Received by OCD: 11/6/2024 12:09:17 PM

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

Sundry Print Report

10/15/2024

Well Name: JAMES RANCH UNIT DI 11 EKALAKA

Well Location: T22S / R30E / SEC 17 / NWSE / 32.390772 / -103.902527

County or Parish/State: EDDY / NM

Well Number: 801H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM0002953

Unit or CA Name: JAMES RANCH

Unit or CA Number: NMNM070965Z

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2642439

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 11/02/2021

Time Sundry Submitted: 08:39

Date proposed operation will begin: 11/04/2021

Procedure Description: ***Name Change, Well Type, Spacing, Casing/Cement, Drilling Variance Changes XTO Permian Operating, LLC requests permission to make the following changes to the original APD: Change name fr/James Ranch Unit DI 11 Ekalaka 801H to James Ranch Unit DI 11 Ekalaka SL 001H Change pool fr/Wildcat; Bone Spring to Stratagraphic XTO Permian Operating, LLC. requests to make this a monitoring well to collect formation pressure responses in establishing greater understanding of parent/child relationships between wellbores. This data is beneficial for James Ranch Unit to assist in an accelerated understanding of the number of wells and spacing configurations required to optimize Federal oil and gas mineral development throughout the unit. The monitoring well will either be converted to a producer or be plugged within 5-years of drill or when downhole gauges are no longer responsive, whichever comes first. No Additional Surface Disturbance Change BHL fr/990'FSL & 50'FEL, Section 15-T22S-R30E to 765'FSL & 50'FEL, Section 10-T25S-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_Ekalaka_001H_NOI_Attachments_20211102083925.pdf

Released to Imaging: 11/13/2024 2:49:19 PM

Well Name: JAMES RANCH UNIT DI 11 EKALAKA	**Well Location:** T22S / R30E / SEC 17 / NWSE / 32.390772 / -103.902527	**County or Parish/State:** EDDY / NM
Well Number: 801H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM0002953	**Unit or CA Name:** JAMES RANCH	**Unit or CA Number:** NMNM070965Z
US Well Number:	**Operator:** XTO PERMIAN OPERATING LLC	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: STEPHANIE RABADUE

Signed on: NOV 02, 2021 08:39 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Coordinator

Street Address: 500 W. Illinois St, Ste 100

City: Midland **State:** TX

Phone: (432) 620-6714

Email address: STEPHANIE.RABADUE@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 11/05/2021

Signature: Chris Walls

CONFIDENTIAL

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Additional Remarks

No Additional Surface Disturbance

Change BHL fr/990FSL & 50FEL, Section 15-T22S-R30E to 765FSL & 50FEL, Section 10-T25S-R30E

Casing/Cement design per the attached drilling program.

Attachments:

C102

Drilling Program

Directional Plan

Multibowl Diagram

Location of Well

0. SHL: NWSE / 2105 FSL / 2337 FEL / TWSP: 22S / RANGE: 30E / SECTION: 17 / LAT: 32.390772 / LONG: -103.902527 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 990 FSL / 330 FWL / TWSP: 22S / RANGE: 30E / SECTION: 15 / LAT: 32.386742 / LONG: -103.875413 (TVD: 10132 feet, MD: 21000 feet)

PPP: SESE / 990 FSL / 100 FEL / TWSP: 22S / RANGE: 30E / SECTION: 15 / LAT: 32.387624 / LONG: -103.860567 (TVD: 10153 feet, MD: 23637 feet)

BHL: SESE / 990 FSL / 50 FEL / TWSP: 22S / RANGE: 30E / SECTION: 15 / LAT: 32.387623 / LONG: -103.860405 (TVD: 10154 feet, MD: 23687 feet)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

PRE-COMPLETION

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-	98210	Stratagraphic

[4] Property Code	[5] Property Name	[6] Well Number
	JAMES RANCH UNIT DI 11 EKALAKA SL	001H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,114'

[10] Surface Location

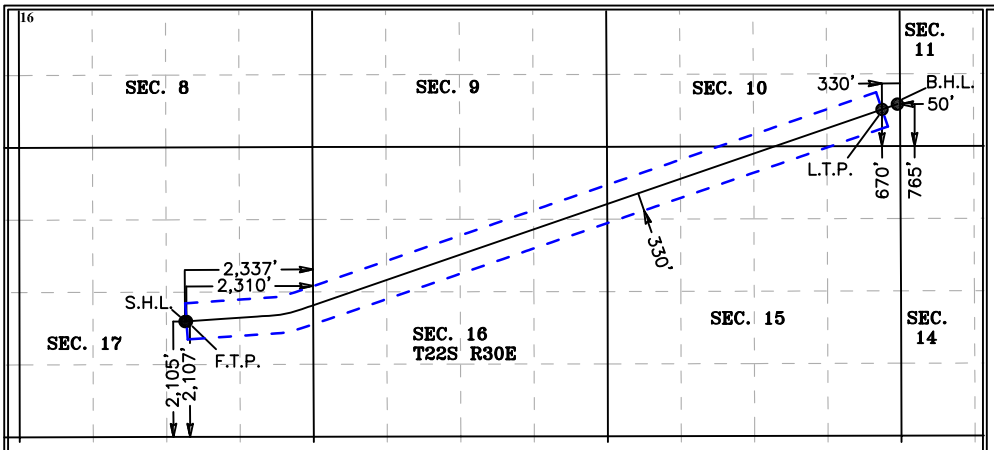
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	22S	30E		2,105	SOUTH	2,337	EAST	EDDY

[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	10	22S	30E		765	SOUTH	50	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
0			

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. NOTE: DATA FURNISHED BY XTO ENERGY



SHL (NAD83 NME)		LTP (NAD83 NME)		SHL (NAD27 NME)		LTP (NAD27 NME)	
Y =	506,162.3	Y =	510,027.9	Y =	506,101.5	Y =	509,967.1
X =	674,313.4	X =	687,017.3	X =	633,132.0	X =	645,836.0
LAT. =	32.390772 °N	LAT. =	32.401251 °N	LAT. =	32.390650 °N	LAT. =	32.401128 °N
LONG. =	103.902527 °W	LONG. =	103.861315 °W	LONG. =	103.902031 °W	LONG. =	103.860820 °W
FTP (NAD83 NME)		**BHL (NAD83 NME)**		**FTP (NAD27 NME)**		**BHL (NAD27 NME)**	
Y =	506,164.1	Y =	510,124.1	Y =	506,103.3	Y =	510,063.3
X =	674,340.3	X =	687,296.8	X =	633,128.9	X =	646,115.5
LAT. =	32.390777 °N	LAT. =	32.401512 °N	LAT. =	32.390655 °N	LAT. =	32.401389 °N
LONG. =	103.902440 °W	LONG. =	103.860408 °W	LONG. =	103.902041 °W	LONG. =	103.859913 °W

[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 10/06/2021
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.

