

Well Name: POKER LAKE UNIT 20 DTD	Well Location: T24S / R30E / SEC 20 / NENE / 32.209455 / -103.898239	County or Parish/State: EDDY / NM
Well Number: 411H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM02860	Unit or CA Name: POKER LAKE UNIT	Unit or CA Number: NMNM71016X
US Well Number: 3001554915	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2855330

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 05/29/2025	Time Sundry Submitted: 03:45
Date proposed operation will begin: 05/29/2025	

Procedure Description: Effective date 8/22/24 XTO Permian Operating LLC respectfully requests to make the following changes: Pool name & code: f/ WILCAT G-015 S263001O; BONESPRING (97814) t/ PURPLE SAGE; WOLFCAMP (98220) Attachments: Drilling plans and directional surveys that were previously approved under BLM id # 2781324/NMOCD id # 337790. These plans have not changed and are just attached for easy reference. Updated C-102 on new required form. No new surface disturbance.

NOI Attachments

Procedure Description

- POKER_LAKE_UNIT_20_DTD_411H_drill_plans_20250529154408.pdf
- POKER_LAKE_UNIT_20_DTD_411H_C102_AMENDED_FINAL_05_22_2025_20250529154312.pdf

Received by OCD: 6/6/2025 10:01:58 AM

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US Well Number: 3001554915	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: LACEY GRANILLO	Signed on: MAY 29, 2025 03:45 PM
Name: XTO PERMIAN OPERATING LLC	
Title: Regulatory Analyst	
Street Address: 6401 HOLIDAY HILL ROAD	
City: MIDLAND	State: TX
Phone: (432) 894-0057	
Email address: LACEY.GRANILLO@EXXONMOBIL.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: MARIAH HUGHES	BLM POC Title: Land Law Examiner
BLM POC Phone: 5752345972	BLM POC Email Address: mhughes@blm.gov
Disposition: Approved	Disposition Date: 06/04/2025
Signature: Cody Layton Assistant Field Manager	

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 <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMNM02860
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. POKER LAKE UNIT 20 DTD/411H
2. Name of Operator XTO PERMIAN OPERATING LLC		9. API Well No. 3001554915
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,	3b. Phone No. (include area code) (432) 683-2277	10. Field and Pool or Exploratory Area PURPLE SAGE/WOLFCAMP (GAS)
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 20/T24S/R30E/NMP		11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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

Effective date 8/22/24

XTO Permian Operating LLC respectfully requests to make the following changes:

Pool name & code: f/ WILCAT G-015 S263001O; BONESPRING (97814)

t/ PURPLE SAGE; WOLFCAMP (98220)

Attachments: Drilling plans and directional surveys that were previously approved under BLM id # 2781324/NMOCD id # 337790. These plans have not changed and are just attached for easy reference. Updated C-102 on new required form. No new surface disturbance.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) LACEY GRANILLO / Ph: (432) 894-0057	Title Regulatory Analyst
Signature (Electronic Submission)	Date 05/29/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by MARIAH HUGHES / Ph: (575) 234-5972 / Approved	Title Land Law Examiner	Date 06/04/2025
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 CARLSBAD	

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.

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Location of Well

0. SHL: NENE / 337 FNL / 548 FEL / TWSP: 24S / RANGE: 30E / SECTION: 20 / LAT: 32.209455 / LONG: -103.898239 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 100 FNL / 497 FEL / TWSP: 24S / RANGE: 30E / SECTION: 20 / LAT: 32.210718 / LONG: -103.896984 (TVD: 9351 feet, MD: 9700 feet)

BHL: SESE / 230 FSL / 496 FEL / TWSP: 25S / RANGE: 30E / SECTION: 5 / LAT: 32.152867 / LONG: -103.896385 (TVD: 9351 feet, MD: 30554 feet)

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

XTO Energy Inc.

PLU 20 Dog Town Draw 411H

Projected TD: 31607.8' MD / 11064' TVD

SHL: 337' FNL & 548' FEL , Section 20, T24S, R30E

BHL: 230' FSL & 496' FEL , Section 5, T25S, 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	930'	Water
Top of Salt	1333'	Water
Base of Salt	3526'	Water
Delaware	3720'	Water
Brushy Canyon	6218'	Water/Oil/Gas
Bone Spring	7514'	Water
1st Bone Spring	8500'	Water/Oil/Gas
2nd Bone Spring	9318'	Water/Oil/Gas
3rd Bone Spring	10412'	Water/Oil/Gas
Wolfcamp	10803'	Water/Oil/Gas
Wolfcamp X	10824'	Water/Oil/Gas
Wolfcamp Y	10902'	Water/Oil/Gas
Wolfcamp A	10944'	Water/Oil/Gas
Target/Land Curve	11064'	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 @ 1030' (303' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 9.625 inch casing at 10153.13' and cemented to surface. A 8.5 inch curve and 8.5 inch lateral hole will be drilled to 31607.8 MD/TD and 6 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9853.13 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 1030'	13.375	54.5	J-55	BTC	New	1.14	2.51	16.19
12.25	0' – 4000'	9.625	40	HC P-110	BTC	New	1.82	2.31	3.12
12.25	4000' – 10153.13'	9.625	40	HC L-80	BTC	New	1.32	1.72	3.72
8.5	0' – 10053.13'	6	26	P-110	Semi-Premium	New	1.17	2.20	1.55
8.5	10053.13' - 31607.8'	6	26	P-110	Semi-Premium	New	1.17	2.00	1.74

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface 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.

· 6 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

· Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less

. XTO requests the option to use 5.5" 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 (or equivalent)

B. Tubing Head: 13-5/8" 10M bottom flange x 7-1/16" 15M top flange (or equivalent)

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 9-5/8" 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 +/- 1030'

Lead: 540 sxs EconoCem-HLTRRC (mixed at 10.5 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 = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 9.625, 40 New casing to be set at +/- 10153.13'

1st Stage

Optional Lead: 1050 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)
 TOC: Surface
 Tail: 1140 sxs Class C (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)
 TOC: Brushy Canyon @ 6218
 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: 2190 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 9-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6218') 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 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 inside the first intermediate casing. 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: 6, 26 New Semi-Premium, P-110 casing to be set at +/- 31607.8'

Lead: 40 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 9853.13 feet
 Tail: 3610 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 10353.13 feet
 Compressives: 12-hr = 800 psi 24 hr = 1500 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 10M Double Ram BOP. MASP should not exceed 4355 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 9.625, 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 week.

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' - 1030'	17.5	FW/Native	8.4-8.9	35-40	NC
1030' - 10153.13'	12.25	FW / Cut Brine / Direct Emulsion	8.8-9.3	30-32	NC
10153.13' - 31607.8'	8.5	OBM	11.8-12.3	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 9-5/8" surface casing with brine solution. A 9.7 ppg - 10.2 ppg cut 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

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 175 to 195 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 6789 psi.

10. Anticipated Starting Date and Duration of Operations

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

Well Plan Report - Poker Lake Unit 20 DTD South 411H

Measured Depth: 31607.86 ft

TVD RKB: 11064.00 ft

Location

Cartographic Reference System: New Mexico East - NAD 27

Northing: 440172.20 ft

Easting: 635210.60 ft

RKB: 3323.00 ft

Ground Level: 3291.00 ft

North Reference: Grid

Convergence Angle: 0.23 Deg

Plan Sections

Poker Lake Unit 20 DTD South 411H

Measured	TVD					Build	Turn	Dogleg	Target
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate	
(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	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
1226.93	2.54	11.94	1226.89	2.75	0.58	2.00	0.00	2.00	
6578.41	2.54	11.94	6573.11	234.65	49.62	0.00	0.00	0.00	
6705.33	0.00	0.00	6700.00	237.40	50.20	-2.00	0.00	2.00	
10353.13	0.00	0.00	10347.80	237.40	50.20	0.00	0.00	0.00	
11478.13	90.00	179.68	11064.00	-478.79	54.20	8.00	0.00	8.00	
31507.86	90.00	179.68	11064.00	-20508.20	166.07	0.00	0.00	0.00	LTP 24
31607.86	90.00	179.68	11064.00	-20608.20	166.63	0.00	0.00	0.00	BHL 24

