

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: JAMES RANCH UNIT DI 11 EKALAKA	Well Location: T22S / R30E / SEC 17 / NWSE /	County or Parish/State:
Well Number: 121H	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:	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2642455

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 11/02/2021

Time Sundry Submitted: 09:04

Date proposed operation will begin: 11/04/2021

Procedure Description: **Name Change, Pool, Producing Formation, 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 901H to James Ranch Unit DI 11 Ekalaka 121H Change Pool fr/Los Medanos; Bone Spring to Wildcat Wolfcamp Change Formation fr/Bone Spring to Wolfcamp Change BHL fr/990'FSL & 50'FEL, Section 15-22S-30E to 660'FSL & 50'FEL, Section 15-T22S-R30E Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program Directional Plan Multibowl Diagram

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

JRU_DI_11_121H_NOI_Attachments_20211102090446.pdf

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11 EKALAKA**Well Location:** T22S / R30E / SEC 17 /
NWSE /**County or Parish/State:****Well Number:** 121H**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:****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 09:04 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: (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

LOS

MEDANOS; WOLF CAMP,
SOUTH

¹ API Number 30-015-	² Pool Code 98344 96336	³ Pool Name WC 015-008 S223017 K-Wolfcamp
⁴ Property Code	⁵ Property Name JAMES RANCH UNIT DI 11 EKALAKA	⁶ Well Number 121H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,112'

¹⁰ Surface Location

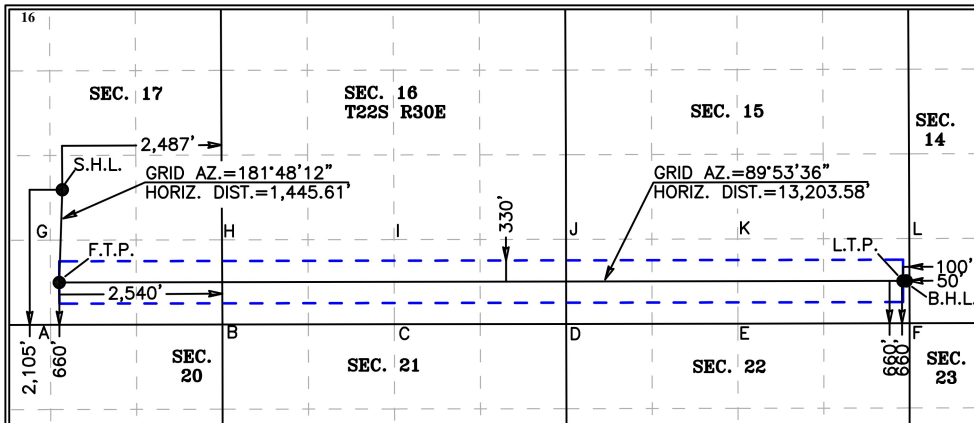
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	22S	30E		2,105	SOUTH	2,487	EAST	EDDY

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
P	15	22S	30E		660	SOUTH	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.



SHL (NAD83 NME)	LTP (NAD83 NME)	SHL (NAD27 NME)	LTP (NAD27 NME)
Y = 506,162.0	Y = 504,741.5	Y = 506,101.2	Y = 504,680.8
X = 674,163.5	X = 687,271.5	X = 632,982.0	X = 646,090.1
LAT. = 32.390773 °N	LAT. = 32.386717 °N	LAT. = 32.390650 °N	LAT. = 32.386594 °N
LONG. = 103.903013 °W	LONG. = 103.860568 °W	LONG. = 103.902517 °W	LONG. = 103.860073 °W
FTP (NAD83 NME)	BHL (NAD83 NME)	FTP (NAD27 NME)	BHL (NAD27 NME)
Y = 504,717.1	Y = 504,741.6	Y = 504,656.3	Y = 504,681.0
X = 674,118.0	X = 687,321.5	X = 632,936.5	X = 646,140.1
LAT. = 32.386802 °N	LAT. = 32.386716 °N	LAT. = 32.386679 °N	LAT. = 32.386594 °N
LONG. = 103.903179 °W	LONG. = 103.860406 °W	LONG. = 103.902683 °W	LONG. = 103.859911 °W
CORNER COORDINATES (NAD83 NME)		CORNER COORDINATES (NAD27 NME)	
A - Y = 504,056.8 N	X = 673,981.7 E	A - Y = 503,996.1 N	X = 632,800.2 E
B - Y = 504,061.6 N	X = 676,661.5 E	B - Y = 504,000.8 N	X = 635,480.0 E
C - Y = 504,066.6 N	X = 679,341.2 E	C - Y = 504,005.9 N	X = 638,159.7 E
D - Y = 504,070.3 N	X = 682,021.6 E	D - Y = 504,009.6 N	X = 640,840.1 E
E - Y = 504,075.5 N	X = 684,697.5 E	E - Y = 504,014.8 N	X = 643,516.0 E
F - Y = 504,081.7 N	X = 687,374.2 E	F - Y = 504,021.1 N	X = 646,192.8 E
G - Y = 505,375.8 N	X = 673,977.1 E	G - Y = 505,315.1 N	X = 632,795.7 E
H - Y = 505,381.7 N	X = 676,654.5 E	H - Y = 505,320.9 N	X = 635,473.0 E
I - Y = 505,385.5 N	X = 679,335.9 E	I - Y = 505,324.7 N	X = 638,154.4 E
J - Y = 505,388.8 N	X = 682,018.2 E	J - Y = 505,328.0 N	X = 640,836.7 E
K - Y = 505,394.9 N	X = 684,693.1 E	K - Y = 505,334.3 N	X = 643,511.6 E
L - Y = 505,401.7 N	X = 687,368.8 E	L - Y = 505,341.0 N	X = 646,187.4 E

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stephanie Rabadue 10/01/2021

Signature Date

Stephanie Rabadue

Printed Name

stephanie.rabadue@exxonmobil.com

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

9-30-2021

Date of Survey

Signature and Seal of
Professional Surveyor:

