

Well Name: POKER LAKE UNIT 20-8 BD	Well Location: T25S / R30E / SEC 20 / NWSE / 32.113042 / -103.89969	County or Parish/State: EDDY / NM
Well Number: 165H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMLC064894A	Unit or CA Name:	Unit or CA Number:
US Well Number: 300155325000X1	Well Status: Drilling Well	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2760272

Type of Submission: Notice of Intent

Date Sundry Submitted: 11/07/2023

Date proposed operation will begin: 11/08/2023

Type of Action: APD Change

Time Sundry Submitted: 06:54

Procedure Description: While drilling on bottom in the 6-3/4" production sidetrack #2 lateral, a twist off of the drill string was observed. The top of fish was found to be at 12600' MD. Multiple fishing attempts were made by XTO Permian over the course of a week to retrieve the fish - all unsuccessful. XTO Permian Operating LLC respectfully requests approval to perform an open hole sidetrack at 12300' MD at the base of the curve and re-drill the production lateral to TD at 27524'. Please see attached documents: Summary, Current Wellbore Diagram, Proposed Wellbore Diagram and Directional Plan.

NOI Attachments

- Procedure Description
- PLU_20_8_Brushy_Draw_165H_ST03_Plan_1_Well_Plan_Rpt_20231107185340.pdf

PLU_20_8_BD_165H_ST03_BLM_Summary_20231107185310.pdf

Received by OCD: 3/18/2024 6:48:16 AM

Page 2 of 22

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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: RANELL (RUSTY) KLEIN

Signed on: NOV 07, 2023 06:54 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLANDState: TX

Phone: (432) 620-6700

Email address: RANELL.KLEIN@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: 03/15/2024

Signature: Chris Walls

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.
		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.
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 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.)

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

THE SPACE FOR FEDERAL OR STATE OFFICE 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 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: NWSE / 1718 FSL / 1514 FEL / TWSP: 25S / RANGE: 30E / SECTION: 20 / LAT: 32.113042 / LONG: -103.89969 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 100 FSL / 930 FEL / TWSP: 25S / RANGE: 30E / SECTION: 20 / LAT: 32.108606 / LONG: -103.897812 (TVD: 11853 feet, MD: 12500 feet)

BHL: NENE / 50 FNL / 250 FEL / TWSP: 25S / RANGE: 30E / SECTION: 8 / LAT: 32.152162 / LONG: -103.897788 (TVD: 11793 feet, MD: 28307 feet)

ROC

PLU 20-8, 20-17, 18-19, 18-30 BD - Eddy(NAD27 NME)
(HP 463) - PLU 20-8 Brushy Draw Pad D - Plans
((463)) Poker Lake Unit 20-8 BD - 165H

ST03

Plan: Plan 1

Standard Planning Report

04 November, 2023

ExxonMobil
Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well ((463)) Poker Lake Unit 20-8 BD - 165H
Company:	ROC	TVD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Project:	PLU 20-8, 20-17, 18-19, 18-30 BD - Eddy(NAD27 NME)	MD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Site:	(HP 463) - PLU 20-8 Brushy Draw Pad D - Plans	North Reference:	Grid
Well:	((463)) Poker Lake Unit 20-8 BD - 165H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST03		
Design:	Plan 1		

Project	PLU 20-8, 20-17, 18-19, 18-30 BD - Eddy(NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	(HP 463) - PLU 20-8 Brushy Draw Pad D - Plans		
Site Position:		Northing:	405,071.70 usft
From:	Map	Easting:	634,322.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 46.495 N
		Longitude:	103° 53' 58.193 W

Well	((463)) Poker Lake Unit 20-8 BD - 165H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
Grid Convergence:	0.23 °		
		Latitude:	32° 6' 46.502 N
		Longitude:	103° 53' 57.147 W
		Ground Level:	3,199.0 usft

Wellbore	ST03				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/4/2023	6.41	59.67	47,148.01428209

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	12,166.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.80

Plan Survey Tool Program	Date	11/4/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	12,166.0	27,524.4	Plan 1 (ST03)	XOMR2_OWSG MWD+IFR1+ OWSG MWD + IFR1 + Multi-St

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Design:	Plan 1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
12,166.0	80.90	354.67	11,573.1	-1,138.1	1,299.1	0.00	0.00	0.00	0.00	
12,250.0	89.45	355.24	11,580.2	-1,054.8	1,291.7	10.20	10.18	0.68	3.83	
12,265.0	88.55	355.24	11,580.4	-1,039.8	1,290.5	6.00	-6.00	0.00	180.00	
12,275.0	87.99	355.45	11,580.7	-1,029.9	1,289.7	6.00	-5.64	2.05	160.00	
12,285.0	87.53	355.83	11,581.1	-1,019.9	1,288.9	6.00	-4.60	3.86	140.00	
12,496.1	87.00	8.50	11,591.2	-809.6	1,296.9	6.00	-0.25	6.00	92.68	
12,556.1	87.00	8.50	11,594.4	-750.4	1,305.7	0.00	0.00	0.00	0.00	
13,016.0	90.00	359.80	11,606.4	-292.3	1,338.9	2.00	0.65	-1.89	-71.12	
27,480.8	90.00	359.80	11,606.4	14,172.4	1,288.4	0.00	0.00	0.00	0.00	LTP PLU 20-8 BD 165
27,524.4	90.00	359.80	11,606.4	14,216.0	1,288.3	0.00	0.00	0.00	0.00	PBHL PLU 20-8 BD 1

