

1625 N. French Dr., Hobbs, NM 88240

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

¹ Operator name and Address XTO Energy, Inc. 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707		² OGRID Number 373075
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-45477	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 325597	⁸ Property Name POKER LAKE UNIT 21 BD	⁹ Well Number 901H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	21	25S	30E		452	South	858	West	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	25S	30E		182	South	308	West	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	Plains Marketing	O
373073	XTO Permian Midstream	G/W

IV. Well Completion Data

²¹ Spud Date 1/29/2020	²² Ready Date 6/17/2022	^{21658 MD} ²³ TD 11255 TVD	^{21636 MB} ²⁴ BBTB 11255 TVD	²⁵ Perforations 11,560 TO 21,487	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14.75	11.75 J55 54#	1,060	961		
10.625	8.625 L80 32#	10,509	2,297		
7.875	5.5 P110 23#	21,638	2,472		
	2 7/8 L80 6.5#	10,581			

V. Well Test Data

³¹ Date New Oil 6/18/22	³² Gas Delivery Date 6/26/22	³³ Test Date 6/26/22	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 580	³⁶ Csg. Pressure 665
³⁷ Choke Size	³⁸ Oil 3656	³⁹ Water 11191	⁴⁰ Gas 11887		⁴¹ Test Method Flowing

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Amanda Thames

Printed name:

Amanda Thames

Title:

Regulatory Analyst

E-mail Address:

amanda.thames@exxonmobil.com

Date:

7/11/2022

Phone:

432.221.7340

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

District I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

AS-DRILLED PLAT

¹ API Number 30-015-45477	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 325597	⁵ Property Name POKER LAKE UNIT 21 BD	⁶ Well Number 901H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,218'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	25 S	30 E		452	SOUTH	858	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	25 S	30 E		182	SOUTH	308	WEST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division. NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY.

	SHL (NAD83 NME) Y = 403,891.0 X = 677,972.3 LAT. = 32.109607 "N LONG. = 103.892035 "W KOP (NAD83 NME) Y = 403,614.0 X = 677,283.8 LAT. = 32.108853 "N LONG. = 103.894262 "W FTP (NAD83 NME) Y = 403,062.2 X = 677,397.9 LAT. = 32.107335 "N LONG. = 103.893901 "W CORNER COORDINATES (NAD83 NME) A - Y = 403,430.7 N , X = 677,115.2 E B - Y = 403,444.0 N , X = 678,453.1 E C - Y = 400,771.0 N , X = 677,133.6 E D - Y = 400,781.6 N , X = 678,471.1 E E - Y = 398,110.2 N , X = 677,161.3 E F - Y = 398,124.7 N , X = 678,493.7 E G - Y = 395,449.3 N , X = 677,143.4 E H - Y = 395,459.4 N , X = 678,477.1 E I - Y = 392,787.6 N , X = 677,134.3 E J - Y = 392,797.5 N , X = 678,464.8 E SHL (NAD27 NME) Y = 403,832.9 X = 636,787.3 LAT. = 32.109482 "N LONG. = 103.891553 "W KOP (NAD27 NME) Y = 403,555.7 X = 636,098.8 LAT. = 32.108728 "N LONG. = 103.893780 "W FTP (NAD27 NME) Y = 403,003.9 X = 636,212.9 LAT. = 32.107210 "N LONG. = 103.893419 "W CORNER COORDINATES (NAD27 NME) A - Y = 403,372.6 N , X = 635,930.2 E B - Y = 403,385.9 N , X = 637,268.1 E C - Y = 400,713.0 N , X = 635,948.5 E D - Y = 400,723.6 N , X = 637,286.0 E E - Y = 398,052.2 N , X = 635,976.1 E F - Y = 398,066.8 N , X = 637,308.5 E G - Y = 395,391.4 N , X = 635,958.1 E H - Y = 395,401.5 N , X = 637,291.8 E I - Y = 392,729.8 N , X = 635,948.9 E J - Y = 392,739.7 N , X = 637,279.4 E LTP (NAD83 NME) Y = 393,142.4 X = 677,449.8 LAT. = 32.080066 "N LONG. = 103.893864 "W BHL (NAD83 NME) Y = 392,971.6 X = 677,442.6 LAT. = 32.079596 "N LONG. = 103.893889 "W LTP (NAD27 NME) Y = 393,084.4 X = 636,264.5 LAT. = 32.079941 "N LONG. = 103.893383 "W BHL (NAD27 NME) Y = 392,913.8 X = 636,257.2 LAT. = 32.079472 "N LONG. = 103.893408 "W	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Amanda Thames</u> 7/11/2022 Signature Date <u>Amanda Thames</u> Printed Name <u>amanda.thames@exxonmobil.com</u> E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 06-24-2022 Date of Survey Signature and Seal of Professional Surveyor:  MARK DILLON HARP 23786 Certificate Number LS 2017071067
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Intent ☐ As Drilled ☒

API # 30-015-45477		
Operator Name: XTO PERMIAN OPERATING, LLC.	Property Name: POKER LAKE UNIT 21 BD	Well Number 901H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	21	25 S	30 E		182	FSL	169	FWL	EDDY
Latitude 32.108853					Longitude 103.894262				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	28	25 S	30 E		371	FNL	280	FWL	EDDY
Latitude 32.107335					Longitude 103.893901				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	33	25 S	30 E		352	FSL	314	FWL	EDDY
Latitude 32.080066					Longitude 103.893864				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-45699		
Operator Name: XTO Energy Inc.	Property Name: Poker Lake 21 BD	Well Number 701H

KZ 06/29/2018



5611 Baird Court
Houston, TX 77041

July 20, 2020

XTO Energy
Poker Lake Unit 21 BD 901H
Eddy, NM

I, Matt Simpson, certify: that I am employed by Premier Directional Drilling, LLC; that on the day(s) of February 1, 2020 – June 13, 2020 I conducted and/or supervised the taking of MWD surveys for the Poker Lake Unit 21 BD 901H (API# 30-015-45477) from a depth of 174.00 feet to a depth of 21,658.00 feet; that the data is true, correct, complete, and within the limitations of the tool as set forth by Premier Directional Drilling, LLC; that I am authorized and qualified to make this report; that this survey was conducted accordingly at the request of XTO Energy; that I reviewed this report and find it conforms to the principles and procedures as set forth by Premier Directional Drilling, LLC.

Matt Simpson

Matt Simpson
MWD Coordinator
Premier Directional Drilling, LLC

**TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.**



**Poker Late Unit 21 BD 901H
Eddy County, New Mexico**

**Prepared for
Parker Hewitt**



Section One

Direction Comparison Plot

Actual vs. Proposed

XTO ENERGY, INC.

Eddy County, NM

Poker Lake Unit 21 BD

#901H

OH

Design: OH

Standard Survey Report

10 July, 2020

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well #901H
Project:	Eddy County, NM	TVD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Site:	Poker Lake Unit 21 BD	MD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Well:	#901H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Multi User DB2

Project	Eddy County, NM		
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		Poker Lake Unit 21 BD, Centered on the 102H			
Site Position:		Northing:	403,833.80 usft	Latitude:	32.109484
From:	Map	Easting:	636,877.20 usft	Longitude:	-103.891263
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.24 °

Well	#901H					
Well Position	+N/-S	0.00 usft	Northing:	403,832.90 usft	Latitude:	32.109482
	+E/-W	0.00 usft	Easting:	636,787.30 usft	Longitude:	-103.891553
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,218.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	06/18/20	6.67	59.70	47,720

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.90	

Survey Program	Date	07/10/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
174.00	21,598.00	Survey #1 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
21,658.00	21,658.00	Survey #2 (OH)	Projection	Projection to Bit	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
174.00	0.18	296.83	174.00	0.12	-0.24	-0.12	0.10	0.10	0.00	
267.00	0.26	288.31	267.00	0.26	-0.57	-0.26	0.09	0.09	-9.16	
359.00	0.35	158.76	359.00	0.06	-0.67	-0.06	0.60	0.10	-140.81	
453.00	0.40	165.70	453.00	-0.53	-0.49	0.53	0.07	0.05	7.38	
545.00	0.53	163.85	544.99	-1.25	-0.29	1.25	0.14	0.14	-2.01	
636.00	0.48	186.18	635.99	-2.03	-0.21	2.03	0.22	-0.05	24.54	
729.00	0.62	236.89	728.99	-2.69	-0.68	2.69	0.52	0.15	54.53	
822.00	0.44	285.14	821.98	-2.87	-1.44	2.87	0.50	-0.19	51.88	
917.00	0.79	301.75	916.98	-2.43	-2.35	2.43	0.41	0.37	17.48	

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well #901H
Project:	Eddy County, NM	TVD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Site:	Poker Lake Unit 21 BD	MD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Well:	#901H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Multi User DB2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
980.00	1.54	305.80	979.96	-1.71	-3.41	1.70	1.20	1.19	6.43
1,020.00	1.67	312.21	1,019.95	-1.00	-4.27	1.00	0.55	0.32	16.02
1,159.00	2.42	323.55	1,158.86	2.72	-7.52	-2.73	0.61	0.54	8.16
1,254.00	2.02	304.74	1,253.79	5.29	-10.09	-5.30	0.87	-0.42	-19.80
1,348.00	1.89	283.91	1,347.74	6.60	-12.95	-6.62	0.76	-0.14	-22.16
1,443.00	2.07	258.42	1,442.68	6.63	-16.15	-6.66	0.94	0.19	-26.83
1,538.00	2.77	217.91	1,537.60	4.48	-19.24	-4.51	1.89	0.74	-42.64
1,633.00	3.60	201.47	1,632.46	-0.11	-21.75	0.07	1.29	0.87	-17.31
1,728.00	3.82	218.87	1,727.26	-5.35	-24.82	5.30	1.20	0.23	18.32
1,823.00	4.31	234.08	1,822.02	-9.91	-29.70	9.85	1.24	0.52	16.01
1,918.00	4.66	232.67	1,916.73	-14.34	-35.66	14.28	0.39	0.37	-1.48
2,012.00	4.97	243.92	2,010.40	-18.45	-42.35	18.37	1.06	0.33	11.97
2,106.00	5.32	251.22	2,104.02	-21.64	-50.14	21.55	0.79	0.37	7.77
2,200.00	5.32	250.07	2,197.62	-24.53	-58.36	24.43	0.11	0.00	-1.22
2,295.00	5.27	247.53	2,292.21	-27.70	-66.53	27.58	0.25	-0.05	-2.67
2,390.00	5.54	245.50	2,386.79	-31.27	-74.74	31.13	0.35	0.28	-2.14
2,485.00	5.63	244.98	2,481.34	-35.14	-83.13	34.99	0.11	0.09	-0.55
2,581.00	5.36	246.38	2,576.90	-38.93	-91.51	38.77	0.31	-0.28	1.46
2,676.00	5.41	250.69	2,671.48	-42.18	-99.80	42.01	0.43	0.05	4.54
2,771.00	5.32	252.80	2,766.06	-44.97	-108.23	44.78	0.23	-0.09	2.22
2,865.00	5.45	255.52	2,859.65	-47.37	-116.72	47.17	0.30	0.14	2.89
2,960.00	5.93	258.78	2,954.18	-49.46	-125.90	49.24	0.61	0.51	3.43
3,054.00	6.46	260.89	3,047.63	-51.24	-135.88	51.00	0.61	0.56	2.24
3,149.00	7.34	260.01	3,141.94	-53.14	-147.14	52.88	0.93	0.93	-0.93
3,244.00	8.84	262.91	3,236.00	-55.09	-160.36	54.81	1.64	1.58	3.05
3,338.00	9.63	260.27	3,328.78	-57.31	-175.28	57.00	0.95	0.84	-2.81
3,432.00	9.32	255.44	3,421.50	-60.55	-190.39	60.22	0.91	-0.33	-5.14
3,527.00	9.45	249.37	3,515.23	-65.24	-205.14	64.88	1.05	0.14	-6.39
3,622.00	9.19	248.14	3,608.97	-70.81	-219.48	70.42	0.34	-0.27	-1.29
3,717.00	9.14	250.07	3,702.76	-76.20	-233.61	75.80	0.33	-0.05	2.03
3,811.00	9.05	249.90	3,795.58	-81.29	-247.57	80.86	0.10	-0.10	-0.18
3,906.00	9.67	249.11	3,889.31	-86.70	-262.04	86.24	0.67	0.65	-0.83
4,000.00	10.24	247.88	3,981.90	-92.66	-277.16	92.18	0.65	0.61	-1.31
4,094.00	10.95	248.84	4,074.30	-99.03	-293.23	98.52	0.78	0.76	1.02
4,189.00	11.52	249.11	4,167.47	-105.67	-310.50	105.13	0.60	0.60	0.28
4,283.00	12.18	248.49	4,259.47	-112.66	-328.50	112.08	0.72	0.70	-0.66
4,377.00	12.88	248.41	4,351.23	-120.15	-347.47	119.54	0.74	0.74	-0.09
4,471.00	13.63	248.41	4,442.73	-128.08	-367.51	127.44	0.80	0.80	0.00
4,567.00	14.37	249.46	4,535.87	-136.42	-389.18	135.74	0.81	0.77	1.09
4,661.00	11.30	249.90	4,627.51	-143.68	-408.76	142.96	3.27	-3.27	0.47
4,754.00	9.80	249.72	4,718.94	-149.55	-424.74	148.81	1.61	-1.61	-0.19
4,849.00	10.46	247.61	4,812.46	-155.64	-440.29	154.87	0.80	0.69	-2.22
4,944.00	9.67	249.90	4,906.00	-161.67	-455.76	160.87	0.93	-0.83	2.41

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well #901H
Project:	Eddy County, NM	TVD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Site:	Poker Lake Unit 21 BD	MD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Well:	#901H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Multi User DB2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,038.00	9.27	250.87	4,998.71	-166.86	-470.33	166.04	0.46	-0.43	1.03	
5,133.00	9.71	251.04	5,092.41	-171.97	-485.13	171.12	0.46	0.46	0.18	
5,228.00	9.80	250.95	5,186.04	-177.21	-500.35	176.34	0.10	0.09	-0.09	
5,323.00	9.80	252.01	5,279.65	-182.35	-515.68	181.45	0.19	0.00	1.12	
5,418.00	8.97	251.66	5,373.38	-187.18	-530.40	186.25	0.88	-0.87	-0.37	
5,513.00	8.26	249.46	5,467.31	-191.90	-543.83	190.95	0.82	-0.75	-2.32	
5,607.00	7.91	250.60	5,560.38	-196.42	-556.25	195.45	0.41	-0.37	1.21	
5,702.00	6.95	251.13	5,654.58	-200.45	-567.85	199.46	1.01	-1.01	0.56	
5,797.00	6.15	250.34	5,748.96	-204.02	-578.08	203.01	0.85	-0.84	-0.83	
5,891.00	5.41	249.46	5,842.48	-207.27	-586.98	206.24	0.79	-0.79	-0.94	
5,985.00	4.62	250.60	5,936.12	-210.08	-594.70	209.04	0.85	-0.84	1.21	
6,080.00	3.87	255.08	6,030.86	-212.18	-601.40	211.13	0.86	-0.79	4.72	
6,174.00	2.81	249.64	6,124.70	-213.80	-606.63	212.74	1.18	-1.13	-5.79	
6,269.00	2.46	245.33	6,219.59	-215.46	-610.66	214.39	0.42	-0.37	-4.54	
6,364.00	1.49	240.23	6,314.54	-216.92	-613.59	215.85	1.04	-1.02	-5.37	
6,459.00	0.97	242.69	6,409.52	-217.90	-615.38	216.83	0.55	-0.55	2.59	
6,553.00	1.14	235.49	6,503.50	-218.80	-616.85	217.72	0.23	0.18	-7.66	
6,647.00	1.49	226.61	6,597.47	-220.17	-618.51	219.09	0.43	0.37	-9.45	
6,741.00	1.36	223.53	6,691.45	-221.82	-620.17	220.73	0.16	-0.14	-3.28	
6,835.00	1.54	221.51	6,785.42	-223.57	-621.77	222.49	0.20	0.19	-2.15	
6,929.00	1.54	215.97	6,879.38	-225.54	-623.35	224.45	0.16	0.00	-5.89	
7,024.00	1.41	222.48	6,974.35	-227.43	-624.89	226.34	0.22	-0.14	6.85	
7,119.00	1.45	214.83	7,069.32	-229.28	-626.37	228.19	0.21	0.04	-8.05	
7,214.00	1.58	209.38	7,164.29	-231.41	-627.70	230.32	0.20	0.14	-5.74	
7,309.00	1.76	208.33	7,259.25	-233.84	-629.03	232.74	0.19	0.19	-1.11	
7,402.00	2.07	209.12	7,352.19	-236.56	-630.53	235.46	0.33	0.33	0.85	
7,497.00	0.57	210.35	7,447.17	-238.47	-631.60	237.36	1.58	-1.58	1.29	
7,592.00	0.53	63.04	7,542.17	-238.68	-631.45	237.57	1.11	-0.04	-155.06	
7,686.00	0.84	78.42	7,636.16	-238.34	-630.39	237.24	0.38	0.33	16.36	
7,780.00	1.41	80.45	7,730.14	-238.01	-628.57	236.91	0.61	0.61	2.16	
7,873.00	0.57	119.29	7,823.13	-238.05	-627.04	236.95	1.11	-0.90	41.76	
7,969.00	1.63	238.91	7,919.11	-238.99	-627.79	237.89	2.06	1.10	124.60	
8,064.00	3.78	249.55	8,014.00	-240.78	-631.88	239.67	2.31	2.26	11.20	
8,158.00	4.97	252.10	8,107.73	-243.11	-638.66	242.00	1.28	1.27	2.71	
8,252.00	4.31	262.64	8,201.42	-244.82	-646.04	243.69	1.14	-0.70	11.21	
8,347.00	2.95	270.55	8,296.23	-245.25	-652.02	244.11	1.52	-1.43	8.33	
8,442.00	2.68	268.88	8,391.11	-245.27	-656.69	244.12	0.30	-0.28	-1.76	
8,537.00	2.95	262.20	8,486.00	-245.65	-661.33	244.49	0.45	0.28	-7.03	
8,632.00	1.76	271.17	8,580.92	-245.95	-665.21	244.79	1.31	-1.25	9.44	
8,725.00	0.70	287.08	8,673.89	-245.75	-667.18	244.59	1.19	-1.14	17.11	
8,819.00	1.05	285.32	8,767.88	-245.35	-668.56	244.19	0.37	0.37	-1.87	
8,913.00	1.32	284.97	8,861.86	-244.85	-670.44	243.68	0.29	0.29	-0.37	
9,008.00	1.67	292.88	8,956.83	-244.03	-672.77	242.85	0.43	0.37	8.33	

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well #901H
Project:	Eddy County, NM	TVD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Site:	Poker Lake Unit 21 BD	MD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Well:	#901H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Multi User DB2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
9,102.00	2.07	285.41	9,050.78	-243.04	-675.67	241.86	0.50	0.43	-7.95	
9,196.00	1.54	260.53	9,144.74	-242.80	-678.55	241.62	0.99	-0.56	-26.47	
9,290.00	1.45	201.03	9,238.71	-244.12	-680.23	242.93	1.58	-0.10	-63.30	
9,384.00	1.80	197.08	9,332.67	-246.64	-681.09	245.45	0.39	0.37	-4.20	
9,478.00	1.89	196.81	9,426.62	-249.53	-681.97	248.34	0.10	0.10	-0.29	
9,573.00	2.15	196.81	9,521.56	-252.74	-682.94	251.55	0.27	0.27	0.00	
9,667.00	1.54	212.99	9,615.51	-255.49	-684.13	254.29	0.85	-0.65	17.21	
9,762.00	1.19	227.14	9,710.49	-257.23	-685.55	256.03	0.51	-0.37	14.89	
9,857.00	0.66	188.73	9,805.48	-258.44	-686.36	257.24	0.83	-0.56	-40.43	
9,950.00	1.14	180.82	9,898.46	-259.90	-686.45	258.70	0.53	0.52	-8.51	
10,045.00	1.63	174.75	9,993.44	-262.19	-686.34	260.99	0.54	0.52	-6.39	
10,140.00	1.32	178.18	10,088.40	-264.62	-686.18	263.43	0.34	-0.33	3.61	
10,233.00	1.05	180.38	10,181.38	-266.55	-686.16	265.35	0.29	-0.29	2.37	
10,328.00	1.14	190.66	10,276.37	-268.35	-686.34	267.15	0.23	0.09	10.82	
10,437.00	1.23	181.78	10,385.34	-270.58	-686.57	269.38	0.19	0.08	-8.15	
10,575.00	1.67	212.65	10,523.30	-273.76	-687.70	272.55	0.64	0.32	22.37	
10,670.00	3.93	186.10	10,618.19	-278.16	-688.80	276.96	2.68	2.38	-27.95	
10,764.00	17.06	178.33	10,710.41	-295.22	-688.74	294.02	14.02	13.97	-8.27	
10,858.00	24.02	173.55	10,798.39	-328.06	-686.18	326.86	7.61	7.40	-5.09	
10,952.00	29.36	168.49	10,882.35	-369.68	-679.43	368.50	6.17	5.68	-5.38	
11,046.00	36.16	165.97	10,961.36	-419.23	-668.10	418.06	7.38	7.23	-2.68	
11,141.00	41.95	163.23	11,035.11	-476.87	-652.12	475.74	6.36	6.09	-2.88	
11,234.00	50.74	165.68	11,099.25	-541.65	-634.21	540.55	9.64	9.45	2.63	
11,329.00	57.76	168.40	11,154.72	-616.75	-617.01	615.67	7.75	7.39	2.86	
11,424.00	69.38	166.79	11,196.94	-699.67	-598.71	698.63	12.32	12.23	-1.69	
11,519.00	76.86	169.92	11,224.51	-788.64	-580.43	787.63	8.48	7.87	3.29	
11,613.00	88.96	173.19	11,236.09	-880.73	-566.79	879.74	13.33	12.87	3.48	
11,708.00	87.06	172.79	11,239.39	-974.96	-555.20	973.99	2.04	-2.00	-0.42	
11,802.00	90.84	175.76	11,241.11	-1,068.45	-545.83	1,067.50	5.11	4.02	3.16	
11,896.00	90.78	174.21	11,239.79	-1,162.08	-537.62	1,161.14	1.65	-0.06	-1.65	
11,991.00	88.63	175.79	11,240.28	-1,256.71	-529.34	1,255.78	2.81	-2.26	1.66	
12,085.00	90.42	178.94	11,241.05	-1,350.59	-525.02	1,349.67	3.85	1.90	3.35	
12,180.00	89.97	179.82	11,240.73	-1,445.58	-523.99	1,444.67	1.04	-0.47	0.93	
12,275.00	89.86	178.89	11,240.87	-1,540.58	-522.92	1,539.66	0.99	-0.12	-0.98	
12,370.00	89.89	178.01	11,241.08	-1,635.54	-520.35	1,634.63	0.93	0.03	-0.93	
12,465.00	90.70	181.52	11,240.59	-1,730.52	-519.96	1,729.61	3.79	0.85	3.69	
12,560.00	90.92	181.10	11,239.25	-1,825.49	-522.13	1,824.57	0.50	0.23	-0.44	
12,654.00	90.90	181.02	11,237.75	-1,919.46	-523.87	1,918.54	0.09	-0.02	-0.09	
12,749.00	92.41	181.46	11,235.01	-2,014.39	-525.93	2,013.47	1.66	1.59	0.46	
12,844.00	88.21	177.94	11,234.50	-2,109.36	-525.43	2,108.44	5.77	-4.42	-3.71	
12,939.00	86.50	175.54	11,238.88	-2,204.09	-520.03	2,203.18	3.10	-1.80	-2.53	
13,033.00	87.37	178.19	11,243.91	-2,297.81	-514.90	2,296.90	2.96	0.93	2.82	
13,123.00	87.00	177.20	11,248.33	-2,387.62	-511.29	2,386.73	1.17	-0.41	-1.10	
13,218.00	88.74	178.82	11,251.86	-2,482.49	-507.99	2,481.60	2.50	1.83	1.71	