MARK DILLON HARP 23786

Certificate Number

RM

2019072056



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

XTO Energy Inc.
James Ranch Unit DI 11 Ekalaka 121H
Projected TD: 23850' MD / 10787' TVD
SHL: 2105' FSL & 2487' FEL , Section 17, T22S, R30E
BHL: 660' FSL & 50' FEL , Section 15, T22S, R30E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	65'	Water
Top of Salt	688'	Water
Base of Salt	3195'	Water
Delaware	3423'	Water
Brushy Canyon	5984'	Water/Oil/Gas
Bone Spring	7214'	Water
1st Bone Spring Ss	8169'	Water/Oil/Gas
2nd Bone Spring Ss	8784'	Water/Oil/Gas
3rd Bone Spring Ss	10163'	Water/Oil/Gas
Wolfcamp	10528'	Water/Oil/Gas
Wolfcamp X	10544'	Water/Oil/Gas
Wolfcamp Y	10602'	Water/Oil/Gas
Target/Land Curve	10618'	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 9768' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 23850 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 9268 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	1.78	2.56	4.78
8.75	0' – 3395'	7.625	29.7	RY P-110	Flush Joint	New	2.97	3.52	1.92
8.75	3395' – 9768'	7.625	29.7	HC L-80	Flush Joint	New	2.16	3.71	2.14
6.75	0' – 9668'	5.5	23	RY P-110	Semi-Premium	New	1.21	2.92	2.03
6.75	9668' - 10500'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.69	4.42
6.75	10500' - 23850'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.62	5.14

- 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 +/- 9768'

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: 350 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 +/- 23850'

Lead: 30 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 9268 feet
 Tail: 980 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 10086 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' - 663'	17.5	FW/Native	8.5-9	35-40	NC
663' - 3295'	12.25	Brine	10-10.5	30-32	NC
3295' to 9768'	8.75	FW / Cut Brine	8.6-9.1	30-32	NC
9768' to 23850'	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.

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 5553 psi.

10. Anticipated Starting Date and Duration of Operations

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

Well Plan Report - JRU DI11 Ekalaka 121H

Measured Depth: 23850.00 ft Slot: JRU DI 11-D17
TVD RKB: 10787.00 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 506101.02 ft
Easting: 632983.22 ft
RKB: 3132.00 ft
Ground Level: 3102.00 ft
North Reference: Grid
Convergence Angle: 0.23 Deg

Plan Sections JRU DI11 Ekalaka 121H									
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	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	
3521.25	14.43	187.96	3513.66	-89.44	-12.52	2.00	0.00	2.00	
8655.81	14.43	187.96	8486.34	-1356.20	-189.74	0.00	0.00	0.00	
9377.06	0.00	0.00	9200.00	-1445.64	-202.25	-2.00	0.00	2.00	
10086.06	0.00	0.00	9909.00	-1445.64	-202.25	0.00	0.00	0.00	
11199.92	90.00	89.99	10618.11	-1445.51	506.86	8.08	0.00	8.08	Rev 2 FTP 1
23850.34	88.47	89.78	10787.00	-1419.93	13155.74	-0.01	-0.00	0.01	Rev 2 BHL 1