Position Uncertainty

Poker Lake Unit 20 DTD South 411H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool
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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	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.309	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.325	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.374	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.406	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.443	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.484	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.530	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.580	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.633	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	11.940	1199.980	5.122	0.000	4.418	0.000	2.689	0.000	0.000	5.297	4.209	126.597	MWD+IFR1+MS
1226.928	2.539	11.940	1226.887	5.216	0.000	4.509	0.000	2.704	0.000	0.000	5.390	4.305	126.322	MWD+IFR1+MS
1300.000	2.539	11.940	1299.887	5.452	0.000	4.759	0.000	2.747	0.000	0.000	5.620	4.565	126.155	MWD+IFR1+MS
1400.000	2.539	11.940	1399.789	5.784	0.000	5.123	0.000	2.810	0.000	0.000	5.956	4.927	126.736	MWD+IFR1+MS
1500.000	2.539	11.940	1499.690	6.127	0.000	5.495	0.000	2.875	0.000	0.000	6.308	5.291	127.548	MWD+IFR1+MS
1600.000	2.539	11.940	1599.592	6.471	0.000	5.865	0.000	2.943	0.000	0.000	6.660	5.653	128.277	MWD+IFR1+MS
1700.000	2.539	11.940	1699.494	6.817	0.000	6.234	0.000	3.013	0.000	0.000	7.014	6.015	128.934	MWD+IFR1+MS
1800.000	2.539	11.940	1799.396	7.164	0.000	6.601	0.000	3.085	0.000	0.000	7.368	6.376	129.528	MWD+IFR1+MS
1900.000	2.539	11.940	1899.298	7.513	0.000	6.968	0.000	3.159	0.000	0.000	7.723	6.737	130.067	MWD+IFR1+MS
2000.000	2.539	11.940	1999.200	7.862	0.000	7.334	0.000	3.235	0.000	0.000	8.079	7.097	130.557	MWD+IFR1+MS
2100.000	2.539	11.940	2099.102	8.213	0.000	7.699	0.000	3.313	0.000	0.000	8.435	7.457	131.004	MWD+IFR1+MS
2200.000	2.539	11.940	2199.004	8.564	0.000	8.063	0.000	3.392	0.000	0.000	8.791	7.817	131.413	MWD+IFR1+MS
2300.000	2.539	11.940	2298.905	8.916	0.000	8.427	0.000	3.473	0.000	0.000	9.147	8.176	131.787	MWD+IFR1+MS
2400.000	2.539	11.940	2398.807	9.268	0.000	8.791	0.000	3.556	0.000	0.000	9.504	8.536	132.131	MWD+IFR1+MS
2500.000	2.539	11.940	2498.709	9.622	0.000	9.154	0.000	3.640	0.000	0.000	9.861	8.895	132.447	MWD+IFR1+MS
2600.000	2.539	11.940	2598.611	9.975	0.000	9.516	0.000	3.726	0.000	0.000	10.219	9.254	132.739	MWD+IFR1+MS
2700.000	2.539	11.940	2698.513	10.329	0.000	9.879	0.000	3.813	0.000	0.000	10.576	9.613	133.009	MWD+IFR1+MS
2800.000	2.539	11.940	2798.415	10.683	0.000	10.241	0.000	3.901	0.000	0.000	10.934	9.972	133.258	MWD+IFR1+MS
2900.000	2.539	11.940	2898.317	11.038	0.000	10.603	0.000	3.991	0.000	0.000	11.291	10.331	133.489	MWD+IFR1+MS

3000.000	2.539	11.940	2998.218	11.393	0.000	10.964	0.000	4.082	0.000	0.000	11.649	10.690	133.703	MWD+IFR1+MS
3100.000	2.539	11.940	3098.120	11.749	0.000	11.326	0.000	4.174	0.000	0.000	12.007	11.049	133.903	MWD+IFR1+MS
3200.000	2.539	11.940	3198.022	12.104	0.000	11.687	0.000	4.268	0.000	0.000	12.365	11.408	134.088	MWD+IFR1+MS
3300.000	2.539	11.940	3297.924	12.460	0.000	12.048	0.000	4.363	0.000	0.000	12.723	11.766	134.261	MWD+IFR1+MS
3400.000	2.539	11.940	3397.826	12.816	0.000	12.409	0.000	4.460	0.000	0.000	13.081	12.125	134.422	MWD+IFR1+MS
3500.000	2.539	11.940	3497.728	13.172	0.000	12.769	0.000	4.558	0.000	0.000	13.440	12.484	134.572	MWD+IFR1+MS
3600.000	2.539	11.940	3597.630	13.529	0.000	13.130	0.000	4.657	0.000	0.000	13.798	12.843	134.712	MWD+IFR1+MS
3700.000	2.539	11.940	3697.531	13.885	0.000	13.490	0.000	4.758	0.000	0.000	14.156	13.201	134.843	MWD+IFR1+MS
3800.000	2.539	11.940	3797.433	14.242	0.000	13.851	0.000	4.860	0.000	0.000	14.515	13.560	134.965	MWD+IFR1+MS
3900.000	2.539	11.940	3897.335	14.599	0.000	14.211	0.000	4.964	0.000	0.000	14.873	13.919	-44.920	MWD+IFR1+MS
4000.000	2.539	11.940	3997.237	14.956	0.000	14.571	0.000	5.070	0.000	0.000	15.232	14.278	-44.813	MWD+IFR1+MS
4100.000	2.539	11.940	4097.139	15.313	0.000	14.931	0.000	5.176	0.000	0.000	15.590	14.636	-44.712	MWD+IFR1+MS
4200.000	2.539	11.940	4197.041	15.671	0.000	15.291	0.000	5.285	0.000	0.000	15.949	14.995	-44.618	MWD+IFR1+MS
4300.000	2.539	11.940	4296.943	16.028	0.000	15.651	0.000	5.395	0.000	0.000	16.307	15.354	-44.530	MWD+IFR1+MS
4400.000	2.539	11.940	4396.845	16.386	0.000	16.011	0.000	5.506	0.000	0.000	16.666	15.712	-44.447	MWD+IFR1+MS
4500.000	2.539	11.940	4496.746	16.743	0.000	16.370	0.000	5.620	0.000	0.000	17.024	16.071	-44.370	MWD+IFR1+MS
4600.000	2.539	11.940	4596.648	17.101	0.000	16.730	0.000	5.735	0.000	0.000	17.383	16.430	-44.298	MWD+IFR1+MS
4700.000	2.539	11.940	4696.550	17.459	0.000	17.089	0.000	5.852	0.000	0.000	17.742	16.788	-44.230	MWD+IFR1+MS
4800.000	2.539	11.940	4796.452	17.817	0.000	17.449	0.000	5.970	0.000	0.000	18.100	17.147	-44.166	MWD+IFR1+MS
4900.000	2.539	11.940	4896.354	18.175	0.000	17.809	0.000	6.091	0.000	0.000	18.459	17.506	-44.107	MWD+IFR1+MS
5000.000	2.539	11.940	4996.256	18.533	0.000	18.168	0.000	6.213	0.000	0.000	18.818	17.864	-44.051	MWD+IFR1+MS
5100.000	2.539	11.940	5096.158	18.891	0.000	18.527	0.000	6.337	0.000	0.000	19.176	18.223	-43.999	MWD+IFR1+MS
5200.000	2.539	11.940	5196.059	19.249	0.000	18.887	0.000	6.463	0.000	0.000	19.535	18.582	-43.951	MWD+IFR1+MS
5300.000	2.539	11.940	5295.961	19.608	0.000	19.246	0.000	6.591	0.000	0.000	19.894	18.940	-43.905	MWD+IFR1+MS
5400.000	2.539	11.940	5395.863	19.966	0.000	19.605	0.000	6.721	0.000	0.000	20.253	19.299	-43.863	MWD+IFR1+MS
5500.000	2.539	11.940	5495.765	20.324	0.000	19.965	0.000	6.853	0.000	0.000	20.611	19.658	-43.824	MWD+IFR1+MS
5600.000	2.539	11.940	5595.667	20.683	0.000	20.324	0.000	6.988	0.000	0.000	20.970	20.016	-43.787	MWD+IFR1+MS
5700.000	2.539	11.940	5695.569	21.041	0.000	20.683	0.000	7.124	0.000	0.000	21.329	20.375	-43.753	MWD+IFR1+MS
5800.000	2.539	11.940	5795.471	21.400	0.000	21.042	0.000	7.262	0.000	0.000	21.688	20.734	-43.721	MWD+IFR1+MS
5900.000	2.539	11.940	5895.372	21.758	0.000	21.401	0.000	7.403	0.000	0.000	22.047	21.092	-43.692	MWD+IFR1+MS
6000.000	2.539	11.940	5995.274	22.117	0.000	21.760	0.000	7.546	0.000	0.000	22.406	21.451	-43.665	MWD+IFR1+MS
6100.000	2.539	11.940	6095.176	22.475	0.000	22.119	0.000	7.691	0.000	0.000	22.764	21.810	-43.641	MWD+IFR1+MS
6200.000	2.539	11.940	6195.078	22.834	0.000	22.478	0.000	7.838	0.000	0.000	23.123	22.169	-43.618	MWD+IFR1+MS