10-6-2021
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number RM 2021010011

P:\PROJECTS\2021\2021010011-XTO-JAMES_RANCH_UNIT_DI_11_EKALAKA_SL_001H(801H)-EDDY\DWG\2021010011-XTO-JAMES_RANCH_UNIT_DI_11_EKALAKA_SL_001H_C-102.dwg, Letter

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

XTO Energy Inc.
James Ranch Unit DI 11 Ekalaka SL 001H
Projected TD: 21615' MD / 10356' TVD
SHL: 2105' FSL & 2337' FEL , Section 17, T22S, R30E
BHL: 765' FSL & 50' FEL , Section 10, 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	67'	Water
Top of Salt	690'	Water
Base of Salt	3197'	Water
Delaware	3425'	Water
Brushy Canyon	5986'	Water/Oil/Gas
Bone Spring	7216'	Water
1st Bone Spring Ss	8171'	Water/Oil/Gas
2nd Bone Spring Ss	8786'	Water/Oil/Gas
3rd Bone Spring Ss	10165'	Water/Oil/Gas
Target/Land Curve	10356'	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 18.625 inch casing @ 665' (25' above the salt) and circulating cement back to surface. The salt will be isolated by setting 13.375 inch casing at 3297' and circulating cement to surface. The second intermediate will isolate from the salt down to the next casing seat by setting 9.625 inch casing at 8980' and cementing to surface. A 8.75 inch curve and 8.75 inch lateral hole will be drilled to 21615 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 8480 feet) per Potash regulations.

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
24	0' – 665'	18.625	87.5	J-55	BTC	New	2.27	2.14	22.84
17.5	0' – 3297'	13.375	54.5	J-55	BTC	New	1.34	1.13	4.75
12.25	0' – 3397'	9.625	40	HC P-110	BTC	New	3.08	2.78	3.51
12.25	3397' – 8980'	9.625	40	HC L-80	BTC	New	2.24	2.70	4.10
8.75	0' – 8880'	5.5	23	RY P-110	Semi-Premium	New	1.21	3.50	1.87
8.75	8880' - 9500'	5.5	23	RY P-110	Semi-Flush	New	1.21	3.27	3.28
8.75	9500' - 21615'	5.5	23	RY P-110	Semi-Flush	New	1.21	3.00	3.55

· 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
· 18.625 Collapse analyzed using 50% evacuation based on regional experience.
· 9.625 Collapse analyzed using 50% evacuation based on regional experience.
· 9.625 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: 18.625, 87.5 New BTC, J-55 casing to be set at +/- 665'

Lead: 480 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 550 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: 13.375, 54.5 New BTC, J-55 casing to be set at +/- 3297'

Lead: 2990 sxs Class C (mixed at 12.9 ppg, 1.39 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 = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 9.625, 40 New casing to be set at +/- 8980'
1st Stage
Optional Lead: 480 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: 3097
Tail: 860 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 5986
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: 1090 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 (5986') 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 +/- 21615'

Lead: 100 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 8480 feet
Tail: 2660 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9374 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 2568 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 nippling up on the 18.625, 3M bradenhead and flange, the BOP test will be limited to 3000 psi. When nippling up on the 9.625, 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' - 665'	24	FW/Native	8.5-9	35-40	NC
665' - 3297'	17.5	Brine	10-10.5	30-32	NC
3297' to 8980'	12.25	FW / Cut Brine	8.6-9.1	30-32	NC
8980' to 21615'	8.75	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 18-5/8" 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 18.625 casing.

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.
Pressure gauges and fiber lines will be mounted external to the 5-1/2" production casing to monitor pressure and temperature.
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 4847 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.

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Well Plan Report - JRU DI11 SL001H

Measured Depth:	21615.00 ft	**Site:**	JRU Slant Well
TVD RKB:	10356.41 ft		
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	506101.25 ft		
Easting:	633132.00 ft		
RKB:	3142.00 ft		
Ground Level:	3132.00 ft		
North Reference:	Grid		
Convergence Angle:	0.23 Deg		

Plan Sections JRU DI11 SL001H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	
4303.05	18.06	86.08	4288.17	9.65	140.83	2.00	0.00	2.00	
9374.98	18.06	86.08	9110.19	117.09	1709.60	0.00	0.00	0.00	
10145.27	79.00	71.00	9597.79	262.65	2238.17	7.91	-1.96	8.00	
13145.26	79.00	71.00	10170.21	1221.40	5022.60	0.00	0.00	0.00	
13845.26	79.00	71.00	10303.78	1445.11	5672.30	0.00	0.00	0.00	
14395.26	90.00	71.00	10356.41	1623.08	6189.15	2.00	0.00	2.00	
21615.26	90.00	71.00	10356.41	3973.68	13015.79	0.00	0.00	0.00	