Position Uncertainty JRU DI11 Ekalaka 121H															
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	1.999	187.900	2899.980	10.985	-0.000	10.714	0.000	4.179	0.000	0.000	11.304	10.384	134.139	MWD+IFR1+MS
3000.000	4.000	187.900	2999.838	11.513	-0.000	11.046	0.000	4.294	0.000	0.000	11.823	10.738	129.464	MWD+IFR1+MS
3100.000	6.000	187.900	3099.452	12.015	-0.000	11.377	0.000	4.414	0.000	0.000	12.338	11.080	126.306	MWD+IFR1+MS
3200.000	7.999	187.900	3198.702	12.491	-0.000	11.712	0.000	4.539	0.000	0.000	12.845	11.419	124.142	MWD+IFR1+MS
3300.000	10.000	187.900	3297.465	12.942	-0.000	12.045	0.000	4.671	0.000	0.000	13.340	11.753	122.605	MWD+IFR1+MS
3400.000	11.990	187.900	3395.623	13.377	-0.000	12.383	0.000	4.810	0.000	0.000	13.829	12.089	121.411	MWD+IFR1+MS
3500.000	14.000	187.900	3493.055	13.784	-0.000	12.719	0.000	4.960	0.000	0.000	14.304	12.422	120.556	MWD+IFR1+MS
3521.200	14.420	187.900	3513.659	13.830	-0.000	12.785	0.000	4.983	0.000	0.000	14.367	12.490	120.528	MWD+IFR1+MS
3600.000	14.420	187.900	3589.922	14.069	-0.000	13.044	0.000	5.087	0.000	0.000	14.598	12.752	120.616	MWD+IFR1+MS
3700.000	14.420	187.900	3686.770	14.377	-0.000	13.381	0.000	5.225	0.000	0.000	14.900	13.088	120.944	MWD+IFR1+MS
3800.000	14.420	187.900	3783.617	14.691	-0.000	13.725	0.000	5.367	0.000	0.000	15.209	13.427	121.356	MWD+IFR1+MS
3900.000	14.420	187.900	3880.465	15.011	-0.000	14.070	0.000	5.513	0.000	0.000	15.524	13.769	121.712	MWD+IFR1+MS
4000.000	14.420	187.900	3977.312	15.335	-0.000	14.418	0.000	5.661	0.000	0.000	15.843	14.114	122.064	MWD+IFR1+MS
4100.000	14.420	187.900	4074.160	15.663	-0.000	14.764	0.000	5.814	0.000	0.000	16.164	14.458	122.365	MWD+IFR1+MS
4200.000	14.420	187.900	4171.007	15.991	-0.000	15.116	0.000	5.970	0.000	0.000	16.486	14.806	122.755	MWD+IFR1+MS
4300.000	14.420	187.900	4267.855	16.325	-0.000	15.466	0.000	6.129	0.000	0.000	16.813	15.154	123.042	MWD+IFR1+MS
4400.000	14.420	187.900	4364.702	16.661	-0.000	15.821	0.000	6.290	0.000	0.000	17.143	15.505	123.377	MWD+IFR1+MS
4500.000	14.420	187.900	4461.550	17.001	-0.000	16.175	0.000	6.456	0.000	0.000	17.475	15.857	123.657	MWD+IFR1+MS
4600.000	14.420	187.900	4558.397	17.342	-0.000	16.530	0.000	6.624	0.000	0.000	17.809	16.210	123.929	MWD+IFR1+MS
4700.000	14.420	187.900	4655.245	17.687	-0.000	16.889	0.000	6.796	0.000	0.000	18.146	16.566	124.249	MWD+IFR1+MS
4800.000	14.420	187.900	4752.092	18.033	-0.000	17.246	0.000	6.969	0.000	0.000	18.484	16.921	124.518	MWD+IFR1+MS
4900.000	14.420	187.900	4848.939	18.381	-0.000	17.605	0.000	7.146	0.000	0.000	18.825	17.278	124.780	MWD+IFR1+MS
5000.000	14.420	187.900	4945.787	18.732	-0.000	17.965	0.000	7.326	0.000	0.000	19.167	17.636	125.036	MWD+IFR1+MS
5100.000	14.420	187.900	5042.634	19.084	-0.000	18.326	0.000	7.509	0.000	0.000	19.511	17.995	125.292	MWD+IFR1+MS
5200.000	14.420	187.900	5139.482	19.437	-0.000	18.689	0.000	7.694	0.000	0.000	19.856	18.355	125.539	MWD+IFR1+MS
5300.000	14.420	187.900	5236.329	19.793	-0.000	19.049	0.000	7.882	0.000	0.000	20.203	18.715	125.739	MWD+IFR1+MS
5400.000	14.420	187.900	5333.177	20.152	-0.000	19.413	0.000	8.072	0.000	0.000	20.553	19.078	125.934	MWD+IFR1+MS
5500.000	14.420	187.900	5430.024	20.511	-0.000	19.778	0.000	8.265	0.000	0.000	20.904	19.441	126.172	MWD+IFR1+MS
5600.000	14.420	187.900	5526.872	20.870	-0.000	20.142	0.000	8.461	0.000	0.000	21.254	19.803	126.360	MWD+IFR1+MS
5700.000	14.420	187.900	5623.719	21.234	-0.000	20.508	0.000	8.660	0.000	0.000	21.609	20.168	126.547	MWD+IFR1+MS
5800.000	14.420	187.900	5720.567	21.596	-0.000	20.873	0.000	8.861	0.000	0.000	21.962	20.532	126.728	MWD+IFR1+MS
5900.000	14.420	187.900	5817.414	21.961	-0.000	21.242	0.000	9.065	0.000	0.000	22.319	20.899	126.908	MWD+IFR1+MS
6000.000	14.420	187.900	5914.261	22.328	-0.000	21.608	0.000	9.271	0.000	0.000	22.676	21.265	127.040	MWD+IFR1+MS
6100.000	14.420	187.900	6011.109	22.694	-0.000	21.975	0.000	9.480	0.000	0.000	23.032	21.631	127.213	MWD+IFR1+MS
6200.000	14.420	187.900	6107.956	23.062	-0.000	22.343	0.000	9.691	0.000	0.000	23.391	21.999	127.340	MWD+IFR1+MS
6300.000	14.420	187.900	6204.804	23.432	-0.000	22.712	0.000	9.906	0.000	0.000	23.751	22.367	127.464	MWD+IFR1+MS
6400.000	14.420	187.900	6301.651	23.802	-0.000	23.081	0.000	10.119	0.000	0.000	24.112	22.736	127.588	MWD+IFR1+MS
6500.000	14.420	187.900	6398.499	24.173	-0.000	23.451	0.000	10.339	0.000	0.000	24.474	23.105	127.707	MWD+IFR1+MS
6600.000	14.420	187.900	6495.346	24.545	-0.000	23.821	0.000	10.559	0.000	0.000	24.836	23.475	127.826	MWD+IFR1+MS
6700.000	14.420	187.900	6592.194	24.917	-0.000	24.192	0.000	10.784	0.000	0.000	25.199	23.845	127.942	MWD+IFR1+MS
6800.000	14.420	187.900	6689.041	25.291	-0.000	24.561	0.000	11.009	0.000	0.000	25.563	24.215	128.015	MWD+IFR1+MS
6900.000	14.420	187.900	6785.889	25.666	-0.000	24.933	0.000	11.238	0.000	0.000	25.929	24.587	128.088	MWD+IFR1+MS
7000.000	14.420	187.900	6882.736	26.041	-0.000	25.305	0.000	11.472	0.000	0.000	26.294	24.958	128.199	MWD+IFR1+MS

