFR1+MS
10200.000	25.180	90.000	10057.723	38.760	0.000	37.376	0.000	20.197	0.000	0.000	40.390	37.291	-9.375	MWD+IFR1+MS
10300.000	33.180	90.000	10144.961	38.549	0.000	37.696	0.000	20.967	0.000	0.000	41.448	37.644	-6.574	MWD+IFR1+MS
10400.000	41.180	90.000	10224.569	37.898	0.000	38.013	0.000	21.957	0.000	0.000	42.351	37.979	-4.921	MWD+IFR1+MS
10500.000	49.180	90.000	10295.000	36.877	0.000	38.328	0.000	23.154	0.000	0.000	43.067	38.305	-3.853	MWD+IFR1+MS
10600.000	57.180	90.000	10354.880	35.599	0.000	38.613	0.000	24.532	0.000	0.000	43.603	38.598	-3.076	MWD+IFR1+MS
10700.000	65.180	90.000	10403.046	34.201	0.000	38.872	0.000	26.044	0.000	0.000	43.963	38.862	-2.460	MWD+IFR1+MS
10800.000	73.180	90.000	10438.560	32.854	0.000	39.128	0.000	27.639	0.000	0.000	44.187	39.122	-1.928	MWD+IFR1+MS
10900.000	81.180	90.000	10460.729	31.743	0.000	39.357	0.000	29.261	0.000	0.000	44.297	39.354	-1.418	MWD+IFR1+MS
11000.000	89.180	90.000	10469.124	31.059	0.000	39.547	0.000	30.859	0.000	0.000	44.329	39.546	-0.899	MWD+IFR1+MS
11010.000	90.000	90.000	10469.197	30.880	0.000	39.573	0.000	30.880	0.000	0.000	44.329	39.572	-0.846	MWD+IFR1+MS
11100.000	89.980	89.980	10469.206	31.047	0.000	39.737	0.000	31.042	0.000	0.000	44.340	39.736	-0.353	MWD+IFR1+MS
11200.000	89.970	89.980	10469.235	31.245	0.000	39.950	0.000	31.238	0.000	0.000	44.362	39.950	0.235	MWD+IFR1+MS
11300.000	89.950	89.980	10469.284	31.465	0.000	40.175	0.000	31.453	0.000	0.000	44.374	40.174	0.876	MWD+IFR1+MS
11400.000	89.950	89.980	10469.355	31.698	0.000	40.410	0.000	31.686	0.000	0.000	44.388	40.407	1.586	MWD+IFR1+MS
11500.000	89.940	89.980	10469.446	31.936	0.000	40.657	0.000	31.922	0.000	0.000	44.413	40.650	2.373	MWD+IFR1+MS
11600.000	89.920	89.980	10469.558	32.221	0.000	40.927	0.000	32.202	0.000	0.000	44.441	40.915	3.272	MWD+IFR1+MS
11700.000	89.910	89.980	10469.691	32.502	0.000	41.207	0.000	32.481	0.000	0.000	44.459	41.187	4.323	MWD+IFR1+MS
11800.000	89.900	89.980	10469.845	32.811	0.000	41.509	0.000	32.787	0.000	0.000	44.491	41.480	5.562	MWD+IFR1+MS
11900.000	89.890	89.980	10470.019	33.132	0.000	41.809	0.000	33.106	0.000	0.000	44.526	41.767	7.019	MWD+IFR1+MS

12000.000	89.880	89.970	10470.214	33.464	0.000	42.143	0.000	33.437	0.000	0.000	44.566	42.082	8.867	MWD+IFR1+MS
12100.000	89.870	89.970	10470.430	33.809	0.000	42.474	0.000	33.779	0.000	0.000	44.612	42.388	11.145	MWD+IFR1+MS
12200.000	89.840	89.970	10470.666	34.184	0.000	42.826	0.000	34.147	0.000	0.000	44.668	42.706	14.135	MWD+IFR1+MS
12300.000	89.840	89.970	10470.924	34.547	0.000	43.186	0.000	34.511	0.000	0.000	44.738	43.017	18.056	MWD+IFR1+MS