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well #901H
Project:	Eddy County, NM	TVD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Site:	Poker Lake Unit 21 BD	MD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Well:	#901H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Multi User DB2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,313.00	90.56	179.34	11,252.44	-2,577.48	-506.47	2,576.59	1.99	1.92	0.55
13,408.00	90.45	179.19	11,251.60	-2,672.46	-505.25	2,671.58	0.20	-0.12	-0.16
13,502.00	89.78	178.31	11,251.41	-2,766.44	-503.20	2,765.56	1.18	-0.71	-0.94
13,597.00	89.61	179.85	11,251.92	-2,861.42	-501.67	2,860.54	1.63	-0.18	1.62
13,691.00	91.06	181.68	11,251.37	-2,955.41	-502.93	2,954.52	2.48	1.54	1.95
13,786.00	91.09	181.99	11,249.59	-3,050.34	-505.97	3,049.45	0.33	0.03	0.33
13,881.00	91.40	182.18	11,247.52	-3,145.26	-509.42	3,144.36	0.38	0.33	0.20
13,976.00	91.09	181.93	11,245.46	-3,240.17	-512.83	3,239.27	0.42	-0.33	-0.26
14,070.00	90.08	181.20	11,244.50	-3,334.13	-515.40	3,333.23	1.33	-1.07	-0.78
14,165.00	89.41	180.75	11,244.92	-3,429.11	-517.01	3,428.21	0.85	-0.71	-0.47
14,258.00	89.08	180.81	11,246.15	-3,522.10	-518.28	3,521.19	0.36	-0.35	0.06
14,353.00	88.49	180.30	11,248.16	-3,617.07	-519.20	3,616.16	0.82	-0.62	-0.54
14,447.00	90.50	180.25	11,248.99	-3,711.06	-519.65	3,710.15	2.14	2.14	-0.05
14,541.00	90.67	179.90	11,248.03	-3,805.06	-519.77	3,804.14	0.41	0.18	-0.37
14,636.00	90.39	179.49	11,247.15	-3,900.05	-519.27	3,899.14	0.52	-0.29	-0.43
14,732.00	89.66	179.03	11,247.11	-3,996.04	-518.03	3,995.13	0.90	-0.76	-0.48
14,826.00	89.10	179.10	11,248.13	-4,090.02	-516.49	4,089.12	0.60	-0.60	0.07
14,921.00	88.68	178.89	11,249.97	-4,184.99	-514.83	4,184.09	0.49	-0.44	-0.22
15,016.00	89.52	179.15	11,251.46	-4,279.96	-513.20	4,279.06	0.93	0.88	0.27
15,112.00	90.14	179.28	11,251.74	-4,375.95	-511.89	4,375.05	0.66	0.65	0.14
15,206.00	89.52	179.25	11,252.02	-4,469.95	-510.68	4,469.05	0.66	-0.66	-0.03
15,301.00	91.09	180.88	11,251.52	-4,564.94	-510.79	4,564.04	2.38	1.65	1.72
15,396.00	90.50	180.64	11,250.20	-4,659.92	-512.05	4,659.02	0.67	-0.62	-0.25
15,491.00	90.62	180.70	11,249.27	-4,754.91	-513.16	4,754.01	0.14	0.13	0.06
15,586.00	89.97	180.62	11,248.78	-4,849.90	-514.25	4,849.00	0.69	-0.68	-0.08
15,681.00	89.33	180.69	11,249.36	-4,944.89	-515.34	4,943.99	0.68	-0.67	0.07
15,775.00	89.08	180.26	11,250.67	-5,038.88	-516.12	5,037.97	0.53	-0.27	-0.46
15,870.00	90.28	181.06	11,251.20	-5,133.87	-517.21	5,132.96	1.52	1.26	0.84
15,964.00	90.08	181.20	11,250.90	-5,227.85	-519.07	5,226.94	0.26	-0.21	0.15
16,059.00	89.64	181.04	11,251.13	-5,322.83	-520.92	5,321.92	0.49	-0.46	-0.17
16,153.00	90.03	182.17	11,251.40	-5,416.79	-523.56	5,415.87	1.27	0.41	1.20
16,247.00	90.39	181.46	11,251.06	-5,510.75	-526.53	5,509.82	0.85	0.38	-0.76
16,341.00	90.78	180.57	11,250.10	-5,604.72	-528.20	5,603.79	1.03	0.41	-0.95
16,436.00	90.59	177.93	11,248.96	-5,699.70	-526.96	5,698.77	2.79	-0.20	-2.78
16,531.00	90.56	177.17	11,248.01	-5,794.61	-522.90	5,793.69	0.80	-0.03	-0.80
16,625.00	89.92	177.27	11,247.62	-5,888.50	-518.34	5,887.58	0.69	-0.68	0.11
16,720.00	90.25	178.25	11,247.48	-5,983.42	-514.62	5,982.52	1.09	0.35	1.03
16,815.00	89.78	178.31	11,247.45	-6,078.38	-511.77	6,077.48	0.50	-0.49	0.06
16,910.00	90.11	178.39	11,247.54	-6,173.34	-509.04	6,172.44	0.36	0.35	0.08
17,004.00	90.50	179.05	11,247.04	-6,267.31	-506.94	6,266.42	0.82	0.41	0.70
17,098.00	90.00	178.82	11,246.63	-6,361.30	-505.19	6,360.41	0.59	-0.53	-0.24
17,193.00	87.79	177.45	11,248.46	-6,456.22	-502.10	6,455.33	2.74	-2.33	-1.44
17,287.00	90.11	179.09	11,250.19	-6,550.15	-499.26	6,549.27	3.02	2.47	1.74

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well #901H
Project:	Eddy County, NM	TVD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Site:	Poker Lake Unit 21 BD	MD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Well:	#901H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Multi User DB2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
17,382.00	89.61	178.54	11,250.42	-6,645.13	-497.30	6,644.25	0.78	-0.53	-0.58	
17,477.00	91.04	180.34	11,249.88	-6,740.12	-496.37	6,739.24	2.42	1.51	1.89	
17,571.00	92.27	181.92	11,247.16	-6,834.06	-498.22	6,833.18	2.13	1.31	1.68	
17,666.00	91.32	181.60	11,244.19	-6,928.96	-501.14	6,928.08	1.06	-1.00	-0.34	
17,760.00	90.48	181.14	11,242.71	-7,022.92	-503.38	7,022.04	1.02	-0.89	-0.49	
17,854.00	89.75	180.67	11,242.52	-7,116.91	-504.87	7,116.02	0.92	-0.78	-0.50	
17,949.00	89.89	181.79	11,242.82	-7,211.89	-506.91	7,210.99	1.19	0.15	1.18	
18,043.00	89.72	182.20	11,243.14	-7,305.83	-510.18	7,304.93	0.47	-0.18	0.44	
18,137.00	90.64	181.66	11,242.85	-7,399.77	-513.35	7,398.87	1.13	0.98	-0.57	
18,232.00	89.55	180.17	11,242.69	-7,494.76	-514.86	7,493.85	1.94	-1.15	-1.57	
18,327.00	89.86	181.07	11,243.18	-7,589.75	-515.89	7,588.84	1.00	0.33	0.95	
18,422.00	90.31	179.08	11,243.04	-7,684.75	-516.02	7,683.83	2.15	0.47	-2.09	
18,517.00	89.36	176.75	11,243.31	-7,779.67	-512.56	7,778.77	2.65	-1.00	-2.45	
18,612.00	88.74	175.99	11,244.89	-7,874.47	-506.55	7,873.57	1.03	-0.65	-0.80	
18,707.00	88.60	176.56	11,247.09	-7,969.24	-500.38	7,968.36	0.62	-0.15	0.60	
18,802.00	89.47	177.70	11,248.69	-8,064.11	-495.62	8,063.23	1.51	0.92	1.20	
18,896.00	90.25	179.46	11,248.92	-8,158.07	-493.29	8,157.20	2.05	0.83	1.87	
18,990.00	90.11	179.68	11,248.63	-8,252.07	-492.59	8,251.20	0.28	-0.15	0.23	
19,085.00	89.58	179.65	11,248.88	-8,347.07	-492.03	8,346.20	0.56	-0.56	-0.03	
19,179.00	89.89	181.03	11,249.32	-8,441.06	-492.59	8,440.19	1.50	0.33	1.47	
19,274.00	90.59	181.89	11,248.92	-8,536.03	-495.01	8,535.15	1.17	0.74	0.91	
19,369.00	89.19	181.30	11,249.10	-8,630.99	-497.65	8,630.11	1.60	-1.47	-0.62	
19,463.00	89.92	181.57	11,249.83	-8,724.96	-500.01	8,724.07	0.83	0.78	0.29	
19,557.00	90.08	181.55	11,249.83	-8,818.92	-502.57	8,818.03	0.17	0.17	-0.02	
19,651.00	89.72	181.34	11,250.00	-8,912.89	-504.94	8,912.00	0.44	-0.38	-0.22	
19,746.00	89.61	181.35	11,250.55	-9,007.87	-507.17	9,006.97	0.12	-0.12	0.01	
19,841.00	88.74	181.03	11,251.92	-9,102.83	-509.14	9,101.93	0.98	-0.92	-0.34	
19,936.00	89.64	182.33	11,253.26	-9,197.78	-511.92	9,196.87	1.66	0.95	1.37	
20,029.00	90.25	181.54	11,253.35	-9,290.73	-515.06	9,289.81	1.07	0.66	-0.85	
20,124.00	90.78	181.17	11,252.50	-9,385.70	-517.31	9,384.78	0.68	0.56	-0.39	
20,220.00	90.81	181.58	11,251.17	-9,481.66	-519.61	9,480.74	0.43	0.03	0.43	
20,314.00	90.36	182.03	11,250.21	-9,575.61	-522.57	9,574.68	0.68	-0.48	0.48	
20,409.00	89.61	180.29	11,250.23	-9,670.58	-524.50	9,669.65	1.99	-0.79	-1.83	
20,503.00	89.78	178.21	11,250.73	-9,764.57	-523.27	9,763.64	2.22	0.18	-2.21	
20,598.00	89.69	178.63	11,251.17	-9,859.53	-520.65	9,858.61	0.45	-0.09	0.44	
20,693.00	89.41	178.44	11,251.92	-9,954.50	-518.22	9,953.58	0.36	-0.29	-0.20	
20,787.00	89.66	179.11	11,252.68	-10,048.47	-516.21	10,047.55	0.76	0.27	0.71	
20,882.00	89.94	179.93	11,253.01	-10,143.47	-515.41	10,142.55	0.91	0.29	0.86	
20,977.00	89.38	179.74	11,253.58	-10,238.46	-515.14	10,237.55	0.62	-0.59	-0.20	
21,071.00	89.55	179.83	11,254.45	-10,332.46	-514.79	10,331.54	0.20	0.18	0.10	
21,164.00	89.52	180.00	11,255.21	-10,425.46	-514.65	10,424.54	0.19	-0.03	0.18	
21,259.00	90.25	181.33	11,255.40	-10,520.45	-515.75	10,519.53	1.60	0.77	1.40	
21,354.00	90.11	181.58	11,255.10	-10,615.42	-518.16	10,614.49	0.30	-0.15	0.26	

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well #901H
Project:	Eddy County, NM	TVD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Site:	Poker Lake Unit 21 BD	MD Reference:	32.5' + 3218 @ 3250.50usft (Nabors X32)
Well:	#901H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Multi User DB2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
21,449.00	90.34	182.24	11,254.73	-10,710.36	-521.33	10,709.43	0.74	0.24	0.69	
21,544.00	90.00	182.30	11,254.45	-10,805.29	-525.09	10,804.35	0.36	-0.36	0.06	
21,598.00	89.86	182.53	11,254.51	-10,859.24	-527.37	10,858.30	0.50	-0.26	0.43	
21,658.00	89.86	182.53	11,254.66	-10,919.18	-530.02	10,918.24	0.00	0.00	0.00	

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PLU-21 BD #901H: SHL - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	403,832.90	636,787.30	32.109482	-103.891553
901H Crossed In 330' HI - actual wellpath hits target center - Point	0.00	0.00	11,244.46	-2,309.79	-514.51	401,523.11	636,272.80	32.103139	-103.893245
901H Crossed Out 330' - actual wellpath hits target center - Point	0.00	0.00	11,247.93	-3,128.17	-508.78	400,704.73	636,278.53	32.100889	-103.893237
901H Crossed In 330' HI - actual wellpath hits target center - Point	0.00	0.00	11,248.17	-8,022.65	-497.47	395,810.25	636,289.84	32.087434	-103.893265
901H Crossed Out 330' - actual wellpath hits target center - Point	0.00	0.00	11,249.84	-8,729.36	-500.13	395,103.54	636,287.18	32.085491	-103.893283
PLU-21 BD #901H: BHL - actual wellpath hits target center - Point	0.00	0.00	11,254.66	-10,919.18	-530.02	392,913.72	636,257.28	32.079472	-103.893408

Checked By: _____	Approved By: _____	Date: _____
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Section Two

Daily Drilling Activity Reports



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone			Company Man Night/Phone		

BHA #	1	Total Circulating Hours	8.42	Circulating Hours	3.08	Drilling Hours	5.33
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	14:45		Rotate Ft/Hrs	651.00	5.33	WOB Rot	5	10	Flow Rate	400	650	Bit Serial #	BHA #1	BHA #2
BHA Out	23:59		Avg ROP Rotate	122.14		Diff PSI Rot	0	0	Off Bttm SPP	0	0		49528	
Start/End Depth	123	774	Rotate % Ft/Hrs	100	100	WOB Slide			On Bttm SPP	0	0		Motor Serial #	
Total Drilled	651.00		Slide Ft/Hrs			Diff PSI Slide			RPM	40	90	Mud Properties In/Out		
Avg ROP	122.14		Avg ROP Slide			DLS Range			Off Bttm Tq	2,500	7,500	Mud Type		Sand
Circ Hours	3.08		Slide % Ft/Hrs			BHT Range	62	62	On Bttm Tq	2,500	7,500	Mud Wt		Solids
BRT	9.25					'MWD Tool Type' Survey Data					Mud Vis		PH	
Daily Cost			\$0.00			Bit to Survey			Bit to Gamma			Chlorides		Flow Temp
Cumulative Cost			\$0.00			Inc In/Out			AZM In/Out			% Oil		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	13:00	13.00	0	0	0.00	0.00	Standby	Non-Circulating	Standby
13:00	14:45	1.75	0	0	0.00	0.00	Pick up BHA	ART	Change BHA
14:45	15:35	0.83	123	219	96.00	115.20	Rotating	Rotating	Drilling - (WOB:5.00;GPM :500.00;RPM:40)
15:35	15:40	0.08	219	219	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@174' Inc 0.18° Azm 296.83°
15:40	16:10	0.50	219	312	93.00	186.00	Rotating	Rotating	Drilling - (WOB:10.00;GPM :600.00;RPM:80)
16:10	16:15	0.08	312	312	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@267' Inc 0.26° Azm 288.31°
16:15	16:45	0.50	312	404	92.00	184.00	Rotating	Rotating	Drilling - (WOB:10.00;GPM :600.00;RPM:80)
16:45	16:50	0.08	404	404	0.00	0.00	MWD - Survey (MP)	Circulating Only	MWD Survey@359' Inc 0.35° Azm 158.76°
16:50	17:00	0.17	404	404	0.00	0.00	POOH	Non-Circulating	POOH
17:00	17:40	0.67	404	404	0.00	0.00	TIH	Non-Circulating	TIH w/ Collars
17:40	18:25	0.75	404	498	94.00	125.33	Rotating	Rotating	Drilling - (WOB:10.00;GPM :600.00;RPM:90)
18:25	18:30	0.08	498	498	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@453' Inc 0.4° Azm 165.7°
18:30	18:40	0.17	498	517	19.00	114.00	Rotating	Rotating	Drilling - (WOB:10.00;GPM :650.00;RPM:90)
18:40	21:15	2.58	517	517	0.00	0.00	Circulating	Circulating Only	Circulating Lost Returns
21:15	22:00	0.75	517	590	73.00	97.33	Rotating	Rotating	Drilling - (WOB:5.00;GPM :400.00;RPM:60)
22:00	22:05	0.08	590	590	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@545' Inc 0.53° Azm 163.85°
22:05	23:00	0.92	590	681	91.00	99.27	Rotating	Rotating	Drilling - (WOB:5.00;GPM :400.00;RPM:60)
23:00	23:05	0.08	681	681	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@636' Inc 0.48° Azm 186.18°
23:05	23:59	0.92	681	774	93.00	101.45	Rotating	Rotating	Drilling - (WOB:5.00;GPM :400.00;RPM:60)



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone		Company Man Night/Phone			

BHA #	1	Total Circulating Hours	4.50	Circulating Hours	0.92	Drilling Hours	3.58
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	00:00	Rotate F/Hrs	291.00	3.58	WOB Rot	20	30	Flow Rate	650	650		BHA #1	BHA #2	
BHA Out	07:00	Avg ROP Rotate	81.29		Diff PSI Rot	0	0	Off Bttm SPP	0	0	Bit Serial #	49528		
Start/End Depth	774	1,065	Rotate % F/Hrs	100	100	WOB Slide		On Bttm SPP	0	0	Motor Serial #			
Total Drilled	291.00		Slide F/Hrs			Diff PSI Slide		RPM	60	60	Mud Properties In/Out			
Avg ROP	81.29		Avg ROP Slide			DLS Range		Off Bttm Tq	3,000	3,000	Mud Type		Sand	
Circ Hours	0.92		Slide % Ft/Hrs			BHT Range	62	62	On Bttm Tq	3,000	3,000	Mud Wt		Solids
BRT	5.50					'MWD Tool Type' Survey Data					Mud Vis		PH	
Daily Cost		\$0.00			Bit to Survey			Bit to Gamma			Chlorides		Flow Temp	
Cumulative Cost		\$0.00			Inc In/Out			AZM In/Out			% Oil			

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:05	0.08	774	774	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@729' Inc 0.62° Azm 236.89°
00:05	01:15	1.17	774	836	62.00	53.14	Rotating	Rotating	Drilling - (WOB:20.00;GPM :400.00;RPM:60)
01:15	01:20	0.08	836	836	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@822' Inc 0.44° Azm 285.14°
01:20	02:40	1.33	836	962	126.00	94.50	Rotating	Rotating	Drilling - (WOB:20.00;GPM :400.00;RPM:60)
02:40	02:45	0.08	962	962	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@917' Inc 0.79° Azm 301.75°
02:45	03:30	0.75	962	1025	63.00	84.00	Rotating	Rotating	Drilling - (WOB:20.00;GPM :400.00;RPM:60)
03:30	03:35	0.08	1025	1025	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1020' Inc 1.67° Azm 312.21°
03:35	03:55	0.33	1025	1065	40.00	120.00	Rotating	Rotating	Drilling - (WOB:30.00;GPM :400.00;RPM:60)
03:55	04:00	0.08	1065	1065	0.00	0.00	MWD - Survey (MP)	Circulating Only	MWD Survey@1020' Inc 1.67° Azm 312.21°
04:00	04:30	0.50	1065	1065	0.00	0.00	Circulating	Circulating Only	Circulating
04:30	05:30	1.00	1065	1065	0.00	0.00	POOH	Non-Circulating	POOH
05:30	07:00	1.50	1065	1065	0.00	0.00	L/D DP		L/D BHA # 1
07:00	23:59	17.00	1065	1065	0.00	0.00	Standby	Non-Circulating	Standby



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone			Company Man Night/Phone		

BHA #	Total Circulating Hours	Circulating Hours	Drilling Hours																																																																																																																								
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LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	23:59	24.00	1065	1065	0.00	0.00	Standby	Non-Circulating	Standby



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
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Company Man Day/Phone		Company Man Night/Phone			

BHA #	Total Circulating Hours	Circulating Hours	Drilling Hours																																																																																																																								
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LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	23:00	23.00	1065	1065	0.00	0.00	Standby	Non-Circulating	Standby Skidding Rig / Nipple Up BOP / Test BOP
23:00	23:59	1.00	1065	1065	0.00	0.00	Change BHA	ART	P/U BHA #2



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone			Company Man Night/Phone		

BHA #	2	Total Circulating Hours	15.83	Circulating Hours	3.42	Drilling Hours	12.42
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Time and Depths					Drilling Parameters Min/Max					BHA Data					
BHA In	00:00	Rotate Ft/Hrs	1,788.00	11.08	WOB Rot	5	38	Flow Rate	500	750	Bit Serial #	BHA #1	BHA #2		
BHA Out	23:59	Avg ROP Rotate	161.37		Diff PSI Rot	200	650	Off Bttm SPP	0	0		4012333			
Start/End Depth	1,065	2,965	Rotate % F/Hrs	94	89	WOB Slide	25	25	On Bttm SPP	0	650	Motor Serial #	TOP800M1027		
Total Drilled	1,900.00	Slide F/Hrs	112.00	1.33	Diff PSI Slide	250	300	RPM	30	80	Mud Properties In/Out				
Avg ROP	152.98		Avg ROP Slide	84.21	DLS Range		Off Bttm Tq		2,500	12,000	Mud Type		Sand		
Circ Hours	3.42		Slide % F/Hrs	5.90	10.74	BHT Range	62	113	On Bttm Tq	2,500	12,000	Mud Wt		Solids	
BRT	24.00					'MWD Tool Type' Survey Data					Mud Vis		PH		
Daily Cost		\$0.00			Bit to Survey	81.00	Bit to Gamma	64.00		Chlorides		Flow Temp			
Cumulative Cost		\$0.00			Inc In/Out		AZM In/Out			% Oil					