Position Uncertainty JRU DI11 SL001H

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

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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	0.000	0.000	3300.000	12.309	0.000	12.309	0.000	4.656	0.000	0.000	12.773	11.826	135.000	MWD+IFR1+MS
3400.000	0.000	0.000	3400.000	12.669	0.000	12.669	0.000	4.782	0.000	0.000	13.134	12.186	135.000	MWD+IFR1+MS
3500.000	1.999	86.080	3499.980	13.148	0.000	12.944	0.000	4.911	0.000	0.000	13.509	12.575	-42.409	MWD+IFR1+MS
3600.000	4.000	86.080	3599.838	13.651	0.000	13.286	0.000	5.043	0.000	0.000	13.911	13.041	-35.543	MWD+IFR1+MS
3700.000	6.000	86.080	3699.452	14.132	0.000	13.630	0.000	5.178	0.000	0.000	14.338	13.477	-28.553	MWD+IFR1+MS
3800.000	7.999	86.080	3798.702	14.589	0.000	13.977	0.000	5.317	0.000	0.000	14.781	13.886	-22.278	MWD+IFR1+MS
3900.000	10.000	86.080	3897.465	15.021	0.000	14.319	0.000	5.463	0.000	0.000	15.233	14.268	-17.008	MWD+IFR1+MS
4000.000	11.990	86.080	3995.623	15.433	0.000	14.663	0.000	5.615	0.000	0.000	15.690	14.636	-12.829	MWD+IFR1+MS
4100.000	14.000	86.080	4093.055	15.819	0.000	15.005	0.000	5.776	0.000	0.000	16.143	14.994	-9.572	MWD+IFR1+MS
4200.000	15.990	86.080	4189.643	16.188	0.000	15.347	0.000	5.946	0.000	0.000	16.595	15.343	-6.967	MWD+IFR1+MS
4303.000	18.060	86.080	4288.169	16.554	0.000	15.701	0.000	6.133	0.000	0.000	17.062	15.700	-4.720	MWD+IFR1+MS
4400.000	18.060	86.080	4380.342	16.917	0.000	16.035	0.000	6.292	0.000	0.000	17.406	16.035	-3.652	MWD+IFR1+MS
4500.000	18.060	86.080	4475.415	17.240	0.000	16.382	0.000	6.451	0.000	0.000	17.716	16.382	-3.182	MWD+IFR1+MS
4600.000	18.060	86.080	4570.487	17.569	0.000	16.731	0.000	6.614	0.000	0.000	18.031	16.730	-2.684	MWD+IFR1+MS
4700.000	18.060	86.080	4665.560	17.902	0.000	17.084	0.000	6.782	0.000	0.000	18.348	17.083	-2.179	MWD+IFR1+MS
4800.000	18.060	86.080	4760.633	18.237	0.000	17.437	0.000	6.953	0.000	0.000	18.669	17.435	-1.658	MWD+IFR1+MS
4900.000	18.060	86.080	4855.705	18.575	0.000	17.793	0.000	7.127	0.000	0.000	18.993	17.790	-1.132	MWD+IFR1+MS
5000.000	18.060	86.080	4950.778	18.919	0.000	18.151	0.000	7.306	0.000	0.000	19.321	18.146	-0.592	MWD+IFR1+MS
5100.000	18.060	86.080	5045.851	19.264	0.000	18.512	0.000	7.488	0.000	0.000	19.652	18.507	-0.043	MWD+IFR1+MS
5200.000	18.060	86.080	5140.924	19.612	0.000	18.872	0.000	7.674	0.000	0.000	19.985	18.865	0.516	MWD+IFR1+MS
5300.000	18.060	86.080	5235.996	19.964	0.000	19.236	0.000	7.863	0.000	0.000	20.323	19.227	1.083	MWD+IFR1+MS
5400.000	18.060	86.080	5331.069	20.319	0.000	19.600	0.000	8.055	0.000	0.000	20.662	19.590	1.659	MWD+IFR1+MS
5500.000	18.060	86.080	5426.142	20.675	0.000	19.966	0.000	8.250	0.000	0.000	21.004	19.953	2.241	MWD+IFR1+MS
5600.000	18.060	86.080	5521.214	21.033	0.000	20.334	0.000	8.448	0.000	0.000	21.347	20.320	2.838	MWD+IFR1+MS
5700.000	18.060	86.080	5616.287	21.395	0.000	20.704	0.000	8.649	0.000	0.000	21.695	20.687	3.436	MWD+IFR1+MS
5800.000	18.060	86.080	5711.360	21.758	0.000	21.074	0.000	8.854	0.000	0.000	22.043	21.054	4.041	MWD+IFR1+MS
5900.000	18.060	86.080	5806.432	22.122	0.000	21.444	0.000	9.061	0.000	0.000	22.394	21.422	4.650	MWD+IFR1+MS
6000.000	18.060	86.080	5901.505	22.490	0.000	21.816	0.000	9.272	0.000	0.000	22.748	21.791	5.253	MWD+IFR1+MS
6100.000	18.060	86.080	5996.578	22.860	0.000	22.190	0.000	9.484	0.000	0.000	23.103	22.162	5.871	MWD+IFR1+MS
6200.000	18.060	86.080	6091.651	23.230	0.000	22.564	0.000	9.701	0.000	0.000	23.459	22.533	6.493	MWD+IFR1+MS
6300.000	18.060	86.080	6186.723	23.603	0.000	22.939	0.000	9.920	0.000	0.000	23.819	22.905	7.101	MWD+IFR1+MS
6400.000	18.060	86.080	6281.796	23.976	0.000	23.315	0.000	10.139	0.000	0.000	24.178	23.277	7.727	MWD+IFR1+MS
6500.000	18.060	86.080	6376.869	24.353	0.000	23.692	0.000	10.363	0.000	0.000	24.542	23.652	8.336	MWD+IFR1+MS
6600.000	18.060	86.080	6471.941	24.729	0.000	24.071	0.000	10.588	0.000	0.000	24.905	24.026	8.962	MWD+IFR1+MS
6700.000	18.060	86.080	6567.014	25.108	0.000	24.449	0.000	10.817	0.000	0.000	25.270	24.401	9.569	MWD+IFR1+MS
6800.000	18.060	86.080	6662.087	25.487	0.000	24.828	0.000	11.050	0.000	0.000	25.637	24.776	10.171	MWD+IFR1+MS
6900.000	18.060	86.080	6757.159	25.868	0.000	25.209	0.000	11.287	0.000	0.000	26.004	25.153	10.794	MWD+IFR1+MS
7000.000	18.060	86.080	6852.232	26.250	0.000	25.590	0.000	11.524	0.000	0.000	26.374	25.530	11.391	MWD+IFR1+MS