ExxonMobil

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Wellbore:	ST03		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
112.5	0.30	329.27	112.5	0.3	-0.2	0.3	0.27	0.27	0.00
142.5	0.20	73.27	142.5	0.3	-0.1	0.3	1.33	-0.33	346.67
171.5	0.40	112.27	171.5	0.3	0.0	0.3	0.95	0.69	134.48
227.5	0.60	182.27	227.5	-0.1	0.2	-0.1	1.07	0.36	125.00
258.5	0.10	212.27	258.5	-0.2	0.2	-0.2	1.66	-1.61	96.77
352.5	0.40	114.27	352.5	-0.4	0.4	-0.4	0.45	0.32	-104.26
446.5	0.60	158.27	446.5	-1.0	0.9	-1.0	0.44	0.21	46.81
603.5	0.30	161.27	603.5	-2.2	1.3	-2.2	0.19	-0.19	1.91
635.5	0.70	209.27	635.5	-2.4	1.3	-2.4	1.71	1.25	150.00
729.5	0.80	215.27	729.5	-3.5	0.6	-3.5	0.14	0.11	6.38
824.5	0.80	228.27	824.5	-4.5	-0.3	-4.5	0.19	0.00	13.68
918.5	0.90	200.27	918.5	-5.6	-1.0	-5.6	0.45	0.11	-29.79
966.5	0.70	181.27	966.5	-6.2	-1.2	-6.2	0.69	-0.42	-39.58
1,075.0	0.78	174.96	1,074.9	-7.6	-1.1	-7.6	0.11	0.07	-5.82
1,170.0	0.90	141.98	1,169.9	-8.9	-0.6	-8.9	0.52	0.13	-34.72
1,265.0	3.42	132.48	1,264.9	-11.4	2.0	-11.4	2.67	2.65	-10.00
1,360.0	7.55	125.77	1,359.4	-16.9	9.1	-17.0	4.39	4.35	-7.06
1,455.0	10.51	125.71	1,453.2	-25.6	21.2	-25.7	3.12	3.12	-0.06
1,550.0	11.07	124.78	1,546.5	-35.9	35.7	-36.0	0.62	0.59	-0.98
1,645.0	10.48	122.91	1,639.9	-45.8	50.5	-46.0	0.72	-0.62	-1.97
1,740.0	10.27	120.84	1,733.3	-54.8	65.0	-55.1	0.45	-0.22	-2.18
1,835.0	13.46	127.02	1,826.3	-65.8	81.1	-66.1	3.61	3.36	6.51
1,930.0	16.98	137.56	1,917.9	-82.7	99.3	-83.1	4.70	3.71	11.09
2,025.0	18.11	141.26	2,008.5	-104.5	117.9	-104.9	1.67	1.19	3.89
2,121.0	18.38	141.27	2,099.7	-127.9	136.7	-128.4	0.28	0.28	0.01
2,216.0	16.87	140.86	2,190.2	-150.3	154.8	-150.9	1.59	-1.59	-0.43
2,311.0	19.08	139.10	2,280.6	-172.7	173.7	-173.3	2.40	2.33	-1.85
2,406.0	19.87	138.80	2,370.2	-196.6	194.5	-197.3	0.84	0.83	-0.32
2,501.0	19.06	138.81	2,459.7	-220.4	215.3	-221.2	0.85	-0.85	0.01
2,596.0	17.66	138.93	2,549.9	-243.0	235.0	-243.8	1.47	-1.47	0.13
2,692.0	17.56	140.18	2,641.4	-265.1	253.8	-266.0	0.41	-0.10	1.30
2,787.0	19.11	140.90	2,731.6	-288.2	272.8	-289.1	1.65	1.63	0.76
2,882.0	17.56	142.10	2,821.7	-311.5	291.4	-312.6	1.68	-1.63	1.26
2,977.0	17.66	141.37	2,912.3	-334.1	309.2	-335.2	0.26	0.11	-0.77
3,072.0	20.84	138.50	3,002.0	-358.0	329.4	-359.2	3.49	3.35	-3.02
3,167.0	22.78	137.57	3,090.2	-384.3	353.0	-385.5	2.07	2.04	-0.98
3,263.0	20.96	136.79	3,179.3	-410.5	377.3	-411.8	1.92	-1.90	-0.81
3,358.0	20.77	137.40	3,268.0	-435.3	400.4	-436.7	0.30	-0.20	0.64
3,453.0	20.81	138.12	3,356.8	-460.2	423.0	-461.7	0.27	0.04	0.76
3,548.0	20.64	139.57	3,445.7	-485.6	445.2	-487.1	0.57	-0.18	1.53
3,643.0	19.60	138.44	3,534.9	-510.2	466.6	-511.8	1.17	-1.09	-1.19
3,738.0	17.64	137.12	3,624.9	-532.7	487.0	-534.4	2.11	-2.06	-1.39
3,833.0	16.08	138.58	3,715.8	-553.1	505.5	-554.9	1.70	-1.64	1.54
3,928.0	17.05	138.47	3,806.9	-573.4	523.4	-575.2	1.02	1.02	-0.12
4,023.0	21.05	137.69	3,896.7	-596.5	544.1	-598.3	4.22	4.21	-0.82
4,118.0	22.10	138.46	3,985.0	-622.4	567.5	-624.4	1.14	1.11	0.81
4,213.0	22.80	138.70	4,072.8	-649.7	591.5	-651.7	0.74	0.74	0.25
4,308.0	22.69	139.51	4,160.4	-677.4	615.5	-679.6	0.35	-0.12	0.85
4,404.0	22.98	140.58	4,248.9	-706.0	639.4	-708.2	0.53	0.30	1.11
4,499.0	22.47	140.43	4,336.5	-734.3	662.8	-736.6	0.54	-0.54	-0.16
4,594.0	22.85	140.36	4,424.2	-762.5	686.1	-764.9	0.40	0.40	-0.07

ExxonMobil

Planning Report

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Well:	((463)) Poker Lake Unit 20-8 BD - 165H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST03		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,689.0	23.12	140.82	4,511.6	-791.2	709.7	-793.6	0.34	0.28	0.48
4,784.0	22.78	141.73	4,599.1	-820.1	732.8	-822.6	0.52	-0.36	0.96
4,879.0	21.52	142.68	4,687.1	-848.3	754.8	-851.0	1.38	-1.33	1.00
4,974.0	21.72	143.41	4,775.4	-876.3	775.8	-879.0	0.35	0.21	0.77
5,069.0	20.36	141.14	4,864.1	-903.3	796.7	-906.1	1.67	-1.43	-2.39
5,164.0	20.62	136.99	4,953.1	-928.4	818.5	-931.3	1.55	0.27	-4.37
5,260.0	21.17	131.71	5,042.8	-952.3	842.9	-955.2	2.04	0.57	-5.50
5,355.0	20.33	131.82	5,131.6	-974.7	868.0	-977.7	0.89	-0.88	0.12
5,450.0	20.44	131.79	5,220.7	-996.8	892.7	-999.9	0.12	0.12	-0.03
5,545.0	18.75	135.55	5,310.2	-1,018.7	915.8	-1,021.9	2.22	-1.78	3.96
5,640.0	17.61	135.61	5,400.4	-1,039.9	936.5	-1,043.2	1.20	-1.20	0.06
5,735.0	17.07	136.09	5,491.1	-1,060.2	956.2	-1,063.6	0.59	-0.57	0.51
5,830.0	17.81	136.07	5,581.7	-1,080.7	976.0	-1,084.1	0.78	0.78	-0.02
5,925.0	17.81	137.66	5,672.2	-1,101.9	995.8	-1,105.4	0.51	0.00	1.67
6,020.0	19.65	139.16	5,762.2	-1,124.8	1,016.1	-1,128.3	2.00	1.94	1.58
6,115.0	21.05	139.61	5,851.2	-1,149.8	1,037.6	-1,153.4	1.48	1.47	0.47
6,210.0	22.46	140.35	5,939.5	-1,176.8	1,060.2	-1,180.5	1.51	1.48	0.78
6,305.0	21.30	141.38	6,027.6	-1,204.3	1,082.6	-1,208.0	1.29	-1.22	1.08
6,400.0	20.52	142.01	6,116.4	-1,230.9	1,103.6	-1,234.7	0.85	-0.82	0.66
6,495.0	19.29	142.75	6,205.7	-1,256.5	1,123.3	-1,260.4	1.32	-1.29	0.78
6,590.0	18.12	143.63	6,295.7	-1,280.9	1,141.6	-1,284.8	1.27	-1.23	0.93
6,685.0	17.83	142.30	6,386.0	-1,304.3	1,159.2	-1,308.3	0.53	-0.31	-1.40
6,780.0	19.01	141.32	6,476.2	-1,327.9	1,177.8	-1,332.0	1.28	1.24	-1.03
6,875.0	18.27	143.05	6,566.2	-1,351.8	1,196.4	-1,356.0	0.97	-0.78	1.82
6,971.0	17.54	143.42	6,657.5	-1,375.5	1,214.1	-1,379.7	0.77	-0.76	0.39
7,066.0	17.02	143.61	6,748.2	-1,398.2	1,230.9	-1,402.4	0.55	-0.55	0.20
7,161.0	16.96	144.22	6,839.1	-1,420.6	1,247.2	-1,424.9	0.20	-0.06	0.64
7,256.0	16.44	144.59	6,930.1	-1,442.8	1,263.1	-1,447.2	0.56	-0.55	0.39
7,351.0	15.41	144.95	7,021.4	-1,464.1	1,278.2	-1,468.5	1.09	-1.08	0.38
7,446.0	14.25	146.55	7,113.3	-1,484.2	1,291.8	-1,488.7	1.29	-1.22	1.68
7,541.0	12.95	147.39	7,205.6	-1,502.9	1,304.0	-1,507.4	1.38	-1.37	0.88
7,637.0	11.77	148.96	7,299.4	-1,520.3	1,314.9	-1,524.9	1.28	-1.23	1.64
7,732.0	10.69	150.99	7,392.6	-1,536.4	1,324.1	-1,541.0	1.21	-1.14	2.14
7,827.0	11.75	143.71	7,485.7	-1,551.9	1,334.1	-1,556.5	1.86	1.12	-7.66
7,922.0	10.25	145.50	7,579.0	-1,566.6	1,344.7	-1,571.3	1.62	-1.58	1.88
8,017.0	10.18	138.52	7,672.5	-1,579.9	1,355.0	-1,584.6	1.30	-0.07	-7.35
8,112.0	7.65	135.02	7,766.3	-1,590.6	1,365.0	-1,595.4	2.72	-2.66	-3.68
8,207.0	5.98	132.15	7,860.7	-1,598.4	1,373.2	-1,603.2	1.79	-1.76	-3.02
8,302.0	5.07	133.64	7,955.2	-1,604.7	1,379.9	-1,609.5	0.97	-0.96	1.57
8,397.0	3.20	138.68	8,050.0	-1,609.5	1,384.7	-1,614.4	2.00	-1.97	5.31
8,493.0	3.53	134.65	8,145.8	-1,613.6	1,388.5	-1,618.5	0.42	0.34	-4.20
8,588.0	2.67	124.99	8,240.7	-1,617.0	1,392.4	-1,621.8	1.06	-0.91	-10.17
8,683.0	2.35	116.08	8,335.6	-1,619.1	1,396.0	-1,623.9	0.53	-0.34	-9.38
8,778.0	1.56	97.70	8,430.5	-1,620.1	1,399.0	-1,625.0	1.05	-0.83	-19.35
8,873.0	1.19	99.64	8,525.5	-1,620.4	1,401.3	-1,625.3	0.39	-0.39	2.04
8,968.0	0.98	90.13	8,620.5	-1,620.6	1,403.1	-1,625.5	0.29	-0.22	-10.01
9,063.0	0.82	52.51	8,715.5	-1,620.2	1,404.4	-1,625.1	0.63	-0.17	-39.60
9,158.0	0.72	11.13	8,810.5	-1,619.2	1,405.1	-1,624.1	0.58	-0.11	-43.56
9,253.0	0.86	329.06	8,905.4	-1,618.0	1,404.8	-1,622.9	0.61	0.15	-44.28
9,348.0	1.16	315.00	9,000.4	-1,616.7	1,403.8	-1,621.6	0.41	0.32	-14.80
9,443.0	2.26	320.38	9,095.4	-1,614.6	1,401.9	-1,619.5	1.17	1.16	5.66
9,538.0	2.45	319.84	9,190.3	-1,611.6	1,399.4	-1,616.5	0.20	0.20	-0.57