6300.000	2.539	11.940	6294.980	23.193	0.000	22.837	0.000	7.988	0.000	0.000	23.482	22.527	-43.597	MWD+IFR1+MS
6400.000	2.539	11.940	6394.882	23.552	0.000	23.196	0.000	8.140	0.000	0.000	23.841	22.886	-43.578	MWD+IFR1+MS
6500.000	2.539	11.940	6494.784	23.910	0.000	23.555	0.000	8.294	0.000	0.000	24.200	23.245	-43.561	MWD+IFR1+MS
6578.407	2.539	11.940	6573.113	24.190	0.000	23.834	0.000	8.417	0.000	0.000	24.477	23.526	-43.597	MWD+IFR1+MS
6600.000	2.107	11.940	6594.689	24.266	0.000	23.910	0.000	8.451	0.000	0.000	24.552	23.603	-43.628	MWD+IFR1+MS
6705.335	0.000	0.000	6700.000	24.479	0.000	24.476	0.000	8.618	0.000	0.000	24.953	23.992	134.891	MWD+IFR1+MS
6800.000	0.000	0.000	6794.665	24.853	0.000	24.811	0.000	8.770	0.000	0.000	25.318	24.337	133.784	MWD+IFR1+MS
6900.000	0.000	0.000	6894.665	25.211	0.000	25.166	0.000	8.932	0.000	0.000	25.674	24.693	133.702	MWD+IFR1+MS
7000.000	0.000	0.000	6994.665	25.569	0.000	25.522	0.000	9.097	0.000	0.000	26.031	25.050	133.623	MWD+IFR1+MS
7100.000	0.000	0.000	7094.665	25.927	0.000	25.877	0.000	9.265	0.000	0.000	26.388	25.406	133.547	MWD+IFR1+MS
7200.000	0.000	0.000	7194.665	26.285	0.000	26.233	0.000	9.435	0.000	0.000	26.746	25.763	133.472	MWD+IFR1+MS
7300.000	0.000	0.000	7294.665	26.643	0.000	26.588	0.000	9.608	0.000	0.000	27.103	26.119	133.400	MWD+IFR1+MS
7400.000	0.000	0.000	7394.665	27.001	0.000	26.944	0.000	9.784	0.000	0.000	27.460	26.476	133.329	MWD+IFR1+MS
7500.000	0.000	0.000	7494.665	27.359	0.000	27.299	0.000	9.962	0.000	0.000	27.817	26.833	133.261	MWD+IFR1+MS
7600.000	0.000	0.000	7594.665	27.717	0.000	27.655	0.000	10.143	0.000	0.000	28.174	27.189	133.194	MWD+IFR1+MS
7700.000	0.000	0.000	7694.665	28.075	0.000	28.011	0.000	10.326	0.000	0.000	28.532	27.546	133.130	MWD+IFR1+MS
7800.000	0.000	0.000	7794.665	28.434	0.000	28.367	0.000	10.512	0.000	0.000	28.889	27.903	133.067	MWD+IFR1+MS
7900.000	0.000	0.000	7894.665	28.792	0.000	28.723	0.000	10.701	0.000	0.000	29.246	28.260	133.005	MWD+IFR1+MS
8000.000	0.000	0.000	7994.665	29.150	0.000	29.079	0.000	10.893	0.000	0.000	29.604	28.617	132.945	MWD+IFR1+MS
8100.000	0.000	0.000	8094.665	29.508	0.000	29.435	0.000	11.087	0.000	0.000	29.961	28.974	132.887	MWD+IFR1+MS
8200.000	0.000	0.000	8194.665	29.866	0.000	29.791	0.000	11.284	0.000	0.000	30.319	29.331	132.830	MWD+IFR1+MS
8300.000	0.000	0.000	8294.665	30.224	0.000	30.148	0.000	11.484	0.000	0.000	30.676	29.688	132.774	MWD+IFR1+MS
8400.000	0.000	0.000	8394.665	30.582	0.000	30.504	0.000	11.687	0.000	0.000	31.034	30.045	132.720	MWD+IFR1+MS
8500.000	0.000	0.000	8494.665	30.941	0.000	30.860	0.000	11.892	0.000	0.000	31.391	30.402	132.667	MWD+IFR1+MS
8600.000	0.000	0.000	8594.665	31.299	0.000	31.217	0.000	12.101	0.000	0.000	31.749	30.759	132.616	MWD+IFR1+MS
8700.000	0.000	0.000	8694.665	31.657	0.000	31.573	0.000	12.312	0.000	0.000	32.106	31.116	132.565	MWD+IFR1+MS
8800.000	0.000	0.000	8794.665	32.015	0.000	31.929	0.000	12.526	0.000	0.000	32.464	31.473	132.516	MWD+IFR1+MS
8900.000	0.000	0.000	8894.665	32.373	0.000	32.286	0.000	12.743	0.000	0.000	32.822	31.830	132.468	MWD+IFR1+MS
9000.000	0.000	0.000	8994.665	32.732	0.000	32.643	0.000	12.962	0.000	0.000	33.179	32.188	132.421	MWD+IFR1+MS
9100.000	0.000	0.000	9094.665	33.090	0.000	32.999	0.000	13.185	0.000	0.000	33.537	32.545	132.375	MWD+IFR1+MS
9200.000	0.000	0.000	9194.665	33.448	0.000	33.356	0.000	13.410	0.000	0.000	33.895	32.902	132.330	MWD+IFR1+MS
9300.000	0.000	0.000	9294.665	33.806	0.000	33.712	0.000	13.639	0.000	0.000	34.252	33.259	132.286	MWD+IFR1+MS
9400.000	0.000	0.000	9394.665	34.165	0.000	34.069	0.000	13.870	0.000	0.000	34.610	33.617	132.243	MWD+IFR1+MS