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:15	0.25	1065	1065	0.00	0.00	TIH	Non-Circulating	P/U BHA #2
00:15	00:55	0.67	1065	1065	0.00	0.00	Rig Repair	Non-Circulating	Rig repair - Fix Leak on Standpipe
00:55	01:00	0.08	1065	1065	0.00	0.00	Circulating	Circulating Only	Test MWD (GOOD)
01:00	03:00	2.00	1065	1065	0.00	0.00	TIH	Non-Circulating	M/U Bit, TIH
03:00	08:00	5.00	1065	1065	0.00	0.00	Rig Repair	Non-Circulating	Rig repair - Work on Standpipe / FlowLine / Rot Head
08:00	08:45	0.75	1065	1065	0.00	0.00	Drilling Cement	Circulating Only	Drilling - (WOB:5.00;GPM :500.00;RPM:30)
08:45	08:55	0.17	1065	1075	10.00	60.00	Rotating	Rotating	Drilling - (WOB:5.00;GPM :500.00;RPM:30)
08:55	09:00	0.08	1075	1075	0.00	0.00	Circulating	Circulating Only	Circulating
09:00	09:05	0.08	1075	1075	0.00	0.00	Other	Non-Circulating	Other FI Test
09:05	09:15	0.17	1075	1084	9.00	54.00	Rotating	Rotating	Drilling - (WOB:5.00;GPM :600.00;RPM:30)
09:15	09:20	0.08	1084	1084	0.00	0.00	Connection	Non-Circulating	Connection
09:20	09:45	0.42	1084	1177	93.00	223.20	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:60)
09:45	09:50	0.08	1177	1177	0.00	0.00	Connection	Non-Circulating	Connection
09:50	10:05	0.25	1177	1240	63.00	252.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
10:05	10:10	0.08	1240	1240	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1159' Inc 2.42° Azm 323.55°
10:10	10:15	0.08	1240	1250	10.00	120.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
10:15	10:25	0.17	1250	1270	20.00	120.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750.00;RPM:)
10:25	10:45	0.33	1270	1335	65.00	195.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
10:45	10:55	0.17	1335	1335	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1254' Inc 2.02° Azm 304.74°
10:55	11:10	0.25	1335	1429	94.00	376.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
11:10	11:20	0.17	1429	1429	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1348' Inc 1.89° Azm 283.91°
11:20	11:25	0.08	1429	1439	10.00	120.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
11:25	11:35	0.17	1439	1459	20.00	120.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:150M))
11:35	11:45	0.17	1459	1524	65.00	389.99	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
11:45	11:55	0.17	1524	1524	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1443' Inc 2.07° Azm 258.42°
11:55	12:00	0.08	1524	1534	10.00	120.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
12:00	12:10	0.17	1534	1554	20.00	120.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:150M))
12:10	12:25	0.25	1554	1619	65.00	260.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
12:25	12:35	0.17	1619	1619	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1538' Inc 2.77° Azm 217.91°
12:35	13:00	0.42	1619	1714	95.00	228.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
13:00	13:10	0.17	1714	1714	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1633' Inc 3.6° Azm 201.47°
13:10	13:15	0.08	1714	1724	10.00	120.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
13:15	13:30	0.25	1724	1744	20.00	80.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:90))
13:30	13:45	0.25	1744	1809	65.00	260.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
13:45	13:55	0.17	1809	1809	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1728' Inc 3.82° Azm 218.87°
13:55	14:10	0.25	1809	1904	95.00	380.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
14:10	14:15	0.08	1904	1904	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1823' Inc 4.31° Azm 234.08°
14:15	14:45	0.50	1904	1999	95.00	190.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
14:45	14:55	0.17	1999	1999	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@1918' Inc 4.66° Azm 232.67°
14:55	15:00	0.08	1999	2009	10.00	120.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
15:00	15:10	0.17	2009	2029	20.00	120.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:90R))
15:10	15:40	0.50	2029	2093	64.00	128.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
15:40	15:50	0.17	2093	2093	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2012' Inc 4.97° Azm 243.92°
15:50	16:15	0.42	2093	2187	94.00	225.60	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
16:15	16:25	0.17	2187	2187	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2106' Inc 5.32° Azm 251.22°
16:25	16:55	0.50	2187	2281	94.00	188.00	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
16:55	17:05	0.17	2281	2281	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2200' Inc 5.32° Azm 250.07°
17:05	17:50	0.75	2281	2376	95.00	126.67	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)

17:50	18:00	0.17	2376	2376	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2295' Inc 5.27° Azm 247.53°
18:00	18:35	0.58	2376	2471	95.00	162.86	Rotating	Rotating	Drilling - (WOB:30.00;GPM :750.00;RPM:80)
18:35	18:40	0.08	2471	2471	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2390' Inc 5.54° Azm 245.5°
18:40	19:20	0.67	2471	2566	95.00	142.50	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
19:20	19:25	0.08	2566	2566	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2485' Inc 5.63° Azm 244.98°
19:25	20:20	0.92	2566	2662	96.00	104.73	Rotating	Rotating	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
20:20	20:25	0.08	2662	2662	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2581' Inc 5.36° Azm 246.38°
20:25	21:20	0.92	2662	2757	95.00	103.64	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
21:20	21:25	0.08	2757	2757	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2676' Inc 5.41° Azm 250.69°
21:25	22:20	0.92	2757	2852	95.00	103.64	Rotating	Rotating	Drilling - (WOB:38.00;GPM :750.00;RPM:60)
22:20	22:25	0.08	2852	2852	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2771' Inc 5.32° Azm 252.8°
22:25	23:20	0.92	2852	2946	94.00	102.55	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:60)
23:20	23:25	0.08	2946	2946	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2865' Inc 5.45° Azm 255.52°
23:25	23:30	0.08	2946	2951	5.00	60.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:60)
23:30	23:55	0.42	2951	2963	12.00	28.80	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:10R))
23:55	23:59	0.08	2963	2965	2.00	24.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone			Company Man Night/Phone		

BHA #	3	Total Circulating Hours	16.00	Circulating Hours	3.67	Drilling Hours	12.33
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	00:00		Rotate F/Hrs	1,855.00	9.25	WOB Rot	35	35	Flow Rate	750	750		BHA #1	BHA #2
BHA Out	23:59		Avg ROP Rotate	200.54		Diff PSI Rot	100	650	Off Bttm SPP	0	0	Bit Serial #	4012333	4012333
Start/End Depth	2,965	4,931	Rotate % F/Hrs	94	75	WOB Slide	25	25	On Bttm SPP	100	650	Motor Serial #	TOP800M1027	DM80050US
Total Drilled	1,966.00		Slide F/Hrs	111.00	3.08	Diff PSI Slide	100	350	RPM	60	80	Mud Properties In/Out		
Avg ROP	159.45		Avg ROP Slide	36.04		DLS Range			Off Bttm Tq	10,000	14,000	Mud Type		Sand
Circ Hours	3.67		Slide % F/Hrs	5.65	25.00	BHT Range	113	118	On Bttm Tq	10,000	14,000	Mud Wt		Solids
BRT	22.00					'MWD Tool Type' Survey Data					Mud Vis		PH	
Daily Cost			\$0.00			Bit to Survey	82.00		Bit to Gamma	66.00		Chlorides		Flow Temp
Cumulative Cost			\$0.00			Inc In/Out			AZM In/Out			% Oil		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:25	0.42	2965	3041	76.00	182.40	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
00:25	00:30	0.08	3041	3041	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@2960' Inc 5.93° Azm 258.78°
00:30	00:35	0.08	3041	3048	7.00	84.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
00:35	01:00	0.42	3048	3068	20.00	48.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:0G))
01:00	01:15	0.25	3068	3135	67.00	268.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
01:15	01:20	0.08	3135	3135	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3054' Inc 6.46° Azm 260.89°
01:20	01:25	0.08	3135	3145	10.00	120.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
01:25	02:00	0.58	3145	3165	20.00	34.29	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:0G))
02:00	02:35	0.58	3165	3230	65.00	111.43	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
02:35	02:40	0.08	3230	3230	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3149' Inc 7.34° Azm 260.01°
02:40	02:45	0.08	3230	3240	10.00	120.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
02:45	03:30	0.75	3240	3260	20.00	26.67	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:0G))
03:30	03:45	0.25	3260	3325	65.00	260.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
03:45	03:50	0.08	3325	3325	0.00	0.00	Circulating	Circulating Only	SPR
03:50	03:55	0.08	3325	3325	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3244' Inc 8.84° Azm 262.91°
03:55	04:15	0.33	3325	3419	94.00	282.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
04:15	04:20	0.08	3419	3419	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3338' Inc 9.63° Azm 260.27°
04:20	04:35	0.25	3419	3513	94.00	376.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
04:35	04:40	0.08	3513	3513	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3432' Inc 9.32° Azm 255.44°
04:40	05:20	0.67	3513	3608	95.00	142.50	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:60)
05:20	05:25	0.08	3608	3608	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3527' Inc 9.45° Azm 249.37°
05:25	06:10	0.75	3608	3703	95.00	126.67	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
06:10	06:20	0.17	3703	3703	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3622' Inc 9.19° Azm 248.14°
06:20	06:55	0.58	3703	3798	95.00	162.86	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
06:55	07:05	0.17	3798	3798	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3717' Inc 9.14° Azm 250.07°
07:05	07:15	0.17	3798	3892	94.00	563.99	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
07:15	07:25	0.17	3892	3892	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3811' Inc 9.05° Azm 249.9°
07:25	07:40	0.25	3892	3987	95.00	380.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
07:40	07:50	0.17	3987	3987	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@3906' Inc 9.67° Azm 249.11°
07:50	08:05	0.25	3987	4081	94.00	376.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
08:05	08:15	0.17	4081	4081	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@4000' Inc 10.24° Azm 247.88°
08:15	08:25	0.17	4081	4175	94.00	563.99	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
08:25	08:35	0.17	4175	4175	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@4094' Inc 10.95° Azm 248.84°
08:35	08:50	0.25	4175	4270	95.00	380.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
08:50	09:00	0.17	4270	4270	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@4189' Inc 11.52° Azm 249.11°
09:00	09:20	0.33	4270	4364	94.00	282.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
09:20	09:30	0.17	4364	4364	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@4283' Inc 12.18° Azm 248.49°
09:30	09:50	0.33	4364	4458	94.00	282.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
09:50	10:05	0.25	4458	4458	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@4377' Inc 12.88° Azm 248.41°
10:05	10:55	0.83	4458	4552	94.00	112.80	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
10:55	11:05	0.17	4552	4552	0.00	0.00	MWD - Survey (MP)	Circulating Only	Survey & Conn.@4471' Inc 13.63° Azm 248.41°
11:05	11:25	0.33	4552	4569	17.00	51.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
11:25	11:45	0.33	4569	4580	11.00	33.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:180))
11:45	12:00	0.25	4580	4600	20.00	80.00	Rotating	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
12:00	13:00	1.00	4600	4600	0.00	0.00	Circulating	Circulating Only	Circulating
13:00	16:00	3.00	4600	4600	0.00	0.00	POOH	Non-Circulating	POOH
16:00	18:00	2.00	4600	4600	0.00	0.00	Lay Down BHA	ART	Change BHA
18:00	21:00	3.00	4600	4600	0.00	0.00	TIH	Non-Circulating	TIH

21:00	21:25	0.42	4600	4620	20.00	48.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:180))
21:25	21:35	0.17	4620	4649	29.00	174.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
21:35	21:40	0.08	4649	4649	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@4567' Inc 14.37° Azm 249.46°
21:40	21:45	0.08	4649	4659	10.00	120.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
21:45	22:20	0.58	4659	4679	20.00	34.29	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:180))
22:20	22:50	0.50	4679	4743	64.00	128.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
22:50	22:55	0.08	4743	4743	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@4661' Inc 11.3° Azm 249.9°
22:55	23:10	0.25	4743	4836	93.00	372.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
23:10	23:15	0.08	4836	4836	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@4754' Inc 9.8° Azm 249.72°
23:15	23:59	0.75	4836	4931	95.00	126.67	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone			Company Man Night/Phone		

BHA #	3	Total Circulating Hours	23.67	Circulating Hours	2.50	Drilling Hours	21.17
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	00:00		Rotate Ft/Hrs	1,564.00	14.83	WOB Rot	35	40	Flow Rate	700	750		BHA #1	BHA #2
BHA Out	23:59		Avg ROP Rotate	105.46		Diff PSI Rot	300	700	Off Bttm SPP	0	0	Bit Serial #	4012333	
Start/End Depth	4,931	6,640	Rotate % Ft/Hrs	92	70	WOB Slide	25	35	On Bttm SPP	150	700	Motor Serial #	DM80050US	
Total Drilled	1,709.00		Slide Ft/Hrs	145.00	6.33	Diff PSI Slide	150	400	RPM	40	70	Mud Properties In/Out		
Avg ROP	80.73		Avg ROP Slide	22.91		DLS Range			Off Bttm Tq	10,000	15,000	Mud Type		Sand
Circ Hours	2.50		Slide % Ft/Hrs	8.48	29.92	BHT Range	118	118	On Bttm Tq	10,000	15,000	Mud Wt		Solids
BRT	24.00					'MWD Tool Type' Survey Data					Mud Vis		PH	
Daily Cost			\$0.00			Bit to Survey	82.00		Bit to Gamma	66.00		Chlorides		Flow Temp
Cumulative Cost			\$0.00			Inc In/Out			AZM In/Out			% Oil		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:05	0.08	4931	4931	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@4849' Inc 10.46° Azm 247.61°
00:05	00:10	0.08	4931	4941	10.00	120.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
00:10	00:40	0.50	4941	4956	15.00	30.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:150R)
00:40	01:00	0.33	4956	5026	70.00	210.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
01:00	01:05	0.08	5026	5026	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@4944' Inc 9.67° Azm 249.9°
01:05	01:30	0.42	5026	5120	94.00	225.60	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
01:30	01:35	0.08	5120	5120	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5038' Inc 9.27° Azm 250.87°
01:35	03:00	1.42	5120	5215	95.00	67.06	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
03:00	03:05	0.08	5215	5215	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5133' Inc 9.71° Azm 251.04°
03:05	03:10	0.08	5215	5225	10.00	120.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
03:10	03:50	0.67	5225	5240	15.00	22.50	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:180))
03:50	04:10	0.33	5240	5310	70.00	210.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
04:10	04:15	0.08	5310	5310	0.00	0.00	Circulating	Circulating Only	SPR
04:15	04:20	0.08	5310	5310	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5228' Inc 9.8° Azm 250.95°
04:20	05:00	0.67	5310	5405	95.00	142.50	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
05:00	05:05	0.08	5405	5405	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5323' Inc 9.8° Azm 252.01°
05:05	05:10	0.08	5405	5415	10.00	120.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
05:10	05:40	0.50	5415	5430	15.00	30.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :750;TFO:180))
05:40	06:05	0.42	5430	5500	70.00	168.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
06:05	06:15	0.17	5500	5500	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5418' Inc 8.97° Azm 251.66°
06:15	06:45	0.50	5500	5595	95.00	190.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
06:45	06:55	0.17	5595	5595	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5513' Inc 8.26° Azm 249.46°
06:55	07:00	0.08	5595	5605	10.00	120.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
07:00	08:00	1.00	5605	5625	20.00	20.00	Sliding	Sliding	Sliding - (WOB:35.00;GPM :750;TFO:180))
08:00	08:25	0.42	5625	5687	62.00	148.80	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
08:25	08:35	0.17	5687	5687	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5607' Inc 7.91° Azm 250.6°
08:35	09:05	0.50	5687	5784	97.00	194.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
09:05	09:15	0.17	5784	5784	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5702' Inc 6.95° Azm 251.13°
09:15	09:20	0.08	5784	5794	10.00	120.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
09:20	10:00	0.67	5794	5814	20.00	30.00	Sliding	Sliding	Sliding - (WOB:35.00;GPM :750;TFO:180))
10:00	10:35	0.58	5814	5879	65.00	111.43	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
10:35	10:45	0.17	5879	5879	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5797' Inc 6.15° Azm 250.34°
10:45	11:40	0.92	5879	5973	94.00	102.55	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
11:40	11:50	0.17	5973	5973	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5891' Inc 5.41° Azm 249.46°
11:50	12:00	0.17	5973	5983	10.00	60.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
12:00	13:00	1.00	5983	6003	20.00	20.00	Sliding	Sliding	Sliding - (WOB:35.00;GPM :750;TFO:180))
13:00	13:50	0.83	6003	6067	64.00	76.80	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
13:50	14:00	0.17	6067	6067	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@5985' Inc 4.62° Azm 250.6°
14:00	14:50	0.83	6067	6162	95.00	114.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
14:50	15:00	0.17	6162	6162	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6080' Inc 3.87° Azm 255.08°
15:00	15:10	0.17	6162	6172	10.00	60.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
15:10	15:55	0.75	6172	6192	20.00	26.67	Sliding	Sliding	Sliding - (WOB:35.00;GPM :750;TFO:180))
15:55	16:30	0.58	6192	6256	64.00	109.71	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
16:30	16:50	0.33	6256	6256	0.00	0.00	Rig Service - Inhole	Non-Circulating	Rig Service-Inhole
16:50	17:00	0.17	6256	6256	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6174' Inc 2.81° Azm 249.64°
17:00	17:50	0.83	6256	6351	95.00	114.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
17:50	18:00	0.17	6351	6351	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6269' Inc 2.46° Azm 245.33°
18:00	18:05	0.08	6351	6361	10.00	120.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :750.00;RPM:70)

18:05	19:20	1.25	6361	6381	20.00	16.00	Sliding	Sliding	Sliding - (WOB:35.00;GPM :750;TFO:65M))
19:20	20:35	1.25	6381	6446	65.00	52.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:40)
20:35	20:40	0.08	6446	6446	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6364' Inc 1.49° Azm 240.23°
20:40	22:25	1.75	6446	6541	95.00	54.29	Drilling	Rotating	Drilling - (WOB:40.00;GPM :700.00;RPM:50)
22:25	22:30	0.08	6541	6541	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6459' Inc 0.97° Azm 242.69°
22:30	23:50	1.33	6541	6635	94.00	70.50	Drilling	Rotating	Drilling - (WOB:40.00;GPM :700.00;RPM:60)
23:50	23:55	0.08	6635	6635	0.00	0.00	Survey & Conn.	Circulating Only	@
23:55	23:59	0.08	6635	6640	5.00	60.00	Drilling	Rotating	Drilling - (WOB:40.00;GPM :700.00;RPM:60)



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone		Company Man Night/Phone			

BHA #	4	Total Circulating Hours	17.75	Circulating Hours	2.92	Drilling Hours	14.83
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Time and Depths				Drilling Parameters Min/Max				BHA Data		
BHA In	3/9/2020 00:00	Rotate Ft/Hrs	775.00 14.08	WOB Rot	35 40	Flow Rate	650 750	Bit Serial #	BHA #1	BHA #2
BHA Out	3/9/2020 23:59	Avg ROP Rotate	55.04	Diff PSI Rot	200 450	Off Bttm SPP	0 0	Motor Serial #	4012333	4012333
Start/End Depth	6,640 7,425	Rotate % Ft/Hrs	99 95	WOB Slide	35 35	On Bttm SPP	150 450		DM80050US	GD20322
Total Drilled	785.00	Slide Ft/Hrs	10.00 0.75	Diff PSI Slide	150 150	RPM	60 60	Mud Properties In/Out		
Avg ROP	52.93	Avg ROP Slide	13.33	DLS Range		Off Bttm Tq	12,000 14,000	Mud Type	0 0	Sand
Circ Hours	2.92	Slide % Ft/Hrs	1.27 5.06	BHT Range	118 133	On Bttm Tq	12,000 14,000	Mud Wt		Solids
BRT	22.00			'MWD Tool Type' Survey Data				Mud Vis		PH
Daily Cost	\$0.00			Bit to Survey	82.00	Bit to Gamma	66.00	Chlorides		Flow Temp
Cumulative Cost	\$0.00			Inc In/Out		AZM In/Out		% Oil		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	01:40	1.67	6640	6729	89.00	53.40	Drilling	Rotating	Drilling - (WOB:40.00;GPM :700.00;RPM:60)
01:40	01:45	0.08	6647	6647	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6647' Inc 1.49° Azm 226.61°
01:45	03:15	1.50	6729	6823	94.00	62.67	Drilling	Rotating	Drilling - (WOB:40.00;GPM :700.00;RPM:60)
03:15	03:20	0.08	6741	6741	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6741' Inc 1.36° Azm 223.53°
03:20	04:40	1.33	6823	6917	94.00	70.50	Drilling	Rotating	Drilling - (WOB:40.00;GPM :700.00;RPM:60)
04:40	04:45	0.08	6917	6917	0.00	0.00	Circulating	Circulating Only	SPR
04:45	04:50	0.08	6835	6835	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6835' Inc 1.54° Azm 221.51°
04:50	05:15	0.42	6917	6942	25.00	60.00	Drilling	Rotating	Drilling - (WOB:40.00;GPM :700.00;RPM:60)
05:15	06:00	0.75	6942	6952	10.00	13.33	Sliding	Sliding	Sliding - (WOB:35.00;GPM :750;TFO:40M))
06:00	07:10	1.17	6952	7011	59.00	50.57	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
07:10	07:20	0.17	6929	6929	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@6929' Inc 1.54° Azm 215.97°
07:20	09:55	2.58	7011	7106	95.00	36.77	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)
09:55	10:05	0.17	7024	7024	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7024' Inc 1.41° Azm 222.48°
10:05	11:50	1.75	7106	7201	95.00	54.29	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)
11:50	12:00	0.17	7119	7119	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7119' Inc 1.45° Azm 214.83°
12:00	13:25	1.42	7201	7296	95.00	67.06	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)
13:25	13:35	0.17	7214	7214	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7214' Inc 1.58° Azm 209.38°
13:35	15:05	1.50	7296	7391	95.00	63.33	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)
15:05	15:35	0.50	7391	7391	0.00	0.00	Rig Service - Inhole	Non-Circulating	Rig Service-Inhole
15:35	15:45	0.17	7309	7309	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7309' Inc 1.76° Azm 208.33°
15:45	16:30	0.75	7391	7425	34.00	45.33	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
16:30	18:15	1.75	7425	7425	0.00	0.00	Circulating	Circulating Only	Circulating
18:15	21:30	3.25	7425	7425	0.00	0.00	POOH	Non-Circulating	POOH
21:30	23:30	2.00	7425	7425	0.00	0.00	Change BHA	ART	Change BHA, Test MWD (GOOD)
23:30	23:59	0.50	7425	7425	0.00	0.00	TIH	Non-Circulating	TIH