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7100.000	18.060	86.080	6947.305	26.633	0.000	25.971	0.000	11.760	0.000	0.000	26.745	25.907	11.984	MWD+IFR1+MS
7200.000	18.060	86.080	7042.378	27.019	0.000	26.353	0.000	12.004	0.000	0.000	27.118	26.285	12.543	MWD+IFR1+MS
7300.000	18.060	86.080	7137.450	27.403	0.000	26.735	0.000	12.247	0.000	0.000	27.490	26.662	13.125	MWD+IFR1+MS
7400.000	18.060	86.080	7232.523	27.789	0.000	27.118	0.000	12.498	0.000	0.000	27.865	27.042	13.697	MWD+IFR1+MS
7500.000	18.060	86.080	7327.596	28.177	0.000	27.502	0.000	12.748	0.000	0.000	28.241	27.422	14.232	MWD+IFR1+MS
7600.000	18.060	86.080	7422.668	28.566	0.000	27.886	0.000	12.996	0.000	0.000	28.618	27.801	14.768	MWD+IFR1+MS
7700.000	18.060	86.080	7517.741	28.955	0.000	28.270	0.000	13.251	0.000	0.000	28.995	28.181	15.281	MWD+IFR1+MS
7800.000	18.060	86.080	7612.814	29.346	0.000	28.656	0.000	13.509	0.000	0.000	29.375	28.562	15.795	MWD+IFR1+MS
7900.000	18.060	86.080	7707.886	29.736	0.000	29.042	0.000	13.770	0.000	0.000	29.753	28.944	16.330	MWD+IFR1+MS
8000.000	18.060	86.080	7802.959	30.128	0.000	29.428	0.000	14.032	0.000	0.000	30.135	29.325	16.799	MWD+IFR1+MS
8100.000	18.060	86.080	7898.032	30.520	0.000	29.814	0.000	14.297	0.000	0.000	30.516	29.707	17.279	MWD+IFR1+MS
8200.000	18.060	86.080	7993.105	30.913	0.000	30.202	0.000	14.564	0.000	0.000	30.898	30.090	17.758	MWD+IFR1+MS
8300.000	18.060	86.080	8088.177	31.308	0.000	30.589	0.000	14.832	0.000	0.000	31.282	30.473	18.192	MWD+IFR1+MS
8400.000	18.060	86.080	8183.250	31.704	0.000	30.977	0.000	15.103	0.000	0.000	31.666	30.857	18.614	MWD+IFR1+MS
8500.000	18.060	86.080	8278.323	32.087	0.000	31.365	0.000	15.379	0.000	0.000	32.040	31.239	19.312	MWD+IFR1+MS
8600.000	18.060	86.080	8373.395	32.489	0.000	31.740	0.000	15.652	0.000	0.000	32.430	31.612	19.262	MWD+IFR1+MS
8700.000	18.060	86.080	8468.468	32.888	0.000	32.132	0.000	15.934	0.000	0.000	32.818	32.000	19.693	MWD+IFR1+MS
8800.000	18.060	86.080	8563.541	33.282	0.000	32.520	0.000	16.214	0.000	0.000	33.202	32.383	20.113	MWD+IFR1+MS
8900.000	18.060	86.080	8658.613	33.685	0.000	32.918	0.000	16.498	0.000	0.000	33.596	32.777	20.524	MWD+IFR1+MS
9000.000	18.060	86.080	8753.686	34.085	0.000	33.297	0.000	16.784	0.000	0.000	33.984	33.153	20.589	MWD+IFR1+MS
9100.000	18.060	86.080	8848.759	34.480	0.000	33.701	0.000	17.073	0.000	0.000	34.371	33.550	21.322	MWD+IFR1+MS
9200.000	18.060	86.080	8943.831	34.872	0.000	34.086	0.000	17.364	0.000	0.000	34.752	33.930	21.710	MWD+IFR1+MS
9300.000	18.060	86.080	9038.904	35.272	0.000	34.481	0.000	17.658	0.000	0.000	35.144	34.321	22.089	MWD+IFR1+MS
9374.900	18.060	86.080	9110.189	35.579	0.000	34.770	0.000	17.877	0.000	0.000	35.442	34.610	21.944	MWD+IFR1+MS
9400.000	19.980	84.380	9133.842	35.532	0.000	34.891	0.000	17.953	0.000	0.000	35.541	34.710	21.993	MWD+IFR1+MS
9500.000	27.770	79.870	9225.217	35.485	0.000	35.378	0.000	18.417	0.000	0.000	36.301	35.118	17.624	MWD+IFR1+MS
9600.000	35.650	77.220	9310.218	35.686	0.000	35.904	0.000	19.321	0.000	0.000	37.526	35.550	11.966	MWD+IFR1+MS
9700.000	43.570	75.440	9387.190	35.466	0.000	36.399	0.000	20.472	0.000	0.000	38.545	35.977	9.006	MWD+IFR1+MS
9800.000	51.510	74.110	9454.634	34.879	0.000	36.886	0.000	21.845	0.000	0.000	39.368	36.403	7.490	MWD+IFR1+MS
9900.000	59.470	73.040	9511.239	33.990	0.000	37.348	0.000	23.399	0.000	0.000	39.979	36.819	6.746	MWD+IFR1+MS
10000.000	67.420	72.140	9555.902	32.908	0.000	37.783	0.000	25.070	0.000	0.000	40.403	37.210	6.746	MWD+IFR1+MS
10100.000	75.390	71.340	9587.754	31.752	0.000	38.191	0.000	26.805	0.000	0.000	40.685	37.560	7.593	MWD+IFR1+MS
10145.000	79.000	71.000	9597.786	30.767	0.000	38.371	0.000	27.078	0.000	0.000	40.767	37.710	8.254	MWD+IFR1+MS
10200.000	79.000	71.000	9608.228	30.947	0.000	38.573	0.000	27.242	0.000	0.000	40.829	37.894	9.305	MWD+IFR1+MS
10300.000	79.000	71.000	9627.309	31.249	0.000	38.941	0.000	27.514	0.000	0.000	40.970	38.216	11.432	MWD+IFR1+MS
10400.000	79.000	71.000	9646.390	31.569	0.000	39.319	0.000	27.806	0.000	0.000	41.122	38.535	13.977	MWD+IFR1+MS
10500.000	79.000	71.000	9665.470	31.906	0.000	39.721	0.000	28.118	0.000	0.000	41.300	38.863	16.979	MWD+IFR1+MS
10600.000	79.000	71.000	9684.551	32.257	0.000	40.132	0.000	28.445	0.000	0.000	41.495	39.181	20.469	MWD+IFR1+MS
10700.000	79.000	71.000	9703.632	32.623	0.000	40.552	0.000	28.789	0.000	0.000	41.702	39.483	24.546	MWD+IFR1+MS
10800.000	79.000	71.000	9722.713	33.004	0.000	40.983	0.000	29.150	0.000	0.000	41.957	39.770	28.754	MWD+IFR1+MS
10900.000	79.000	71.000	9741.794	33.397	0.000	41.421	0.000	29.525	0.000	0.000	42.231	40.032	33.276	MWD+IFR1+MS
11000.000	79.000	71.000	9760.875	33.803	0.000	41.880	0.000	29.913	0.000	0.000	42.549	40.281	37.756	MWD+IFR1+MS
11100.000	79.000	71.000	9779.956	34.223	0.000	42.337	0.000	30.318	0.000	0.000	42.894	40.498	41.838	MWD+IFR1+MS
11200.000	79.000	71.000	9799.037	34.654	0.000	42.812	0.000	30.736	0.000	0.000	43.272	40.701	45.664	MWD+IFR1+MS
11300.000	79.000	71.000	9818.118	35.097	0.000	43.285	0.000	31.166	0.000	0.000	43.669	40.878	48.897	MWD+IFR1+MS
11400.000	79.000	71.000	9837.199	35.551	0.000	43.776	0.000	31.609	0.000	0.000	44.099	41.052	51.686	MWD+IFR1+MS
11500.000	79.000	71.000	9856.279	36.016	0.000	44.275	0.000	32.062	0.000	0.000	44.548	41.213	54.065	MWD+IFR1+MS
11600.000	79.000	71.000	9875.360	36.490	0.000	44.780	0.000	32.527	0.000	0.000	45.012	41.363	56.093	MWD+IFR1+MS
11700.000	79.000	71.000	9894.441	36.972	0.000	45.292	0.000	33.000	0.000	0.000	45.492	41.514	57.749	MWD+IFR1+MS
11800.000	79.000	71.000	9913.522	37.476	0.000	45.821	0.000	33.496	0.000	0.000	45.993	41.661	59.234	MWD+IFR1+MS
11900.000	79.000	71.000	9932.603	37.973	0.000	46.346	0.000	33.985	0.000	0.000	46.496	41.799	60.453	MWD+IFR1+MS
12000.000	79.000	71.000	9951.684	38.489	0.000	46.887	0.000	34.496	0.000	0.000	47.016	41.934	61.560	MWD+IFR1+MS
12100.000	79.000	71.000	9970.765	39.012	0.000	47.423	0.000	35.014	0.000	0.000	47.537	42.063	62.477	MWD+IFR1+MS