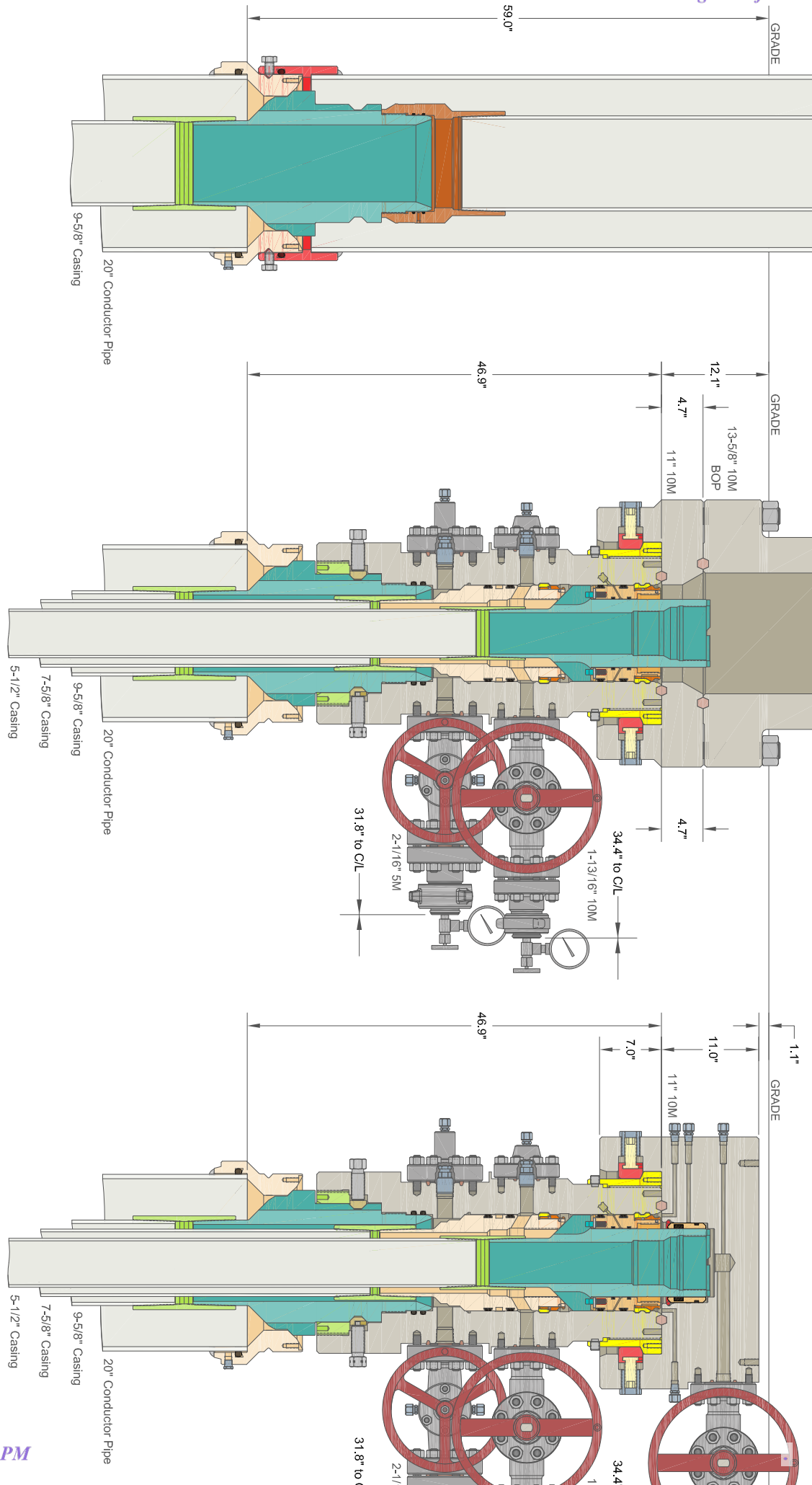
7100.000	14.420	187.900	6979.583	26.416	-0.000	25.676	0.000	11.705	0.000	0.000	26.660	25.329	128.269	MWD+IFR1+MS
7200.000	14.420	187.900	7076.431	26.793	-0.000	26.047	0.000	11.942	0.000	0.000	27.027	25.701	128.298	MWD+IFR1+MS
7300.000	14.420	187.900	7173.278	27.171	-0.000	26.421	0.000	12.182	0.000	0.000	27.395	26.075	128.366	MWD+IFR1+MS
7400.000	14.420	187.900	7270.126	27.548	-0.000	26.793	0.000	12.422	0.000	0.000	27.762	26.447	128.434	MWD+IFR1+MS
7500.000	14.420	187.900	7366.973	27.926	-0.000	27.165	0.000	12.665	0.000	0.000	28.131	26.820	128.460	MWD+IFR1+MS
7600.000	14.420	187.900	7463.821	28.306	-0.000	27.538	0.000	12.911	0.000	0.000	28.501	27.194	128.488	MWD+IFR1+MS
7700.000	14.420	187.900	7560.668	28.685	-0.000	27.912	0.000	13.161	0.000	0.000	28.871	27.568	128.515	MWD+IFR1+MS
7800.000	14.420	187.900	7657.516	29.065	-0.000	28.285	0.000	13.413	0.000	0.000	29.241	27.942	128.541	MWD+IFR1+MS
7900.000	14.420	187.900	7754.363	29.445	-0.000	28.659	0.000	13.667	0.000	0.000	29.612	28.317	128.567	MWD+IFR1+MS
8000.000	14.420	187.900	7851.211	29.828	-0.000	29.034	0.000	13.925	0.000	0.000	29.984	28.692	128.558	MWD+IFR1+MS
8100.000	14.420	187.900	7948.058	30.208	-0.000	29.408	0.000	14.181	0.000	0.000	30.356	29.068	128.585	MWD+IFR1+MS
8200.000	14.420	187.900	8044.905	30.591	-0.000	29.784	0.000	14.443	0.000	0.000	30.729	29.444	128.575	MWD+IFR1+MS
8300.000	14.420	187.900	8141.753	30.973	-0.000	30.157	0.000	14.707	0.000	0.000	31.101	29.818	128.565	MWD+IFR1+MS
8400.000	14.420	187.900	8238.600	31.356	-0.000	30.533	0.000	14.973	0.000	0.000	31.475	30.195	128.558	MWD+IFR1+MS
8500.000	14.420	187.900	8335.448	31.740	-0.000	30.907	0.000	15.245	0.000	0.000	31.849	30.571	128.515	MWD+IFR1+MS
8600.000	14.420	187.900	8432.295	32.122	-0.000	31.283	0.000	15.515	0.000	0.000	32.222	30.947	128.543	MWD+IFR1+MS
8655.700	14.420	187.900	8486.341	32.331	-0.000	31.490	0.000	15.668	0.000	0.000	32.425	31.155	128.557	MWD+IFR1+MS
8700.000	13.540	187.900	8529.224	32.537	-0.000	31.649	0.000	15.789	0.000	0.000	32.589	31.320	128.224	MWD+IFR1+MS
8800.000	11.540	187.900	8626.833	32.999	-0.000	32.021	0.000	16.069	0.000	0.000	32.990	31.696	127.733	MWD+IFR1+MS
8900.000	9.541	187.900	8725.140	33.458	-0.000	32.387	0.000	16.349	0.000	0.000	33.419	32.065	126.813	MWD+IFR1+MS
9000.000	7.541	187.900	8824.026	33.889	-0.000	32.748	0.000	16.628	0.000	0.000	33.853	32.434	125.704	MWD+IFR1+MS
9100.000	5.541	187.900	8923.370	34.267	-0.000	33.105	0.000	16.903	0.000	0.000	34.273	32.793	124.987	MWD+IFR1+MS
9200.000	3.541	187.900	9023.051	34.606	-0.000	33.458	0.000	17.176	0.000	0.000	34.688	33.147	124.342	MWD+IFR1+MS
9300.000	1.541	187.900	9122.948	34.907	-0.000	33.808	0.000	17.450	0.000	0.000	35.098	33.498	123.752	MWD+IFR1+MS
9377.000	0.000	0.000	9200.000	34.857	0.000	34.249	0.000	17.658	0.000	0.000	35.340	33.751	123.752	MWD+IFR1+MS
9400.000	0.000	0.000	9222.938	34.928	0.000	34.322	0.000	17.720	0.000	0.000	35.410	33.825	123.752	MWD+IFR1+MS