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Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well ((463)) Poker Lake Unit 20-8 BD - 165H
Company:	ROC	TVD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Project:	PLU 20-8, 20-17, 18-19, 18-30 BD - Eddy(NAD27 NME)	MD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Site:	(HP 463) - PLU 20-8 Brushy Draw Pad D - Plans	North Reference:	Grid
Well:	((463)) Poker Lake Unit 20-8 BD - 165H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST03		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,633.0	1.81	339.95	9,285.2	-1,608.6	1,397.6	-1,613.5	1.03	-0.67	21.17
9,728.0	1.06	336.85	9,380.2	-1,606.4	1,396.7	-1,611.3	0.79	-0.79	-3.26
9,823.0	1.00	317.16	9,475.2	-1,605.0	1,395.8	-1,609.9	0.38	-0.06	-20.73
9,918.0	0.92	306.62	9,570.2	-1,603.9	1,394.6	-1,608.8	0.20	-0.08	-11.09
10,014.0	0.98	286.44	9,666.2	-1,603.2	1,393.2	-1,608.1	0.35	0.06	-21.02
10,109.0	1.80	332.57	9,761.1	-1,601.7	1,391.8	-1,606.5	1.39	0.86	48.56
10,204.0	1.87	342.83	9,856.1	-1,598.9	1,390.6	-1,603.7	0.35	0.07	10.80
10,299.0	0.58	23.22	9,951.1	-1,597.0	1,390.3	-1,601.8	1.55	-1.36	42.52
10,394.0	2.09	132.95	10,046.1	-1,597.7	1,391.8	-1,602.6	2.47	1.59	115.51
10,489.0	1.67	135.44	10,141.0	-1,599.9	1,394.0	-1,604.7	0.45	-0.44	2.62
10,584.0	1.57	139.70	10,236.0	-1,601.9	1,395.9	-1,606.7	0.16	-0.11	4.48
10,679.0	1.57	139.71	10,330.9	-1,603.8	1,397.5	-1,608.7	0.00	0.00	0.01
10,774.0	1.41	146.56	10,425.9	-1,605.8	1,399.0	-1,610.7	0.25	-0.17	7.21
10,869.0	1.58	152.50	10,520.9	-1,607.9	1,400.3	-1,612.8	0.24	0.18	6.25
10,965.0	1.67	152.46	10,616.8	-1,610.4	1,401.5	-1,615.2	0.09	0.09	-0.04
11,060.0	1.76	155.35	10,711.8	-1,612.9	1,402.8	-1,617.8	0.13	0.09	3.04
11,098.0	1.77	154.41	10,749.8	-1,614.0	1,403.3	-1,618.9	0.08	0.03	-2.47
11,192.0	1.95	157.86	10,843.7	-1,616.8	1,404.5	-1,621.7	0.23	0.19	3.67
11,287.0	1.80	156.53	10,938.7	-1,619.6	1,405.7	-1,624.5	0.16	-0.16	-1.40
11,383.0	6.65	333.09	11,034.5	-1,616.0	1,403.8	-1,620.9	8.80	5.05	183.92
11,478.0	19.69	336.36	11,126.8	-1,596.4	1,394.8	-1,601.3	13.74	13.73	3.44
11,573.0	21.95	337.43	11,215.6	-1,565.3	1,381.6	-1,570.1	2.41	2.38	1.13
11,668.0	29.66	340.90	11,301.1	-1,526.7	1,367.1	-1,531.4	8.27	8.12	3.65
11,763.0	36.71	348.71	11,380.5	-1,476.5	1,353.8	-1,481.2	8.67	7.42	8.22
11,858.0	48.81	348.87	11,450.2	-1,413.4	1,341.3	-1,418.0	12.74	12.74	0.17
11,953.0	61.81	349.14	11,504.1	-1,336.9	1,326.5	-1,341.5	13.69	13.68	0.28
12,049.0	71.32	351.78	11,542.3	-1,250.1	1,311.9	-1,254.7	10.22	9.91	2.75
12,144.0	76.28	354.54	11,568.8	-1,159.5	1,301.1	-1,164.1	5.92	5.22	2.91
12,166.0	80.90	354.67	11,573.1	-1,138.1	1,299.1	-1,142.6	21.01	21.00	0.59
12,200.0	84.36	354.90	11,577.5	-1,104.5	1,296.0	-1,109.0	10.20	10.18	0.68
12,250.0	89.45	355.24	11,580.2	-1,054.8	1,291.7	-1,059.3	10.20	10.18	0.67
12,265.0	88.55	355.24	11,580.4	-1,039.8	1,290.5	-1,044.3	6.00	-6.00	0.00
12,275.0	87.99	355.45	11,580.7	-1,029.9	1,289.7	-1,034.4	6.00	-5.64	2.05
12,285.0	87.53	355.83	11,581.1	-1,019.9	1,288.9	-1,024.4	6.00	-4.60	3.86
12,300.0	87.48	356.73	11,581.8	-1,005.0	1,287.9	-1,009.4	6.00	-0.28	6.00
12,350.0	87.35	359.73	11,584.0	-955.0	1,286.4	-959.5	6.00	-0.27	6.00
12,400.0	87.22	2.73	11,586.4	-905.1	1,287.5	-909.6	6.00	-0.25	6.00
12,450.0	87.10	5.73	11,588.9	-855.3	1,291.2	-859.8	6.00	-0.24	6.00
12,496.1	87.00	8.50	11,591.2	-809.6	1,296.9	-814.2	6.00	-0.22	6.00
12,500.0	87.00	8.50	11,591.4	-805.8	1,297.4	-810.3	0.00	0.00	0.00
12,556.1	87.00	8.50	11,594.4	-750.4	1,305.7	-754.9	0.00	0.00	0.00
12,600.0	87.28	7.67	11,596.6	-707.0	1,311.9	-711.5	2.00	0.65	-1.89
12,700.0	87.93	5.77	11,600.7	-607.7	1,323.6	-612.4	2.00	0.65	-1.89
12,800.0	88.59	3.88	11,603.8	-508.1	1,332.0	-512.8	2.00	0.65	-1.89
12,900.0	89.24	1.99	11,605.7	-408.3	1,337.1	-413.0	2.00	0.65	-1.89
13,000.0	89.90	0.10	11,606.4	-308.3	1,338.9	-313.0	2.00	0.65	-1.89
13,016.0	90.00	359.80	11,606.4	-292.3	1,338.9	-297.0	2.00	0.65	-1.89
13,100.0	90.00	359.80	11,606.4	-208.3	1,338.6	-213.0	0.00	0.00	0.00
13,200.0	90.00	359.80	11,606.4	-108.3	1,338.3	-113.0	0.00	0.00	0.00
13,300.0	90.00	359.80	11,606.4	-8.3	1,337.9	-13.0	0.00	0.00	0.00
13,400.0	90.00	359.80	11,606.4	91.7	1,337.6	87.0	0.00	0.00	0.00
13,500.0	90.00	359.80	11,606.4	191.7	1,337.2	187.0	0.00	0.00	0.00