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone			Company Man Night/Phone		

BHA #	4	Total Circulating Hours	18.42	Circulating Hours	1.00	Drilling Hours	17.42
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	00:00		Rotate Ft/Hrs	570.00	9.83	WOB Rot	25	35	Flow Rate	650	650		BHA #1	BHA #2
BHA Out	23:59		Avg ROP Rotate	57.99		Diff PSI Rot	200	250	Off Bttm SPP	0	0	Bit Serial #	4012333	
Start/End Depth	7,425	8,068	Rotate % Ft/Hrs	89	56	WOB Slide	25	25	On Bttm SPP	150	250	Motor Serial #	GDT20322	
Total Drilled	643.00		Slide Ft/Hrs	73.00	7.58	Diff PSI Slide	150	250	RPM	40	60	Mud Properties In/Out		
Avg ROP	36.91		Avg ROP Slide	9.63		DLS Range			Off Bttm Tq	11,000	14,000	Mud Type		Sand
Circ Hours	1.00		Slide % Ft/Hrs	11.35	43.54	BHT Range	133	133	On Bttm Tq	11,000	14,000	Mud Wt		Solids
BRT	24.00					'MWD Tool Type' Survey Data					Mud Vis		PH	
Daily Cost			\$0.00			Bit to Survey	82.00	Bit to Gamma	66.00			Chlorides		Flow Temp
Cumulative Cost			\$0.00			Inc In/Out		AZM In/Out				% Oil		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:30	0.50	7425	7425	0.00	0.00	TIH	Non-Circulating	TIH
00:30	02:30	2.00	7425	7425	0.00	0.00	Rig Repair	Non-Circulating	Rig repair - Slip & Cut Drill Line
02:30	05:00	2.50	7425	7425	0.00	0.00	TIH	Non-Circulating	TIH
05:00	06:15	1.25	7425	7485	60.00	48.00	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:40)
06:15	06:25	0.17	7402	7402	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7402' Inc 2.07° Azm 209.12°
06:25	06:35	0.17	7485	7495	10.00	60.00	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:50)
06:35	07:40	1.08	7495	7515	20.00	18.46	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:30M))
07:40	09:15	1.58	7515	7580	65.00	41.05	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:50)
09:15	09:25	0.17	7497	7497	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7497' Inc 0.57° Azm 210.35°
09:25	11:35	2.17	7580	7675	95.00	43.85	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:50)
11:35	11:45	0.17	7592	7592	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7592' Inc 0.53° Azm 63.04°
11:45	13:00	1.25	7675	7769	94.00	75.20	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:50)
13:00	13:10	0.17	7686	7686	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7686' Inc 0.84° Azm 78.42°
13:10	14:30	1.33	7769	7863	94.00	70.50	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:50)
14:30	14:50	0.33	7863	7863	0.00	0.00	Rig Service - Inhole	Non-Circulating	Rig Service-Inhole
14:50	15:00	0.17	7780	7780	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7780' Inc 1.41° Azm 80.45°
15:00	15:10	0.17	7863	7873	10.00	60.00	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:50)
15:10	17:50	2.67	7873	7893	20.00	7.50	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:270M))
17:50	18:40	0.83	7893	7956	63.00	75.60	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:50)
18:40	18:45	0.08	7873	7873	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7873' Inc 0.57° Azm 119.29°
18:45	18:50	0.08	7956	7961	5.00	60.00	Drilling	Rotating	Drilling - (WOB:25.00;GPM :650.00;RPM:50)
18:50	19:25	0.58	7961	7965	4.00	6.86	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:270M))
19:25	19:35	0.17	7965	7965	0.00	0.00	Other	Non-Circulating	Swap Mud Pump
19:35	20:45	1.17	7965	7970	5.00	4.29	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:270M))
20:45	20:50	0.08	7970	7970	0.00	0.00	Other	Non-Circulating	Recycle
20:50	21:55	1.08	7970	7986	16.00	14.77	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:270M))
21:55	22:50	0.92	7986	8052	66.00	72.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
22:50	22:55	0.08	7969	7969	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@7969' Inc 1.63° Azm 238.91°
22:55	23:00	0.08	8052	8060	8.00	96.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
23:00	23:59	1.00	8060	8068	8.00	8.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:270M))



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone			Company Man Night/Phone		

BHA #	4	Total Circulating Hours	23.33	Circulating Hours	1.58	Drilling Hours	21.75
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	00:00		Rotate Ft/Hrs	1,083.00	17.67	WOB Rot	35	37	Flow Rate	650	700		BHA #1	BHA #2
BHA Out	23:59		Avg ROP Rotate	61.29		Diff PSI Rot	250	550	Off Bttm SPP	0	0	Bit Serial #	4012333	
Start/End Depth	8,068	9,199	Rotate % Ft/Hrs	96	81	WOB Slide	25	25	On Bttm SPP	100	550	Motor Serial #	GDT20322	
Total Drilled	1,131.00		Slide Ft/Hrs	48.00	4.08	Diff PSI Slide	100	250	RPM	60	60	Mud Properties In/Out		
Avg ROP	52.00		Avg ROP Slide	11.77		DLS Range			Off Bttm Tq	11,000	15,000	Mud Type		Sand
Circ Hours	1.58		Slide % Ft/Hrs	4.24	18.77	BHT Range	133	133	On Bttm Tq	11,000	15,000	Mud Wt		Solids
BRT	24.00					'MWD Tool Type' Survey Data					Mud Vis		PH	
Daily Cost			\$0.00			Bit to Survey	82.00	Bit to Gamma	66.00			Chlorides		Flow Temp
Cumulative Cost			\$0.00			Inc In/Out		AZM In/Out				% Oil		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	01:05	1.08	8068	8077	9.00	8.31	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650.00;TFO:270M)
01:05	02:00	0.92	8077	8147	70.00	76.36	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
02:00	02:05	0.08	8147	8147	0.00	0.00	Circulating	Circulating Only	SPR
02:05	02:10	0.08	8064	8064	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8064' Inc 3.78° Azm 249.55°
02:10	03:00	0.83	8147	8241	94.00	112.80	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
03:00	03:05	0.08	8158	8158	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8158' Inc 4.97° Azm 252.1°
03:05	03:10	0.08	8241	8248	7.00	84.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
03:10	04:20	1.17	8248	8263	15.00	12.86	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:180))
04:20	05:00	0.67	8263	8335	72.00	108.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
05:00	05:05	0.08	8252	8252	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8252' Inc 4.31° Azm 262.64°
05:05	06:50	1.75	8335	8430	95.00	54.29	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
06:50	07:00	0.17	8347	8347	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8347' Inc 2.95° Azm 270.55°
07:00	08:00	1.00	8430	8525	95.00	95.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
08:00	08:10	0.17	8442	8442	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8442' Inc 2.68° Azm 268.88°
08:10	09:25	1.25	8525	8620	95.00	76.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
09:25	09:35	0.17	8537	8537	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8537' Inc 2.95° Azm 262.2°
09:35	09:45	0.17	8620	8630	10.00	60.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :650.00;RPM:60)
09:45	11:00	1.25	8630	8650	20.00	16.00	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:90M))
11:00	12:00	1.00	8650	8715	65.00	65.00	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
12:00	12:10	0.17	8632	8632	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8632' Inc 1.76° Azm 271.17°
12:10	13:50	1.67	8715	8808	93.00	55.80	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
13:50	14:00	0.17	8725	8725	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8725' Inc 0.7° Azm 287.08°
14:00	15:35	1.58	8808	8902	94.00	59.37	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
15:35	16:15	0.67	8902	8902	0.00	0.00	Rig Service - Inhole	Non-Circulating	Rig Service-Inhole
16:15	16:25	0.17	8819	8819	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8819' Inc 1.05° Azm 285.32°
16:25	18:10	1.75	8902	8996	94.00	53.71	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
18:10	18:15	0.08	8913	8913	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@8913' Inc 1.32° Azm 284.97°
18:15	20:35	2.33	8996	9091	95.00	40.71	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
20:35	20:40	0.08	9008	9008	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9008' Inc 1.67° Azm 292.88°
20:40	23:00	2.33	9091	9185	94.00	40.29	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
23:00	23:05	0.08	9102	9102	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9102' Inc 2.07° Azm 285.41°
23:05	23:25	0.33	9185	9195	10.00	30.00	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
23:25	23:59	0.58	9195	9199	4.00	6.86	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:100M))



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone			Company Man Night/Phone		

BHA #	4	Total Circulating Hours	23.67	Circulating Hours	1.42	Drilling Hours	22.25
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	00:00		Rotate Ft/Hrs	1,035.00	19.50	WOB Rot	35	37	Flow Rate	650	725		BHA #1	BHA #2
BHA Out	23:59		Avg ROP Rotate	53.08		Diff PSI Rot	200	350	Off Bttm SPP	0	0	Bit Serial #	4012333	
Start/End Depth	9,199	10,265	Rotate % Ft/Hrs	97	88	WOB Slide	25	25	On Bttm SPP	150	350	Motor Serial #	GDT20322	
Total Drilled	1,066.00		Slide Ft/Hrs	31.00	2.75	Diff PSI Slide	150	350	RPM	60	60	Mud Properties In/Out		
Avg ROP	47.91		Avg ROP Slide	11.27		DLS Range			Off Bttm Tq	14,000	20,000	Mud Type		Sand
Circ Hours	1.42		Slide % Ft/Hrs	2.91	12.36	BHT Range	133	160	On Bttm Tq	14,000	20,000	Mud Wt		Solids
BRT	24.00					'MWD Tool Type' Survey Data					Mud Vis		PH	
Daily Cost			\$0.00			Bit to Survey	82.00		Bit to Gamma	66.00		Chlorides		Flow Temp
Cumulative Cost			\$0.00			Inc In/Out			AZM In/Out			% Oil		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	01:25	1.42	9199	9215	16.00	11.29	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:100M))
01:25	02:50	1.42	9215	9279	64.00	45.18	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
02:50	02:55	0.08	9196	9196	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9196' Inc 1.54° Azm 260.53°
02:55	05:10	2.25	9279	9373	94.00	41.78	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
05:10	05:15	0.08	9290	9290	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9290' Inc 1.45° Azm 201.03°
05:15	06:35	1.33	9373	9467	94.00	70.50	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
06:35	06:45	0.17	9384	9384	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9384' Inc 1.8° Azm 197.08°
06:45	08:20	1.58	9467	9561	94.00	59.37	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
08:20	08:30	0.17	9478	9478	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9478' Inc 1.89° Azm 196.81°
08:30	10:00	1.50	9561	9656	95.00	63.33	Drilling	Rotating	Drilling - (WOB:37.00;GPM :725.00;RPM:60)
10:00	10:10	0.17	9573	9573	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9573' Inc 2.15° Azm 196.81°
10:10	10:20	0.17	9656	9666	10.00	60.00	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
10:20	11:40	1.33	9666	9681	15.00	11.25	Sliding	Sliding	Sliding - (WOB:25.00;GPM :650;TFO:20M))
11:40	13:30	1.83	9681	9750	69.00	37.64	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
13:30	13:40	0.17	9667	9667	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9667' Inc 1.54° Azm 212.99°
13:40	15:40	2.00	9750	9845	95.00	47.50	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
15:40	16:00	0.33	9845	9845	0.00	0.00	Rig Service - Inhole	Non-Circulating	Rig Service-Inhole
16:00	16:10	0.17	9762	9762	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9762' Inc 1.19° Azm 227.14°
16:10	17:45	1.58	9845	9940	95.00	60.00	Drilling	Rotating	Drilling - (WOB:37.00;GPM :700.00;RPM:60)
17:45	17:55	0.17	9857	9857	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9857' Inc 0.66° Azm 188.73°
17:55	19:40	1.75	9940	10033	93.00	53.14	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)
19:40	19:45	0.08	9950	9950	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@9950' Inc 1.14° Azm 180.82°
19:45	21:25	1.67	10033	10128	95.00	57.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)
21:25	21:30	0.08	10045	10045	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@10045' Inc 1.63° Azm 174.75°
21:30	23:05	1.58	10128	10223	95.00	60.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)
23:05	23:10	0.08	10140	10140	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@10140' Inc 1.32° Azm 178.18°
23:10	23:59	0.83	10223	10265	42.00	50.40	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone		Company Man Night/Phone			

BHA #	4	Total Circulating Hours	8.92	Circulating Hours	3.58	Drilling Hours	5.33
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	00:00		Rotate Ft/Hrs	255.00	5.33	WOB Rot	35	35	Flow Rate	725	725	Bit Serial #	BHA #1	BHA #2
BHA Out	23:59		Avg ROP Rotate	47.84		Diff PSI Rot	350	350	Off Bttm SPP	0	0		4012333	
Start/End Depth	10,265	10,520	Rotate % Ft/Hrs	100	100	WOB Slide			On Bttm SPP	350	350		Motor Serial #	GDT20322
Total Drilled	255.00		Slide Ft/Hrs			Diff PSI Slide			RPM	60	60	Mud Properties In/Out		
Avg ROP	47.84		Avg ROP Slide			DLS Range			Off Bttm Tq	17,000	18,000	Mud Type		Sand
Circ Hours	3.58		Slide % Ft/Hrs			BHT Range	160	160	On Bttm Tq	17,000	18,000	Mud Wt		Solids
BRT	22.00					'MWD Tool Type' Survey Data					Mud Vis		PH	
Daily Cost			\$0.00			Bit to Survey	82.00		Bit to Gamma	66.00		Chlorides		Flow Temp
Cumulative Cost			\$0.00			Inc In/Out			AZM In/Out			% Oil		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	01:20	1.33	10265	10316	51.00	38.25	Drilling	Rotating	Drilling - (WOB:35.00;GPM :700.00;RPM:60)
01:20	01:25	0.08	10233	10233	0.00	0.00	Survey & Conn.	Circulating Only	Survey & Conn.@10233' Inc 1.05° Azm 180.38°
01:25	03:00	1.58	10316	10411	95.00	60.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :725.00;RPM:60)
03:00	05:05	2.08	10411	10505	94.00	45.12	Drilling	Rotating	Drilling - (WOB:35.00;GPM :725.00;RPM:60)
05:05	05:10	0.08	10505	10505	0.00	0.00	Circulating	Circulating Only	SPR
05:10	05:15	0.08	10505	10505	0.00	0.00	Connection	Non-Circulating	Connection
05:15	05:35	0.33	10505	10520	15.00	45.00	Drilling	Rotating	Drilling - (WOB:35.00;GPM :725.00;RPM:60)
05:35	05:40	0.08	10437	10437	0.00	0.00	MWD - Survey	Circulating Only	MWD Survey@10437' Inc 1.23° Azm 181.78°
05:40	09:00	3.33	10520	10520	0.00	0.00	Circulating	Circulating Only	Circulating
09:00	14:00	5.00	10520	10520	0.00	0.00	POOH	Non-Circulating	POOH
14:00	16:00	2.00	10520	10520	0.00	0.00	L/D DP		L/D BHA
16:00	23:59	8.00	10520	10520	0.00	0.00	Other	Non-Circulating	Casing Operations



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day		MWD Day		Engineer	
Directional Driller Night		MWD Night		Geologist	
Company Man Day/Phone		Company Man Night/Phone			

BHA #	4	Total Circulating Hours		Circulating Hours		Drilling Hours	
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In		Rotate Ft/Hrs		WOB Rot		Flow Rate		Bit Serial #	BHA #1	BHA #2	
BHA Out		Avg ROP Rotate		Diff PSI Rot		Off Bttm SPP		4012333			
Start/End Depth		Rotate % Ft/Hrs		WOB Slide		On Bttm SPP		Motor Serial #	GDT20322		
Total Drilled		Slide Ft/Hrs		Diff PSI Slide		RPM		Mud Properties In/Out			
Avg ROP		Avg ROP Slide		DLS Range		Off Bttm Tq		Mud Type		Sand	
Circ Hours		Slide % Ft/Hrs		BHT Range		On Bttm Tq		Mud Wt		Solids	
BRT				'MWD Tool Type' Survey Data				Mud Vis		PH	
Daily Cost	\$0.00			Bit to Survey	82.00	Bit to Gamma	66.00	Chlorides		Flow Temp	
Cumulative Cost	\$0.00			Inc In/Out		AZM In/Out		% Oil			

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	23:59	24.00	10520	10520	0.00	0.00	Other	Non-Circulating	Casing operations



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Chad Poole	361.446.0896	Company Man Night/Phone	Brian Blackledge	361.446.0896

BHA #	5	Total Circulating Hours		Circulating Hours		Drilling Hours	
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/16/2020	00:00	Rotate Ft/Hrs	WOB Rot		Flow Rate		Bit Serial #	BHA #1	BHA #2	
BHA Out	6/16/2020	23:59	Avg ROP Rotate	Diff PSI Rot		Off Bttm SPP		Motor Serial #	13274673		
Start/End Depth	10,520	10,520	Rotate % Ft/Hrs	WOB Slide		On Bttm SPP		Mud Properties In/Out			
Total Drilled	0.00		Slide Ft/Hrs	Diff PSI Slide		RPM		Mud Type	OBM	OBM	Sand
Avg ROP			Avg ROP Slide	DLS Range		Off Bttm Tq		Mud Wt	11.4	11.4	Solids
Circ Hours			Slide % Ft/Hrs	BHT Range	0	On Bttm Tq		Mud Vis	57	57	PH
BRT				'MWD Tool Type' Survey Data				Chlorides	37000	37000	Flow Temp
Daily Cost		\$131,511.90		Bit to Survey	54.00	Bit to Gamma	37.00	% Oil	80	80	
Cumulative Cost		\$131,511.90		Inc In/Out		AZM In/Out					

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	23:59	24.00	10520	10520	0.00	0.00	Standby		Standby For N/D B.O.P's, skid Rig, N/U B.O.P's, Test Same



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Chad Poole	361.446.0896	Company Man Night/Phone	Brian Blackledge	361.446.0896

BHA #	5	Total Circulating Hours	2.08	Circulating Hours	2.08	Drilling Hours	
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/17/2020	00:00	Rotate Ft/Hrs	WOB Rot		Flow Rate		Bit Serial #	BHA #1	BHA #2	
BHA Out	6/17/2020	23:59	Avg ROP Rotate	Diff PSI Rot		Off Bttm SPP		Motor Serial #	13274673		
Start/End Depth	10,520	10,520	Rotate % Ft/Hrs	WOB Slide		On Bttm SPP		Mud Properties In/Out			
Total Drilled	0.00		Slide Ft/Hrs	Diff PSI Slide		RPM		Mud Type	Brine	OBM	Sand
Avg ROP			Avg ROP Slide	DLS Range		Off Bttm Tq		Mud Wt	8.4	11.4	Solids
Circ Hours	2.08		Slide % Ft/Hrs	BHT Range	0	On Bttm Tq		Mud Vis	28	57	PH
BRT	3.17			'MWD Tool Type' Survey Data				Chlorides	4000	37000	Flow Temp
Daily Cost			\$3,200.00	Bit to Survey	54.00	Bit to Gamma	37.00	% Oil	0	80	
Cumulative Cost			\$134,711.90	Inc In/Out		AZM In/Out					

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	16:00	16.00	10520	10520	0.00	0.00	Standby		Standby For Testing Of B.O.P.'s
16:00	17:10	1.17	10520	10520	0.00	0.00	Pick up BHA	ART	P/U BHA #5, Scribe, Install MSS, Install MWD Tool
17:10	17:20	0.17	10520	10520	0.00	0.00	Circulating	Circulating Only	Test MWD Tool And Motor
17:20	20:10	2.83	10520	10520	0.00	0.00	TIH		T.I.H. With BHA #5
20:10	20:50	0.67	10520	10520	0.00	0.00	Circulating	Circulating Only	Test CSG Before DV Tool
20:50	21:20	0.50	10520	10520	0.00	0.00	Rig Service - Inhole	Non-Circulating	Rig Service
21:20	22:20	1.00	10520	10520	0.00	0.00	Drilling Cement	Circulating Only	Drill Out DV Tool
22:20	22:35	0.25	10520	10520	0.00	0.00	Circulating	Circulating Only	Circulate
22:35	23:25	0.83	10520	10520	0.00	0.00	Circulating		Test CSG After DV Tool
23:25	23:59	0.58	10520	10520	0.00	0.00	Other - No Circ	Non-Circulating	Slip and Cut Drill Line



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Gary / Robert	Company Man Night/Phone	Brian Blackledge	361.446.0896	

BHA #	5	Total Circulating Hours	16.83	Circulating Hours	6.92	Drilling Hours	9.92
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/18/2020 00:00	Rotate Ft/Hrs	135.00 3.50	WOB Rot	20 30	Flow Rate	400 576	Bit Serial #	BHA #1	BHA #2	
BHA Out	6/18/2020 23:59	Avg ROP Rotate	38.57	Diff PSI Rot	200 500	Off Bttm SPP	2,500 4,000	Motor Serial #	13274673		
Start/End Depth	10,520 10,807	Rotate % Ft/Hrs	47 35	WOB Slide	35 35	On Bttm SPP	2,700 4,250	Mud Properties In/Out			
Total Drilled	287.00	Slide Ft/Hrs	152.00 6.42	Diff PSI Slide	250 250	RPM	20 30	Mud Type	OBM OBM	Sand	0 0
Avg ROP	28.93	Avg ROP Slide	23.68	DLS Range	0.02 - 2.68	Off Bttm Tq	15,000 15,000	Mud Wt	11.4 11.4	Solids	19.5 20
Circ Hours	6.92	Slide % Ft/Hrs	52.96 64.71	BHT Range	158 162	On Bttm Tq	15,000 15,000	Mud Vis	58 57	PH	1.1 1.3
BRT	24.00										
Daily Cost		\$2,499.77									
Cumulative Cost		\$137,211.67									
				'MWD Tool Type' Survey Data							
Bit to Survey		54.00		Bit to Gamma		37.00					
Inc In/Out		1.67 3.93		AZM In/Out		212.65 186.10					