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12200.000	79.000	71.000	9989.846	39.542	0.000	47.975	0.000	35.539	0.000	0.000	48.075	42.199	63.284	MWD+IFR1+MS
12300.000	79.000	71.000	10008.927	40.078	0.000	48.533	0.000	36.069	0.000	0.000	48.621	42.332	63.992	MWD+IFR1+MS
12400.000	79.000	71.000	10028.008	40.631	0.000	49.097	0.000	36.620	0.000	0.000	49.175	42.471	64.580	MWD+IFR1+MS
12500.000	79.000	71.000	10047.088	41.178	0.000	49.664	0.000	37.162	0.000	0.000	49.733	42.599	65.148	MWD+IFR1+MS
12600.000	79.000	71.000	10066.169	41.741	0.000	50.237	0.000	37.723	0.000	0.000	50.298	42.733	65.622	MWD+IFR1+MS
12700.000	79.000	71.000	10085.250	42.310	0.000	50.822	0.000	38.288	0.000	0.000	50.877	42.867	66.080	MWD+IFR1+MS
12800.000	79.000	71.000	10104.331	42.883	0.000	51.405	0.000	38.859	0.000	0.000	51.454	43.006	66.439	MWD+IFR1+MS
12900.000	79.000	71.000	10123.412	43.461	0.000	51.999	0.000	39.433	0.000	0.000	52.042	43.135	66.817	MWD+IFR1+MS
13000.000	79.000	71.000	10142.493	44.042	0.000	52.598	0.000	40.012	0.000	0.000	52.637	43.271	67.135	MWD+IFR1+MS
13100.000	79.000	71.000	10161.574	44.639	0.000	53.200	0.000	40.608	0.000	0.000	53.235	43.405	67.427	MWD+IFR1+MS
13145.000	79.000	71.000	10170.212	44.910	0.000	53.474	0.000	40.878	0.000	0.000	53.507	43.474	67.542	MWD+IFR1+MS
13200.000	79.000	71.000	10180.655	45.229	0.000	53.798	0.000	41.195	0.000	0.000	53.829	43.548	67.666	MWD+IFR1+MS
13300.000	79.000	71.000	10199.736	45.832	0.000	54.407	0.000	41.797	0.000	0.000	54.435	43.679	67.918	MWD+IFR1+MS
13400.000	79.000	71.000	10218.817	46.440	0.000	55.028	0.000	42.403	0.000	0.000	55.053	43.819	68.149	MWD+IFR1+MS
13500.000	79.000	71.000	10237.897	47.051	0.000	55.646	0.000	43.012	0.000	0.000	55.669	43.965	68.327	MWD+IFR1+MS
13600.000	79.000	71.000	10256.978	47.671	0.000	56.273	0.000	43.635	0.000	0.000	56.294	44.102	68.530	MWD+IFR1+MS
13700.000	79.000	71.000	10276.059	48.287	0.000	56.897	0.000	44.249	0.000	0.000	56.915	44.246	68.686	MWD+IFR1+MS
13800.000	79.000	71.000	10295.140	48.920	0.000	57.531	0.000	44.878	0.000	0.000	57.548	44.388	68.844	MWD+IFR1+MS
13845.000	79.000	71.000	10303.778	49.198	0.000	57.821	0.000	45.155	0.000	0.000	57.836	44.452	68.924	MWD+IFR1+MS
13900.000	80.090	71.000	10313.707	49.184	0.000	58.167	0.000	45.508	0.000	0.000	58.181	44.530	69.000	MWD+IFR1+MS
14000.000	82.090	71.000	10329.187	49.144	0.000	58.798	0.000	46.163	0.000	0.000	58.811	44.657	69.136	MWD+IFR1+MS
14100.000	84.090	71.000	10341.209	49.122	0.000	59.433	0.000	46.861	0.000	0.000	59.445	44.769	69.265	MWD+IFR1+MS
14200.000	86.090	71.000	10349.760	49.067	0.000	60.070	0.000	47.550	0.000	0.000	60.080	44.870	69.397	MWD+IFR1+MS
14300.000	88.090	71.000	10354.828	48.989	0.000	60.701	0.000	48.239	0.000	0.000	60.711	44.958	69.519	MWD+IFR1+MS
14395.000	90.000	71.000	10356.412	48.898	0.000	61.300	0.000	48.898	0.000	0.000	61.308	45.025	69.634	MWD+IFR1+MS
14400.000	90.000	71.000	10356.412	48.929	0.000	61.327	0.000	48.929	0.000	0.000	61.335	45.023	69.643	MWD+IFR1+MS
14500.000	90.000	71.000	10356.412	49.568	0.000	61.954	0.000	49.568	0.000	0.000	61.961	45.087	69.761	MWD+IFR1+MS