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Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well ((463)) Poker Lake Unit 20-8 BD - 165H
Company:	ROC	TVD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Project:	PLU 20-8, 20-17, 18-19, 18-30 BD - Eddy(NAD27 NME)	MD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Site:	(HP 463) - PLU 20-8 Brushy Draw Pad D - Plans	North Reference:	Grid
Well:	((463)) Poker Lake Unit 20-8 BD - 165H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST03		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.0	90.00	359.80	11,606.4	291.7	1,336.9	287.0	0.00	0.00	0.00
13,700.0	90.00	359.80	11,606.4	391.7	1,336.5	387.0	0.00	0.00	0.00
13,800.0	90.00	359.80	11,606.4	491.7	1,336.2	487.0	0.00	0.00	0.00
13,900.0	90.00	359.80	11,606.4	591.7	1,335.8	587.0	0.00	0.00	0.00
14,000.0	90.00	359.80	11,606.4	691.7	1,335.5	687.0	0.00	0.00	0.00
14,100.0	90.00	359.80	11,606.4	791.7	1,335.2	787.0	0.00	0.00	0.00
14,200.0	90.00	359.80	11,606.4	891.7	1,334.8	887.0	0.00	0.00	0.00
14,300.0	90.00	359.80	11,606.4	991.7	1,334.5	987.0	0.00	0.00	0.00
14,400.0	90.00	359.80	11,606.4	1,091.7	1,334.1	1,087.0	0.00	0.00	0.00
14,500.0	90.00	359.80	11,606.4	1,191.7	1,333.8	1,187.0	0.00	0.00	0.00
14,600.0	90.00	359.80	11,606.4	1,291.7	1,333.4	1,287.0	0.00	0.00	0.00
14,700.0	90.00	359.80	11,606.4	1,391.7	1,333.1	1,387.0	0.00	0.00	0.00
14,800.0	90.00	359.80	11,606.4	1,491.7	1,332.7	1,487.0	0.00	0.00	0.00
14,900.0	90.00	359.80	11,606.4	1,591.7	1,332.4	1,587.0	0.00	0.00	0.00
15,000.0	90.00	359.80	11,606.4	1,691.7	1,332.0	1,687.0	0.00	0.00	0.00
15,100.0	90.00	359.80	11,606.4	1,791.7	1,331.7	1,787.0	0.00	0.00	0.00
15,200.0	90.00	359.80	11,606.4	1,891.7	1,331.3	1,887.0	0.00	0.00	0.00
15,300.0	90.00	359.80	11,606.4	1,991.7	1,331.0	1,987.0	0.00	0.00	0.00
15,400.0	90.00	359.80	11,606.4	2,091.7	1,330.6	2,087.0	0.00	0.00	0.00
15,500.0	90.00	359.80	11,606.4	2,191.7	1,330.3	2,187.0	0.00	0.00	0.00
15,600.0	90.00	359.80	11,606.4	2,291.7	1,329.9	2,287.0	0.00	0.00	0.00
15,700.0	90.00	359.80	11,606.4	2,391.7	1,329.6	2,387.0	0.00	0.00	0.00
15,800.0	90.00	359.80	11,606.4	2,491.7	1,329.2	2,487.0	0.00	0.00	0.00
15,900.0	90.00	359.80	11,606.4	2,591.7	1,328.9	2,587.0	0.00	0.00	0.00
16,000.0	90.00	359.80	11,606.4	2,691.7	1,328.5	2,687.0	0.00	0.00	0.00
16,100.0	90.00	359.80	11,606.4	2,791.7	1,328.2	2,787.0	0.00	0.00	0.00
16,200.0	90.00	359.80	11,606.4	2,891.7	1,327.8	2,887.0	0.00	0.00	0.00
16,300.0	90.00	359.80	11,606.4	2,991.7	1,327.5	2,987.0	0.00	0.00	0.00
16,400.0	90.00	359.80	11,606.4	3,091.7	1,327.1	3,087.0	0.00	0.00	0.00
16,500.0	90.00	359.80	11,606.4	3,191.7	1,326.8	3,187.0	0.00	0.00	0.00
16,600.0	90.00	359.80	11,606.4	3,291.7	1,326.4	3,287.0	0.00	0.00	0.00
16,700.0	90.00	359.80	11,606.4	3,391.7	1,326.1	3,387.0	0.00	0.00	0.00
16,800.0	90.00	359.80	11,606.4	3,491.7	1,325.7	3,487.0	0.00	0.00	0.00
16,900.0	90.00	359.80	11,606.4	3,591.7	1,325.4	3,587.0	0.00	0.00	0.00
17,000.0	90.00	359.80	11,606.4	3,691.6	1,325.0	3,687.0	0.00	0.00	0.00
17,100.0	90.00	359.80	11,606.4	3,791.6	1,324.7	3,787.0	0.00	0.00	0.00
17,200.0	90.00	359.80	11,606.4	3,891.6	1,324.3	3,887.0	0.00	0.00	0.00
17,300.0	90.00	359.80	11,606.4	3,991.6	1,324.0	3,987.0	0.00	0.00	0.00
17,400.0	90.00	359.80	11,606.4	4,091.6	1,323.6	4,087.0	0.00	0.00	0.00
17,500.0	90.00	359.80	11,606.4	4,191.6	1,323.3	4,187.0	0.00	0.00	0.00
17,600.0	90.00	359.80	11,606.4	4,291.6	1,322.9	4,287.0	0.00	0.00	0.00
17,700.0	90.00	359.80	11,606.4	4,391.6	1,322.6	4,387.0	0.00	0.00	0.00
17,800.0	90.00	359.80	11,606.4	4,491.6	1,322.2	4,487.0	0.00	0.00	0.00
17,900.0	90.00	359.80	11,606.4	4,591.6	1,321.9	4,587.0	0.00	0.00	0.00
18,000.0	90.00	359.80	11,606.4	4,691.6	1,321.5	4,687.0	0.00	0.00	0.00
18,100.0	90.00	359.80	11,606.4	4,791.6	1,321.2	4,787.0	0.00	0.00	0.00
18,200.0	90.00	359.80	11,606.4	4,891.6	1,320.8	4,887.0	0.00	0.00	0.00
18,300.0	90.00	359.80	11,606.4	4,991.6	1,320.5	4,987.0	0.00	0.00	0.00
18,400.0	90.00	359.80	11,606.4	5,091.6	1,320.1	5,087.0	0.00	0.00	0.00
18,500.0	90.00	359.80	11,606.4	5,191.6	1,319.8	5,187.0	0.00	0.00	0.00
18,600.0	90.00	359.80	11,606.4	5,291.6	1,319.4	5,287.0	0.00	0.00	0.00
18,700.0	90.00	359.80	11,606.4	5,391.6	1,319.1	5,387.0	0.00	0.00	0.00