12400.000	89.830	89.970	10471.202	34.938	0.000	43.567	0.000	34.900	0.000	0.000	44.842	43.327	23.231	MWD+IFR1+MS
12500.000	89.810	89.950	10471.500	35.356	0.000	43.956	0.000	35.313	0.000	0.000	44.970	43.608	30.085	MWD+IFR1+MS
12600.000	89.810	89.950	10471.820	35.764	0.000	44.352	0.000	35.721	0.000	0.000	45.148	43.848	38.250	MWD+IFR1+MS
12700.000	89.790	89.950	10472.160	36.199	0.000	44.756	0.000	36.152	0.000	0.000	45.390	44.043	46.428	MWD+IFR1+MS
12800.000	89.780	89.950	10472.522	36.641	0.000	45.179	0.000	36.592	0.000	0.000	45.692	44.196	53.874	MWD+IFR1+MS
12900.000	89.770	89.950	10472.903	37.091	0.000	45.608	0.000	37.041	0.000	0.000	46.036	44.302	59.927	MWD+IFR1+MS
13000.000	89.760	89.950	10473.306	37.562	0.000	46.056	0.000	37.510	0.000	0.000	46.426	44.392	64.452	MWD+IFR1+MS
13100.000	89.750	89.950	10473.729	38.027	0.000	46.509	0.000	37.974	0.000	0.000	46.839	44.465	67.821	MWD+IFR1+MS
13200.000	89.730	89.950	10474.173	38.515	0.000	46.970	0.000	38.458	0.000	0.000	47.270	44.526	70.370	MWD+IFR1+MS
13300.000	89.720	89.950	10474.638	39.008	0.000	47.446	0.000	38.949	0.000	0.000	47.723	44.581	72.400	MWD+IFR1+MS
13400.000	89.700	89.950	10475.124	39.522	0.000	47.918	0.000	39.459	0.000	0.000	48.179	44.630	73.948	MWD+IFR1+MS
13500.000	89.700	89.940	10475.630	40.025	0.000	48.417	0.000	39.962	0.000	0.000	48.662	44.676	75.280	MWD+IFR1+MS
13600.000	89.690	89.940	10476.158	40.548	0.000	48.910	0.000	40.485	0.000	0.000	49.144	44.719	76.336	MWD+IFR1+MS
13700.000	89.680	89.940	10476.705	41.078	0.000	49.419	0.000	41.012	0.000	0.000	49.644	44.771	77.218	MWD+IFR1+MS
13800.000	89.660	89.940	10477.274	41.614	0.000	49.932	0.000	41.545	0.000	0.000	50.149	44.812	77.997	MWD+IFR1+MS
13900.000	89.650	89.940	10477.863	42.165	0.000	50.460	0.000	42.095	0.000	0.000	50.670	44.850	78.669	MWD+IFR1+MS
14000.000	89.640	89.930	10478.474	42.721	0.000	50.993	0.000	42.650	0.000	0.000	51.197	44.899	79.240	MWD+IFR1+MS
14100.000	89.630	89.930	10479.105	43.282	0.000	51.529	0.000	43.209	0.000	0.000	51.728	44.947	79.740	MWD+IFR1+MS
14200.000	89.620	89.930	10479.756	43.846	0.000	52.080	0.000	43.772	0.000	0.000	52.273	44.983	80.210	MWD+IFR1+MS
14300.000	89.590	89.930	10480.429	44.430	0.000	52.634	0.000	44.351	0.000	0.000	52.823	45.030	80.614	MWD+IFR1+MS
14400.000	89.590	89.930	10481.122	45.001	0.000	53.191	0.000	44.922	0.000	0.000	53.377	45.076	80.969	MWD+IFR1+MS
14500.000	89.580	89.920	10481.836	45.588	0.000	53.762	0.000	45.508	0.000	0.000	53.944	45.122	81.305	MWD+IFR1+MS
14600.000	89.560	89.920	10482.570	46.181	0.000	54.327	0.000	46.098	0.000	0.000	54.506	45.168	81.600	MWD+IFR1+MS
14700.000	89.560	89.920	10483.326	46.783	0.000	54.913	0.000	46.701	0.000	0.000	55.089	45.213	81.880	MWD+IFR1+MS