14600.000	90.000	71.000	10356.412	50.210	0.000	62.585	0.000	50.210	0.000	0.000	62.591	45.148	69.868	MWD+IFR1+MS
14700.000	90.000	71.000	10356.412	50.863	0.000	63.226	0.000	50.863	0.000	0.000	63.231	45.209	69.976	MWD+IFR1+MS
14800.000	90.000	71.000	10356.412	51.517	0.000	63.862	0.000	51.517	0.000	0.000	63.867	45.278	70.061	MWD+IFR1+MS
14900.000	90.000	71.000	10356.412	52.173	0.000	64.508	0.000	52.173	0.000	0.000	64.512	45.346	70.149	MWD+IFR1+MS
15000.000	90.000	71.000	10356.412	52.830	0.000	65.157	0.000	52.830	0.000	0.000	65.160	45.412	70.232	MWD+IFR1+MS
15100.000	90.000	71.000	10356.412	53.498	0.000	65.807	0.000	53.498	0.000	0.000	65.810	45.476	70.308	MWD+IFR1+MS
15200.000	90.000	71.000	10356.412	54.166	0.000	66.466	0.000	54.166	0.000	0.000	66.468	45.541	70.390	MWD+IFR1+MS
15300.000	90.000	71.000	10356.412	54.836	0.000	67.122	0.000	54.836	0.000	0.000	67.123	45.612	70.451	MWD+IFR1+MS
15400.000	90.000	71.000	10356.412	55.507	0.000	67.785	0.000	55.507	0.000	0.000	67.786	45.673	70.522	MWD+IFR1+MS
15500.000	90.000	71.000	10356.412	56.187	0.000	68.451	0.000	56.187	0.000	0.000	68.452	45.743	70.582	MWD+IFR1+MS
15600.000	90.000	71.000	10356.412	56.868	0.000	69.118	0.000	56.868	0.000	0.000	69.119	45.811	70.640	MWD+IFR1+MS
15700.000	90.000	71.000	10356.412	57.550	0.000	69.788	0.000	57.550	0.000	0.000	69.788	45.887	70.688	MWD+IFR1+MS
15800.000	90.000	71.000	10356.412	58.232	0.000	70.458	0.000	58.232	0.000	0.000	70.459	45.952	70.739	MWD+IFR1+MS
15900.000	90.000	71.000	10356.412	58.915	0.000	71.131	0.000	58.915	0.000	0.000	71.131	46.025	70.783	MWD+IFR1+MS
16000.000	90.000	71.000	10356.412	59.607	0.000	71.812	0.000	59.607	0.000	0.000	71.812	46.098	70.828	MWD+IFR1+MS
16100.000	90.000	71.000	10356.412	60.299	0.000	72.494	0.000	60.299	0.000	0.000	72.494	46.169	70.872	MWD+IFR1+MS
16200.000	90.000	71.000	10356.412	60.992	0.000	73.178	0.000	60.992	0.000	0.000	73.178	46.248	70.908	MWD+IFR1+MS
16300.000	90.000	71.000	10356.412	61.685	0.000	73.861	0.000	61.685	0.000	0.000	73.861	46.320	70.954	MWD+IFR1+MS
16400.000	90.000	71.000	10356.412	62.386	0.000	74.549	0.000	62.386	0.000	0.000	74.549	46.394	70.983	MWD+IFR1+MS
16500.000	90.000	71.000	10356.412	63.087	0.000	75.242	0.000	63.087	0.000	0.000	75.242	46.471	71.020	MWD+IFR1+MS
16600.000	90.000	71.000	10356.412	63.789	0.000	75.929	0.000	63.789	0.000	0.000	75.929	46.548	71.056	MWD+IFR1+MS
16700.000	90.000	71.000	10356.412	64.490	0.000	76.627	0.000	64.490	0.000	0.000	76.627	46.630	71.082	MWD+IFR1+MS
16800.000	90.000	71.000	10356.412	65.200	0.000	77.323	0.000	65.200	0.000	0.000	77.323	46.703	71.115	MWD+IFR1+MS
16900.000	90.000	71.000	10356.412	65.909	0.000	78.023	0.000	65.909	0.000	0.000	78.023	46.780	71.136	MWD+IFR1+MS
17000.000	90.000	71.000	10356.412	66.618	0.000	78.723	0.000	66.618	0.000	0.000	78.723	46.858	71.160	MWD+IFR1+MS
17100.000	90.000	71.000	10356.412	67.328	0.000	79.428	0.000	67.328	0.000	0.000	79.428	46.939	71.191	MWD+IFR1+MS
17200.000	90.000	71.000	10356.412	68.037	0.000	80.131	0.000	68.037	0.000	0.000	80.131	47.022	71.206	MWD+IFR1+MS