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	01:25	1.42	10520	10520	0.00	0.00	Other - No Circ	Non-Circulating	Slip And Cut Drill Line
01:25	04:30	3.08	10520	10520	0.00	0.00	TIH	Non-Circulating	T.I.H. With BHA #5
04:30	08:00	3.50	10520	10520	0.00	0.00	Circulating	Circulating Only	Displacing With OBM
08:00	09:00	1.00	10520	10520	0.00	0.00	Drilling Cement	Circulating Only	Float Equipment
09:00	09:15	0.25	10520	10532	12.00	48.00	Rotating	Rotating	Rotate
09:15	09:20	0.08	10532	10532	0.00	0.00	Connection	Non-Circulating	Connection
09:20	09:30	0.17	10532	10546	14.00	84.00	Rotating	Rotating	Rotate
09:30	10:55	1.42	10546	10546	0.00	0.00	Circulating	Circulating Only	Circulating
10:55	11:25	0.50	10546	10546	0.00	0.00	Other - No Circ	Non-Circulating	FI Test
11:25	12:05	0.67	10546	10558	12.00	18.00	Rotating	Rotating	Rotate
12:05	14:10	2.08	10558	10558	0.00	0.00	Rig Repair	Non-Circulating	Rig Repair On accumulator
14:10	15:45	1.58	10558	10629	71.00	44.84	Rotating	Rotating	Rotate
15:45	15:55	0.17	10629	10629	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 10575
15:55	16:30	0.58	10629	10645	16.00	27.43	Rotating	Rotating	Rotate
16:30	20:20	3.83	10645	10724	79.00	20.61	Sliding	Sliding	Sliding
20:20	20:55	0.58	10724	10724	0.00	0.00	Rig Service - Inhole	Circulating Only	Rig service / SPR
20:55	21:10	0.25	10724	10724	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 10670
21:10	21:25	0.25	10724	10734	10.00	40.00	Rotating	Rotating	Rotate
21:25	23:59	2.58	10734	10807	73.00	28.26	Sliding	Sliding	Sliding



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Gary / Robert	Company Man Night/Phone	Brian Blackledge	361.446.0896	

BHA #	5	Total Circulating Hours	24.00	Circulating Hours	3.33	Drilling Hours	20.67
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/19/2020 00:00	Rotate Ft/Hrs	802.00 10.17	WOB Rot	35 45	Flow Rate	525 575	Bit Serial #	BHA #1	BHA #2	
BHA Out	6/19/2020 23:59	Avg ROP Rotate	78.86	Diff PSI Rot	300 450	Off Bttm SPP	4,000 4,300		13274673		
Start/End Depth	10,807 12,198	Rotate % Ft/Hrs	58 49	WOB Slide	35 45	On Bttm SPP	4,250 4,700	Motor Serial #	BPG2650-0016		
Total Drilled	1,391.00	Slide Ft/Hrs	589.00 10.50	Diff PSI Slide	250 400	RPM	20 50	Mud Properties In/Out			
Avg ROP	67.30	Avg ROP Slide	56.10	DLS Range	1.65 - 14.02	Off Bttm Tq	16,500 26,500	Mud Type	OBM OBM	Sand	0 0
Circ Hours	3.33	Slide % Ft/Hrs	42.34 50.81	BHT Range	167 183	On Bttm Tq	16,500 26,500	Mud Wt	11.4 11.4	Solids	19.5 20
BRT	24.00			'MWD Tool Type' Survey Data				Mud Vis	58 57	PH	1.1 1.3
Daily Cost		\$12,115.61		Bit to Survey	54.00	Bit to Gamma	37.00	Chlorides	34000 37000	Flow Temp	115 0
Cumulative Cost		\$149,327.28		Inc In/Out	17.06 90.42	AZM In/Out	178.33 178.94	% Oil	80 80		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:30	0.50	10807	10818	11.00	22.00	Sliding	Sliding	Sliding
00:30	00:45	0.25	10818	10818	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 10764
00:45	01:45	1.00	10818	10878	60.00	60.00	Rotating	Rotating	Rotate
01:45	02:25	0.67	10878	10912	34.00	51.00	Sliding	Sliding	Sliding
02:25	02:40	0.25	10912	10912	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 10858
02:40	03:00	0.33	10912	10942	30.00	90.00	Rotating	Rotating	Rotate
03:00	04:00	1.00	10942	11006	64.00	64.00	Sliding	Sliding	Sliding
04:00	04:15	0.25	11006	11006	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 10952
04:15	04:40	0.42	11006	11046	40.00	96.00	Rotating	Rotating	Rotate
04:40	05:25	0.75	11046	11100	54.00	72.00	Sliding	Sliding	Sliding
05:25	05:35	0.17	11100	11100	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11046
05:35	06:10	0.58	11100	11150	50.00	85.71	Rotating	Rotating	Rotate
06:10	07:00	0.83	11150	11195	45.00	54.00	Sliding	Sliding	Sliding
07:00	07:10	0.17	11195	11195	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11141
07:10	07:25	0.25	11195	11215	20.00	80.00	Rotating	Rotating	Rotate
07:25	08:40	1.25	11215	11288	73.00	58.40	Sliding	Sliding	Sliding
08:40	08:50	0.17	11288	11288	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11234
08:50	09:15	0.42	11288	11318	30.00	72.00	Rotating	Rotating	Rotate
09:15	10:25	1.17	11318	11383	65.00	55.71	Sliding	Sliding	Sliding
10:25	10:35	0.17	11383	11383	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11329
10:35	10:40	0.08	11383	11393	10.00	120.00	Rotating	Rotating	Rotate
10:40	12:10	1.50	11393	11478	85.00	56.67	Sliding	Sliding	Sliding
12:10	12:20	0.17	11478	11478	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11424
12:20	13:00	0.67	11478	11518	40.00	60.00	Rotating	Rotating	Rotate
13:00	13:55	0.92	11518	11573	55.00	60.00	Sliding	Sliding	Sliding
13:55	14:05	0.17	11573	11573	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11519
14:05	14:30	0.42	11573	11608	35.00	84.00	Sliding	Sliding	Sliding
14:30	15:20	0.83	11608	11667	59.00	70.80	Rotating	Rotating	Rotate
15:20	15:30	0.17	11667	11667	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11613
15:30	16:25	0.92	11667	11762	95.00	103.64	Rotating	Rotating	Rotate
16:25	17:00	0.58	11762	11762	0.00	0.00	Rig Service - Inhole	Circulating Only	Rig Service
17:00	17:10	0.17	11762	11762	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11708
17:10	17:20	0.17	11762	11772	10.00	60.00	Rotating	Rotating	Rotate
17:20	17:45	0.42	11772	11797	25.00	60.00	Sliding	Sliding	Sliding
17:45	18:30	0.75	11797	11856	59.00	78.67	Rotating	Rotating	Rotate
18:30	18:40	0.17	11856	11856	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11802
18:40	19:45	1.08	11856	11950	94.00	86.77	Rotating	Rotating	Rotate
19:45	19:55	0.17	11950	11950	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11896
19:55	20:00	0.08	11950	11965	15.00	180.01	Rotating	Rotating	Rotate
20:00	20:30	0.50	11965	11983	18.00	36.00	Sliding	Sliding	Sliding
20:30	21:05	0.58	11983	12045	62.00	106.29	Rotating	Rotating	Rotate
21:05	21:15	0.17	12045	12045	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 11991
21:15	21:20	0.08	12045	12055	10.00	120.00	Rotating	Rotating	Rotate
21:20	21:55	0.58	12055	12080	25.00	42.86	Sliding	Sliding	Sliding
21:55	22:40	0.75	12080	12139	59.00	78.67	Rotating	Rotating	Rotate
22:40	22:50	0.17	12139	12139	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12085
22:50	23:59	1.17	12139	12198	59.00	50.57	Rotating	Rotating	Rotate



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Gary	Company Man Night/Phone		Robert	

BHA #	5	Total Circulating Hours	20.00	Circulating Hours	5.92	Drilling Hours	14.08
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/20/2020 00:00	Rotate Ft/Hrs	853.00 11.42	WOB Rot	35 35	Flow Rate	525 575	Bit Serial #	BHA #1	BHA #2	
BHA Out	6/20/2020 23:59	Avg ROP Rotate	74.69	Diff PSI Rot	400 450	Off Bttm SPP	4,000 4,300		13274673		
Start/End Depth	12,198 13,116	Rotate % Ft/Hrs	93 81	WOB Slide	35 35	On Bttm SPP	4,300 4,700	Motor Serial #	BPG2650-0016		
Total Drilled	918.00	Slide Ft/Hrs	65.00 2.67	Diff PSI Slide	300 300	RPM	50 50	Mud Properties In/Out			
Avg ROP	65.20	Avg ROP Slide	24.35	DLS Range	0.09 - 5.77	Off Bttm Tq	26,500 28,000	Mud Type	OBM OBM	Sand	0 0
Circ Hours	5.92	Slide % Ft/Hrs	7.08 18.94	BHT Range	181 198	On Bttm Tq	26,500 28,000	Mud Wt	11.4 11.3	Solids	19.5 19
BRT	24.00			'MWD Tool Type' Survey Data				Mud Vis	58 47	PH	1.1 2.2
Daily Cost		\$7,995.78		Bit to Survey	54.00	Bit to Gamma	37.00	Chlorides	34000 34000	Flow Temp	115 157
Cumulative Cost		\$157,323.06		Inc In/Out	89.97 87.37	AZM In/Out	179.82 178.19	% Oil	80 80		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:35	0.58	12198	12234	36.00	61.71	Rotating	Rotating	Rotate
00:35	00:45	0.17	12234	12234	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12180
00:45	02:25	1.67	12234	12329	95.00	57.00	Rotating	Rotating	Rotate
02:25	02:35	0.17	12329	12329	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12275
02:35	03:35	1.00	12329	12424	95.00	95.00	Rotating	Rotating	Rotate
03:35	03:45	0.17	12424	12424	0.00	0.00	MWD - Survey (MP)	Circulating Only	@12370
03:45	03:50	0.08	12424	12434	10.00	120.00	Rotating	Rotating	Rotate
03:50	04:25	0.58	12434	12459	25.00	42.86	Sliding	Sliding	Sliding
04:25	05:30	1.08	12459	12519	60.00	55.38	Rotating	Rotating	Rotate
05:30	05:40	0.17	12519	12519	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12465
05:40	06:45	1.08	12519	12614	95.00	87.69	Rotating	Rotating	Rotate
06:45	06:55	0.17	12614	12614	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12560
06:55	08:15	1.33	12614	12708	94.00	70.50	Rotating	Rotating	Rotate
08:15	08:25	0.17	12708	12708	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12654
08:25	09:35	1.17	12708	12803	95.00	81.43	Rotating	Rotating	Rotate
09:35	09:45	0.17	12803	12803	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12749
09:45	10:00	0.25	12803	12813	10.00	40.00	Rotating	Rotating	Rotate
10:00	10:40	0.67	12813	12833	20.00	30.00	Sliding	Sliding	Sliding
10:40	11:30	0.83	12833	12898	65.00	78.00	Rotating	Rotating	Rotate
11:30	11:40	0.17	12898	12898	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12844
11:40	12:50	1.17	12898	12993	95.00	81.43	Rotating	Rotating	Rotate
12:50	13:20	0.50	12993	12993	0.00	0.00	Rig Service - Inhole	Circulating Only	Rig Service
13:20	13:30	0.17	12993	12993	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 12939
13:30	14:00	0.50	12993	12993	0.00	0.00	Circulating	Circulating Only	Activate Agitator
14:00	14:15	0.25	12993	13003	10.00	40.00	Rotating	Rotating	Rotate
14:15	15:40	1.42	13003	13023	20.00	14.12	Sliding	Sliding	Sliding
15:40	16:10	0.50	13023	13087	64.00	128.00	Rotating	Rotating	Rotate
16:10	16:20	0.17	13087	13087	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13033
16:20	16:45	0.42	13087	13116	29.00	69.60	Rotating	Rotating	Rotate
16:45	17:35	0.83	13116	13116	0.00	0.00	Circulating	Circulating Only	Circulating To P.O.O.H. Fore Top Drive Issue
17:35	20:00	2.42	13116	13116	0.00	0.00	POOH	Circulating Only	P.O.O.H.
20:00	20:05	0.08	13116	13116	0.00	0.00	Other - No Circ	Non-Circulating	Flow Check
20:05	21:05	1.00	13116	13116	0.00	0.00	Rig Repair	Non-Circulating	Change Out Top Drive Encoder
21:05	23:59	2.92	13116	13116	0.00	0.00	POOH	Non-Circulating	P.O.O.H.



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Gary	Company Man Night/Phone		Robert	

BHA #	6	Total Circulating Hours	12.42	Circulating Hours	5.17	Drilling Hours	7.25
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/21/2020	00:00	Rotate Ft/Hrs	735.00	4.17	WOB Rot	35 35	Flow Rate	525	575	
BHA Out	6/21/2020	23:59	Avg ROP Rotate	176.26		Diff PSI Rot	500 5,100	Off Bttm SPP	500	4,900	
Start/End Depth	13,116	13,941	Rotate % Ft/Hrs	89	57	WOB Slide	30 30	On Bttm SPP	4,800	5,600	
Total Drilled	825.00		Slide Ft/Hrs	90.00	3.08	Diff PSI Slide	200 200	RPM	80	80	
Avg ROP	113.79		Avg ROP Slide	29.22		DLS Range	0.20 - 2.50	Off Bttm Tq	20,000	23,000	
Circ Hours	5.17		Slide % Ft/Hrs	10.91	42.53	BHT Range	189 203	On Bttm Tq	20,000	23,000	
BRT	15.00					MWD Tool Type Survey Data					
Daily Cost			\$27,205.75			Bit to Survey	60.00	Bit to Gamma	44.00		
Cumulative Cost			\$184,528.81			Inc In/Out	87.00 91.40	AZM In/Out	177.20 182.18		
						Mud Properties In/Out					
Mud Type	OBM	OBM	Sand	0	0	Mud Wt	11.4	11.3	Solids	19.5	17.4
Mud Vis	58	54	PH	1.1	1.8	Chlorides	34000	37000	Flow Temp	115	155
% Oil	80	79									

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	02:10	2.17	13116	13116	0.00	0.00	POOH	Non-Circulating	P.O.O.H.
02:10	03:10	1.00	13116	13116	0.00	0.00	Lay Down BHA	ART	L/D BHA #5
03:10	04:25	1.25	13116	13116	0.00	0.00	Pick up BHA	ART	P/U BHA #6, Install MWD tool, Tighten Lockdown Nut
04:25	04:35	0.17	13116	13116	0.00	0.00	Circulating	Circulating Only	Test MWD Tool And Motor
04:35	05:00	0.42	13116	13116	0.00	0.00	Other	Non-Circulating	M/U Bit And P/U NM DC
05:00	11:45	6.75	13116	13116	0.00	0.00	TIH		T.I.H. With BHA #6 Latt. Assem.
11:45	13:00	1.25	13116	13116	0.00	0.00	Circulating	Circulating Only	Circulate Bottoms Up
13:00	15:00	2.00	13116	13116	0.00	0.00	Reaming	Circulating Only	Ream F/ 12100 T/ 13116
15:00	15:35	0.58	13116	13183	67.00	114.86	Rotating	Rotating	Rotate
15:35	15:55	0.33	13183	13183	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13123
15:55	16:05	0.17	13183	13193	10.00	60.00	Rotating	Rotating	Rotate
16:05	16:45	0.67	13193	13218	25.00	37.50	Sliding	Sliding	Sliding
16:45	17:10	0.42	13218	13278	60.00	144.00	Rotating	Rotating	Rotate
17:10	17:20	0.17	13278	13278	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13218
17:20	17:30	0.17	13278	13288	10.00	60.00	Rotating	Rotating	Rotate
17:30	18:00	0.50	13288	13308	20.00	40.00	Sliding	Sliding	Sliding
18:00	18:20	0.33	13308	13373	65.00	195.00	Rotating	Rotating	Rotate
18:20	18:30	0.17	13373	13373	0.00	0.00	Circulating	Circulating Only	SPR
18:30	18:40	0.17	13373	13373	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13313
18:40	19:00	0.33	13373	13468	95.00	285.00	Rotating	Rotating	Rotate
19:00	19:10	0.17	13468	13468	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13408
19:10	19:30	0.33	13468	13562	94.00	282.00	Rotating	Rotating	Rotate
19:30	19:40	0.17	13562	13562	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13502
19:40	19:45	0.08	13562	13572	10.00	120.00	Rotating	Rotating	Rotate
19:45	20:55	1.17	13572	13597	25.00	21.43	Sliding	Sliding	Sliding
20:55	21:20	0.42	13597	13657	60.00	144.00	Rotating	Rotating	Rotate
21:20	21:30	0.17	13657	13657	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13597
21:30	21:35	0.08	13657	13667	10.00	120.00	Rotating	Rotating	Rotate
21:35	22:20	0.75	13667	13687	20.00	26.67	Sliding	Sliding	Sliding
22:20	22:50	0.50	13687	13751	64.00	128.00	Rotating	Rotating	Rotate
22:50	23:00	0.17	13751	13751	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13691
23:00	23:25	0.42	13751	13846	95.00	228.00	Rotating	Rotating	Rotate
23:25	23:35	0.17	13846	13846	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13786
23:35	23:55	0.33	13846	13941	95.00	285.00	Rotating	Rotating	Rotate
23:55	23:59	0.08	13941	13941	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13881



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Gary	Company Man Night/Phone		Robert	

BHA #	6	Total Circulating Hours	23.58	Circulating Hours	4.17	Drilling Hours	19.42
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Time and Depths						Drilling Parameters Min/Max						BHA Data					
BHA In	6/22/2020	00:00	Rotate Ft/Hrs	2,345.00	12.83	WOB Rot	35	45	Flow Rate	575	575	Bit Serial #	BHA #1		BHA #2		
BHA Out	6/22/2020	23:59	Avg ROP Rotate	182.78		Diff PSI Rot	600	650	Off Bttm SPP	5,000	5,200		5307916				
Start/End Depth	13,941	16,429	Rotate % Ft/Hrs	94	66	WOB Slide	25	44	On Bttm SPP	5,350	5,850		XTOGDT16512				
Total Drilled	2,488.00		Slide Ft/Hrs	143.00	6.58	Diff PSI Slide	150	350	RPM	80	80		Mud Properties In/Out				
Avg ROP	128.12		Avg ROP Slide	21.73		DLS Range	0.26 - 2.38		Off Bttm Tq	23,000 26,000		Mud Type	OBM	OBM	Sand	0	0
Circ Hours	4.17		Slide % Ft/Hrs	5.75 33.91		BHT Range	203 217		On Bttm Tq	23,000 26,000		Mud Wt	11.4 11.3		Solids	17.0	19
BRT	23.58					'MWD Tool Type' Survey Data											
Daily Cost			\$25,651.28			Bit to Survey	60.00		Bit to Gamma	44.00		Mud Vis	58 48		PH	1.1	1.7
Cumulative Cost			\$210,180.09			Inc In/Out	91.09	90.78	AZM In/Out	181.93 180.57		Chlorides	34000 35000		Flow Temp	115	166
												% Oil	80 80				

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:40	0.67	13941	14036	95.00	142.50	Rotating	Rotating	Rotate
00:40	00:50	0.17	14036	14036	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 13976
00:50	01:15	0.42	14036	14130	94.00	225.60	Rotating	Rotating	Rotate
01:15	01:25	0.17	14130	14130	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14070
01:25	01:50	0.42	14130	14225	95.00	228.00	Rotating	Rotating	Rotate
01:50	02:00	0.17	14225	14225	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14165
02:00	02:35	0.58	14225	14318	93.00	159.43	Rotating	Rotating	Rotate
02:35	02:45	0.17	14318	14318	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14258
02:45	03:15	0.50	14318	14413	95.00	190.00	Rotating	Rotating	Rotate
03:15	03:25	0.17	14413	14413	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14353
03:25	03:30	0.08	14413	14423	10.00	120.00	Rotating	Rotating	Rotate
03:30	04:30	1.00	14423	14448	25.00	25.00	Sliding	Sliding	Sliding
04:30	04:50	0.33	14448	14507	59.00	177.00	Rotating	Rotating	Rotate
04:50	05:00	0.17	14507	14507	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14447
05:00	05:25	0.42	14507	14601	94.00	225.60	Rotating	Rotating	Rotate
05:25	05:35	0.17	14601	14601	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14541
05:35	06:00	0.42	14601	14696	95.00	228.00	Rotating	Rotating	Rotate
06:00	06:10	0.17	14696	14696	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14636
06:10	06:30	0.33	14696	14792	96.00	288.00	Rotating	Rotating	Rotate
06:30	06:40	0.17	14792	14792	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14732
06:40	07:10	0.50	14792	14886	94.00	188.00	Rotating	Rotating	Rotate
07:10	07:20	0.17	14886	14886	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14826
07:20	07:50	0.50	14886	14981	95.00	190.00	Rotating	Rotating	Rotate
07:50	08:00	0.17	14981	14981	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 14921
08:00	08:10	0.17	14981	15001	20.00	120.00	Rotating	Rotating	Rotate
08:10	09:00	0.83	15001	15021	20.00	24.00	Sliding	Sliding	Sliding
09:00	09:20	0.33	15021	15076	55.00	165.00	Rotating	Rotating	Rotate
09:20	09:30	0.17	15076	15076	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15016
09:30	10:00	0.50	15076	15172	96.00	192.00	Rotating	Rotating	Rotate
10:00	10:10	0.17	15172	15172	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15112
10:10	10:30	0.33	15172	15266	94.00	282.00	Rotating	Rotating	Rotate
10:30	10:40	0.17	15266	15266	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15206
10:40	10:50	0.17	15266	15276	10.00	60.00	Rotating	Rotating	Rotate
10:50	11:30	0.67	15276	15296	20.00	30.00	Sliding	Sliding	Sliding
11:30	12:00	0.50	15296	15361	65.00	130.00	Rotating	Rotating	Rotate
12:00	12:10	0.17	15361	15361	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15301
12:10	13:10	1.00	15361	15551	190.00	190.00	Rotating	Rotating	Rotate
13:10	13:20	0.17	15551	15551	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15491
13:20	13:55	0.58	15551	15646	95.00	162.86	Rotating	Rotating	Rotate
13:55	14:05	0.17	15646	15646	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15586
14:05	14:30	0.42	15646	15741	95.00	228.00	Rotating	Rotating	Rotate
14:30	14:40	0.17	15741	15741	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15681
14:40	15:10	0.50	15741	15835	94.00	188.00	Rotating	Rotating	Rotate
15:10	15:20	0.17	15835	15835	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15775
15:20	15:30	0.17	15835	15845	10.00	60.00	Rotating	Rotating	Rotate
15:30	16:15	0.75	15845	15865	20.00	26.67	Sliding	Sliding	Sliding
16:15	16:40	0.42	15865	15930	65.00	156.00	Rotating	Rotating	Rotate