14800.000	89.540	89.920	10484.102	47.382	0.000	55.492	0.000	47.297	0.000	0.000	55.666	45.258	82.134	MWD+IFR1+MS
14900.000	89.530	89.920	10484.899	47.993	0.000	56.084	0.000	47.906	0.000	0.000	56.255	45.314	82.367	MWD+IFR1+MS
15000.000	89.520	89.910	10485.717	48.606	0.000	56.687	0.000	48.518	0.000	0.000	56.856	45.359	82.589	MWD+IFR1+MS
15100.000	89.510	89.910	10486.555	49.231	0.000	57.284	0.000	49.143	0.000	0.000	57.450	45.404	82.793	MWD+IFR1+MS
15200.000	89.500	89.910	10487.415	49.849	0.000	57.892	0.000	49.759	0.000	0.000	58.056	45.459	82.979	MWD+IFR1+MS
15300.000	89.480	89.910	10488.294	50.481	0.000	58.502	0.000	50.388	0.000	0.000	58.664	45.514	83.155	MWD+IFR1+MS
15400.000	89.470	89.900	10489.195	51.113	0.000	59.123	0.000	51.020	0.000	0.000	59.282	45.559	83.330	MWD+IFR1+MS
15500.000	89.450	89.900	10490.117	51.758	0.000	59.746	0.000	51.662	0.000	0.000	59.903	45.613	83.484	MWD+IFR1+MS
15600.000	89.450	89.900	10491.059	52.393	0.000	60.371	0.000	52.297	0.000	0.000	60.526	45.668	83.633	MWD+IFR1+MS
15700.000	89.440	89.900	10492.022	53.040	0.000	61.005	0.000	52.943	0.000	0.000	61.159	45.723	83.773	MWD+IFR1+MS
15800.000	89.430	89.900	10493.006	53.688	0.000	61.641	0.000	53.591	0.000	0.000	61.793	45.778	83.908	MWD+IFR1+MS
15900.000	89.410	89.890	10494.010	54.340	0.000	62.279	0.000	54.240	0.000	0.000	62.429	45.832	84.032	MWD+IFR1+MS
16000.000	89.400	89.890	10495.035	54.991	0.000	62.926	0.000	54.891	0.000	0.000	63.075	45.886	84.153	MWD+IFR1+MS
16100.000	89.390	89.890	10496.082	55.653	0.000	63.575	0.000	55.552	0.000	0.000	63.722	45.952	84.267	MWD+IFR1+MS
16200.000	89.380	89.890	10497.148	56.316	0.000	64.224	0.000	56.214	0.000	0.000	64.370	46.006	84.376	MWD+IFR1+MS
16300.000	89.370	89.890	10498.236	56.980	0.000	64.883	0.000	56.877	0.000	0.000	65.027	46.060	84.481	MWD+IFR1+MS
16400.000	89.340	89.880	10499.344	57.657	0.000	65.543	0.000	57.550	0.000	0.000	65.685	46.125	84.581	MWD+IFR1+MS
16500.000	89.340	89.880	10500.473	58.322	0.000	66.203	0.000	58.215	0.000	0.000	66.344	46.179	84.677	MWD+IFR1+MS
16600.000	89.330	89.880	10501.623	58.997	0.000	66.872	0.000	58.890	0.000	0.000	67.012	46.243	84.768	MWD+IFR1+MS
16700.000	89.310	89.880	10502.793	59.675	0.000	67.542	0.000	59.565	0.000	0.000	67.680	46.308	84.855	MWD+IFR1+MS
16800.000	89.310	89.880	10503.985	60.350	0.000	68.212	0.000	60.241	0.000	0.000	68.349	46.372	84.938	MWD+IFR1+MS
16900.000	89.290	89.870	10505.197	61.037	0.000	68.891	0.000	60.926	0.000	0.000	69.027	46.436	85.019	MWD+IFR1+MS
17000.000	89.280	89.870	10506.430	61.723	0.000	69.570	0.000	61.612	0.000	0.000	69.704	46.501	85.099	MWD+IFR1+MS