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Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well ((463)) Poker Lake Unit 20-8 BD - 165H
Company:	ROC	TVD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Project:	PLU 20-8, 20-17, 18-19, 18-30 BD - Eddy(NAD27 NME)	MD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Site:	(HP 463) - PLU 20-8 Brushy Draw Pad D - Plans	North Reference:	Grid
Well:	((463)) Poker Lake Unit 20-8 BD - 165H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST03		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,800.0	90.00	359.80	11,606.4	5,491.6	1,318.7	5,487.0	0.00	0.00	0.00
18,900.0	90.00	359.80	11,606.4	5,591.6	1,318.4	5,587.0	0.00	0.00	0.00
19,000.0	90.00	359.80	11,606.4	5,691.6	1,318.0	5,687.0	0.00	0.00	0.00
19,100.0	90.00	359.80	11,606.4	5,791.6	1,317.7	5,787.0	0.00	0.00	0.00
19,200.0	90.00	359.80	11,606.4	5,891.6	1,317.3	5,887.0	0.00	0.00	0.00
19,300.0	90.00	359.80	11,606.4	5,991.6	1,317.0	5,987.0	0.00	0.00	0.00
19,400.0	90.00	359.80	11,606.4	6,091.6	1,316.7	6,087.0	0.00	0.00	0.00
19,500.0	90.00	359.80	11,606.4	6,191.6	1,316.3	6,187.0	0.00	0.00	0.00
19,600.0	90.00	359.80	11,606.4	6,291.6	1,316.0	6,287.0	0.00	0.00	0.00
19,700.0	90.00	359.80	11,606.4	6,391.6	1,315.6	6,387.0	0.00	0.00	0.00
19,800.0	90.00	359.80	11,606.4	6,491.6	1,315.3	6,487.0	0.00	0.00	0.00
19,900.0	90.00	359.80	11,606.4	6,591.6	1,314.9	6,587.0	0.00	0.00	0.00
20,000.0	90.00	359.80	11,606.4	6,691.6	1,314.6	6,687.0	0.00	0.00	0.00
20,100.0	90.00	359.80	11,606.4	6,791.6	1,314.2	6,787.0	0.00	0.00	0.00
20,200.0	90.00	359.80	11,606.4	6,891.6	1,313.9	6,887.0	0.00	0.00	0.00
20,300.0	90.00	359.80	11,606.4	6,991.6	1,313.5	6,987.0	0.00	0.00	0.00
20,400.0	90.00	359.80	11,606.4	7,091.6	1,313.2	7,087.0	0.00	0.00	0.00
20,500.0	90.00	359.80	11,606.4	7,191.6	1,312.8	7,187.0	0.00	0.00	0.00
20,600.0	90.00	359.80	11,606.4	7,291.6	1,312.5	7,287.0	0.00	0.00	0.00
20,700.0	90.00	359.80	11,606.4	7,391.6	1,312.1	7,387.0	0.00	0.00	0.00
20,800.0	90.00	359.80	11,606.4	7,491.6	1,311.8	7,487.0	0.00	0.00	0.00
20,900.0	90.00	359.80	11,606.4	7,591.6	1,311.4	7,587.0	0.00	0.00	0.00
21,000.0	90.00	359.80	11,606.4	7,691.6	1,311.1	7,687.0	0.00	0.00	0.00
21,100.0	90.00	359.80	11,606.4	7,791.6	1,310.7	7,787.0	0.00	0.00	0.00
21,200.0	90.00	359.80	11,606.4	7,891.6	1,310.4	7,887.0	0.00	0.00	0.00
21,300.0	90.00	359.80	11,606.4	7,991.6	1,310.0	7,987.0	0.00	0.00	0.00
21,400.0	90.00	359.80	11,606.4	8,091.6	1,309.7	8,087.0	0.00	0.00	0.00
21,500.0	90.00	359.80	11,606.4	8,191.6	1,309.3	8,187.0	0.00	0.00	0.00
21,600.0	90.00	359.80	11,606.4	8,291.6	1,309.0	8,287.0	0.00	0.00	0.00
21,700.0	90.00	359.80	11,606.4	8,391.6	1,308.6	8,387.0	0.00	0.00	0.00
21,800.0	90.00	359.80	11,606.4	8,491.6	1,308.3	8,487.0	0.00	0.00	0.00
21,900.0	90.00	359.80	11,606.4	8,591.6	1,307.9	8,587.0	0.00	0.00	0.00
22,000.0	90.00	359.80	11,606.4	8,691.6	1,307.6	8,687.0	0.00	0.00	0.00
22,100.0	90.00	359.80	11,606.4	8,791.6	1,307.2	8,787.0	0.00	0.00	0.00
22,200.0	90.00	359.80	11,606.4	8,891.6	1,306.9	8,887.0	0.00	0.00	0.00
22,300.0	90.00	359.80	11,606.4	8,991.6	1,306.5	8,987.0	0.00	0.00	0.00
22,400.0	90.00	359.80	11,606.4	9,091.6	1,306.2	9,087.0	0.00	0.00	0.00
22,500.0	90.00	359.80	11,606.4	9,191.6	1,305.8	9,187.0	0.00	0.00	0.00
22,600.0	90.00	359.80	11,606.4	9,291.6	1,305.5	9,287.0	0.00	0.00	0.00
22,700.0	90.00	359.80	11,606.4	9,391.6	1,305.1	9,387.0	0.00	0.00	0.00
22,800.0	90.00	359.80	11,606.4	9,491.6	1,304.8	9,487.0	0.00	0.00	0.00
22,900.0	90.00	359.80	11,606.4	9,591.6	1,304.4	9,587.0	0.00	0.00	0.00
23,000.0	90.00	359.80	11,606.4	9,691.6	1,304.1	9,687.0	0.00	0.00	0.00
23,100.0	90.00	359.80	11,606.4	9,791.6	1,303.7	9,787.0	0.00	0.00	0.00
23,200.0	90.00	359.80	11,606.4	9,891.6	1,303.4	9,887.0	0.00	0.00	0.00
23,300.0	90.00	359.80	11,606.4	9,991.6	1,303.0	9,987.0	0.00	0.00	0.00
23,400.0	90.00	359.80	11,606.4	10,091.6	1,302.7	10,087.0	0.00	0.00	0.00
23,500.0	90.00	359.80	11,606.4	10,191.6	1,302.3	10,187.0	0.00	0.00	0.00
23,600.0	90.00	359.80	11,606.4	10,291.6	1,302.0	10,287.0	0.00	0.00	0.00
23,700.0	90.00	359.80	11,606.4	10,391.6	1,301.6	10,387.0	0.00	0.00	0.00
23,800.0	90.00	359.80	11,606.4	10,491.6	1,301.3	10,487.0	0.00	0.00	0.00
23,900.0	90.00	359.80	11,606.4	10,591.6	1,300.9	10,587.0	0.00	0.00	0.00