16:40	17:05	0.42	15930	15930	0.00	0.00	Rig Service - Inhole		Rig Service
17:05	17:15	0.17	15930	15930	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15870
17:15	17:30	0.25	15930	16024	94.00	376.00	Rotating	Rotating	Rotate
17:30	17:40	0.17	16024	16024	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 15964
17:40	18:15	0.58	16024	16119	95.00	162.86	Rotating	Rotating	Rotate
18:15	18:25	0.17	16119	16119	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16059
18:25	18:50	0.42	16119	16213	94.00	225.60	Rotating	Rotating	Rotate
18:50	19:00	0.17	16213	16213	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16153
19:00	19:05	0.08	16213	16223	10.00	120.00	Rotating	Rotating	Rotate
19:05	20:15	1.17	16223	16243	20.00	17.14	Sliding	Sliding	Sliding
20:15	20:40	0.42	16243	16307	64.00	153.60	Rotating	Rotating	Rotate
20:40	20:50	0.17	16307	16307	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16247
20:50	20:55	0.08	16307	16317	10.00	120.00	Rotating	Rotating	Rotate
20:55	22:00	1.08	16317	16337	20.00	18.46	Sliding	Sliding	Sliding
22:00	22:40	0.67	16337	16401	64.00	96.00	Rotating	Rotating	Rotate
22:40	22:50	0.17	16401	16401	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16341
22:50	22:55	0.08	16401	16411	10.00	120.00	Rotating	Rotating	Rotate
22:55	23:59	1.08	16411	16429	18.00	16.62	Sliding	Sliding	Sliding



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Gary	Company Man Night/Phone		Robert	

BHA #	6	Total Circulating Hours	18.25	Circulating Hours	3.25	Drilling Hours	15.00
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/23/2020 00:00	Rotate Ft/Hrs	1,667.00	10.42	WOB Rot	40	40	Flow Rate	525	575	
BHA Out	6/23/2020 23:59	Avg ROP Rotate	159.98		Diff PSI Rot	600	600	Off Bttm SPP	4,900	5,200	
Start/End Depth	16,429	18,173	Rotate % Ft/Hrs	96	69	WOB Slide	25	25	On Bttm SPP	5,100	5,800
Total Drilled	1,744.00		Slide Ft/Hrs	77.00	4.58	Diff PSI Slide	150	200	RPM	80	80
Avg ROP	116.27		Avg ROP Slide	16.81		DLS Range	0.36	3.02	Off Bttm Tq	24,500	26,500
Circ Hours	3.25		Slide % Ft/Hrs	4.42	30.56	BHT Range	201	221	On Bttm Tq	24,500	26,500
BRT	23.83					'MWD Tool Type' Survey Data					
Daily Cost		\$18,280.64		Bit to Survey		60.00	Bit to Gamma		44.00		
Cumulative Cost		\$228,460.73		Inc In/Out		90.59	89.72	AZM In/Out		177.93	182.20

Bit Serial #	5307916	BHA #1		BHA #2	
Motor Serial #	XTOGDT16512				

Mud Properties In/Out							
Mud Type	OBM	OBM	Sand	0	0		
Mud Wt	11.4	11.25	Solids	17.0	19	5	
Mud Vis	58	49	PH	1.1	1.7		
Chlorides	34000	37000	Flow Temp	115	159		
% Oil	80	80					

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:25	0.42	16429	16436	7.00	16.80	Sliding	Sliding	Sliding
00:25	00:55	0.50	16436	16496	60.00	120.00	Rotating	Rotating	Rotate
00:55	01:05	0.17	16496	16496	0.00	0.00	MWD - Downlink (Pumps, RPM - Circ)		Downlink MWD Tool From .65 To 1.0 Pulse Width
01:05	01:15	0.17	16496	16496	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16436
01:15	01:40	0.42	16496	16591	95.00	228.00	Rotating	Rotating	Rotate
01:40	01:50	0.17	16591	16591	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16531
01:50	02:15	0.42	16591	16685	94.00	225.60	Rotating	Rotating	Rotate
02:15	02:25	0.17	16685	16685	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16625
02:25	03:05	0.67	16685	16780	95.00	142.50	Rotating	Rotating	Rotate
03:05	03:15	0.17	16780	16780	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16720
03:15	03:50	0.58	16780	16875	95.00	162.86	Rotating	Rotating	Rotate
03:50	04:00	0.17	16875	16875	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16815
04:00	04:35	0.58	16875	16970	95.00	162.86	Rotating	Rotating	Rotate
04:35	04:45	0.17	16970	16970	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 16910
04:45	05:20	0.58	16970	17064	94.00	161.14	Rotating	Rotating	Rotate
05:20	05:30	0.17	17064	17064	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17004
05:30	06:00	0.50	17064	17158	94.00	188.00	Rotating	Rotating	Rotate
06:00	06:10	0.17	17158	17158	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17098
06:10	06:35	0.42	17158	17253	95.00	228.00	Rotating	Rotating	Rotate
06:35	06:45	0.17	17253	17253	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17193
06:45	06:50	0.08	17253	17263	10.00	120.00	Rotating	Rotating	Rotate
06:50	07:25	0.58	17263	17276	13.00	22.29	Sliding	Sliding	Sliding
07:25	13:00	5.58	17276	17276	0.00	0.00	Rig Repair	Non-Circulating	Mud Pump 1-3
13:00	13:45	0.75	17276	17288	12.00	16.00	Sliding	Sliding	Sliding
13:45	14:20	0.58	17288	17347	59.00	101.14	Rotating	Rotating	Rotate
14:20	14:30	0.17	17347	17347	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17287
14:30	15:00	0.50	17347	17442	95.00	190.00	Rotating	Rotating	Rotate
15:00	15:10	0.17	17442	17442	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17382
15:10	15:15	0.08	17442	17459	17.00	204.01	Rotating	Rotating	Rotate
15:15	16:00	0.75	17459	17479	20.00	26.67	Sliding	Sliding	Sliding
16:00	16:40	0.67	17479	17537	58.00	87.00	Rotating	Rotating	Rotate
16:40	16:50	0.17	17537	17537	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17477
16:50	17:15	0.42	17537	17631	94.00	225.60	Rotating	Rotating	Rotate
17:15	17:25	0.17	17631	17631	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17571
17:25	18:05	0.67	17631	17726	95.00	142.50	Rotating	Rotating	Rotate
18:05	18:25	0.33	17726	17726	0.00	0.00	MWD - Recycle	Circulating Only	Recycle
18:25	18:30	0.08	17726	17726	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17666
18:30	19:10	0.67	17726	17820	94.00	141.00	Rotating	Rotating	Rotate
19:10	19:20	0.17	17820	17820	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17760
19:20	19:50	0.50	17820	17914	94.00	188.00	Rotating	Rotating	Rotate
19:50	20:00	0.17	17914	17914	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17854
20:00	20:30	0.50	17914	18009	95.00	190.00	Rotating	Rotating	Rotate
20:30	20:40	0.17	18009	18009	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 17949
20:40	21:20	0.67	18009	18103	94.00	141.00	Rotating	Rotating	Rotate
21:20	21:30	0.17	18103	18103	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18043
21:30	21:40	0.17	18103	18121	18.00	108.00	Rotating	Rotating	Rotate
21:40	23:45	2.08	18121	18146	25.00	12.00	Sliding	Sliding	Sliding

23:45	23:59	0.25	18146	18173	27.00	108.00	Rotating	Rotating	Rotate
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DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Gary	Company Man Night/Phone		Robert	

BHA #	6	Total Circulating Hours	23.25	Circulating Hours	5.58	Drilling Hours	17.67
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/24/2020 00:00	Rotate Ft/Hrs	1,438.00 11.17	WOB Rot	35 40	Flow Rate	525 575	Bit Serial #	BHA #1	BHA #2	
BHA Out	6/24/2020 23:59	Avg ROP Rotate	128.74	Diff PSI Rot	600 650	Off Bttm SPP	5,000 6,050		5307916		
Start/End Depth	18,173 19,711	Rotate % Ft/Hrs	93 63	WOB Slide	20 35	On Bttm SPP	5,350 6,700	Motor Serial #	XTOGDT16512		
Total Drilled	1,538.00	Slide Ft/Hrs	100.00 6.50	Diff PSI Slide	150 150	RPM	80 80	Mud Properties In/Out			
Avg ROP	87.04	Avg ROP Slide	15.39	DLS Range	0.17 - 2.45	Off Bttm Tq	24,000 26,500	Mud Type	OBM OBM	Sand	0 0
Circ Hours	5.58	Slide % Ft/Hrs	6.50 36.79	BHT Range	212 225	On Bttm Tq	24,000 26,500	Mud Wt	11.4 11.6	Solids	17.0 20 5
BRT	23.50			'MWD Tool Type' Survey Data				Mud Vis	58 49	PH	1.1 1.4
Daily Cost	\$15,856.78			Bit to Survey	60.00	Bit to Gamma	44.00	Chlorides	34000 35000	Flow Temp	115 132
Cumulative Cost	\$244,317.51			Inc In/Out	90.64 90.08	AZM In/Out	181.66 181.55	% Oil	80 80		

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:10	0.17	18173	18197	24.00	144.00	Rotating	Rotating	Rotate
00:10	00:20	0.17	18197	18197	0.00	0.00	Circulating	Circulating Only	Recycle Due to Air In Pump
00:20	00:30	0.17	18197	18197	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18137
00:30	01:15	0.75	18197	18292	95.00	126.67	Rotating	Rotating	Rotate
01:15	01:25	0.17	18292	18292	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18232
01:25	02:00	0.58	18292	18387	95.00	162.86	Rotating	Rotating	Rotate
02:00	02:10	0.17	18387	18387	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18327
02:10	02:20	0.17	18387	18403	16.00	96.00	Rotating	Rotating	Rotate
02:20	02:35	0.25	18403	18405	2.00	8.00	Sliding	Sliding	Sliding
02:35	02:50	0.25	18405	18405	0.00	0.00	Rig Repair	Non-Circulating	Working On Pump
02:50	03:05	0.25	18405	18405	0.00	0.00	Circulating	Circulating Only	Circulating Gas
03:05	04:20	1.25	18405	18423	18.00	14.40	Sliding	Sliding	Sliding
04:20	04:45	0.42	18423	18482	59.00	141.60	Rotating	Rotating	Rotate
04:45	04:55	0.17	18482	18482	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18422
04:55	05:25	0.50	18482	18577	95.00	190.00	Rotating	Rotating	Rotate
05:25	05:35	0.17	18577	18577	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18517
05:35	05:50	0.25	18577	18648	71.00	284.00	Rotating	Rotating	Rotate
05:50	06:00	0.17	18648	18648	0.00	0.00	Circulating	Circulating Only	Circulating Gas
06:00	06:15	0.25	18648	18672	24.00	96.00	Rotating	Rotating	Rotate
06:15	06:25	0.17	18672	18672	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18612
06:25	07:05	0.67	18672	18767	95.00	142.50	Rotating	Rotating	Rotate
07:05	07:45	0.67	18767	18767	0.00	0.00	Circulating	Circulating Only	Circulating out Gas
07:45	07:55	0.17	18767	18767	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18707
07:55	08:10	0.25	18767	18780	13.00	52.00	Rotating	Rotating	Rotate
08:10	08:25	0.25	18780	18783	3.00	12.00	Sliding	Sliding	Sliding
08:25	09:20	0.92	18783	18783	0.00	0.00	Circulating	Circulating Only	Circulating Connection Gas
09:20	10:00	0.67	18783	18800	17.00	25.50	Sliding	Sliding	Sliding
10:00	10:50	0.83	18800	18862	62.00	74.40	Rotating	Rotating	Rotate
10:50	11:00	0.17	18862	18862	0.00	0.00	Rotating	Rotating	Rotate
11:00	11:10	0.17	18862	18862	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18802
11:10	11:20	0.17	18862	18872	10.00	60.00	Rotating	Rotating	Rotate
11:20	12:45	1.42	18872	18892	20.00	14.12	Sliding	Sliding	Sliding
12:45	13:25	0.67	18892	18956	64.00	96.00	Rotating	Rotating	Rotate
13:25	13:35	0.17	18956	18956	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18896
13:35	14:00	0.42	18956	19050	94.00	225.60	Rotating	Rotating	Rotate
14:00	14:30	0.50	19050	19050	0.00	0.00	Rig Service - Inhole		Rig Service
14:30	14:40	0.17	19050	19050	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 18990
14:40	14:50	0.17	19050	19080	30.00	180.00	Rotating	Rotating	Rotate
14:50	15:00	0.17	19080	19080	0.00	0.00	Circulating	Circulating Only	Restart Logging Computer (FV)
15:00	15:20	0.33	19080	19133	53.00	159.00	Rotating	Rotating	Rotate
15:20	15:35	0.25	19133	19133	0.00	0.00	Circulating	Circulating Only	Circulating out Gas
15:35	15:45	0.17	19133	19145	12.00	72.00	Rotating	Rotating	Rotate
15:45	15:55	0.17	19145	19145	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19085
15:55	16:10	0.25	19145	19155	10.00	40.00	Rotating	Rotating	Rotate
16:10	17:10	1.00	19155	19175	20.00	20.00	Sliding	Sliding	Sliding
17:10	17:50	0.67	19175	19239	64.00	96.00	Rotating	Rotating	Rotate
17:50	18:00	0.17	19239	19239	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19179

18:00	18:40	0.67	19239	19334	95.00	142.50	Rotating	Rotating	Rotate
18:40	18:50	0.17	19334	19334	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19274
18:50	19:40	0.83	19334	19429	95.00	114.00	Rotating	Rotating	Rotate
19:40	19:50	0.17	19429	19429	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19369
19:50	20:00	0.17	19429	19447	18.00	108.00	Rotating	Rotating	Rotate
20:00	21:15	1.25	19447	19460	13.00	10.40	Sliding	Sliding	Sliding
21:15	21:35	0.33	19460	19460	0.00	0.00	Circulating	Circulating Only	P/U And Restart Slide Due To Weight Stacking Up
21:35	22:00	0.42	19460	19467	7.00	16.80	Sliding	Sliding	Sliding
22:00	22:30	0.50	19467	19523	56.00	112.00	Rotating	Rotating	Rotate
22:30	22:40	0.17	19523	19523	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19463
22:40	23:15	0.58	19523	19617	94.00	161.14	Rotating	Rotating	Rotate
23:15	23:25	0.17	19617	19617	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19557
23:25	23:59	0.58	19617	19711	94.00	161.14	Rotating	Rotating	Rotate



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	David Miller	MWD Night		Geologist	
Company Man Day/Phone	Gary	Company Man Night/Phone		Robert	

BHA #	6	Total Circulating Hours	23.92	Circulating Hours	3.42	Drilling Hours	20.50
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/25/2020 00:00	Rotate Ft/Hrs	1,227.00 10.25	WOB Rot	40 40	Flow Rate	525 525	Bit Serial #	BHA #1	BHA #2	
BHA Out	6/25/2020 23:59	Avg ROP Rotate	119.71	Diff PSI Rot	600 600	Off Bttm SPP	5,200 5,600	Motor Serial #	5307916		
Start/End Depth	19,711 21,060	Rotate % Ft/Hrs	91 50	WOB Slide	30 30	On Bttm SPP	5,800 5,800	Mud Properties In/Out			
Total Drilled	1,349.00	Slide Ft/Hrs	122.00 10.25	Diff PSI Slide	200 200	RPM	80 80	Mud Type	OBM OBM	Sand	0 0
Avg ROP	65.81	Avg ROP Slide	11.90	DLS Range	0.12 - 2.11	Off Bttm Tq	26,500 26,500	Mud Wt	11.4 11.6	Solids	17.0 20 5
Circ Hours	3.42	Slide % Ft/Hrs	9.04 50.00	BHT Range	219 230	On Bttm Tq	26,500 26,500	Mud Vis	58 49	PH	1.1 1.4
BRT	24.00			'MWD Tool Type' Survey Data				Chlorides	34000 35000	Flow Temp	115 132
Daily Cost		\$13,908.19		Bit to Survey	60.00	Bit to Gamma	44.00	% Oil	80 80		
Cumulative Cost		\$258,225.70		Inc In/Out	89.72 89.38	AZM In/Out	181.34 179.74				

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:10	0.17	19711	19711	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19651
00:10	00:40	0.50	19711	19806	95.00	190.00	Rotating	Rotating	Rotate
00:40	00:50	0.17	19806	19806	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19746
00:50	01:20	0.50	19806	19859	53.00	106.00	Rotating	Rotating	Rotate
01:20	03:15	1.92	19859	19884	25.00	13.04	Sliding	Sliding	Sliding
03:15	03:30	0.25	19884	19901	17.00	68.00	Rotating	Rotating	Rotae
03:30	03:35	0.08	19901	19901	0.00	0.00	Connection	Non-Circulating	Connection
03:35	03:45	0.17	19901	19901	0.00	0.00	Circulating	Circulating Only	SPR
03:45	03:50	0.08	19901	19901	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19841
03:50	04:20	0.50	19901	19996	95.00	190.00	Rotating	Rotating	Rotate
04:20	04:30	0.17	19996	19996	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 19936
04:30	04:45	0.25	19996	20013	17.00	68.00	Rotating	Rotating	Rotate
04:45	06:20	1.58	20013	20038	25.00	15.79	Sliding	Sliding	Sliding
06:20	06:55	0.58	20038	20089	51.00	87.43	Rotating	Rotating	Rotate
06:55	07:05	0.17	20089	20089	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20029
07:05	07:15	0.17	20089	20099	10.00	60.00	Rotating	Rotating	Rotate
07:15	09:00	1.75	20099	20119	20.00	11.43	Sliding	Sliding	Sliding
09:00	09:40	0.67	20119	20184	65.00	97.50	Rotating	Rotating	Rotate
09:40	09:50	0.17	20184	20184	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20124
09:50	10:25	0.58	20184	20280	96.00	164.57	Rotating	Rotating	Rotate
10:25	10:35	0.17	20280	20280	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20220
10:35	11:15	0.67	20280	20374	94.00	141.00	Rotating	Rotating	Rotate
11:15	11:25	0.17	20374	20374	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20314
11:25	11:35	0.17	20374	20384	10.00	60.00	Rotating	Rotating	Rotate
11:35	14:30	2.92	20384	20409	25.00	8.57	Sliding	Sliding	Sliding
14:30	15:00	0.50	20409	20469	60.00	120.00	Rotating	Rotating	Rotate
15:00	15:30	0.50	20469	20469	0.00	0.00	Rig Service - Inhole	Circulating Only	Rig Service
15:30	15:40	0.17	20469	20469	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20409
15:40	15:50	0.17	20469	20479	10.00	60.00	Rotating	Rotating	Rotate
15:50	17:00	1.17	20479	20499	20.00	17.14	Sliding	Sliding	Sliding
17:00	17:35	0.58	20499	20563	64.00	109.71	Rotating	Rotating	Rotate
17:35	17:45	0.17	20563	20563	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20508
17:45	18:40	0.92	20563	20658	95.00	103.64	Rotating	Rotating	Rotate
18:40	18:50	0.17	20658	20658	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20598
18:50	19:35	0.75	20658	20753	95.00	126.67	Rotating	Rotating	Rotate
19:35	19:45	0.17	20753	20753	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20693
19:45	20:40	0.92	20753	20847	94.00	102.55	Rotating	Rotating	Rotate
20:40	20:50	0.17	20847	20847	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20787
20:50	21:25	0.58	20847	20942	95.00	162.86	Rotating	Rotating	Rotate
21:25	21:30	0.08	20942	20942	0.00	0.00	Circulating	Circulating Only	SPR
21:30	21:45	0.25	20942	20942	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20882
21:45	22:30	0.75	20942	21037	95.00	126.67	Rotating	Rotating	Rotate
22:30	22:40	0.17	21037	21037	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 20977
22:40	22:55	0.25	21037	21053	16.00	64.00	Rotating	Rotating	Rotate
22:55	23:50	0.92	21053	21060	7.00	7.64	Sliding	Sliding	Slide @ 55L
23:50	23:59	0.17	21060	21060	0.00	0.00	MWD - Troubleshoot (Circ)	Circulating Only	Troubleshoot MWD



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	Duane Shelton	MWD Night		Geologist	
Company Man Day/Phone	Robert	361.446.0896	Company Man Night/Phone	Derrick	361.446.0896

BHA #	6	Total Circulating Hours	23.17	Circulating Hours	17.33	Drilling Hours	5.83
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Time and Depths				Drilling Parameters Min/Max				BHA Data			
BHA In	6/26/2020	00:00	Rotate Ft/Hrs	485.00	4.08	WOB Rot	40	40	Flow Rate	525	525
BHA Out	6/26/2020	23:59	Avg ROP Rotate	118.87		Diff PSI Rot	441	441	Off Bttm SPP	5,915	6,014
Start/End Depth	21,060	21,658	Rotate % Ft/Hrs	96	70	WOB Slide	4	30	On Bttm SPP	6,262	6,356
Total Drilled	598.00		Slide Ft/Hrs	18.00	1.75	Diff PSI Slide	248	248	RPM	80	80
Avg ROP	102.57		Avg ROP Slide	10.29		DLS Range	0.00	1.60	Off Bttm Tq	25,200	25,200
Circ Hours	17.33		Slide % Ft/Hrs	3.58	30.00	BHT Range	225	230	On Bttm Tq	25,200	25,200
BRT	23.17					'MWD Tool Type' Survey Data					
Daily Cost			\$6,165.38			Bit to Survey	60.00		Bit to Gamma	44.00	
Cumulative Cost			\$264,391.08			Inc In/Out	89.55	89.86	AZM In/Out	179.83	182.53
						Mud Properties In/Out					
						Mud Type	OBM	0	Sand	0	
						Mud Wt	11.8		Solids	19.5	1
						Mud Vis	49		PH	2.2	
						Chlorides	36000		Flow Temp	138	
						% Oil	80				