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17300.000	90.000	71.000	10356.412	68.753	0.000	80.838	0.000	68.753	0.000	0.000	80.838	47.097	71.232	MWD+IFR1+MS
17400.000	90.000	71.000	10356.412	69.469	0.000	81.549	0.000	69.469	0.000	0.000	81.550	47.177	71.246	MWD+IFR1+MS
17500.000	90.000	71.000	10356.412	70.185	0.000	82.260	0.000	70.185	0.000	0.000	82.260	47.258	71.264	MWD+IFR1+MS
17600.000	90.000	71.000	10356.412	70.901	0.000	82.969	0.000	70.901	0.000	0.000	82.970	47.339	71.285	MWD+IFR1+MS
17700.000	90.000	71.000	10356.412	71.624	0.000	83.684	0.000	71.624	0.000	0.000	83.685	47.432	71.308	MWD+IFR1+MS
17800.000	90.000	71.000	10356.412	72.346	0.000	84.396	0.000	72.346	0.000	0.000	84.397	47.509	71.325	MWD+IFR1+MS
17900.000	90.000	71.000	10356.412	73.068	0.000	85.117	0.000	73.068	0.000	0.000	85.118	47.591	71.335	MWD+IFR1+MS
18000.000	90.000	71.000	10356.412	73.790	0.000	85.837	0.000	73.790	0.000	0.000	85.838	47.674	71.348	MWD+IFR1+MS
18100.000	90.000	71.000	10356.412	74.518	0.000	86.556	0.000	74.518	0.000	0.000	86.557	47.758	71.364	MWD+IFR1+MS
18200.000	90.000	71.000	10356.412	75.246	0.000	87.275	0.000	75.246	0.000	0.000	87.276	47.852	71.379	MWD+IFR1+MS
18300.000	90.000	71.000	10356.412	75.974	0.000	88.002	0.000	75.974	0.000	0.000	88.003	47.942	71.391	MWD+IFR1+MS
18400.000	90.000	71.000	10356.412	76.701	0.000	88.722	0.000	76.701	0.000	0.000	88.723	48.022	71.407	MWD+IFR1+MS
18500.000	90.000	71.000	10356.412	77.427	0.000	89.451	0.000	77.427	0.000	0.000	89.452	48.117	71.413	MWD+IFR1+MS
18600.000	90.000	71.000	10356.412	78.160	0.000	90.178	0.000	78.160	0.000	0.000	90.180	48.203	71.425	MWD+IFR1+MS
18700.000	90.000	71.000	10356.412	78.892	0.000	90.905	0.000	78.892	0.000	0.000	90.907	48.290	71.439	MWD+IFR1+MS
18800.000	90.000	71.000	10356.412	79.624	0.000	91.634	0.000	79.624	0.000	0.000	91.636	48.382	71.446	MWD+IFR1+MS
18900.000	90.000	71.000	10356.412	80.362	0.000	92.368	0.000	80.362	0.000	0.000	92.370	48.475	71.458	MWD+IFR1+MS
19000.000	90.000	71.000	10356.412	81.093	0.000	93.099	0.000	81.093	0.000	0.000	93.101	48.561	71.462	MWD+IFR1+MS
19100.000	90.000	71.000	10356.412	81.829	0.000	93.831	0.000	81.829	0.000	0.000	93.833	48.656	71.478	MWD+IFR1+MS
19200.000	90.000	71.000	10356.412	82.565	0.000	94.568	0.000	82.565	0.000	0.000	94.571	48.748	71.480	MWD+IFR1+MS
19300.000	90.000	71.000	10356.412	83.307	0.000	95.301	0.000	83.307	0.000	0.000	95.304	48.838	71.493	MWD+IFR1+MS
19400.000	90.000	71.000	10356.412	84.042	0.000	96.037	0.000	84.042	0.000	0.000	96.040	48.933	71.500	MWD+IFR1+MS
19500.000	90.000	71.000	10356.412	84.782	0.000	96.775	0.000	84.782	0.000	0.000	96.778	49.021	71.502	MWD+IFR1+MS
19600.000	90.000	71.000	10356.412	85.522	0.000	97.514	0.000	85.522	0.000	0.000	97.517	49.127	71.513	MWD+IFR1+MS
19700.000	90.000	71.000	10356.412	86.261	0.000	98.254	0.000	86.261	0.000	0.000	98.257	49.219	71.521	MWD+IFR1+MS
19800.000	90.000	71.000	10356.412	87.006	0.000	98.997	0.000	87.006	0.000	0.000	99.001	49.314	71.524	MWD+IFR1+MS
19900.000	90.000	71.000	10356.412	87.750	0.000	99.739	0.000	87.750	0.000	0.000	99.743	49.410	71.528	MWD+IFR1+MS
20000.000	90.000	71.000	10356.412	88.493	0.000	100.481	0.000	88.493	0.000	0.000	100.484	49.508	71.535	MWD+IFR1+MS
20100.000	90.000	71.000	10356.412	89.236	0.000	101.224	0.000	89.236	0.000	0.000	101.227	49.599	71.538	MWD+IFR1+MS
20200.000	90.000	71.000	10356.412	89.978	0.000	101.971	0.000	89.978	0.000	0.000	101.974	49.702	71.543	MWD+IFR1+MS
20300.000	90.000	71.000	10356.412	90.725	0.000	102.712	0.000	90.725	0.000	0.000	102.716	49.805	71.547	MWD+IFR1+MS
20400.000	90.000	71.000	10356.412	91.471	0.000	103.460	0.000	91.471	0.000	0.000	103.464	49.903	71.550	MWD+IFR1+MS
20500.000	90.000	71.000	10356.412	92.217	0.000	104.194	0.000	92.217	0.000	0.000	104.197	49.999	71.549	MWD+IFR1+MS
20600.000	90.000	71.000	10356.412	92.962	0.000	104.931	0.000	92.962	0.000	0.000	104.935	50.097	71.552	MWD+IFR1+MS
20700.000	90.000	71.000	10356.412	93.712	0.000	105.667	0.000	93.712	0.000	0.000	105.670	50.198	71.548	MWD+IFR1+MS
20800.000	90.000	71.000	10356.412	94.462	0.000	106.438	0.000	94.462	0.000	0.000	106.442	50.299	71.565	MWD+IFR1+MS
20900.000	90.000	71.000	10356.412	95.210	0.000	107.167	0.000	95.210	0.000	0.000	107.170	50.393	71.555	MWD+IFR1+MS
21000.000	90.000	71.000	10356.412	95.958	0.000	107.932	0.000	95.958	0.000	0.000	107.936	50.506	71.563	MWD+IFR1+MS
21100.000	90.000	71.000	10356.412	96.706	0.000	108.691	0.000	96.706	0.000	0.000	108.695	50.610	71.572	MWD+IFR1+MS
21200.000	90.000	71.000	10356.412	97.458	0.000	109.447	0.000	97.458	0.000	0.000	109.452	50.708	71.577	MWD+IFR1+MS
21300.000	90.000	71.000	10356.412	98.209	0.000	110.199	0.000	98.209	0.000	0.000	110.204	50.814	71.579	MWD+IFR1+MS
21400.000	90.000	71.000	10356.412	98.960	0.000	110.949	0.000	98.960	0.000	0.000	110.954	50.915	71.576	MWD+IFR1+MS
21500.000	90.000	71.000	10356.412	99.715	0.000	111.694	0.000	99.715	0.000	0.000	111.698	51.015	71.574	MWD+IFR1+MS
21600.000	90.000	71.000	10356.412	100.449	0.000	112.474	0.000	100.449	0.000	0.000	112.478	51.133	71.587	MWD+IFR1+MS
21615.000	90.000	71.000	10356.412	100.548	0.000	112.574	0.000	100.548	0.000	0.000	112.579	51.147	71.582	MWD+IFR1+MS