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Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well ((463)) Poker Lake Unit 20-8 BD - 165H
Company:	ROC	TVD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Project:	PLU 20-8, 20-17, 18-19, 18-30 BD - Eddy(NAD27 NME)	MD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Site:	(HP 463) - PLU 20-8 Brushy Draw Pad D - Plans	North Reference:	Grid
Well:	((463)) Poker Lake Unit 20-8 BD - 165H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST03		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
24,000.0	90.00	359.80	11,606.4	10,691.6	1,300.6	10,687.0	0.00	0.00	0.00
24,100.0	90.00	359.80	11,606.4	10,791.6	1,300.2	10,787.0	0.00	0.00	0.00
24,200.0	90.00	359.80	11,606.4	10,891.6	1,299.9	10,887.0	0.00	0.00	0.00
24,300.0	90.00	359.80	11,606.4	10,991.6	1,299.5	10,987.0	0.00	0.00	0.00
24,400.0	90.00	359.80	11,606.4	11,091.6	1,299.2	11,087.0	0.00	0.00	0.00
24,500.0	90.00	359.80	11,606.4	11,191.6	1,298.8	11,187.0	0.00	0.00	0.00
24,600.0	90.00	359.80	11,606.4	11,291.6	1,298.5	11,287.0	0.00	0.00	0.00
24,700.0	90.00	359.80	11,606.4	11,391.6	1,298.2	11,387.0	0.00	0.00	0.00
24,800.0	90.00	359.80	11,606.4	11,491.6	1,297.8	11,487.0	0.00	0.00	0.00
24,900.0	90.00	359.80	11,606.4	11,591.6	1,297.5	11,587.0	0.00	0.00	0.00
25,000.0	90.00	359.80	11,606.4	11,691.6	1,297.1	11,687.0	0.00	0.00	0.00
25,100.0	90.00	359.80	11,606.4	11,791.6	1,296.8	11,787.0	0.00	0.00	0.00
25,200.0	90.00	359.80	11,606.4	11,891.6	1,296.4	11,887.0	0.00	0.00	0.00
25,300.0	90.00	359.80	11,606.4	11,991.6	1,296.1	11,987.0	0.00	0.00	0.00
25,400.0	90.00	359.80	11,606.4	12,091.6	1,295.7	12,087.0	0.00	0.00	0.00
25,500.0	90.00	359.80	11,606.4	12,191.6	1,295.4	12,187.0	0.00	0.00	0.00
25,600.0	90.00	359.80	11,606.4	12,291.6	1,295.0	12,287.0	0.00	0.00	0.00
25,700.0	90.00	359.80	11,606.4	12,391.6	1,294.7	12,387.0	0.00	0.00	0.00
25,800.0	90.00	359.80	11,606.4	12,491.6	1,294.3	12,487.0	0.00	0.00	0.00
25,900.0	90.00	359.80	11,606.4	12,591.6	1,294.0	12,587.0	0.00	0.00	0.00
26,000.0	90.00	359.80	11,606.4	12,691.6	1,293.6	12,687.0	0.00	0.00	0.00
26,100.0	90.00	359.80	11,606.4	12,791.6	1,293.3	12,787.0	0.00	0.00	0.00
26,200.0	90.00	359.80	11,606.4	12,891.6	1,292.9	12,887.0	0.00	0.00	0.00
26,300.0	90.00	359.80	11,606.4	12,991.6	1,292.6	12,987.0	0.00	0.00	0.00
26,400.0	90.00	359.80	11,606.4	13,091.6	1,292.2	13,087.0	0.00	0.00	0.00
26,500.0	90.00	359.80	11,606.4	13,191.6	1,291.9	13,187.0	0.00	0.00	0.00
26,600.0	90.00	359.80	11,606.4	13,291.6	1,291.5	13,287.0	0.00	0.00	0.00
26,700.0	90.00	359.80	11,606.4	13,391.6	1,291.2	13,387.0	0.00	0.00	0.00
26,800.0	90.00	359.80	11,606.4	13,491.6	1,290.8	13,487.0	0.00	0.00	0.00
26,900.0	90.00	359.80	11,606.4	13,591.6	1,290.5	13,587.0	0.00	0.00	0.00
27,000.0	90.00	359.80	11,606.4	13,691.6	1,290.1	13,687.0	0.00	0.00	0.00
27,100.0	90.00	359.80	11,606.4	13,791.6	1,289.8	13,787.0	0.00	0.00	0.00
27,200.0	90.00	359.80	11,606.4	13,891.6	1,289.4	13,887.0	0.00	0.00	0.00
27,300.0	90.00	359.80	11,606.4	13,991.6	1,289.1	13,987.0	0.00	0.00	0.00
27,400.0	90.00	359.80	11,606.4	14,091.6	1,288.7	14,087.0	0.00	0.00	0.00
27,474.4	90.00	359.80	11,606.4	14,166.0	1,288.5	14,161.4	0.00	0.00	0.00
PLU 20-8 BD 165H LTP									
27,480.8	90.00	359.80	11,606.4	14,172.4	1,288.4	14,167.8	0.00	0.00	0.00
LTP PLU 20-8 BD 165H ST03 Pin 1									
27,500.0	90.00	359.80	11,606.4	14,191.6	1,288.4	14,187.0	0.00	0.00	0.00
27,524.4	90.00	359.80	11,606.4	14,216.0	1,288.3	14,211.4	0.00	0.00	0.00
PBHL PLU 20-8 BD 165H ST03 Pin 1 - PLU 20-8 BD 165H BHL									

ExxonMobil

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well ((463)) Poker Lake Unit 20-8 BD - 165H
Company:	ROC	TVD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Project:	PLU 20-8, 20-17, 18-19, 18-30 BD - Eddy(NAD27 NME)	MD Reference:	RKB 25.5 @ 3224.5usft (HP463)
Site:	(HP 463) - PLU 20-8 Brushy Draw Pad D - Plans	North Reference:	Grid
Well:	((463)) Poker Lake Unit 20-8 BD - 165H	Survey Calculation Method:	Minimum Curvature
Wellbore:	ST03		
Design:	Plan 1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PBHL PLU 20-8 BD 165	0.00	0.00	11,606.4	14,216.0	1,288.3	419,288.77	635,700.40	32° 9' 7.135 N	103° 53' 41.495 W
- plan hits target center									
- Point									
LTP PLU 20-8 BD 165H	0.00	0.00	11,606.4	14,172.4	1,288.4	419,245.20	635,700.55	32° 9' 6.704 N	103° 53' 41.495 W
- plan hits target center									
- Point									

Poker Lake Unit 20-8 BD Fed 165H Sidetrack 3**High-Level Summary**

While drilling on bottom in the 6.75" production sidetrack #2 lateral, a twist off of the drill string was observed. The top of fish was found to be at 12,600' MD. Multiple fishing attempts were made by XTO over the course of a week to retrieve the fish all unsuccessful. XTO proposes to perform an open hole sidetrack at 12,300' MD at the base of the curve and re-drill the production lateral to TD at 27,524' MD.

Attachments:

Current WBD

Proposed WBD

Directional Plan (ST03 Plan 1)

Current Status: XTO has set 7-5/8" intermediate casing with cement to surface at 11,160' MD that has been successfully pressure tested to 2,430 psi and a shoe FIT of 14.0ppge. 6.75" production original hole is drilled to 22,993' MD. 6.75" lateral sidetrack 1 is drilled to 23,649' MD. 6.75" lateral sidetrack 2 is drilled to 26,511' MD. Top of fish at 12,600' MD.

Requested Proposal: XTO proposes to sidetrack in the openhole to redrill the 6.75" production lateral from 12,300' MD to well TD at 27,524' MD.

Proposed Procedure:

1. RIH with 6.75" production sidetrack BHA.
 - a. Orient sidetrack BHA and begin time drilling.
 - b. Confirm positive sidetrack with new surveys and ensure ability to re-enter sidetrack.
2. POOH with sidetrack BHA for lateral BHA.
3. Drilled to planned well TD of 27,524' MD.