9500.000	0.000	0.000	9494.665	34.523	0.000	34.426	0.000	14.104	0.000	0.000	34.968	33.974	132.201	MWD+IFR1+MS
9600.000	0.000	0.000	9594.665	34.881	0.000	34.783	0.000	14.342	0.000	0.000	35.325	34.331	132.160	MWD+IFR1+MS
9700.000	0.000	0.000	9694.665	35.239	0.000	35.140	0.000	14.582	0.000	0.000	35.683	34.689	132.119	MWD+IFR1+MS
9800.000	0.000	0.000	9794.665	35.598	0.000	35.496	0.000	14.825	0.000	0.000	36.041	35.046	132.080	MWD+IFR1+MS
9900.000	0.000	0.000	9894.665	35.956	0.000	35.853	0.000	15.071	0.000	0.000	36.399	35.404	132.041	MWD+IFR1+MS
10000.000	0.000	0.000	9994.665	36.314	0.000	36.210	0.000	15.320	0.000	0.000	36.756	35.761	132.003	MWD+IFR1+MS
10100.000	0.000	0.000	10094.665	36.672	0.000	36.567	0.000	15.571	0.000	0.000	37.114	36.119	131.966	MWD+IFR1+MS
10200.000	0.000	0.000	10194.665	37.031	0.000	36.924	0.000	15.826	0.000	0.000	37.472	36.476	131.930	MWD+IFR1+MS
10300.000	0.000	0.000	10294.665	37.389	0.000	37.281	0.000	16.084	0.000	0.000	37.830	36.834	131.894	MWD+IFR1+MS
10353.135	0.000	0.000	10347.800	37.578	0.000	37.469	0.000	16.222	0.000	0.000	38.017	37.024	131.864	MWD+IFR1+MS
10400.000	3.749	179.680	10394.632	37.627	0.000	37.631	-0.000	16.344	0.000	0.000	38.177	37.187	131.497	MWD+IFR1+MS
10500.000	11.749	179.680	10493.638	37.878	0.000	37.941	-0.000	16.635	0.000	0.000	38.917	37.658	117.785	MWD+IFR1+MS
10600.000	19.749	179.680	10589.806	38.064	0.000	38.239	-0.000	17.062	0.000	0.000	40.118	38.055	106.844	MWD+IFR1+MS
10700.000	27.749	179.680	10681.263	37.695	0.000	38.520	-0.000	17.683	0.000	0.000	41.231	38.366	102.862	MWD+IFR1+MS
10800.000	35.749	179.680	10766.230	36.837	0.000	38.780	-0.000	18.536	0.000	0.000	42.186	38.636	101.053	MWD+IFR1+MS
10900.000	43.749	179.680	10843.053	35.581	0.000	39.017	-0.000	19.629	0.000	0.000	42.962	38.874	100.169	MWD+IFR1+MS
11000.000	51.749	179.680	10910.236	34.050	0.000	39.229	-0.000	20.941	0.000	0.000	43.557	39.084	99.775	MWD+IFR1+MS
11100.000	59.749	179.680	10966.472	32.403	0.000	39.415	-0.000	22.433	0.000	0.000	43.978	39.265	99.682	MWD+IFR1+MS
11200.000	67.749	179.680	11010.666	30.834	0.000	39.575	-0.000	24.051	0.000	0.000	44.247	39.417	99.784	MWD+IFR1+MS
11300.000	75.749	179.680	11041.958	29.565	0.000	39.707	-0.000	25.736	0.000	0.000	44.393	39.542	100.004	MWD+IFR1+MS
11400.000	83.749	179.680	11059.739	28.822	0.000	39.810	-0.000	27.431	0.000	0.000	44.452	39.638	100.261	MWD+IFR1+MS
11478.135	90.000	179.680	11063.997	28.278	0.000	39.868	-0.000	28.278	0.000	0.000	44.464	39.693	100.412	MWD+IFR1+MS
11500.000	90.000	179.680	11063.997	28.317	0.000	39.881	-0.000	28.317	0.000	0.000	44.466	39.706	100.445	MWD+IFR1+MS
11600.000	90.000	179.680	11063.997	28.460	0.000	39.954	-0.000	28.460	0.000	0.000	44.474	39.775	100.628	MWD+IFR1+MS
11700.000	90.000	179.680	11063.997	28.627	0.000	40.044	-0.000	28.627	0.000	0.000	44.484	39.861	100.853	MWD+IFR1+MS
11800.000	90.000	179.680	11063.997	28.814	0.000	40.149	-0.000	28.814	0.000	0.000	44.495	39.961	101.118	MWD+IFR1+MS
11900.000	90.000	179.680	11063.997	29.022	0.000	40.267	-0.000	29.022	0.000	0.000	44.508	40.074	101.427	MWD+IFR1+MS
12000.000	90.000	179.680	11063.997	29.249	0.000	40.400	-0.000	29.249	0.000	0.000	44.521	40.201	101.784	MWD+IFR1+MS
12100.000	90.000	179.680	11063.997	29.495	0.000	40.547	-0.000	29.495	0.000	0.000	44.536	40.341	102.198	MWD+IFR1+MS
12200.000	90.000	179.680	11063.997	29.760	0.000	40.708	-0.000	29.760	0.000	0.000	44.553	40.493	102.675	MWD+IFR1+MS
12300.000	90.000	179.680	11063.997	30.043	0.000	40.883	-0.000	30.043	0.000	0.000	44.572	40.658	103.228	MWD+IFR1+MS
12400.000	90.000	179.680	11063.997	30.344	0.000	41.071	-0.000	30.344	0.000	0.000	44.593	40.835	103.867	MWD+IFR1+MS
12500.000	90.000	179.680	11063.997	30.662	0.000	41.272	-0.000	30.662	0.000	0.000	44.616	41.024	104.610	MWD+IFR1+MS

12600.000	90.000	179.680	11063.997	30.996	0.000	41.487	-0.000	30.996	0.000	0.000	44.642	41.224	105.477	MWD+IFR1+MS
12700.000	90.000	179.680	11063.997	31.347	0.000	41.714	-0.000	31.347	0.000	0.000	44.671	41.434	106.494	MWD+IFR1+MS
12800.000	90.000	179.680	11063.997	31.713	0.000	41.955	-0.000	31.713	0.000	0.000	44.704	41.653	107.695	MWD+IFR1+MS
12900.000	90.000	179.680	11063.997	32.094	0.000	42.207	-0.000	32.094	0.000	0.000	44.742	41.881	109.121	MWD+IFR1+MS
13000.000	90.000	179.680	11063.997	32.490	0.000	42.473	-0.000	32.490	0.000	0.000	44.787	42.115	110.827	MWD+IFR1+MS
13100.000	90.000	179.680	11063.997	32.899	0.000	42.750	-0.000	32.899	0.000	0.000	44.838	42.355	112.880	MWD+IFR1+MS
13200.000	90.000	179.680	11063.997	33.322	0.000	43.039	-0.000	33.322	0.000	0.000	44.900	42.597	115.361	MWD+IFR1+MS
13300.000	90.000	179.680	11063.997	33.758	0.000	43.339	-0.000	33.758	0.000	0.000	44.975	42.838	118.359	MWD+IFR1+MS
13400.000	90.000	179.680	11063.997	34.207	0.000	43.651	-0.000	34.207	0.000	0.000	45.067	43.074	121.954	MWD+IFR1+MS
13500.000	90.000	179.680	11063.997	34.667	0.000	43.974	-0.000	34.667	0.000	0.000	45.181	43.299	126.185	MWD+IFR1+MS
13600.000	90.000	179.680	11063.997	35.139	0.000	44.308	-0.000	35.139	0.000	0.000	45.323	43.508	130.992	MWD+IFR1+MS
13700.000	90.000	179.680	11063.997	35.622	0.000	44.653	-0.000	35.622	0.000	0.000	45.498	43.696	-43.823	MWD+IFR1+MS
13800.000	90.000	179.680	11063.997	36.116	0.000	45.008	-0.000	36.116	0.000	0.000	45.708	43.859	-38.583	MWD+IFR1+MS
13900.000	90.000	179.680	11063.997	36.619	0.000	45.373	-0.000	36.619	0.000	0.000	45.955	43.996	-33.628	MWD+IFR1+MS
14000.000	90.000	179.680	11063.997	37.133	0.000	45.748	-0.000	37.133	0.000	0.000	46.235	44.110	-29.201	MWD+IFR1+MS
14100.000	90.000	179.680	11063.997	37.656	0.000	46.133	-0.000	37.656	0.000	0.000	46.544	44.206	-25.401	MWD+IFR1+MS
14200.000	90.000	179.680	11063.997	38.187	0.000	46.527	-0.000	38.187	0.000	0.000	46.878	44.286	-22.213	MWD+IFR1+MS
14300.000	90.000	179.680	11063.997	38.728	0.000	46.930	-0.000	38.728	0.000	0.000	47.234	44.355	-19.566	MWD+IFR1+MS
14400.000	90.000	179.680	11063.997	39.277	0.000	47.342	-0.000	39.277	0.000	0.000	47.608	44.415	-17.371	MWD+IFR1+MS
14500.000	90.000	179.680	11063.997	39.833	0.000	47.763	-0.000	39.833	0.000	0.000	47.998	44.468	-15.542	MWD+IFR1+MS
14600.000	90.000	179.680	11063.997	40.397	0.000	48.192	-0.000	40.397	0.000	0.000	48.402	44.517	-14.008	MWD+IFR1+MS
14700.000	90.000	179.680	11063.997	40.969	0.000	48.630	-0.000	40.969	0.000	0.000	48.818	44.562	-12.711	MWD+IFR1+MS
14800.000	90.000	179.680	11063.997	41.547	0.000	49.076	-0.000	41.547	0.000	0.000	49.245	44.604	-11.606	MWD+IFR1+MS
14900.000	90.000	179.680	11063.997	42.132	0.000	49.529	-0.000	42.132	0.000	0.000	49.684	44.644	-10.657	MWD+IFR1+MS
15000.000	90.000	179.680	11063.997	42.723	0.000	49.990	-0.000	42.723	0.000	0.000	50.131	44.683	-9.834	MWD+IFR1+MS
15100.000	90.000	179.680	11063.997	43.321	0.000	50.459	-0.000	43.321	0.000	0.000	50.588	44.720	-9.116	MWD+IFR1+MS
15200.000	90.000	179.680	11063.997	43.925	0.000	50.935	-0.000	43.925	0.000	0.000	51.054	44.757	-8.485	MWD+IFR1+MS
15300.000	90.000	179.680	11063.997	44.534	0.000	51.417	-0.000	44.534	0.000	0.000	51.528	44.793	-7.928	MWD+IFR1+MS
15400.000	90.000	179.680	11063.997	45.148	0.000	51.907	-0.000	45.148	0.000	0.000	52.009	44.828	-7.432	MWD+IFR1+MS
15500.000	90.000	179.680	11063.997	45.768	0.000	52.403	-0.000	45.768	0.000	0.000	52.499	44.863	-6.988	MWD+IFR1+MS
15600.000	90.000	179.680	11063.997	46.393	0.000	52.906	-0.000	46.393	0.000	0.000	52.995	44.898	-6.590	MWD+IFR1+MS
15700.000	90.000	179.680	11063.997	47.022	0.000	53.414	-0.000	47.022	0.000	0.000	53.498	44.933	-6.230	MWD+IFR1+MS
15800.000	90.000	179.680	11063.997	47.656	0.000	53.929	-0.000	47.656	0.000	0.000	54.008	44.968	-5.905	MWD+IFR1+MS