Plan Targets	JRU DI11 SL001H				
	Measured Depth	**Grid Northing**	**Grid Easting**	**TVD MSL**	**Target Shape**
Target Name	**(ft)**	**(ft)**	**(ft)**	**(ft)**	
FTP Slant	4814.14	506218.60	634841.60	-0.00	CIRCLE
LTP Slant	28514.43	509967.10	645836.00	-0.00	CIRCLE
BHL Slant	28814.44	510063.50	646115.50	-0.00	CIRCLE

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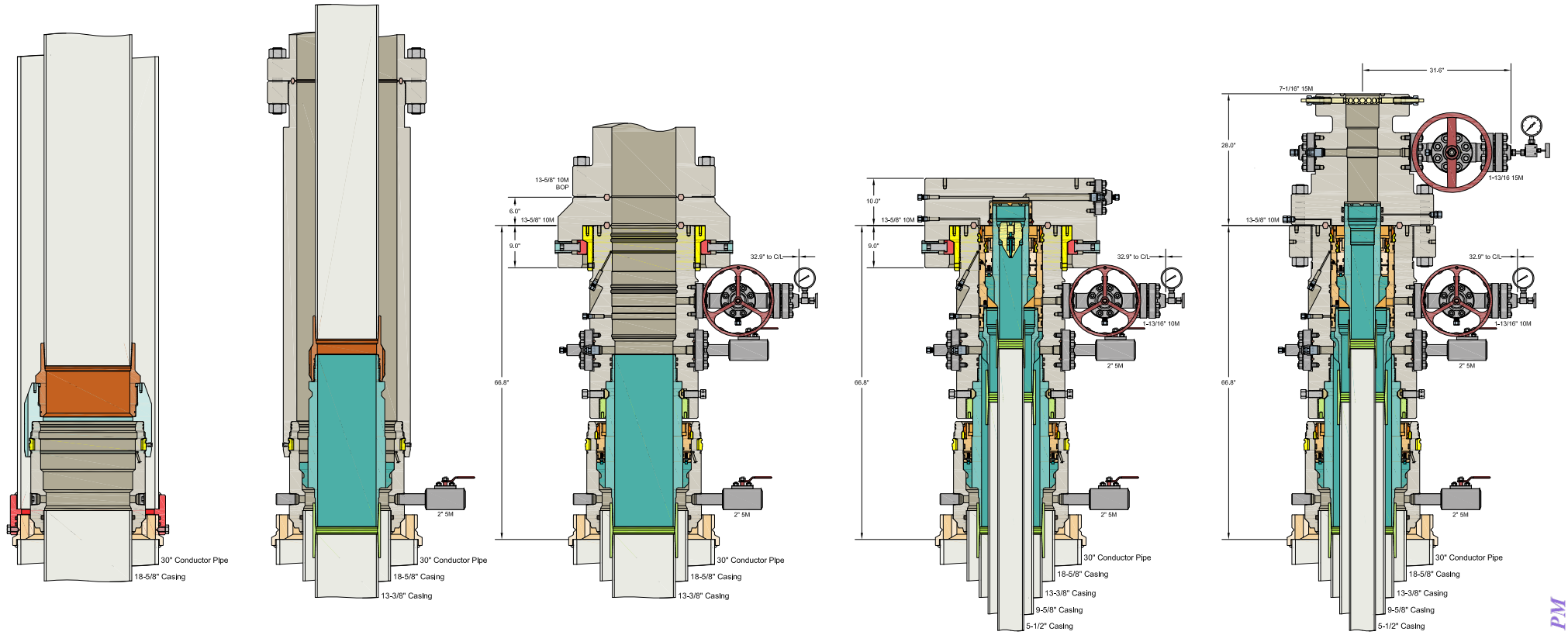

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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
POTASH

30" x 18-5/8" x 13-3/8" x 9-5/8" x 5-1/2" CRC/MBU-3T-CFL Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Drilling & Skid Configurations

DRAWN	DLE	13JUL20
APPRV		
DRAWING NO.	HBE0000357	

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

CONDITIONS

Operator:	OGRID:
XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	373075
	Action Number: 400026
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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