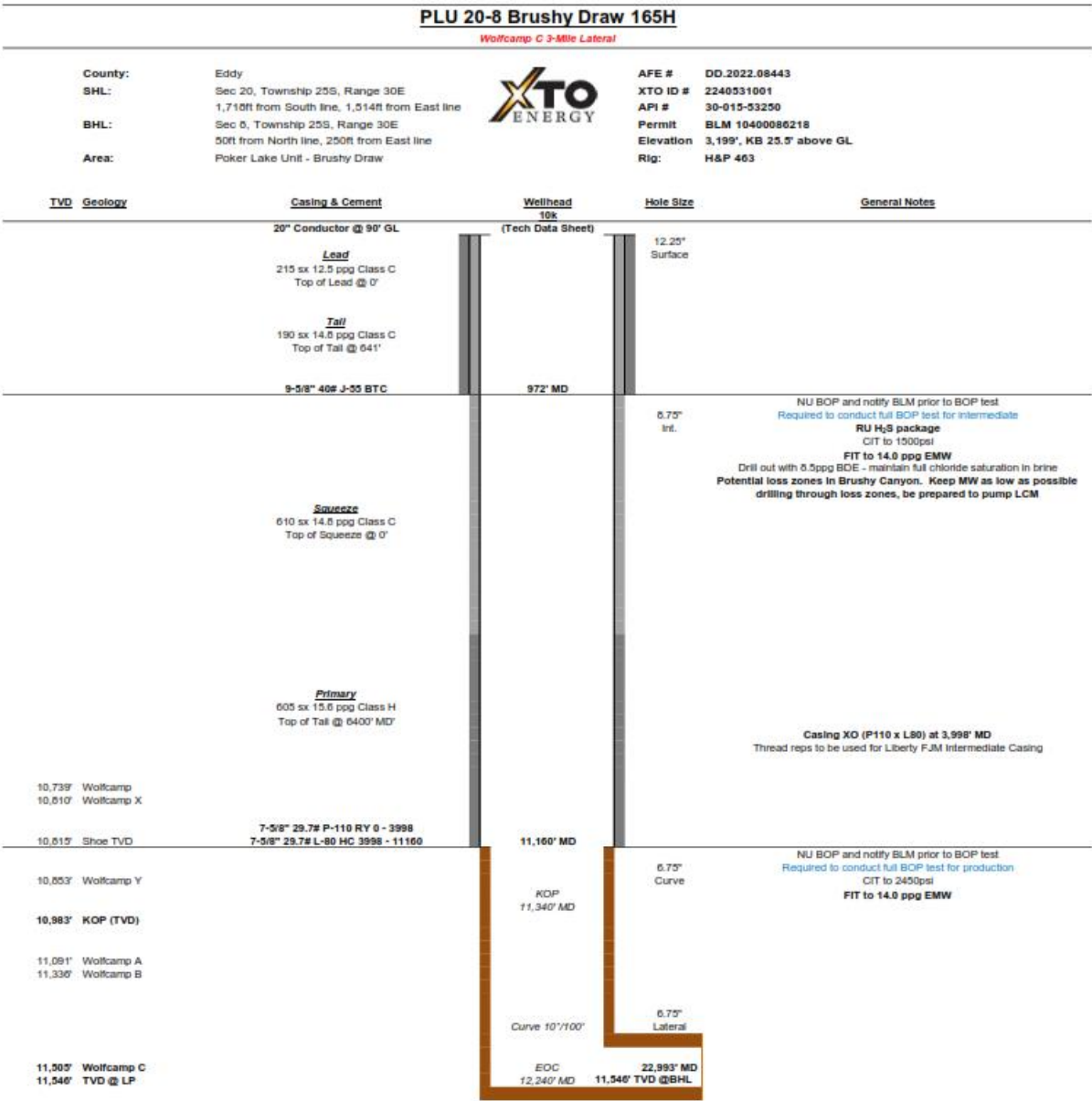
Current Well Information:

1. Surface: 12.25" hole at 990' MD, 9-5/8" casing at 972' MD. Cemented with Lead: 215sks 12.5 ppg Class C cement (2.08 yield); Tail: 190sks 14.8 ppg Class C cement (1.33 yield). Circulated to surface. 70 bbls returned to surface.
2. Intermediate: 8.75" hole @ 11,180' MD, 7-5/8" casing at 11,160' MD. Cemented with Lead: 510sks 15.6ppg Class H cement (1.23 yield); Tail/Squeeze: 855sks 14.8ppg Class C cement (1.51 yield). Observed cement back to surface.
3. Production: 6.75" original hole at 22,993' MD. 6.75" sidetrack hole #1 at 23,649' MD. 6.75" sidetrack hole #2 at 26,511' MD. Top of fish at 12,600' MD.

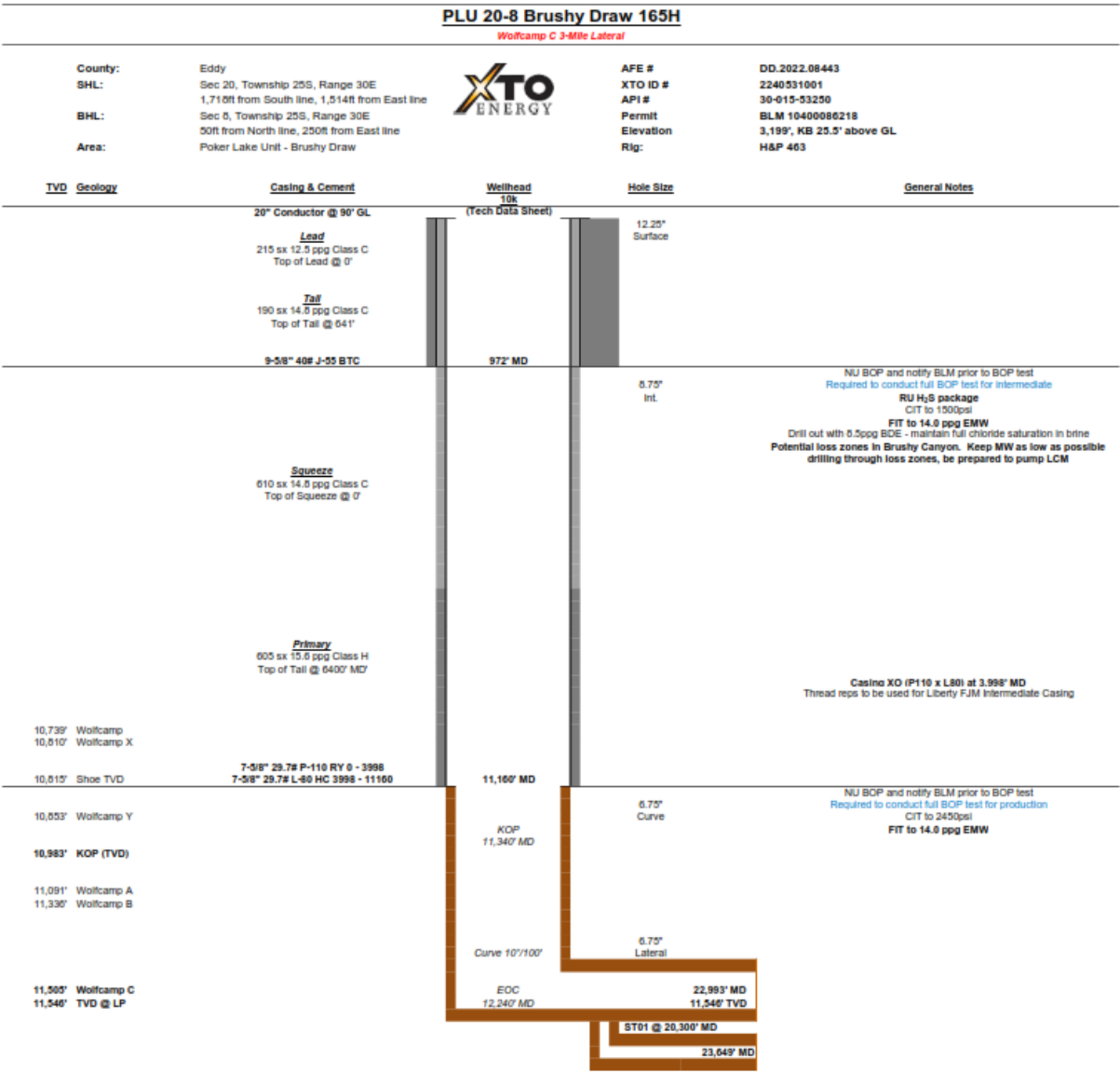
Formation Tops:

<u>Formation</u>	<u>PROG TVD</u>	<u>TVD</u>	<u>MD</u>
SALT_Base	3476	3520	3627
DLWR	3676	3699	3815
CRCN	4605	4620	4807
BYCN	6138	6212	6502
BSPG	7489	7482	7824
BSPG_LM	7499	7536	7879
AVLN	7650	7671	8016
AVLNL	8059	8082	8429
BSPG1_LM	8226	8245	8592
BSPG1	8428	8435	8783
BSPG2_LM	8800	8890	9238
BSPG2	9338	9257	9605
BSPG3_LM	9568	9603	9951
BSPG3_SH	9981	9968	10315
BSPG3	10403	10389	10737
WFMP	10739	10786	11134
WFMP_X	10766	10810	11158
WFMP_A	10878	11091	11279
WFMP_B	11308	11336	11709
WFMP_C	11481	11505	11954