15900.000	90.000	179.680	11063.997	48.295	0.000	54.450	-0.000	48.295	0.000	0.000	54.524	45.003	-5.608	MWD+IFR1+MS
16000.000	90.000	179.680	11063.997	48.938	0.000	54.977	-0.000	48.938	0.000	0.000	55.046	45.038	-5.337	MWD+IFR1+MS
16100.000	90.000	179.680	11063.997	49.585	0.000	55.509	-0.000	49.585	0.000	0.000	55.574	45.074	-5.089	MWD+IFR1+MS
16200.000	90.000	179.680	11063.997	50.236	0.000	56.046	-0.000	50.236	0.000	0.000	56.108	45.110	-4.862	MWD+IFR1+MS
16300.000	90.000	179.680	11063.997	50.890	0.000	56.589	-0.000	50.890	0.000	0.000	56.648	45.146	-4.652	MWD+IFR1+MS
16400.000	90.000	179.680	11063.997	51.549	0.000	57.137	-0.000	51.549	0.000	0.000	57.193	45.182	-4.458	MWD+IFR1+MS
16500.000	90.000	179.680	11063.997	52.210	0.000	57.690	-0.000	52.210	0.000	0.000	57.743	45.218	-4.278	MWD+IFR1+MS
16600.000	90.000	179.680	11063.997	52.875	0.000	58.247	-0.000	52.875	0.000	0.000	58.298	45.255	-4.111	MWD+IFR1+MS
16700.000	90.000	179.680	11063.997	53.544	0.000	58.809	-0.000	53.544	0.000	0.000	58.858	45.293	-3.955	MWD+IFR1+MS
16800.000	90.000	179.680	11063.997	54.215	0.000	59.376	-0.000	54.215	0.000	0.000	59.422	45.330	-3.811	MWD+IFR1+MS
16900.000	90.000	179.680	11063.997	54.890	0.000	59.947	-0.000	54.890	0.000	0.000	59.991	45.368	-3.675	MWD+IFR1+MS
17000.000	90.000	179.680	11063.997	55.567	0.000	60.523	-0.000	55.567	0.000	0.000	60.565	45.407	-3.548	MWD+IFR1+MS
17100.000	90.000	179.680	11063.997	56.247	0.000	61.103	-0.000	56.247	0.000	0.000	61.143	45.446	-3.429	MWD+IFR1+MS
17200.000	90.000	179.680	11063.997	56.930	0.000	61.687	-0.000	56.930	0.000	0.000	61.725	45.485	-3.318	MWD+IFR1+MS
17300.000	90.000	179.680	11063.997	57.616	0.000	62.274	-0.000	57.616	0.000	0.000	62.311	45.525	-3.213	MWD+IFR1+MS
17400.000	90.000	179.680	11063.997	58.304	0.000	62.866	-0.000	58.304	0.000	0.000	62.901	45.565	-3.114	MWD+IFR1+MS
17500.000	90.000	179.680	11063.997	58.994	0.000	63.461	-0.000	58.994	0.000	0.000	63.495	45.606	-3.020	MWD+IFR1+MS
17600.000	90.000	179.680	11063.997	59.687	0.000	64.060	-0.000	59.687	0.000	0.000	64.093	45.647	-2.932	MWD+IFR1+MS
17700.000	90.000	179.680	11063.997	60.382	0.000	64.662	-0.000	60.382	0.000	0.000	64.694	45.689	-2.848	MWD+IFR1+MS
17800.000	90.000	179.680	11063.997	61.079	0.000	65.268	-0.000	61.079	0.000	0.000	65.298	45.731	-2.769	MWD+IFR1+MS
17900.000	90.000	179.680	11063.997	61.778	0.000	65.877	-0.000	61.778	0.000	0.000	65.907	45.774	-2.694	MWD+IFR1+MS
18000.000	90.000	179.680	11063.997	62.480	0.000	66.490	-0.000	62.480	0.000	0.000	66.518	45.817	-2.623	MWD+IFR1+MS
18100.000	90.000	179.680	11063.997	63.183	0.000	67.105	-0.000	63.183	0.000	0.000	67.132	45.860	-2.555	MWD+IFR1+MS
18200.000	90.000	179.680	11063.997	63.888	0.000	67.724	-0.000	63.888	0.000	0.000	67.750	45.904	-2.491	MWD+IFR1+MS
18300.000	90.000	179.680	11063.997	64.595	0.000	68.345	-0.000	64.595	0.000	0.000	68.371	45.949	-2.430	MWD+IFR1+MS
18400.000	90.000	179.680	11063.997	65.304	0.000	68.970	-0.000	65.304	0.000	0.000	68.994	45.994	-2.371	MWD+IFR1+MS
18500.000	90.000	179.680	11063.997	66.014	0.000	69.597	-0.000	66.014	0.000	0.000	69.621	46.039	-2.315	MWD+IFR1+MS
18600.000	90.000	179.680	11063.997	66.726	0.000	70.227	-0.000	66.726	0.000	0.000	70.250	46.085	-2.262	MWD+IFR1+MS
18700.000	90.000	179.680	11063.997	67.440	0.000	70.860	-0.000	67.440	0.000	0.000	70.882	46.132	-2.211	MWD+IFR1+MS
18800.000	90.000	179.680	11063.997	68.155	0.000	71.495	-0.000	68.155	0.000	0.000	71.517	46.179	-2.162	MWD+IFR1+MS
18900.000	90.000	179.680	11063.997	68.872	0.000	72.133	-0.000	68.872	0.000	0.000	72.154	46.226	-2.116	MWD+IFR1+MS
19000.000	90.000	179.680	11063.997	69.591	0.000	72.773	-0.000	69.591	0.000	0.000	72.793	46.274	-2.071	MWD+IFR1+MS
19100.000	90.000	179.680	11063.997	70.310	0.000	73.416	-0.000	70.310	0.000	0.000	73.435	46.323	-2.028	MWD+IFR1+MS