9500.000	0.000	0.000	9322.938	35.242	0.000	34.655	0.000	17.994	0.000	0.000	35.725	34.157	124.010	MWD+IFR1+MS
9600.000	0.000	0.000	9422.938	35.567	0.000	34.986	0.000	18.270	0.000	0.000	36.049	34.488	124.070	MWD+IFR1+MS
9700.000	0.000	0.000	9522.938	35.875	0.000	35.313	0.000	18.550	0.000	0.000	36.361	34.812	124.369	MWD+IFR1+MS
9800.000	0.000	0.000	9622.938	36.194	0.000	35.637	0.000	18.833	0.000	0.000	36.680	35.136	124.427	MWD+IFR1+MS
9900.000	0.000	0.000	9722.938	36.510	0.000	35.972	0.000	19.121	0.000	0.000	37.001	35.468	124.724	MWD+IFR1+MS
10000.000	0.000	0.000	9822.938	36.837	0.000	36.304	0.000	19.411	0.000	0.000	37.327	35.800	124.780	MWD+IFR1+MS
10086.000	0.000	0.000	9909.000	37.108	0.000	36.579	0.000	19.662	0.000	0.000	37.597	36.076	124.812	MWD+IFR1+MS
10100.000	1.126	89.980	9922.937	36.613	0.000	37.148	0.000	19.703	0.000	0.000	37.641	36.127	125.051	MWD+IFR1+MS
10200.000	9.206	89.980	10022.448	36.891	0.000	37.470	0.000	20.010	0.000	0.000	38.072	36.722	132.157	MWD+IFR1+MS
10300.000	17.280	89.980	10119.707	37.449	0.000	37.775	0.000	20.411	0.000	0.000	38.994	37.503	-25.094	MWD+IFR1+MS
10400.000	25.360	89.980	10212.783	37.516	0.000	38.079	0.000	20.967	0.000	0.000	40.085	37.963	-13.360	MWD+IFR1+MS
10500.000	33.440	89.980	10299.826	37.139	0.000	38.366	0.000	21.723	0.000	0.000	41.090	38.309	-8.126	MWD+IFR1+MS
10600.000	41.520	89.980	10379.111	36.397	0.000	38.626	0.000	22.700	0.000	0.000	41.933	38.596	-5.385	MWD+IFR1+MS
10700.000	49.600	89.980	10449.061	35.389	0.000	38.859	0.000	23.889	0.000	0.000	42.583	38.841	-3.821	MWD+IFR1+MS
10800.000	57.680	89.980	10508.289	34.251	0.000	39.077	0.000	25.263	0.000	0.000	43.056	39.066	-2.925	MWD+IFR1+MS
10900.000	65.760	89.980	10555.618	33.139	0.000	39.268	0.000	26.775	0.000	0.000	43.366	39.260	-2.499	MWD+IFR1+MS
11000.000	73.840	89.980	10590.109	32.219	0.000	39.433	0.000	28.374	0.000	0.000	43.539	39.425	-2.479	MWD+IFR1+MS
11100.000	81.920	89.980	10611.077	31.662	0.000	39.573	0.000	30.003	0.000	0.000	43.622	39.562	-2.852	MWD+IFR1+MS
11199.000	90.000	89.980	10618.106	31.605	0.000	39.686	0.000	31.605	0.000	0.000	43.639	39.670	-3.636	MWD+IFR1+MS
11300.000	89.980	89.980	10618.117	32.175	0.000	39.799	0.000	32.171	0.000	0.000	43.659	39.773	-4.639	MWD+IFR1+MS
11400.000	89.970	89.980	10618.148	32.393	0.000	39.912	0.000	32.388	0.000	0.000	43.671	39.873	-5.699	MWD+IFR1+MS
11500.000	89.950	89.980	10618.201	32.612	0.000	40.050	0.000	32.604	0.000	0.000	43.696	39.995	-6.827	MWD+IFR1+MS
11600.000	89.950	89.980	10618.275	32.856	0.000	40.212	0.000	32.848	0.000	0.000	43.725	40.138	-8.060	MWD+IFR1+MS
11700.000	89.930	89.980	10618.370	33.116	0.000	40.373	0.000	33.106	0.000	0.000	43.758	40.277	-9.365	MWD+IFR1+MS
11800.000	89.920	89.970	10618.486	33.403	0.000	40.558	0.000	33.392	0.000	0.000	43.795	40.436	-10.818	MWD+IFR1+MS
11900.000	89.910	89.970	10618.623	33.688	0.000	40.767	0.000	33.675	0.000	0.000	43.837	40.612	-12.454	MWD+IFR1+MS
12000.000	89.900	89.970	10618.782	34.000	0.000	40.987	0.000	33.985	0.000	0.000	43.885	40.793	-14.269	MWD+IFR1+MS