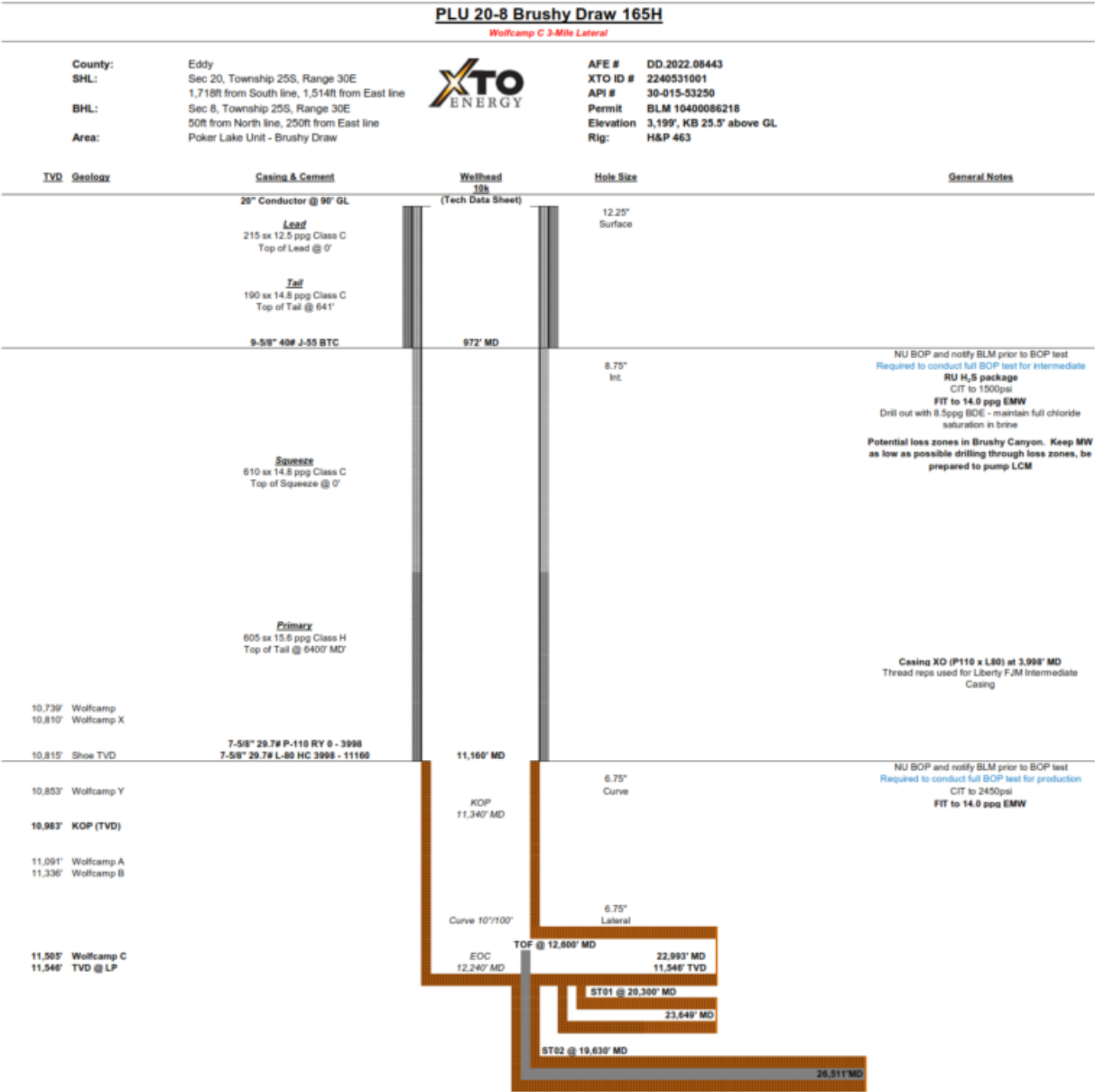
Wellbore Diagram Original Hole as Drilled



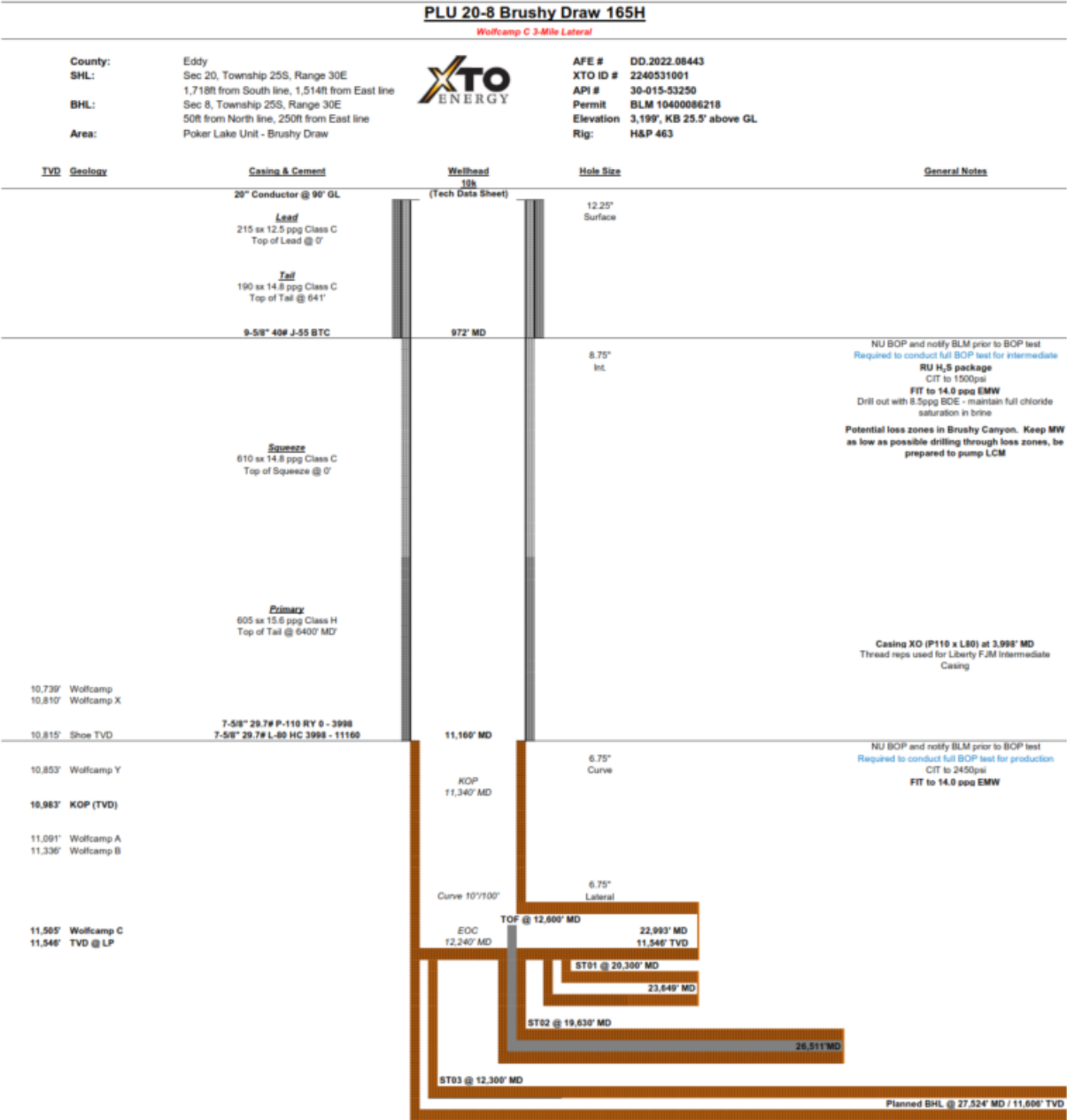
Wellbore Diagram ST01 as Drilled



Wellbore Diagram ST02 as Drilled



Proposed Wellbore Diagram ST03



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

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

CONDITIONS

Action 323970

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 323970
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	This work requested in the C-103 NOI was performed and completed without NMOCD approval. This action is currently under review from our legal department.	8/2/2024