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	00:30	0.50	21060	21060	0.00	0.00	MWD - Troubleshoot (Circ)	Circulating Only	Troubleshoot MWD
00:30	01:05	0.58	21060	21065	5.00	8.57	Sliding	Sliding	Slide @ 55L
01:05	03:05	2.00	21065	21065	0.00	0.00	Circulating	Circulating Only	Working on mud pumps
03:05	04:15	1.17	21065	21078	13.00	11.14	Sliding	Sliding	Slide @ 55L
04:15	04:40	0.42	21078	21078	0.00	0.00	Circulating	Circulating Only	Working on mud pumps
04:40	05:10	0.50	21078	21131	53.00	106.00	Rotating	Rotating	Rotate
05:10	05:20	0.17	21131	21131	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 21071
05:20	06:10	0.83	21131	21224	93.00	111.60	Rotating	Rotating	Rotate
06:10	06:15	0.08	21224	21224	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 21164
06:15	07:00	0.75	21224	21319	95.00	126.67	Rotating	Rotating	Rotate
07:00	07:10	0.17	21319	21319	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 21259
07:10	08:00	0.83	21319	21414	95.00	114.00	Rotating		Rotate
08:00	08:10	0.17	21414	21414	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 21354
08:10	08:55	0.75	21414	21509	95.00	126.67	Rotating	Rotating	Rotate
08:55	09:05	0.17	21509	21509	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 21449
09:05	09:55	0.83	21509	21604	95.00	114.00	Rotating	Rotating	Rotate
09:55	10:05	0.17	21604	21604	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 21544
10:05	10:30	0.42	21604	21658	54.00	129.60	Rotating	Rotating	Rotate
10:30	10:35	0.08	21658	21658	0.00	0.00	MWD - Survey (MP)	Circulating Only	@ 21544
10:35	17:10	6.58	21658	21658	0.00	0.00	Circulating	Circulating Only	Circulate & Condition Hole
17:10	23:59	6.83	21658	21658	0.00	0.00	POOH	Circulating Only	Wash out of hole



DD DAILY REPORT

Customer	XTO Energy	Well Name/No.	Poker Lake Unit 21 BD 901H	Job No.	M20033
Rig Name/No	Nabors X32	State/County	New Mexico Eddy	Basin	Delaware
Directional Driller Day	Danny Rieger	MWD Day	Michael Johnson	Engineer	
Directional Driller Night	Duane Shelton	MWD Night		Geologist	
Company Man Day/Phone	Robert	361.446.0896	Company Man Night/Phone	Derrick	361.446.0896

BHA #	6	Total Circulating Hours	3.08	Circulating Hours	3.08	Drilling Hours	
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Time and Depths					Drilling Parameters Min/Max					BHA Data				
BHA In	6/27/2020	00:00	Rotate Ft/Hrs		WOB Rot		Flow Rate		Bit Serial #	BHA #1	BHA #2			
BHA Out	6/27/2020	23:59	Avg ROP Rotate		Diff PSI Rot		Off Bttm SPP		Motor Serial #	5307916				
Start/End Depth	21,658	21,658	Rotate % Ft/Hrs		WOB Slide		On Bttm SPP		Mud Properties In/Out					
Total Drilled	0.00		Slide Ft/Hrs		Diff PSI Slide		RPM		Mud Type	OBM	0	Sand	0	
Avg ROP			Avg ROP Slide		DLS Range		Off Bttm Tq		Mud Wt	11.8		Solids	19.5	
Circ Hours	3.08		Slide % Ft/Hrs		BHT Range	0	0	On Bttm Tq					1	
BRT	13.58				'MWD Tool Type' Survey Data					Mud Vis	49	PH	2.2	
Daily Cost			\$0.00		Bit to Survey	60.00	Bit to Gamma	44.00	Chlorides	36000		Flow Temp	138	
Cumulative Cost			\$264,391.08		Inc In/Out		AZM In/Out		% Oil	80				

LCM 1	
LCM 2	

Start Time	End Time	Time Elapsed	Start Depth	End Depth	Footage	ROP	Activity	Activity Hrs	Comments
00:00	03:05	3.08	21658	21658	0.00	0.00	POOH	Circulating Only	Wash out of hole
03:05	04:30	1.42	21658	21658	0.00	0.00	Circulating		Circulating @ Shoe
04:30	05:45	1.25	21658	21658	0.00	0.00	POOH	Non-Circulating	Poo t/ 8700'
05:45	15:00	9.25	21658	21658	0.00	0.00	L/D DP	Non-Circulating	L/D DP
15:00	16:30	1.50	21658	21658	0.00	0.00	Lay Down BHA	ART	L/D BHA # 6
16:30	23:59	7.50	21658	21658	0.00	0.00	Other	ART	Rig Down Job In Route Home

Section Three

Bottom Hole Assembly Recap



MOTOR REPORT

Customer	XTO Energy				Job No.		M20033									
Well Name/No	Poker Lake Unit 21 BD 901H				Rig Name/No		Nabors X32									
GPS Coord.					County		Eddy									
BHA #	1		Total Circ Hours		12.92		Circ. Only Hours		4.00		Bit Hours		8.92			
Time and Depths (This BHA)			Motor Data					Drilling Parameters								
Date in	01/29/2020		Motor Serial				Motor Manuf.				WOB Rotating		5		30	
Date out	01/30/2020		Motor Size				Wear Pad OD				WOB Sliding					
BRT Hours	14.75		Motor Config.				BH Stab Size				On Bottom SPP		0		0	
Start Depth	123.00		Bend Setting				Rubber Type				Off Bottom SPP		0		0	
End Depth	1,065.00		Bend Type				Power Fit				Diff. Press.		0		0	
Total Drilled	942.00		Bit to Bend				RPG				On Bottom Torque		2,500		7,500	
Avg. ROP Total	105.61		Prop BUR				Stall Pressure				Off Bottom Torque		3,000		7,500	
Circ. Only Hours	4.00		Act BUR								RPM		40		90	
% Sliding			MWD Survey Data							Flow Rate		400		650		
% Hours										BHT		62		62		
Sliding Hrs			Inc In				Az In				DLS Range:					
Total Sliding Distance			Inc Out				Az Out				Mud Type 1		Mud Type 2			
Sliding ROP			Bit Data													
% Rotating	100.00															
% Hours	100.00		Bit Manuf		Ulterra		Bit Model		CF716		Mud Type				Mud Type	
Rotating Hrs	8.92		Bit Serial		49528		TFA		0.930		Mud Weight				Mud Weight	
Total Rotating Distance	942.00		Bit Type		PDC		Jets (#/Size)		6x13 4x14		Mud Viscosity				Mud Viscosity	
Avg. ROP Rotating	105.61		Bit Size		14.75						Chlorides				Chlorides	
											% Oils				% Oils	
											Sand				Sand	
											Solids				Solids	
											PH				PH	
											Flow Temp				Flow Temp	
BHA Objective:																
BHA/Motor/RSS Performance:																
BHA Conclusions/Recommendations/Remarks:																
Reason POOH:		Details:														



MOTOR REPORT

Customer	XTO Energy			Job No.		M20033										
Well Name/No	Poker Lake Unit 21 BD 901H			Rig Name/No		Nabors X32										
GPS Coord.				County		Eddy										
BHA #	2		Total Circ Hours		28.83		Circ. Only Hours		6.83		Bit Hours		22.00			
Time and Depths (This BHA)		Motor Data						Drilling Parameters								
Date in	03/06/2020		Motor Serial		TOP800M1027		Motor Manuf.		Rubicon		WOB Rotating		5		38	
Date out	03/07/2020		Motor Size		8.00"		Wear Pad OD		8.50		WOB Sliding		25		25	
BRT Hours	40.00		Motor Config.		7/8 5.9		BH Stab Size				On Bottom SPP		0		650	
Start Depth	1,065.00		Bend Setting		1.75		Rubber Type				Off Bottom SPP		0		0	
End Depth	4,600.00		Bend Type		Fixed		Power Fit				Diff. Press.		200		650	
Total Drilled	3,535.00		Bit to Bend		5.5		RPG		.155		On Bottom Torque		2,500		14,000	
Avg. ROP Total	160.68		Prop BUR				Stall Pressure				Off Bottom Torque		2,500		14,000	
Circ. Only Hours	6.83		Act BUR								RPM		30		80	
% Sliding	5.18		Survey Update						Flow Rate		500		750			
% Hours	15.53								BHT		62		118			
Sliding Hrs	3.42		Inc In				Az In				DLS Range:					
Total Sliding Distance	183.00		Inc Out				Az Out				Mud Type 1		Mud Type 2			
Sliding ROP	53.51		Bit Data						Mud Type				Mud Type			
% Rotating	94.82								Mud Weight		FY616P-F		Mud Weight			
% Hours	84.47		Bit Manuf		Varel		Bit Model		TFA		Chlorides				Chlorides	
Rotating Hrs	18.58		Bit Serial		4012333		Jets (#/Size)		6x15		% Oils				% Oils	
Total Rotating Distance	3,352.00		Bit Type		PDC						Sand				Sand	
Avg. ROP Rotating	180.41		Bit Size		10.625						Solids				Solids	
Bit Grade	I O D L B G O R						PH				PH					
							Flow Temp				Flow Temp					

BHA Objective:

BHA/Motor/RSS Performance:

BHA Conclusions/Recommendations/Remarks:

Reason POOH:

Details:



MOTOR REPORT

Customer	XTO Energy			Job No.		M20033					
Well Name/No	Poker Lake Unit 21 BD 901H			Rig Name/No		Nabors X32					
GPS Coord.				County		Eddy					
BHA #	3		Total Circ Hours		44.42		Circ. Only Hours	5.67	Bit Hours	38.75	
Time and Depths (This BHA)		Motor Data					Drilling Parameters				
Date in	03/07/2020		Motor Serial	DM80050US		Motor Manuf.	DynaMax		WOB Rotating	35 40	
Date out	03/09/2020		Motor Size	8.00"		Wear Pad OD	8.50		WOB Sliding	25 35	
BRT Hours	51.50		Motor Config.	7/8 5.9		BH Stab Size			On Bottom SPP	100 700	
Start Depth	4,600.00		Bend Setting	1.75		Rubber Type			Off Bottom SPP	0 0	
End Depth	7,425.00		Bend Type	Fixed		Power Fit			Diff. Press.	100 700	
Total Drilled	2,825.00		Bit to Bend	5.2		RPG	.155		On Bottom Torque	10,000 15,000	
Avg. ROP Total	72.90		Prop BUR			Stall Pressure			Off Bottom Torque	10,000 15,000	
Circ. Only Hours	5.67		Act BUR						RPM	40 70	
% Sliding	6.90		Survey Update					Flow Rate	650 750		
% Hours	20.86							BHT	118 133		
Sliding Hrs	8.08		Inc In			Az In			DLS Range:		
Total Sliding Distance	195.00		Inc Out			Az Out			Mud Type 1	Mud Type 2	
Sliding ROP	24.13		Bit Data								
% Rotating	93.10										
% Hours	79.14		Bit Manuf	Varel		Bit Model	FY616P-F		Mud Type	0	
Rotating Hrs	30.67		Bit Serial	4012333		TFA	1.190		Mud Weight		
Total Rotating Distance	2,630.00		Bit Type	PDC		Jets (#/Size)	6x15		Mud Viscosity		
Avg. ROP Rotating	85.75		Bit Size	10.625					Chlorides		
Bit Grade	I O D L B G O R					% Oils				% Oils	
						Sand				Sand	
						Solids				Solids	
						PH				PH	
						Flow Temp				Flow Temp	

BHA Objective:

BHA/Motor/RSS Performance:

BHA Conclusions/Recommendations/Remarks:

Reason POOH:

Details:



MOTOR REPORT

Customer		XTO Energy		Job No.		M20033									
Well Name/No		Poker Lake Unit 21 BD 901H		Rig Name/No		Nabors X32									
GPS Coord.				County		Eddy									
BHA #		4		Total Circ Hours		74.33		Circ. Only Hours		7.58		Bit Hours		66.75	
Time and Depths (This BHA)		Motor Data						Drilling Parameters							
Date in	03/09/2020	Motor Serial	GDT20322	Motor Manuf.	G Series	WOB Rotating		25	37						
Date out	03/14/2020	Motor Size	8.00"	Wear Pad OD	8.20	WOB Sliding		25	25						
BRT Hours	118.50	Motor Config.	7/8 5.9	BH Stab Size		On Bottom SPP		100	550						
Start Depth	7,425.00	Bend Setting	1.75	Rubber Type	POB	Off Bottom SPP		0	0						
End Depth	10,520.00	Bend Type	Fixed	Power Fit	+.027	Diff. Press.		100	550						
Total Drilled	3,095.00	Bit to Bend	5.7	RPG	.155	On Bottom Torque		11,000	20,000						
Avg. ROP Total	46.37	Prop BUR		Stall Pressure		Off Bottom Torque		11,000	20,000						
Circ. Only Hours	7.58	Act BUR				RPM		40	60						
% Sliding	4.91	Survey Update				Flow Rate		650	725						
% Hours	21.60					BHT		133	160						
Sliding Hrs	14.42	Inc In		Az In		DLS Range:									
Total Sliding Distance	152.00	Inc Out		Az Out		Mud Type 1		Mud Type 2							
Sliding ROP	10.54	Bit Data				Mud Type									
% Rotating	95.09					Mud Weight									
% Hours	78.40	Bit Manuf	Varel	Bit Model	FY616P-F	Mud Viscosity		Mud Viscosity							
Rotating Hrs	52.33	Bit Serial	4012333	TFA	1.190	Chlorides		Chlorides							
Total Rotating Distance	2,943.00	Bit Type	PDC	Jets (#/Size)	6x15	% Oils		% Oils							
Avg. ROP Rotating	56.24	Bit Size	10.625			Sand		Sand							
Bit Grade	I	O	D	L	B	G	O	R	Solids		Solids				
									PH		PH				
								Flow Temp		Flow Temp					
BHA Objective:															
BHA/Motor/RSS Performance:															
BHA Conclusions/Recommendations/Remarks:															
Reason POOH:		Details:													

		MOTOR REPORT															
Customer		XTO Energy				Job No.		M20033									
Well Name/No		Poker Lake Unit 21 BD 901H				Rig Name/No		Nabors X32									
GPS Coord.						County		Eddy									
BHA #		5		Total Circ Hours		62.92		Circ. Only Hours		18.25		Bit Hours		44.67			
Time and Depths (This BHA)		Motor Data										Drilling Parameters					
Date in	06/16/2020	Motor Serial	BPG2650-0016		Motor Manuf.	Bico		WOB Rotating		20		45					
Date out	06/21/2020	Motor Size	6.50"		Wear Pad OD			WOB Sliding		35		45					
BRT Hours	77.33	Motor Config.	7/8 5.0		BH Stab Size			On Bottom SPP		2,700		4,700					
Start Depth	10,520.00	Bend Setting	2.00		Rubber Type			Off Bottom SPP		2,500		4,300					
End Depth	13,116.00	Bend Type	Fixed		Power Fit			Diff. Press.		200		500					
Total Drilled	2,596.00	Bit to Bend			RPG	.29		On Bottom Torque		15,000		28,000					
Avg. ROP Total	58.12	Prop BUR	12		Stall Pressure	1500		Off Bottom Torque		5,000		28,000					
Circ. Only Hours	18.25	Act BUR	16						RPM		20		50				
% Sliding	31.05	Survey Update						Flow Rate		400		576					
% Hours	43.84							BHT		158		198					
Sliding Hrs	19.58	Inc In	1.67		Az In	212.65		DLS Range:		0.02 - 14.02							
Total Sliding Distance	806.00	Inc Out	87.37		Az Out	178.19		Mud Type 1		Mud Type 2							
Sliding ROP	41.16	Bit Data						Mud Type		OBM		Mud Type		OBM			
% Rotating	68.95	Bit Manuf		Halliburton		Bit Model		GDT64DU		Mud Weight		11.4		Mud Weight		11.3	
% Hours	56.16	Bit Serial		13274673		TFA		1.040		Mud Viscosity		58		Mud Viscosity		54	
Rotating Hrs	25.08	Bit Type		PDC		Jets (#/Size)		3X14-3X16		Chlorides		34000		Chlorides		37000	
Total Rotating Distance	1,790.00	Bit Size		7.875						% Oils		80		% Oils		79	
Avg. ROP Rotating	71.37									Sand		0		Sand		0	
Bit Grade	I	O	D	L	B	G	O	R	PH		1.1		PH		1.8		
									Flow Temp		115		Flow Temp		155		
BHA Objective:																	
Drill and land curve section, and continue to drill the lateral section.																	
BHA/Motor/RSS Performance:																	
The BHA performed excellent controlled drilling with 25-40K on bit 28,000 Ft lbs. of torque While turning 20-50 - RPM's. 200 PSI - 450 PSI. of Differential. Percent Slide 31.05%; Percent Rotary 68.95%; Total Sliding: 806'. Total Rotating: 1790' Overall Total ROP: 58.12'/hr. Avg. Rotary ROP: 71.37'/hr. Avg. Slide ROP: 41.16'/hr. Prop BUR: 12 Actual BUR.: 19																	
BHA Conclusions/Recommendations/Remarks:																	
This 7 7/8" curve and lateral section used the 6 1/2" Bico sss/100 7/8 Lb. 5.0 Stg.FXD @ 2.0,.29 rev. True Slick assembly reached surface with no visual damage to any dumb iron. No Excessive motor wear was seen in KP area, in addition with not any visual, amount of play in bearing gap .Bit showed Minimal damage to gauge row cutters that were chipped. Bit Grading.1-1-CT-G-X-WT-1-BHA. Graded: Rerunable																	
Reason POOH:		Top Drive Torque is off 7000 lbs				Details:											



MOTOR REPORT

Customer		XTO Energy				Job No.				M20033								
Well Name/No		Poker Lake Unit 21 BD 901H				Rig Name/No				Nabors X32								
GPS Coord.						County				Eddy								
BHA #		6		Total Circ Hours		127.67		Circ. Only Hours		42.00		Bit Hours		85.67				
Time and Depths (This BHA)				Motor Data						Drilling Parameters								
Date in	06/21/2020		Motor Serial		XTOGDT16512		Motor Manuf.		G Series		WOB Rotating		35		45			
Date out	06/27/2020		Motor Size		6.75"		Wear Pad OD		6 5/8		WOB Sliding		4		44			
BRT Hours	144.50		Motor Config.		7/8 5.7 ERT		BH Stab Size				On Bottom SPP		4,800		6,700			
Start Depth	13,116.00		Bend Setting		1.50		Rubber Type		POB		Off Bottom SPP		500		6,050			
End Depth	21,658.00		Bend Type		Fixed		Power Fit		-.005		Diff. Press.		150		5,100			
Total Drilled	8,542.00		Bit to Bend		5.1		RPG		.23		On Bottom Torque		20,000		26,500			
Avg. ROP Total	99.71		Prop BUR		8		Stall Pressure		3090		Off Bottom Torque		10,000		26,500			
Circ. Only Hours	42.00		Act BUR		12								RPM		80		80	
% Sliding	6.51		Survey Update						Flow Rate						525		575	
% Hours	38.23								BHT						189		230	
Sliding Hrs	32.75		Inc In		87.00		Az In		177.20		DLS Range:						0.00 - 3.02	
Total Sliding Distance	550.00		Inc Out		89.86		Az Out		182.53		Mud Type 1		Mud Type 2					
Sliding ROP	16.79		Bit Data						Mud Type		OBM		Mud Type		0			
% Rotating	93.49								Mud Weight		11.8		Mud Weight					
% Hours	61.77		Bit Manuf		Baker		Bit Model		DD506TX		Mud Viscosity		49		Mud Viscosity			
Rotating Hrs	52.92		Bit Serial		5307916		TFA		1.510		Chlorides		36000		Chlorides			
Total Rotating Distance	7,897.00		Bit Type		PDC		Jets (#/Size)		3X20-3X16		% Oils		80		% Oils			
Avg. ROP Rotating	149.23		Bit Size		7.875								Sand		0		Sand	
Bit Grade	I		O		D		L		B		G		O		R			
	1		1		CT		S		X		I		NO		TD			
												Solids		19.51		Solids		
												PH		2.2		PH		
												Flow Temp		138		Flow Temp		
BHA Objective:																		
Drill Lateral to TD																		
BHA/Motor/RSS Performance:																		
BHA Drilled a total of 8542 ft with an overall ROP 99.71. Rotary drilled 7897 ft with a ROP of 149.23 (WOB 25-40 GPM 525-275 RPM 80 Diff 300-700. Slide drilled 550 ft with a ROP of 16.79 (WOB 20-45 GPM 525-575 Diff 200-400) Average motor yield 12 / 100																		
BHA Conclusions/Recommendations/Remarks:																		
No damage visible on exterior of motor. Motor drained and bearing section did have 3/4 of a inch slack. Bit was in good condition. Bit grade 1 IR 1 OR with chipped cutters on shoulder area.																		
Reason POOH:		TD Well				Details:												



DD - SLIDE JOB REPORT

No.	M20033	Well Name/No	Poker Lake Unit 21 BD 901H
S Coord.		Rig Name/No	Nabors X32
Customer	XTO Energy	State/Province	New Mexico
Job Start Date	1/29/2020	County	Eddy
Job End Date	7/1/2020	Field	
Job/PO	DD201702371		

Summary					
Job Start Date	01/29/2020	Job Start Time	14:45	Job Start Depth	123.000
Job End Date	06/27/2020	Job End Time	23:59	Job End Depth	21658.000
Total Drilled	21535.000	Avg. ROP	80.731	Depth %	Time %
Total Rotating Distance	19554.00	Avg. ROP Rotating	103.735	% Rotating	91.203 70.665
Total Sliding Distance	1886.00	Avg. Sliding ROP	24.102	% Sliding	8.797 29.335

BHA #	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	Mag/Grav	SVY DEPTH	INC	AZM	DLS	Note
1	01/29	Rotating	14:45	15:35	0.83	123.00	219.00	96.00	5	115.2	40	2,500	500	0			0.00	0.22		0.00	Drilling - (WOB:5.00;GPM :500.00;RPM:40)
1	01/29	MWD - Survey (MP)	15:35	15:40	0.08	219.00	219.00	0.00	0	0.0	0	0	500	0			0.00	0.18		0.00	Survey & Conn.@174' Inc 0.18° Azm 296.83°
1	01/29	Rotating	15:40	16:10	0.50	219.00	312.00	93.00	10	186.0	80	5,000	600	0	0	Gravity	0.00	0.13		0.00	Drilling - (WOB:10.00;GPM :600.00;RPM:80)
1	01/29	MWD - Survey (MP)	16:10	16:15	0.08	312.00	312.00	0.00	0	0.0	0	0	600	0			0.00	0.26		0.00	Survey & Conn.@267' Inc 0.26° Azm 288.31°
1	01/29	Rotating	16:15	16:45	0.50	312.00	404.00	92.00	10	184.0	80	5,000	600	0	0	Gravity	0.00	0.37		0.00	Drilling - (WOB:10.00;GPM :600.00;RPM:80)
1	01/29	MWD - Survey (MP)	16:45	16:50	0.08	404.00	404.00	0.00	10	0.0	80	5,000	600	0	0	Gravity	0.00	0.35		0.00	MWD Survey@359' Inc 0.35° Azm 158.76°
1	01/29	Rotating	17:40	18:25	0.75	404.00	498.00	94.00	10	125.3	90	7,500	600	0	0	Gravity	0.00	0.46		0.00	Drilling - (WOB:10.00;GPM :600.00;RPM:90)
1	01/29	MWD - Survey (MP)	18:25	18:30	0.08	498.00	498.00	0.00	10	0.0	90	7,500	600	0	0	Gravity	0.00	0.40		0.00	Survey & Conn.@453' Inc 0.4° Azm 165.7°
1	01/29	Rotating	18:30	18:40	0.17	498.00	517.00	19.00	10	114.0	90	7,500	650	0	0	Gravity	0.00	0.49		0.00	Drilling - (WOB:10.00;GPM :650.00;RPM:90)
1	01/29	Rotating	21:15	22:00	0.75	517.00	590.00	73.00	5	97.3	60	7,500	400	0	0	Gravity	0.00	0.50		0.00	Drilling - (WOB:5.00;GPM :400.00;RPM:60)
1	01/29	MWD - Survey (MP)	22:00	22:05	0.08	590.00	590.00	0.00	5	0.0	60	3,000	400	0	0	Gravity	0.00	0.53		0.00	Survey & Conn.@545' Inc 0.53° Azm 163.85°
1	01/29	Rotating	22:05	23:00	0.92	590.00	681.00	91.00	5	99.3	60	3,000	400	0	0	Gravity	0.00	0.50		0.00	Drilling - (WOB:5.00;GPM :400.00;RPM:60)
1	01/29	MWD - Survey (MP)	23:00	23:05	0.08	681.00	681.00	0.00	5	0.0	60	3,000	400	0	0	Gravity	0.00	0.48		0.00	Survey & Conn.@636' Inc 0.48° Azm 186.18°
1	01/29	Rotating	23:05	23:59	0.92	681.00	774.00	93.00	5	101.5	60	3,000	400	0	0	Gravity	0.00	0.49		0.00	Drilling - (WOB:5.00;GPM :400.00;RPM:60)