12100.000	89.890	89.970	10618.961	34.323	0.000	41.218	0.000	34.307	0.000	0.000	43.941	40.978	-16.289	MWD+IFR1+MS
12200.000	89.870	89.970	10619.162	34.659	0.000	41.460	0.000	34.641	0.000	0.000	44.015	41.166	-18.467	MWD+IFR1+MS
12300.000	89.860	89.970	10619.383	35.019	0.000	41.724	0.000	35.000	0.000	0.000	44.091	41.364	-21.037	MWD+IFR1+MS
12400.000	89.840	89.950	10619.626	35.376	0.000	41.998	0.000	35.355	0.000	0.000	44.180	41.558	-23.903	MWD+IFR1+MS
12500.000	89.840	89.950	10619.890	35.756	0.000	42.283	0.000	35.735	0.000	0.000	44.294	41.750	-26.950	MWD+IFR1+MS
12600.000	89.830	89.950	10620.175	36.146	0.000	42.589	0.000	36.125	0.000	0.000	44.428	41.942	-30.360	MWD+IFR1+MS
12700.000	89.810	89.950	10620.481	36.561	0.000	42.905	0.000	36.538	0.000	0.000	44.575	42.120	-34.104	MWD+IFR1+MS
12800.000	89.800	89.950	10620.808	36.970	0.000	43.241	0.000	36.946	0.000	0.000	44.756	42.295	-37.975	MWD+IFR1+MS
12900.000	89.790	89.950	10621.157	37.401	0.000	43.575	0.000	37.376	0.000	0.000	44.959	42.446	-41.732	MWD+IFR1+MS
13000.000	89.780	89.950	10621.526	37.840	0.000	43.929	0.000	37.815	0.000	0.000	45.192	42.587	134.499	MWD+IFR1+MS
13100.000	89.770	89.950	10621.917	38.301	0.000	44.303	0.000	38.275	0.000	0.000	45.455	42.718	130.831	MWD+IFR1+MS
13200.000	89.750	89.950	10622.328	38.757	0.000	44.685	0.000	38.730	0.000	0.000	45.744	42.831	127.476	MWD+IFR1+MS
13300.000	89.730	89.950	10622.761	39.233	0.000	45.075	0.000	39.205	0.000	0.000	46.054	42.930	124.459	MWD+IFR1+MS
13400.000	89.730	89.950	10623.215	39.714	0.000	45.473	0.000	39.686	0.000	0.000	46.386	43.016	121.794	MWD+IFR1+MS
13500.000	89.720	89.950	10623.690	40.203	0.000	45.889	0.000	40.175	0.000	0.000	46.744	43.104	119.443	MWD+IFR1+MS
13600.000	89.700	89.940	10624.186	40.711	0.000	46.311	0.000	40.682	0.000	0.000	47.116	43.175	117.315	MWD+IFR1+MS
13700.000	89.690	89.940	10624.703	41.224	0.000	46.751	0.000	41.195	0.000	0.000	47.512	43.239	115.409	MWD+IFR1+MS
13800.000	89.680	89.940	10625.241	41.743	0.000	47.188	0.000	41.713	0.000	0.000	47.913	43.305	113.840	MWD+IFR1+MS
13900.000	89.670	89.940	10625.801	42.267	0.000	47.641	0.000	42.237	0.000	0.000	48.334	43.368	112.411	MWD+IFR1+MS
14000.000	89.660	89.940	10626.381	42.797	0.000	48.111	0.000	42.767	0.000	0.000	48.774	43.418	111.080	MWD+IFR1+MS
14100.000	89.640	89.940	10626.983	43.344	0.000	48.586	0.000	43.313	0.000	0.000	49.223	43.475	109.934	MWD+IFR1+MS
14200.000	89.630	89.930	10627.606	43.894	0.000	49.067	0.000	43.863	0.000	0.000	49.682	43.528	108.916	MWD+IFR1+MS
14300.000	89.620	89.930	10628.249	44.450	0.000	49.554	0.000	44.418	0.000	0.000	50.148	43.579	108.007	MWD+IFR1+MS
14400.000	89.610	89.930	10628.914	45.009	0.000	50.055	0.000	44.978	0.000	0.000	50.631	43.629	107.165	MWD+IFR1+MS
14500.000	89.590	89.930	10629.600	45.584	0.000	50.562	0.000	45.552	0.000	0.000	51.120	43.677	106.408	MWD+IFR1+MS
14600.000	89.580	89.930	10630.307	46.162	0.000	51.083	0.000	46.130	0.000	0.000	51.625	43.724	105.704	MWD+IFR1+MS
14700.000	89.560	89.930	10631.036	46.744	0.000	51.609	0.000	46.712	0.000	0.000	52.137	43.780	105.083	MWD+IFR1+MS
14800.000	89.560	89.920	10631.785	47.328	0.000	52.138	0.000	47.297	0.000	0.000	52.654	43.825	104.501	MWD+IFR1+MS
14900.000	89.550	89.920	10632.556	47.927	0.000	52.673	0.000	47.896	0.000	0.000	53.176	43.868	103.969	MWD+IFR1+MS
15000.000	89.540	89.920	10633.347	48.528	0.000	53.220	0.000	48.497	0.000	0.000	53.712	43.921	103.481	MWD+IFR1+MS
15100.000	89.520	89.920	10634.160	49.133	0.000	53.772	0.000	49.102	0.000	0.000	54.252	43.963	103.014	MWD+IFR1+MS
15200.000	89.510	89.920	10634.994	49.740	0.000	54.336	0.000	49.709	0.000	0.000	54.806	44.015	102.588	MWD+IFR1+MS
15300.000	89.500	89.920	10635.849	50.350	0.000	54.903	0.000	50.319	0.000	0.000	55.363	44.067	102.194	MWD+IFR1+MS
15400.000	89.480	89.910	10636.725	50.972	0.000	55.473	0.000	50.941	0.000	0.000	55.925	44.118	101.824	MWD+IFR1+MS
15500.000	89.470	89.910	10637.622	51.596	0.000	56.047	0.000	51.565	0.000	0.000	56.490	44.168	101.484	MWD+IFR1+MS
15600.000	89.450	89.910	10638.540	52.223	0.000	56.632	0.000	52.192	0.000	0.000	57.068	44.219	101.154	MWD+IFR1+MS
15700.000	89.450	89.910	10639.479	52.860	0.000	57.229	0.000	52.830	0.000	0.000	57.657	44.269	100.842	MWD+IFR1+MS
15800.000	89.440	89.910	10640.440	53.490	0.000	57.820	0.000	53.460	0.000	0.000	58.240	44.318	100.554	MWD+IFR1+MS
15900.000	89.430	89.910	10641.421	54.131	0.000	58.422	0.000	54.102	0.000	0.000	58.835	44.367	100.281	MWD+IFR1+MS
16000.000	89.410	89.900	10642.424	54.774	0.000	59.026	0.000	54.745	0.000	0.000	59.432	44.416	100.020	MWD+IFR1+MS
16100.000	89.400	89.900	10643.448	55.428	0.000	59.641	0.000	55.399	0.000	0.000	60.041	44.476	99.776	MWD+IFR1+MS
16200.000	89.390	89.900	10644.493	56.073	0.000	60.258	0.000	56.045	0.000	0.000	60.652	44.524	99.542	MWD+IFR1+MS
16300.000	89.380	89.900	10645.559	56.729	0.000	60.877	0.000	56.701	0.000	0.000	61.265	44.583	99.324	MWD+IFR1+MS
16400.000	89.370	89.900	10646.646	57.386	0.000	61.498	0.000	57.359	0.000	0.000	61.880	44.631	99.113	MWD+IFR1+MS
16500.000	89.340	89.900	10647.754	58.045	0.000	62.129	0.000	58.017	0.000	0.000	62.505	44.690	98.913	MWD+IFR1+MS
16600.000	89.340	89.890	10648.883	58.713	0.000	62.768	0.000	58.686	0.000	0.000	63.139	44.748	98.719	MWD+IFR1+MS
16700.000	89.330	89.890	10650.034	59.382	0.000	63.402	0.000	59.355	0.000	0.000	63.768	44.806	98.539	MWD+IFR1+MS
16800.000	89.310	89.890	10651.205	60.052	0.000	64.045	0.000	60.025	0.000	0.000	64.406	44.864	98.364	MWD+IFR1+MS
16900.000	89.310	89.890	10652.398	60.722	0.000	64.690	0.000	60.696	0.000	0.000	65.046	44.923	98.195	MWD+IFR1+MS
17000.000	89.290	89.890	10653.611	61.393	0.000	65.344	0.000	61.368	0.000	0.000	65.694	44.980	98.032	MWD+IFR1+MS
17100.000	89.280	89.890	10654.846	62.073	0.000	65.998	0.000	62.048	0.000	0.000	66.344	45.038	97.878	MWD+IFR1+MS
17200.000	89.270	89.880	10656.102	62.754	0.000	66.653	0.000	62.730	0.000	0.000	66.996	45.106	97.733	MWD+IFR1+MS
17300.000	89.260	89.880	10657.379	63.435	0.000	67.317	0.000	63.411	0.000	0.000	67.655	45.164	97.587	MWD+IFR1+MS
17400.000	89.250	89.880	10658.677	64.117	0.000	67.982	0.000	64.094	0.000	0.000	68.316	45.221	97.450	MWD+IFR1+MS