19200.000	90.000	179.680	11063.997	71.031	0.000	74.061	-0.000	71.031	0.000	0.000	74.080	46.372	-1.987	MWD+IFR1+MS
19300.000	90.000	179.680	11063.997	71.754	0.000	74.708	-0.000	71.754	0.000	0.000	74.727	46.421	-1.947	MWD+IFR1+MS
19400.000	90.000	179.680	11063.997	72.478	0.000	75.358	-0.000	72.478	0.000	0.000	75.376	46.471	-1.909	MWD+IFR1+MS
19500.000	90.000	179.680	11063.997	73.203	0.000	76.009	-0.000	73.203	0.000	0.000	76.027	46.522	-1.873	MWD+IFR1+MS
19600.000	90.000	179.680	11063.997	73.929	0.000	76.663	-0.000	73.929	0.000	0.000	76.680	46.572	-1.838	MWD+IFR1+MS
19700.000	90.000	179.680	11063.997	74.656	0.000	77.319	-0.000	74.656	0.000	0.000	77.335	46.624	-1.804	MWD+IFR1+MS
19800.000	90.000	179.680	11063.997	75.385	0.000	77.977	-0.000	75.385	0.000	0.000	77.993	46.676	-1.772	MWD+IFR1+MS
19900.000	90.000	179.680	11063.997	76.114	0.000	78.636	-0.000	76.114	0.000	0.000	78.652	46.728	-1.740	MWD+IFR1+MS
20000.000	90.000	179.680	11063.997	76.845	0.000	79.298	-0.000	76.845	0.000	0.000	79.313	46.781	-1.710	MWD+IFR1+MS
20100.000	90.000	179.680	11063.997	77.577	0.000	79.962	-0.000	77.577	0.000	0.000	79.976	46.834	-1.681	MWD+IFR1+MS
20200.000	90.000	179.680	11063.997	78.310	0.000	80.627	-0.000	78.310	0.000	0.000	80.641	46.888	-1.653	MWD+IFR1+MS
20300.000	90.000	179.680	11063.997	79.044	0.000	81.294	-0.000	79.044	0.000	0.000	81.308	46.943	-1.626	MWD+IFR1+MS
20400.000	90.000	179.680	11063.997	79.779	0.000	81.963	-0.000	79.779	0.000	0.000	81.977	46.998	-1.599	MWD+IFR1+MS
20500.000	90.000	179.680	11063.997	80.514	0.000	82.633	-0.000	80.514	0.000	0.000	82.647	47.053	-1.574	MWD+IFR1+MS
20600.000	90.000	179.680	11063.997	81.251	0.000	83.306	-0.000	81.251	0.000	0.000	83.319	47.109	-1.549	MWD+IFR1+MS
20700.000	90.000	179.680	11063.997	81.989	0.000	83.979	-0.000	81.989	0.000	0.000	83.992	47.165	-1.526	MWD+IFR1+MS
20800.000	90.000	179.680	11063.997	82.727	0.000	84.655	-0.000	82.727	0.000	0.000	84.667	47.222	-1.503	MWD+IFR1+MS
20900.000	90.000	179.680	11063.997	83.466	0.000	85.331	-0.000	83.466	0.000	0.000	85.344	47.279	-1.481	MWD+IFR1+MS
21000.000	90.000	179.680	11063.997	84.206	0.000	86.010	-0.000	84.206	0.000	0.000	86.022	47.337	-1.459	MWD+IFR1+MS
21100.000	90.000	179.680	11063.997	84.947	0.000	86.690	-0.000	84.947	0.000	0.000	86.701	47.395	-1.438	MWD+IFR1+MS
21200.000	90.000	179.680	11063.997	85.689	0.000	87.371	-0.000	85.689	0.000	0.000	87.382	47.454	-1.418	MWD+IFR1+MS
21300.000	90.000	179.680	11063.997	86.431	0.000	88.053	-0.000	86.431	0.000	0.000	88.064	47.513	-1.398	MWD+IFR1+MS
21400.000	90.000	179.680	11063.997	87.175	0.000	88.737	-0.000	87.175	0.000	0.000	88.748	47.572	-1.379	MWD+IFR1+MS
21500.000	90.000	179.680	11063.997	87.918	0.000	89.422	-0.000	87.918	0.000	0.000	89.433	47.633	-1.361	MWD+IFR1+MS
21600.000	90.000	179.680	11063.997	88.663	0.000	90.109	-0.000	88.663	0.000	0.000	90.119	47.693	-1.343	MWD+IFR1+MS
21700.000	90.000	179.680	11063.997	89.408	0.000	90.797	-0.000	89.408	0.000	0.000	90.807	47.754	-1.326	MWD+IFR1+MS
21800.000	90.000	179.680	11063.997	90.154	0.000	91.486	-0.000	90.154	0.000	0.000	91.496	47.816	-1.309	MWD+IFR1+MS
21900.000	90.000	179.680	11063.997	90.901	0.000	92.176	-0.000	90.901	0.000	0.000	92.186	47.878	-1.292	MWD+IFR1+MS
22000.000	90.000	179.680	11063.997	91.648	0.000	92.868	-0.000	91.648	0.000	0.000	92.877	47.940	-1.276	MWD+IFR1+MS
22100.000	90.000	179.680	11063.997	92.396	0.000	93.560	-0.000	92.396	0.000	0.000	93.569	48.003	-1.261	MWD+IFR1+MS
22200.000	90.000	179.680	11063.997	93.145	0.000	94.254	-0.000	93.145	0.000	0.000	94.263	48.066	-1.246	MWD+IFR1+MS
22300.000	90.000	179.680	11063.997	93.894	0.000	94.949	-0.000	93.894	0.000	0.000	94.958	48.130	-1.231	MWD+IFR1+MS
22400.000	90.000	179.680	11063.997	94.643	0.000	95.645	-0.000	94.643	0.000	0.000	95.653	48.195	-1.217	MWD+IFR1+MS

22500.000	90.000	179.680	11063.997	95.394	0.000	96.342	-0.000	95.394	0.000	0.000	96.350	48.259	-1.203	MWD+IFR1+MS
22600.000	90.000	179.680	11063.997	96.144	0.000	97.040	-0.000	96.144	0.000	0.000	97.048	48.324	-1.189	MWD+IFR1+MS
22700.000	90.000	179.680	11063.997	96.896	0.000	97.739	-0.000	96.896	0.000	0.000	97.747	48.390	-1.176	MWD+IFR1+MS
22800.000	90.000	179.680	11063.997	97.648	0.000	98.439	-0.000	97.648	0.000	0.000	98.447	48.456	-1.163	MWD+IFR1+MS
22900.000	90.000	179.680	11063.997	98.400	0.000	99.140	-0.000	98.400	0.000	0.000	99.147	48.523	-1.150	MWD+IFR1+MS
23000.000	90.000	179.680	11063.997	99.153	0.000	99.841	-0.000	99.153	0.000	0.000	99.849	48.590	-1.138	MWD+IFR1+MS
23100.000	90.000	179.680	11063.997	99.906	0.000	100.544	-0.000	99.906	0.000	0.000	100.552	48.657	-1.126	MWD+IFR1+MS
23200.000	90.000	179.680	11063.997	100.660	0.000	101.248	-0.000	100.660	0.000	0.000	101.256	48.725	-1.115	MWD+IFR1+MS
23300.000	90.000	179.680	11063.997	101.414	0.000	101.953	-0.000	101.414	0.000	0.000	101.960	48.794	-1.103	MWD+IFR1+MS
23400.000	90.000	179.680	11063.997	102.169	0.000	102.658	-0.000	102.169	0.000	0.000	102.665	48.862	-1.092	MWD+IFR1+MS
23500.000	90.000	179.680	11063.997	102.924	0.000	103.365	-0.000	102.924	0.000	0.000	103.372	48.932	-1.081	MWD+IFR1+MS
23600.000	90.000	179.680	11063.997	103.680	0.000	104.072	-0.000	103.680	0.000	0.000	104.079	49.001	-1.071	MWD+IFR1+MS
23700.000	90.000	179.680	11063.997	104.436	0.000	104.780	-0.000	104.436	0.000	0.000	104.787	49.071	-1.061	MWD+IFR1+MS
23800.000	90.000	179.680	11063.997	105.192	0.000	105.489	-0.000	105.192	0.000	0.000	105.495	49.142	-1.050	MWD+IFR1+MS
23900.000	90.000	179.680	11063.997	105.949	0.000	106.198	-0.000	105.949	0.000	0.000	106.205	49.213	-1.041	MWD+IFR1+MS
24000.000	90.000	179.680	11063.997	106.707	0.000	106.909	-0.000	106.707	0.000	0.000	106.915	49.284	-1.031	MWD+IFR1+MS
24100.000	90.000	179.680	11063.997	107.464	0.000	107.620	-0.000	107.464	0.000	0.000	107.626	49.356	-1.022	MWD+IFR1+MS
24200.000	90.000	179.680	11063.997	108.222	0.000	108.332	-0.000	108.222	0.000	0.000	108.338	49.428	-1.012	MWD+IFR1+MS
24300.000	90.000	179.680	11063.997	108.981	0.000	109.044	-0.000	108.981	0.000	0.000	109.050	49.501	-1.003	MWD+IFR1+MS
24400.000	90.000	179.680	11063.997	109.740	0.000	109.758	-0.000	109.740	0.000	0.000	109.764	49.574	-0.995	MWD+IFR1+MS
24500.000	90.000	179.680	11063.997	110.499	0.000	110.472	-0.000	110.499	0.000	0.000	110.478	49.648	-0.986	MWD+IFR1+MS
24600.000	90.000	179.680	11063.997	111.259	0.000	111.186	-0.000	111.259	0.000	0.000	111.192	49.722	-0.978	MWD+IFR1+MS
24700.000	90.000	179.680	11063.997	112.018	0.000	111.902	-0.000	112.018	0.000	0.000	111.908	49.796	-0.969	MWD+IFR1+MS
24800.000	90.000	179.680	11063.997	112.779	0.000	112.618	-0.000	112.779	0.000	0.000	112.624	49.871	-0.961	MWD+IFR1+MS
24900.000	90.000	179.680	11063.997	113.539	0.000	113.335	-0.000	113.539	0.000	0.000	113.340	49.946	-0.954	MWD+IFR1+MS
25000.000	90.000	179.680	11063.997	114.300	0.000	114.052	-0.000	114.300	0.000	0.000	114.057	50.022	-0.946	MWD+IFR1+MS
25100.000	90.000	179.680	11063.997	115.061	0.000	114.770	-0.000	115.061	0.000	0.000	114.775	50.098	-0.938	MWD+IFR1+MS
25200.000	90.000	179.680	11063.997	115.823	0.000	115.488	-0.000	115.823	0.000	0.000	115.494	50.174	-0.931	MWD+IFR1+MS
25300.000	90.000	179.680	11063.997	116.585	0.000	116.208	-0.000	116.585	0.000	0.000	116.213	50.251	-0.924	MWD+IFR1+MS
25400.000	90.000	179.680	11063.997	117.347	0.000	116.927	-0.000	117.347	0.000	0.000	116.932	50.328	-0.917	MWD+IFR1+MS
25500.000	90.000	179.680	11063.997	118.109	0.000	117.648	-0.000	118.109	0.000	0.000	117.653	50.406	-0.910	MWD+IFR1+MS
25600.000	90.000	179.680	11063.997	118.872	0.000	118.369	-0.000	118.872	0.000	0.000	118.374	50.484	-0.903	MWD+IFR1+MS
25700.000	90.000	179.680	11063.997	119.635	0.000	119.090	-0.000	119.635	0.000	0.000	119.095	50.562	-0.896	MWD+IFR1+MS