17100.000	89.270	89.870	10507.683	62.410	0.000	70.250	0.000	62.298	0.000	0.000	70.383	46.565	85.174	MWD+IFR1+MS
17200.000	89.260	89.870	10508.958	63.097	0.000	70.937	0.000	62.984	0.000	0.000	71.069	46.629	85.248	MWD+IFR1+MS
17300.000	89.250	89.870	10510.253	63.793	0.000	71.625	0.000	63.679	0.000	0.000	71.755	46.693	85.318	MWD+IFR1+MS

17400.000	89.230	89.860	10511.568	64.482	0.000	72.320	0.000	64.366	0.000	0.000	72.449	46.767	85.386	MWD+IFR1+MS
17500.000	89.220	89.860	10512.905	65.178	0.000	73.008	0.000	65.062	0.000	0.000	73.136	46.831	85.449	MWD+IFR1+MS
17600.000	89.200	89.860	10514.262	65.876	0.000	73.704	0.000	65.757	0.000	0.000	73.830	46.905	85.512	MWD+IFR1+MS
17700.000	89.200	89.860	10515.640	66.579	0.000	74.406	0.000	66.461	0.000	0.000	74.531	46.969	85.575	MWD+IFR1+MS
17800.000	89.190	89.860	10517.039	67.275	0.000	75.102	0.000	67.157	0.000	0.000	75.226	47.043	85.633	MWD+IFR1+MS
17900.000	89.180	89.840	10518.459	67.980	0.000	75.805	0.000	67.860	0.000	0.000	75.928	47.117	85.691	MWD+IFR1+MS
18000.000	89.160	89.840	10519.899	68.693	0.000	76.515	0.000	68.571	0.000	0.000	76.636	47.190	85.746	MWD+IFR1+MS
18100.000	89.150	89.840	10521.360	69.397	0.000	77.224	0.000	69.275	0.000	0.000	77.344	47.264	85.801	MWD+IFR1+MS
18200.000	89.140	89.840	10522.842	70.102	0.000	77.933	0.000	69.979	0.000	0.000	78.052	47.338	85.854	MWD+IFR1+MS
18300.000	89.130	89.840	10524.345	70.813	0.000	78.642	0.000	70.689	0.000	0.000	78.760	47.411	85.904	MWD+IFR1+MS
18400.000	89.120	89.840	10525.868	71.524	0.000	79.357	0.000	71.400	0.000	0.000	79.475	47.485	85.955	MWD+IFR1+MS
18500.000	89.090	89.840	10527.412	72.245	0.000	80.072	0.000	72.118	0.000	0.000	80.189	47.558	86.002	MWD+IFR1+MS
18600.000	89.090	89.840	10528.977	72.955	0.000	80.787	0.000	72.829	0.000	0.000	80.903	47.641	86.049	MWD+IFR1+MS
18700.000	89.080	89.840	10530.563	73.673	0.000	81.508	0.000	73.546	0.000	0.000	81.623	47.714	86.095	MWD+IFR1+MS
18800.000	89.060	89.840	10532.169	74.392	0.000	82.229	0.000	74.263	0.000	0.000	82.343	47.798	86.140	MWD+IFR1+MS
18900.000	89.060	89.830	10533.796	75.109	0.000	82.950	0.000	74.980	0.000	0.000	83.063	47.870	86.183	MWD+IFR1+MS
19000.000	89.040	89.830	10535.444	75.834	0.000	83.677	0.000	75.703	0.000	0.000	83.788	47.953	86.224	MWD+IFR1+MS
19100.000	89.030	89.830	10537.113	76.551	0.000	84.403	0.000	76.420	0.000	0.000	84.513	48.036	86.265	MWD+IFR1+MS
19200.000	89.020	89.830	10538.802	77.274	0.000	85.134	0.000	77.143	0.000	0.000	85.244	48.119	86.306	MWD+IFR1+MS
19300.000	89.010	89.810	10540.512	77.998	0.000	85.867	0.000	77.865	0.000	0.000	85.974	48.202	86.345	MWD+IFR1+MS
19400.000	89.000	89.810	10542.243	78.727	0.000	86.597	0.000	78.594	0.000	0.000	86.704	48.284	86.383	MWD+IFR1+MS