17500.000	89.230	89.880	10659.997	64.807	0.000	68.648	0.000	64.784	0.000	0.000	68.978	45.289	97.318	MWD+IFR1+MS
17600.000	89.220	89.880	10661.337	65.498	0.000	69.315	0.000	65.475	0.000	0.000	69.641	45.356	97.195	MWD+IFR1+MS
17700.000	89.200	89.880	10662.699	66.189	0.000	69.989	0.000	66.166	0.000	0.000	70.311	45.413	97.069	MWD+IFR1+MS
17800.000	89.200	89.870	10664.081	66.879	0.000	70.671	0.000	66.858	0.000	0.000	70.989	45.481	96.949	MWD+IFR1+MS
17900.000	89.180	89.870	10665.485	67.578	0.000	71.347	0.000	67.557	0.000	0.000	71.661	45.548	96.836	MWD+IFR1+MS
18000.000	89.170	89.870	10666.910	68.270	0.000	72.030	0.000	68.250	0.000	0.000	72.341	45.615	96.726	MWD+IFR1+MS
18100.000	89.160	89.870	10668.355	68.969	0.000	72.721	0.000	68.949	0.000	0.000	73.028	45.682	96.617	MWD+IFR1+MS
18200.000	89.150	89.870	10669.823	69.675	0.000	73.405	0.000	69.656	0.000	0.000	73.709	45.749	96.515	MWD+IFR1+MS
18300.000	89.140	89.870	10671.311	70.375	0.000	74.096	0.000	70.356	0.000	0.000	74.397	45.816	96.414	MWD+IFR1+MS
18400.000	89.120	89.860	10672.820	71.081	0.000	74.787	0.000	71.063	0.000	0.000	75.085	45.894	96.318	MWD+IFR1+MS
18500.000	89.110	89.860	10674.350	71.788	0.000	75.486	0.000	71.770	0.000	0.000	75.780	45.960	96.221	MWD+IFR1+MS
18600.000	89.090	89.860	10675.902	72.495	0.000	76.184	0.000	72.478	0.000	0.000	76.476	46.027	96.129	MWD+IFR1+MS
18700.000	89.090	89.860	10677.474	73.201	0.000	76.883	0.000	73.185	0.000	0.000	77.171	46.104	96.042	MWD+IFR1+MS
18800.000	89.080	89.860	10679.068	73.914	0.000	77.589	0.000	73.899	0.000	0.000	77.874	46.181	95.955	MWD+IFR1+MS
18900.000	89.060	89.860	10680.683	74.627	0.000	78.294	0.000	74.612	0.000	0.000	78.576	46.247	95.871	MWD+IFR1+MS
19000.000	89.050	89.840	10682.318	75.340	0.000	78.998	0.000	75.326	0.000	0.000	79.279	46.324	95.789	MWD+IFR1+MS
19100.000	89.040	89.840	10683.975	76.053	0.000	79.710	0.000	76.039	0.000	0.000	79.988	46.400	95.711	MWD+IFR1+MS
19200.000	89.030	89.840	10685.653	76.773	0.000	80.421	0.000	76.759	0.000	0.000	80.697	46.477	95.633	MWD+IFR1+MS
19300.000	89.020	89.840	10687.353	77.492	0.000	81.133	0.000	77.479	0.000	0.000	81.405	46.553	95.558	MWD+IFR1+MS
19400.000	89.000	89.840	10689.073	78.210	0.000	81.851	0.000	78.198	0.000	0.000	82.120	46.629	95.485	MWD+IFR1+MS
19500.000	88.980	89.840	10690.814	78.929	0.000	82.568	0.000	78.918	0.000	0.000	82.835	46.705	95.414	MWD+IFR1+MS
19600.000	88.980	89.840	10692.577	79.654	0.000	83.286	0.000	79.643	0.000	0.000	83.550	46.791	95.345	MWD+IFR1+MS
19700.000	88.970	89.840	10694.360	80.372	0.000	84.009	0.000	80.362	0.000	0.000	84.270	46.867	95.277	MWD+IFR1+MS
19800.000	88.950	89.840	10696.165	81.096	0.000	84.731	0.000	81.086	0.000	0.000	84.991	46.953	95.212	MWD+IFR1+MS
19900.000	88.940	89.840	10697.991	81.819	0.000	85.454	0.000	81.811	0.000	0.000	85.711	47.028	95.147	MWD+IFR1+MS
20000.000	88.930	89.840	10699.838	82.549	0.000	86.182	0.000	82.541	0.000	0.000	86.436	47.114	95.084	MWD+IFR1+MS
20100.000	88.920	89.840	10701.706	83.272	0.000	86.910	0.000	83.265	0.000	0.000	87.162	47.200	95.023	MWD+IFR1+MS
20200.000	88.910	89.830	10703.595	84.001	0.000	87.636	0.000	83.994	0.000	0.000	87.887	47.275	94.963	MWD+IFR1+MS
20300.000	88.890	89.830	10705.505	84.729	0.000	88.369	0.000	84.723	0.000	0.000	88.617	47.360	94.904	MWD+IFR1+MS
20400.000	88.880	89.830	10707.437	85.463	0.000	89.102	0.000	85.458	0.000	0.000	89.347	47.446	94.846	MWD+IFR1+MS
20500.000	88.870	89.830	10709.389	86.190	0.000	89.833	0.000	86.186	0.000	0.000	90.077	47.531	94.791	MWD+IFR1+MS
20600.000	88.860	89.830	10711.363	86.923	0.000	90.571	0.000	86.920	0.000	0.000	90.812	47.626	94.737	MWD+IFR1+MS
20700.000	88.840	89.830	10713.357	87.656	0.000	91.307	0.000	87.653	0.000	0.000	91.546	47.711	94.683	MWD+IFR1+MS
20800.000	88.830	89.810	10715.373	88.394	0.000	92.047	0.000	88.391	0.000	0.000	92.285	47.795	94.630	MWD+IFR1+MS
20900.000	88.810	89.810	10717.410	89.125	0.000	92.782	0.000	89.124	0.000	0.000	93.019	47.890	94.579	MWD+IFR1+MS
21000.000	88.810	89.810	10719.468	89.862	0.000	93.523	0.000	89.861	0.000	0.000	93.757	47.974	94.529	MWD+IFR1+MS
21100.000	88.800	89.810	10721.547	90.598	0.000	94.268	0.000	90.598	0.000	0.000	94.501	48.069	94.480	MWD+IFR1+MS
21200.000	88.790	89.810	10723.647	91.334	0.000	95.008	0.000	91.335	0.000	0.000	95.238	48.163	94.433	MWD+IFR1+MS
21300.000	88.770	89.810	10725.768	92.070	0.000	95.752	0.000	92.071	0.000	0.000	95.980	48.247	94.386	MWD+IFR1+MS
21400.000	88.760	89.810	10727.911	92.810	0.000	96.501	0.000	92.812	0.000	0.000	96.727	48.341	94.339	MWD+IFR1+MS
21500.000	88.750	89.810	10730.074	93.550	0.000	97.249	0.000	93.552	0.000	0.000	97.474	48.434	94.294	MWD+IFR1+MS
21600.000	88.730	89.810	10732.259	94.289	0.000	97.997	0.000	94.292	0.000	0.000	98.219	48.528	94.249	MWD+IFR1+MS
21700.000	88.730	89.810	10734.464	95.033	0.000	98.744	0.000	95.037	0.000	0.000	98.965	48.631	94.207	MWD+IFR1+MS
21800.000	88.700	89.810	10736.691	95.771	0.000	99.495	0.000	95.776	0.000	0.000	99.714	48.725	94.164	MWD+IFR1+MS
21900.000	88.700	89.810	10738.939	96.514	0.000	100.231	0.000	96.519	0.000	0.000	100.448	48.818	94.123	MWD+IFR1+MS
22000.000	88.690	89.800	10741.208	97.256	0.000	100.975	0.000	97.263	0.000	0.000	101.192	48.921	94.083	MWD+IFR1+MS
22100.000	88.680	89.800	10743.498	97.998	0.000	101.715	0.000	98.005	0.000	0.000	101.930	49.013	94.044	MWD+IFR1+MS
22200.000	88.660	89.800	10745.809	98.745	0.000	102.499	0.000	98.752	0.000	0.000	102.711	49.116	94.002	MWD+IFR1+MS
22300.000	88.650	89.800	10748.142	99.490	0.000	103.227	0.000	99.499	0.000	0.000	103.439	49.208	93.965	MWD+IFR1+MS
22400.000	88.640	89.800	10750.495	100.191	0.000	103.999	0.000	100.200	0.000	0.000	104.209	49.310	93.926	MWD+IFR1+MS
22500.000	88.630	89.800	10752.870	100.936	0.000	104.766	0.000	100.946	0.000	0.000	104.974	49.412	93.888	MWD+IFR1+MS
22600.000	88.620	89.790	10755.265	101.724	0.000	105.525	0.000	101.735	0.000	0.000	105.733	49.514	93.851	MWD+IFR1+MS
22700.000	88.590	89.790	10757.682	102.458	0.000	106.281	0.000	102.470	0.000	0.000	106.486	49.615	93.815	MWD+IFR1+MS