25800.000	90.000	179.680	11063.997	120.399	0.000	119.812	-0.000	120.399	0.000	0.000	119.817	50.641	-0.889	MWD+IFR1+MS
25900.000	90.000	179.680	11063.997	121.162	0.000	120.535	-0.000	121.162	0.000	0.000	120.539	50.720	-0.883	MWD+IFR1+MS
26000.000	90.000	179.680	11063.997	121.926	0.000	121.258	-0.000	121.926	0.000	0.000	121.262	50.800	-0.877	MWD+IFR1+MS
26100.000	90.000	179.680	11063.997	122.690	0.000	121.981	-0.000	122.690	0.000	0.000	121.986	50.880	-0.871	MWD+IFR1+MS
26200.000	90.000	179.680	11063.997	123.454	0.000	122.705	-0.000	123.454	0.000	0.000	122.710	50.961	-0.865	MWD+IFR1+MS
26300.000	90.000	179.680	11063.997	124.219	0.000	123.430	-0.000	124.219	0.000	0.000	123.434	51.041	-0.859	MWD+IFR1+MS
26400.000	90.000	179.680	11063.997	124.984	0.000	124.155	-0.000	124.984	0.000	0.000	124.160	51.123	-0.853	MWD+IFR1+MS
26500.000	90.000	179.680	11063.997	125.749	0.000	124.881	-0.000	125.749	0.000	0.000	124.885	51.204	-0.847	MWD+IFR1+MS
26600.000	90.000	179.680	11063.997	126.514	0.000	125.607	-0.000	126.514	0.000	0.000	125.611	51.286	-0.841	MWD+IFR1+MS
26700.000	90.000	179.680	11063.997	127.280	0.000	126.333	-0.000	127.280	0.000	0.000	126.337	51.369	-0.836	MWD+IFR1+MS
26800.000	90.000	179.680	11063.997	128.046	0.000	127.060	-0.000	128.046	0.000	0.000	127.064	51.451	-0.830	MWD+IFR1+MS
26900.000	90.000	179.680	11063.997	128.812	0.000	127.788	-0.000	128.812	0.000	0.000	127.792	51.534	-0.825	MWD+IFR1+MS
27000.000	90.000	179.680	11063.997	129.578	0.000	128.515	-0.000	129.578	0.000	0.000	128.520	51.618	-0.820	MWD+IFR1+MS
27100.000	90.000	179.680	11063.997	130.345	0.000	129.244	-0.000	130.345	0.000	0.000	129.248	51.702	-0.815	MWD+IFR1+MS
27200.000	90.000	179.680	11063.997	131.111	0.000	129.973	-0.000	131.111	0.000	0.000	129.977	51.786	-0.810	MWD+IFR1+MS
27300.000	90.000	179.680	11063.997	131.878	0.000	130.702	-0.000	131.878	0.000	0.000	130.706	51.871	-0.805	MWD+IFR1+MS
27400.000	90.000	179.680	11063.997	132.646	0.000	131.431	-0.000	132.646	0.000	0.000	131.435	51.956	-0.800	MWD+IFR1+MS
27500.000	90.000	179.680	11063.997	133.413	0.000	132.161	-0.000	133.413	0.000	0.000	132.165	52.041	-0.795	MWD+IFR1+MS
27600.000	90.000	179.680	11063.997	134.180	0.000	132.892	-0.000	134.180	0.000	0.000	132.895	52.127	-0.790	MWD+IFR1+MS
27700.000	90.000	179.680	11063.997	134.948	0.000	133.622	-0.000	134.948	0.000	0.000	133.626	52.213	-0.786	MWD+IFR1+MS
27800.000	90.000	179.680	11063.997	135.716	0.000	134.354	-0.000	135.716	0.000	0.000	134.357	52.299	-0.781	MWD+IFR1+MS
27900.000	90.000	179.680	11063.997	136.484	0.000	135.085	-0.000	136.484	0.000	0.000	135.089	52.386	-0.777	MWD+IFR1+MS
28000.000	90.000	179.680	11063.997	137.253	0.000	135.817	-0.000	137.253	0.000	0.000	135.821	52.473	-0.772	MWD+IFR1+MS
28100.000	90.000	179.680	11063.997	138.021	0.000	136.549	-0.000	138.021	0.000	0.000	136.553	52.561	-0.768	MWD+IFR1+MS
28200.000	90.000	179.680	11063.997	138.790	0.000	137.282	-0.000	138.790	0.000	0.000	137.285	52.649	-0.764	MWD+IFR1+MS
28300.000	90.000	179.680	11063.997	139.559	0.000	138.015	-0.000	139.559	0.000	0.000	138.018	52.737	-0.760	MWD+IFR1+MS
28400.000	90.000	179.680	11063.997	140.328	0.000	138.748	-0.000	140.328	0.000	0.000	138.752	52.826	-0.756	MWD+IFR1+MS
28500.000	90.000	179.680	11063.997	141.097	0.000	139.482	-0.000	141.097	0.000	0.000	139.485	52.915	-0.752	MWD+IFR1+MS
28600.000	90.000	179.680	11063.997	141.866	0.000	140.216	-0.000	141.866	0.000	0.000	140.219	53.004	-0.748	MWD+IFR1+MS
28700.000	90.000	179.680	11063.997	142.636	0.000	140.950	-0.000	142.636	0.000	0.000	140.954	53.094	-0.744	MWD+IFR1+MS
28800.000	90.000	179.680	11063.997	143.406	0.000	141.685	-0.000	143.406	0.000	0.000	141.688	53.184	-0.740	MWD+IFR1+MS
28900.000	90.000	179.680	11063.997	144.176	0.000	142.420	-0.000	144.176	0.000	0.000	142.423	53.274	-0.736	MWD+IFR1+MS
29000.000	90.000	179.680	11063.997	144.946	0.000	143.156	-0.000	144.946	0.000	0.000	143.159	53.365	-0.732	MWD+IFR1+MS