19500.000	88.980	89.810	10543.995	79.451	0.000	87.328	0.000	79.316	0.000	0.000	87.434	48.366	86.420	MWD+IFR1+MS
19600.000	88.970	89.810	10545.767	80.179	0.000	88.063	0.000	80.044	0.000	0.000	88.169	48.449	86.457	MWD+IFR1+MS
19700.000	88.950	89.810	10547.560	80.908	0.000	88.799	0.000	80.771	0.000	0.000	88.903	48.541	86.492	MWD+IFR1+MS
19800.000	88.950	89.810	10549.374	81.635	0.000	89.533	0.000	81.498	0.000	0.000	89.637	48.623	86.526	MWD+IFR1+MS
19900.000	88.940	89.810	10551.209	82.368	0.000	90.273	0.000	82.231	0.000	0.000	90.376	48.715	86.560	MWD+IFR1+MS
20000.000	88.930	89.810	10553.064	83.101	0.000	91.012	0.000	82.964	0.000	0.000	91.115	48.796	86.593	MWD+IFR1+MS
20100.000	88.910	89.810	10554.940	83.835	0.000	91.757	0.000	83.696	0.000	0.000	91.858	48.888	86.626	MWD+IFR1+MS
20200.000	88.900	89.810	10556.837	84.567	0.000	92.500	0.000	84.427	0.000	0.000	92.601	48.980	86.657	MWD+IFR1+MS
20300.000	88.890	89.800	10558.755	85.305	0.000	93.244	0.000	85.165	0.000	0.000	93.344	49.061	86.689	MWD+IFR1+MS
20400.000	88.880	89.800	10560.693	86.036	0.000	93.987	0.000	85.895	0.000	0.000	94.085	49.152	86.720	MWD+IFR1+MS
20500.000	88.870	89.800	10562.653	86.773	0.000	94.734	0.000	86.631	0.000	0.000	94.832	49.243	86.749	MWD+IFR1+MS
20600.000	88.840	89.800	10564.632	87.511	0.000	95.481	0.000	87.367	0.000	0.000	95.578	49.344	86.777	MWD+IFR1+MS
20700.000	88.840	89.800	10566.633	88.252	0.000	96.227	0.000	88.108	0.000	0.000	96.323	49.435	86.806	MWD+IFR1+MS
20800.000	88.830	89.790	10568.655	88.987	0.000	96.978	0.000	88.843	0.000	0.000	97.073	49.525	86.834	MWD+IFR1+MS
20900.000	88.810	89.790	10570.697	89.728	0.000	97.728	0.000	89.582	0.000	0.000	97.823	49.625	86.861	MWD+IFR1+MS
21000.000	88.810	89.790	10572.760	90.467	0.000	98.482	0.000	90.322	0.000	0.000	98.577	49.716	86.889	MWD+IFR1+MS
21100.000	88.800	89.790	10574.843	91.212	0.000	99.236	0.000	91.066	0.000	0.000	99.330	49.816	86.915	MWD+IFR1+MS
21200.000	88.780	89.790	10576.948	91.952	0.000	99.989	0.000	91.804	0.000	0.000	100.082	49.906	86.941	MWD+IFR1+MS
21300.000	88.770	89.780	10579.073	92.695	0.000	100.712	0.000	92.547	0.000	0.000	100.804	50.005	86.963	MWD+IFR1+MS
21400.000	88.760	89.780	10581.219	93.438	0.000	101.455	0.000	93.290	0.000	0.000	101.546	50.104	86.987	MWD+IFR1+MS
21500.000	88.750	89.780	10583.385	94.181	0.000	102.240	0.000	94.032	0.000	0.000	102.331	50.204	87.013	MWD+IFR1+MS
21600.000	88.730	89.780	10585.573	94.929	0.000	102.971	0.000	94.779	0.000	0.000	103.061	50.303	87.035	MWD+IFR1+MS
21700.000	88.720	89.780	10587.781	95.676	0.000	103.745	0.000	95.525	0.000	0.000	103.835	50.402	87.060	MWD+IFR1+MS