22800.000	88.590	89.790	10760.120	103.187	0.000	107.030	0.000	103.199	0.000	0.000	107.235	49.717	93.780	MWD+IFR1+MS
22900.000	88.580	89.790	10762.579	103.958	0.000	107.775	0.000	103.971	0.000	0.000	107.978	49.828	93.747	MWD+IFR1+MS
23000.000	88.560	89.790	10765.059	104.676	0.000	108.561	0.000	104.690	0.000	0.000	108.762	49.929	93.711	MWD+IFR1+MS
23100.000	88.560	89.790	10767.560	105.437	0.000	109.295	0.000	105.451	0.000	0.000	109.495	50.029	93.679	MWD+IFR1+MS
23200.000	88.540	89.780	10770.082	106.192	0.000	110.069	0.000	106.207	0.000	0.000	110.268	50.140	93.645	MWD+IFR1+MS
23300.000	88.530	89.780	10772.625	106.942	0.000	110.838	0.000	106.958	0.000	0.000	111.036	50.240	93.612	MWD+IFR1+MS
23400.000	88.520	89.780	10775.190	107.687	0.000	111.602	0.000	107.703	0.000	0.000	111.798	50.350	93.580	MWD+IFR1+MS
23500.000	88.510	89.780	10777.775	108.426	0.000	112.361	0.000	108.444	0.000	0.000	112.556	50.460	93.549	MWD+IFR1+MS
23600.000	88.500	89.780	10780.382	109.207	0.000	113.115	0.000	109.225	0.000	0.000	113.308	50.569	93.519	MWD+IFR1+MS
23700.000	88.480	89.780	10783.010	109.936	0.000	113.908	0.000	109.955	0.000	0.000	114.099	50.679	93.486	MWD+IFR1+MS
23800.000	88.470	89.770	10785.658	110.705	0.000	114.650	0.000	110.725	0.000	0.000	114.842	50.788	93.458	MWD+IFR1+MS
23850.000	88.470	89.770	10787.000	111.066	0.000	115.042	0.000	111.086	0.000	0.000	115.233	50.847	93.443	MWD+IFR1+MS

Plan Targets		JRUI DI11 Ekalaka 121H			
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
Kick Off Pt 1	10331.63	504327.70	632811.50	6731.80	CIRCLE
Rev 2 FTP 1	11236.58	504655.50	633527.60	7484.00	CIRCLE
FTP 1	11531.14	504327.70	633527.60	7448.00	RECTANGLE
BHL 1	24239.51	504351.14	646140.56	7448.00	RECTANGLE
Rev 2 BHL 1	23860.00	504681.07	646138.94	7645.00	CIRCLE



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CACTUS

20" x 9-5/8" x 7-5/8" x 5-1/2"
With 11" 10M x 7-1/16" 10M
And 9-5/8", 7-5/8" & 5-1/2" Pipe

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 77096

COMMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 77096
	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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CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	5/19/2022