29100.000	90.000	179.680	11063.997	145.716	0.000	143.891	-0.000	145.716	0.000	0.000	143.894	53.456	-0.729	MWD+IFR1+MS
29200.000	90.000	179.680	11063.997	146.486	0.000	144.627	-0.000	146.486	0.000	0.000	144.630	53.547	-0.725	MWD+IFR1+MS
29300.000	90.000	179.680	11063.997	147.257	0.000	145.363	-0.000	147.257	0.000	0.000	145.367	53.639	-0.721	MWD+IFR1+MS
29400.000	90.000	179.680	11063.997	148.027	0.000	146.100	-0.000	148.027	0.000	0.000	146.103	53.731	-0.718	MWD+IFR1+MS
29500.000	90.000	179.680	11063.997	148.798	0.000	146.837	-0.000	148.798	0.000	0.000	146.840	53.823	-0.714	MWD+IFR1+MS
29600.000	90.000	179.680	11063.997	149.569	0.000	147.574	-0.000	149.569	0.000	0.000	147.577	53.916	-0.711	MWD+IFR1+MS
29700.000	90.000	179.680	11063.997	150.340	0.000	148.312	-0.000	150.340	0.000	0.000	148.315	54.009	-0.708	MWD+IFR1+MS
29800.000	90.000	179.680	11063.997	151.111	0.000	149.049	-0.000	151.111	0.000	0.000	149.052	54.102	-0.704	MWD+IFR1+MS
29900.000	90.000	179.680	11063.997	151.883	0.000	149.787	-0.000	151.883	0.000	0.000	149.790	54.196	-0.701	MWD+IFR1+MS
30000.000	90.000	179.680	11063.997	152.654	0.000	150.526	-0.000	152.654	0.000	0.000	150.529	54.290	-0.698	MWD+IFR1+MS
30100.000	90.000	179.680	11063.997	153.426	0.000	151.264	-0.000	153.426	0.000	0.000	151.267	54.384	-0.695	MWD+IFR1+MS
30200.000	90.000	179.680	11063.997	154.198	0.000	152.003	-0.000	154.198	0.000	0.000	152.006	54.479	-0.692	MWD+IFR1+MS
30300.000	90.000	179.680	11063.997	154.970	0.000	152.742	-0.000	154.970	0.000	0.000	152.745	54.574	-0.689	MWD+IFR1+MS
30400.000	90.000	179.680	11063.997	155.742	0.000	153.482	-0.000	155.742	0.000	0.000	153.484	54.669	-0.686	MWD+IFR1+MS
30500.000	90.000	179.680	11063.997	156.514	0.000	154.221	-0.000	156.514	0.000	0.000	154.224	54.765	-0.683	MWD+IFR1+MS
30600.000	90.000	179.680	11063.997	157.286	0.000	154.961	-0.000	157.286	0.000	0.000	154.964	54.861	-0.680	MWD+IFR1+MS
30700.000	90.000	179.680	11063.997	158.059	0.000	155.701	-0.000	158.059	0.000	0.000	155.704	54.957	-0.677	MWD+IFR1+MS
30800.000	90.000	179.680	11063.997	158.831	0.000	156.442	-0.000	158.831	0.000	0.000	156.444	55.053	-0.674	MWD+IFR1+MS
30900.000	90.000	179.680	11063.997	159.604	0.000	157.182	-0.000	159.604	0.000	0.000	157.185	55.150	-0.671	MWD+IFR1+MS
31000.000	90.000	179.680	11063.997	160.377	0.000	157.923	-0.000	160.377	0.000	0.000	157.926	55.247	-0.668	MWD+IFR1+MS
31100.000	90.000	179.680	11063.997	161.149	0.000	158.664	-0.000	161.149	0.000	0.000	158.667	55.345	-0.666	MWD+IFR1+MS
31200.000	90.000	179.680	11063.997	161.922	0.000	159.405	-0.000	161.922	0.000	0.000	159.408	55.443	-0.663	MWD+IFR1+MS
31300.000	90.000	179.680	11063.997	162.696	0.000	160.147	-0.000	162.696	0.000	0.000	160.149	55.541	-0.660	MWD+IFR1+MS
31400.000	90.000	179.680	11063.997	163.469	0.000	160.889	-0.000	163.469	0.000	0.000	160.891	55.639	-0.658	MWD+IFR1+MS
31507.865	90.000	179.680	11063.997	164.303	0.000	161.689	-0.000	164.303	0.000	0.000	161.692	55.746	-0.655	MWD+IFR1+MS
31607.863	90.000	179.680	11063.997	165.077	0.000	162.432	-0.000	165.077	0.000	0.000	162.434	55.845	-0.652	MWD+IFR1+MS

Plan Targets

Poker Lake Unit 20 DTD South 411H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 24	11197.24	440409.60	635260.80	7741.00	RECTANGLE
SHL 28	9432.34	440077.88	635241.62	5764.90	RECTANGLE
LTP 24	31507.86	419664.00	635376.70	7741.00	RECTANGLE

BHL 24	31607.89	419564.00	635377.20	7741.00	RECTANGLE
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Santa Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-102 Revised July 9, 2024 Submit Electronically via OCD Permitting	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

WELL LOCATION INFORMATION

API Number 30-015-54915	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP
Property Code	Property Name POKER LAKE UNIT 20 DTD	Well Number 411H
OGRID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3291'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	20	24S	30E		337 FNL	548 FEL	32.209519	-103.896655	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	05	25S	30E		230 FSL	496 FEL	32.152867	-103.896385	EDDY

Dedicated Acres 2,321.00	Infill or Defining Well INFILL	Defining Well API 30-015-54912	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers:			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	20	24S	30E		337 FNL	548 FEL	32.209519	-103.896655	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	20	24S	30E		100 FNL	497 FEL	32.210171	-103.896490	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
P	05	25S	30E		330 FSL	496 FEL	32.153142	-103.896386	EDDY

Unitized Area or Area of Uniform Interest NMNM105422429	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3291'
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OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division. Lacey Granillo 5/29/25 SignatureDate Lacey Granillo Printed Name Lacey.granillo@exxonmobil.com Email Address	SURVEYOR CERTIFICATIONS 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.   Signature and Seal of Professional Surveyor 23786 05-22-2025 Certificate NumberDate of Survey DB618.013003.06-59
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Note: 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.

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.



 SECTION LINE
  330' BUFFER
  PPP

 TOWNSHIP LINE
  MINERAL LEASE
 WELL

 DEDICATED ACREAGE
  WELLBORE

CORNER COORDINATE TABLE				
CORNER	NAD 83 NME X	NAD 83 NME Y	NAD 27 NME X	NAD 27 NME Y
A	674,262.0	440,546.3	633,078.3	440,487.0
B	674,277.3	437,901.7	633,093.6	437,842.5
C	674,292.7	435,257.6	633,108.8	435,198.5
D	674,313.5	432,613.8	633,129.5	432,554.7
E	674,334.3	429,970.0	633,150.3	429,910.9
F	674,344.5	427,326.7	633,160.4	427,267.8
G	674,354.7	424,680.7	633,170.5	424,621.8
H	674,366.8	422,013.8	633,182.5	421,955.0
I	674,378.8	419,352.4	633,194.4	419,293.6
J	676,941.2	440,574.0	635,757.5	440,514.8
K	676,946.1	437,930.7	635,762.3	437,871.4
L	676,950.6	435,288.0	635,766.7	435,228.8
M	676,980.3	432,645.3	635,796.4	432,586.2
N	677,010.4	430,004.1	635,826.3	429,945.1
O	677,023.8	427,361.7	635,839.7	427,302.8
P	677,036.7	424,716.9	635,852.5	424,658.0
Q	677,047.1	422,064.2	635,862.8	422,005.4

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

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

CONDITIONS

Action 471558

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 471558
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Accepted for the record.	8/22/2025