21800.000	88.700	89.770	10590.010	96.418	0.000	104.515	0.000	96.265	0.000	0.000	104.603	50.500	87.084	MWD+IFR1+MS
21900.000	88.700	89.770	10592.260	97.168	0.000	105.277	0.000	97.015	0.000	0.000	105.365	50.609	87.106	MWD+IFR1+MS
22000.000	88.690	89.770	10594.530	97.913	0.000	106.035	0.000	97.760	0.000	0.000	106.122	50.707	87.128	MWD+IFR1+MS
22100.000	88.680	89.770	10596.821	98.662	0.000	106.787	0.000	98.509	0.000	0.000	106.873	50.805	87.149	MWD+IFR1+MS
22200.000	88.660	89.770	10599.133	99.412	0.000	107.580	0.000	99.257	0.000	0.000	107.666	50.913	87.173	MWD+IFR1+MS
22300.000	88.650	89.760	10601.466	100.155	0.000	108.322	0.000	100.000	0.000	0.000	108.406	51.020	87.192	MWD+IFR1+MS
22400.000	88.640	89.760	10603.819	100.903	0.000	109.104	0.000	100.747	0.000	0.000	109.188	51.118	87.214	MWD+IFR1+MS
22500.000	88.630	89.760	10606.194	101.645	0.000	109.835	0.000	101.489	0.000	0.000	109.918	51.224	87.232	MWD+IFR1+MS
22600.000	88.620	89.760	10608.588	102.382	0.000	110.606	0.000	102.225	0.000	0.000	110.689	51.331	87.252	MWD+IFR1+MS

22700.000	88.590	89.750	10611.004	103.116	0.000	111.373	0.000	102.956	0.000	0.000	111.455	51.438	87.272	MWD+IFR1+MS
22740.000	88.590	89.750	10612.000	103.455	0.000	111.687	0.000	103.296	0.000	0.000	111.768	51.486	87.279	MWD+IFR1+MS

Plan Targets		JRU DI11 Ekalaka 922H					
	Measured Depth	Grid Northing	Grid Easting	TVD MSL	Target Shape		
Target Name	(ft)	(ft)	(ft)	(ft)			
Kick Off Pt 23	11390.47	505647.10	633304.80	6386.80	CIRCLE		
FTP 48	12150.86	505647.10	634021.00	7103.00	RECTANGLE		
Rev 2 FTP 12	11019.23	507294.30	634398.50	7328.00	CIRCLE		
Rev 2 BHL 12	22750.00	507318.96	646127.24	7470.00	CIRCLE		
BHL 48	24430.98	505670.59	646134.72	7103.00	RECTANGLE		



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CACTUS WELLHEAD LLC			ALL DIMENSIONS APPROXIMATE		
			XTO ENERGY INC		
			ICARUS PAD		
20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead			DRAWN	DLE	18JAN21
With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head			APPRV		
And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers			DRAWING NO.	HBE0000479	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 77101

COMMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 77101
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO review 2/4/2022	2/4/2022

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

CONDITIONS

Action 77101

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 77101
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	the FTP must be 100' from the spacing unit boundary or an NSL is required.	2/4/2022
kpickford	Adhere to previous NMOCD conditions of approval	2/4/2022