1	01/30	MWD - Survey (MP)	00:00	00:05	0.08	774.00	774.00	0.00	20	0.0	60	3,000	650	0	0	Gravity	0.00	0.62	0.00	Survey & Conn.@729' Inc 0.62° Azm 236.89°
1	01/30	Rotating	00:05	01:15	1.17	774.00	836.00	62.00	20	53.1	60	3,000	650	0	0	Gravity	0.00	0.49	0.00	Drilling - (WOB:20.00;GPM :400.00;RPM:60)
1	01/30	MWD - Survey (MP)	01:15	01:20	0.08	836.00	836.00	0.00	20	0.0	60	3,000	650	0	0	Gravity	0.00	0.44	0.00	Survey & Conn.@822' Inc 0.44° Azm 285.14°
1	01/30	Rotating	01:20	02:40	1.33	836.00	962.00	126.00	20	94.5	60	3,000	650	0	0	Gravity	0.00	1.33	0.00	Drilling - (WOB:20.00;GPM :400.00;RPM:60)
1	01/30	MWD - Survey (MP)	02:40	02:45	0.08	962.00	962.00	0.00	20	0.0	60	3,000	650	0	0	Gravity	0.00	0.79	0.00	Survey & Conn.@917' Inc 0.79° Azm 301.75°
1	01/30	Rotating	02:45	03:30	0.75	962.00	1,025.00	63.00	20	84.0	60	3,000	650	0	0	Gravity	0.00	0.00	0.00	Drilling - (WOB:20.00;GPM :400.00;RPM:60)
1	01/30	MWD - Survey (MP)	03:30	03:35	0.08	1,025.00	1,025.00	0.00	30	0.0	60	3,000	650	0	0	Gravity	0.00	1.67	0.00	Survey & Conn.@1020' Inc 1.67° Azm 312.21°
1	01/30	Rotating	03:35	03:55	0.33	1,025.00	1,065.00	40.00	30	120.0	60	3,000	650	0	0	Gravity	0.00	0.00	0.00	Drilling - (WOB:30.00;GPM :400.00;RPM:60)
1	01/30	MWD - Survey (MP)	03:55	04:00	0.08	1,065.00	1,065.00	0.00	30	0.0	60	3,000	650	0	0	Gravity	0.00	1.67	0.00	MWD Survey@1020' Inc 1.67° Azm 312.21°
2	03/06	Rotating	08:45	08:55	0.17	1,065.00	1,075.00	10.00	5	60.0	30	2,500	500	0	0	Gravity	0.00	1.96	0.00	Drilling - (WOB:5.00;GPM :500.00;RPM:30)
2	03/06	Rotating	09:05	09:15	0.17	1,075.00	1,084.00	9.00	5	54.0	30	2,500	600	0	0	Gravity	0.00	2.01	0.00	Drilling - (WOB:5.00;GPM :600.00;RPM:30)
2	03/06	Rotating	09:20	09:45	0.42	1,084.00	1,177.00	93.00	25	223.2	60	6,500	750	200	0	Gravity	0.00	2.33	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:60)
2	03/06	Rotating	09:50	10:05	0.25	1,177.00	1,240.00	63.00	25	252.0	80	8,000	750	300	0	Gravity	0.00	2.06	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	10:05	10:10	0.08	1,240.00	1,240.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	2.42	0.00	Survey & Conn.@1159' Inc 2.42° Azm 323.55°
2	03/06	Rotating	10:10	10:15	0.08	1,240.00	1,250.00	10.00	25	120.0	80	8,000	750	300	0	Gravity	0.00	2.03	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	Sliding	10:15	10:25	0.17	1,250.00	1,270.00	20.00	25	120.0	0	0	750	300	140M	Magnetic	0.00	1.98	0.00	Sliding - (WOB:25.00;GPM :750.00;RPM:)
2	03/06	Rotating	10:25	10:45	0.33	1,270.00	1,335.00	65.00	25	195.0	80	8,000	750	300	0	Gravity	0.00	1.89	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	10:45	10:55	0.17	1,335.00	1,335.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	2.02	0.00	Survey & Conn.@1254' Inc 2.02° Azm 304.74°
2	03/06	Rotating	10:55	11:10	0.25	1,335.00	1,429.00	94.00	25	376.0	80	8,000	750	300	0	Gravity	0.00	2.02	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	11:10	11:20	0.17	1,429.00	1,429.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	1.89	0.00	Survey & Conn.@1348' Inc 1.89° Azm 283.91°
2	03/06	Rotating	11:20	11:25	0.08	1,429.00	1,439.00	10.00	25	120.0	80	8,000	750	300	0	Gravity	0.00	2.05	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	Sliding	11:25	11:35	0.17	1,439.00	1,459.00	20.00	25	120.0	0	0	750	300	150M	Magnetic	0.00	2.10	0.00	Sliding - (WOB:25.00;GPM :750;TFO:150M))
2	03/06	Rotating	11:35	11:45	0.17	1,459.00	1,524.00	65.00	25	390.0	80	8,000	750	300	0	Gravity	0.00	2.60	0.00	Drilling -

																			(WOB:25.00;GPM :750.00;RPM:80)	
2	03/06	MWD - Survey (MP)	11:45	11:55	0.17	1,524.00	1,524.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	2.07	0.00	Survey & Conn.@1443' Inc 2.07° Azm 258.42°
2	03/06	Rotating	11:55	12:00	0.08	1,524.00	1,534.00	10.00	25	120.0	80	8,000	750	300	0	Gravity	0.00	2.72	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	Sliding	12:00	12:10	0.17	1,534.00	1,554.00	20.00	25	120.0	80	8,000	750	300	130M	Magnetic	0.00	2.89	0.00	Sliding - (WOB:25.00;GPM :750;TFO:150M))
2	03/06	Rotating	12:10	12:25	0.25	1,554.00	1,619.00	65.00	25	260.0	80	8,000	750	300	0	Gravity	0.00	3.46	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	12:25	12:35	0.17	1,619.00	1,619.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	2.77	0.00	Survey & Conn.@1538' Inc 2.77° Azm 217.91°
2	03/06	Rotating	12:35	13:00	0.42	1,619.00	1,714.00	95.00	25	228.0	80	8,000	750	300	0	Gravity	0.00	3.77	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	13:00	13:10	0.17	1,714.00	1,714.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	3.60	0.00	Survey & Conn.@1633' Inc 3.6° Azm 201.47°
2	03/06	Rotating	13:10	13:15	0.08	1,714.00	1,724.00	10.00	25	120.0	80	8,000	750	300	0	Gravity	0.00	3.80	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	Sliding	13:15	13:30	0.25	1,724.00	1,744.00	20.00	25	80.0	0	0	750	300	90R		0.00	3.88	0.00	Sliding - (WOB:25.00;GPM :750;TFO:90))
2	03/06	Rotating	13:30	13:45	0.25	1,744.00	1,809.00	65.00	25	260.0	80	8,000	750	300	0	Gravity	0.00	4.22	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	13:45	13:55	0.17	1,809.00	1,809.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	3.82	0.00	Survey & Conn.@1728' Inc 3.82° Azm 218.87°
2	03/06	Rotating	13:55	14:10	0.25	1,809.00	1,904.00	95.00	25	380.0	80	8,000	750	300	0	Gravity	0.00	4.61	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	14:10	14:15	0.08	1,904.00	1,904.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	4.31	0.00	Survey & Conn.@1823' Inc 4.31° Azm 234.08°
2	03/06	Rotating	14:15	14:45	0.50	1,904.00	1,999.00	95.00	25	190.0	80	8,000	750	300	0	Gravity	0.00	4.92	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	14:45	14:55	0.17	1,999.00	1,999.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	4.66	0.00	Survey & Conn.@1918' Inc 4.66° Azm 232.67°
2	03/06	Rotating	14:55	15:00	0.08	1,999.00	2,009.00	10.00	25	120.0	80	8,000	750	300	0	Gravity	0.00	4.96	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	Sliding	15:00	15:10	0.17	2,009.00	2,029.00	20.00	25	120.0	0	0	750	300	90R		0.00	5.03	0.00	Sliding - (WOB:25.00;GPM :750;TFO:90R))
2	03/06	Rotating	15:10	15:40	0.50	2,029.00	2,093.00	64.00	25	128.0	80	8,000	750	300	0	Gravity	0.00	5.27	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	15:40	15:50	0.17	2,093.00	2,093.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	4.97	0.00	Survey & Conn.@2012' Inc 4.97° Azm 243.92°
2	03/06	Rotating	15:50	16:15	0.42	2,093.00	2,187.00	94.00	25	225.6	80	8,000	750	300	0	Gravity	0.00	5.32	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
2	03/06	MWD - Survey (MP)	16:15	16:25	0.17	2,187.00	2,187.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	5.32	0.00	Survey & Conn.@2106' Inc 5.32° Azm 251.22°
2	03/06	Rotating	16:25	16:55	0.50	2,187.00	2,281.00	94.00	25	188.0	80	8,000	750	300	0	Gravity	0.00	5.28	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)

Released to Imaging: 9/5/2025 1:58:20 PM	2	03/06	MWD - Survey (MP)	16:55	17:05	0.17	2,281.00	2,281.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	5.32	0.00	Survey & Conn.@2200' Inc 5.32° Azm 250.07°
	2	03/06	Rotating	17:05	17:50	0.75	2,281.00	2,376.00	95.00	25	126.7	80	8,000	750	300	0	Gravity	0.00	5.50	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
	2	03/06	MWD - Survey (MP)	17:50	18:00	0.17	2,376.00	2,376.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	5.27	0.00	Survey & Conn.@2295' Inc 5.27° Azm 247.53°
	2	03/06	Rotating	18:00	18:35	0.58	2,376.00	2,471.00	95.00	25	162.9	80	8,000	750	300	0	Gravity	0.00	5.62	0.00	Drilling - (WOB:30.00;GPM :750.00;RPM:80)
	2	03/06	MWD - Survey (MP)	18:35	18:40	0.08	2,471.00	2,471.00	0.00	25	0.0	80	8,000	750	300	0	Gravity	0.00	5.54	0.00	Survey & Conn.@2390' Inc 5.54° Azm 245.5°
	2	03/06	Rotating	18:40	19:20	0.67	2,471.00	2,566.00	95.00	30	142.5	80	10,000	750	400	0	Gravity	0.00	5.40	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
	2	03/06	MWD - Survey (MP)	19:20	19:25	0.08	2,566.00	2,566.00	0.00	30	0.0	80	10,000	750	400	0	Gravity	0.00	5.63	0.00	Survey & Conn.@2485' Inc 5.63° Azm 244.98°
	2	03/06	Rotating	19:25	20:20	0.92	2,566.00	2,662.00	96.00	30	104.7	80	10,000	750	400	0	Gravity	0.00	5.40	0.00	Drilling - (WOB:25.00;GPM :750.00;RPM:80)
	2	03/06	MWD - Survey (MP)	20:20	20:25	0.08	2,662.00	2,662.00	0.00	30	0.0	80	10,000	750	400	0	Gravity	0.00	5.36	0.00	Survey & Conn.@2581' Inc 5.36° Azm 246.38°
	2	03/06	Rotating	20:25	21:20	0.92	2,662.00	2,757.00	95.00	35	103.6	70	12,000	750	600	0	Gravity	0.00	5.33	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
	2	03/06	MWD - Survey (MP)	21:20	21:25	0.08	2,757.00	2,757.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	5.41	0.00	Survey & Conn.@2676' Inc 5.41° Azm 250.69°
	2	03/06	Rotating	21:25	22:20	0.92	2,757.00	2,852.00	95.00	38	103.6	60	12,000	750	600	0	Gravity	0.00	5.43	0.00	Drilling - (WOB:38.00;GPM :750.00;RPM:60)
	2	03/06	MWD - Survey (MP)	22:20	22:25	0.08	2,852.00	2,852.00	0.00	38	0.0	60	12,000	750	600	0	Gravity	0.00	5.32	0.00	Survey & Conn.@2771' Inc 5.32° Azm 252.8°
	2	03/06	Rotating	22:25	23:20	0.92	2,852.00	2,946.00	94.00	35	102.6	60	12,000	750	650	0	Gravity	0.00	5.86	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:60)
	2	03/06	MWD - Survey (MP)	23:20	23:25	0.08	2,946.00	2,946.00	0.00	35	0.0	60	12,000	750	650	0	Gravity	0.00	5.45	0.00	Survey & Conn.@2865' Inc 5.45° Azm 255.52°
	2	03/06	Rotating	23:25	23:30	0.08	2,946.00	2,951.00	5.00	35	60.0	60	12,000	750	650	0	Gravity	0.00	5.88	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:60)
	2	03/06	Sliding	23:30	23:55	0.42	2,951.00	2,963.00	12.00	25	28.8	0	0	750	250	10R		0.00	5.95	0.00	Sliding - (WOB:25.00;GPM :750;TFO:10R))
	2	03/06	Rotating	23:55	23:59	0.08	2,963.00	2,965.00	2.00	35	24.0	80	12,000	750	500	0	Gravity	0.00	5.96	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
	2	03/07	Rotating	00:00	00:25	0.42	2,965.00	3,041.00	76.00	35	182.4	80	12,000	750	500	0	Gravity	0.00	6.39	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
	2	03/07	MWD - Survey (MP)	00:25	00:30	0.08	3,041.00	3,041.00	0.00	35	0.0	80	12,000	750	500	0	Gravity	0.00	5.93	0.00	Survey & Conn.@2960' Inc 5.93° Azm 258.78°
2	03/07	Rotating	00:30	00:35	0.08	3,041.00	3,048.00	7.00	35	84.0	80	12,000	750	500	0	Gravity	0.00	6.43	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)	
2	03/07	Sliding	00:35	01:00	0.42	3,048.00	3,068.00	20.00	25	48.0	0	0	750	300	0G	Gravity	0.00	6.59	0.00	Sliding - (WOB:25.00;GPM :750;TFO:0G))	

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2	03/07	Rotating	01:00	01:15	0.25	3,068.00	3,135.00	67.00	35	268.0	80	14,000	750	600	0	Gravity	0.00	7.21	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
2	03/07	MWD - Survey (MP)	01:15	01:20	0.08	3,135.00	3,135.00	0.00	35	0.0	80	14,000	750	600	0	Gravity	0.00	6.46	0.00	Survey & Conn.@3054' Inc 6.46° Azm 260.89°
2	03/07	Rotating	01:20	01:25	0.08	3,135.00	3,145.00	10.00	35	120.0	80	14,000	750	600	0	Gravity	0.00	7.30	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
2	03/07	Sliding	01:25	02:00	0.58	3,145.00	3,165.00	20.00	25	34.3	0	0	750	300	0G	Gravity	0.00	7.59	0.00	Sliding - (WOB:25.00;GPM :750;TFO:0G))
2	03/07	Rotating	02:00	02:35	0.58	3,165.00	3,230.00	65.00	35	111.4	80	14,000	750	600	0	Gravity	0.00	8.62	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
2	03/07	MWD - Survey (MP)	02:35	02:40	0.08	3,230.00	3,230.00	0.00	35	0.0	80	14,000	750	600	0	Gravity	0.00	7.34	0.00	Survey & Conn.@3149' Inc 7.34° Azm 260.01°
2	03/07	Rotating	02:40	02:45	0.08	3,230.00	3,240.00	10.00	35	120.0	80	14,000	750	600	0	Gravity	0.00	8.78	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
2	03/07	Sliding	02:45	03:30	0.75	3,240.00	3,260.00	20.00	25	26.7	0	0	750	300	0G	Gravity	0.00	8.97	0.00	Sliding - (WOB:25.00;GPM :750;TFO:0G))
2	03/07	Rotating	03:30	03:45	0.25	3,260.00	3,325.00	65.00	35	260.0	70	12,000	750	600	0	Gravity	0.00	9.52	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	03:50	03:55	0.08	3,325.00	3,325.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	8.84	0.00	Survey & Conn.@3244' Inc 8.84° Azm 262.91°
2	03/07	Rotating	03:55	04:15	0.33	3,325.00	3,419.00	94.00	35	282.0	70	12,000	750	600	0	Gravity	0.00	9.36	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	04:15	04:20	0.08	3,419.00	3,419.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	9.63	0.00	Survey & Conn.@3338' Inc 9.63° Azm 260.27°
2	03/07	Rotating	04:20	04:35	0.25	3,419.00	3,513.00	94.00	35	376.0	80	12,000	750	650	0	Gravity	0.00	9.42	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	04:35	04:40	0.08	3,513.00	3,513.00	0.00	35	0.0	80	12,000	750	650	0	Gravity	0.00	9.32	0.00	Survey & Conn.@3432' Inc 9.32° Azm 255.44°
2	03/07	Rotating	04:40	05:20	0.67	3,513.00	3,608.00	95.00	35	142.5	60	12,000	750	600	0	Gravity	0.00	9.23	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:60)
2	03/07	MWD - Survey (MP)	05:20	05:25	0.08	3,608.00	3,608.00	0.00	35	0.0	60	12,000	750	600	0	Gravity	0.00	9.45	0.00	Survey & Conn.@3527' Inc 9.45° Azm 249.37°
2	03/07	Rotating	05:25	06:10	0.75	3,608.00	3,703.00	95.00	35	126.7	80	12,000	750	600	0	Gravity	0.00	9.15	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
2	03/07	MWD - Survey (MP)	06:10	06:20	0.17	3,703.00	3,703.00	0.00	35	0.0	80	12,000	750	600	0	Gravity	0.00	9.19	0.00	Survey & Conn.@3622' Inc 9.19° Azm 248.14°
2	03/07	Rotating	06:20	06:55	0.58	3,703.00	3,798.00	95.00	35	162.9	80	12,000	750	600	0	Gravity	0.00	9.06	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
2	03/07	MWD - Survey (MP)	06:55	07:05	0.17	3,798.00	3,798.00	0.00	35	0.0	80	12,000	750	600	0	Gravity	0.00	9.14	0.00	Survey & Conn.@3717' Inc 9.14° Azm 250.07°
2	03/07	Rotating	07:05	07:15	0.17	3,798.00	3,892.00	94.00	35	564.0	80	12,000	750	600	0	Gravity	0.00	9.58	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:80)
2	03/07	MWD - Survey (MP)	07:15	07:25	0.17	3,892.00	3,892.00	0.00	35	0.0	80	12,000	750	600	0	Gravity	0.00	9.05	0.00	Survey & Conn.@3811' Inc 9.05° Azm 249.9°
2	03/07	Rotating	07:25	07:40	0.25	3,892.00	3,987.00	95.00	35	380.0	70	12,000	750	600	0	Gravity	0.00	10.16	0.00	Drilling -

Released to Imaging: 9/3/2023 1:58:20 PM

																				(WOB:35.00;GPM :750.00;RPM:80)
2	03/07	MWD - Survey (MP)	07:40	07:50	0.17	3,987.00	3,987.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	9.67	0.00	Survey & Conn.@3906' Inc 9.67° Azm 249.11°
2	03/07	Rotating	07:50	08:05	0.25	3,987.00	4,081.00	94.00	35	376.0	70	12,000	750	600	0	Gravity	0.00	10.85	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	08:05	08:15	0.17	4,081.00	4,081.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	10.24	0.00	Survey & Conn.@4000' Inc 10.24° Azm 247.88°
2	03/07	Rotating	08:15	08:25	0.17	4,081.00	4,175.00	94.00	35	564.0	70	12,000	750	600	0	Gravity	0.00	11.44	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	08:25	08:35	0.17	4,175.00	4,175.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	10.95	0.00	Survey & Conn.@4094' Inc 10.95° Azm 248.84°
2	03/07	Rotating	08:35	08:50	0.25	4,175.00	4,270.00	95.00	35	380.0	70	12,000	750	600	0	Gravity	0.00	12.09	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	08:50	09:00	0.17	4,270.00	4,270.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	11.52	0.00	Survey & Conn.@4189' Inc 11.52° Azm 249.11°
2	03/07	Rotating	09:00	09:20	0.33	4,270.00	4,364.00	94.00	35	282.0	70	12,000	750	600	0	Gravity	0.00	12.78	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	09:20	09:30	0.17	4,364.00	4,364.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	12.18	0.00	Survey & Conn.@4283' Inc 12.18° Azm 248.49°
2	03/07	Rotating	09:30	09:50	0.33	4,364.00	4,458.00	94.00	35	282.0	70	12,000	750	600	0	Gravity	0.00	13.53	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	09:50	10:05	0.25	4,458.00	4,458.00	0.00	35	0.0	70	12,000	750	600	0	Gravity	0.00	12.88	0.00	Survey & Conn.@4377' Inc 12.88° Azm 248.41°
2	03/07	Rotating	10:05	10:55	0.83	4,458.00	4,552.00	94.00	35	112.8	70	12,000	750	350	0	Gravity	0.00	0.00	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	MWD - Survey (MP)	10:55	11:05	0.17	4,552.00	4,552.00	0.00	35	0.0	70	12,000	750	350	0	Gravity	0.00	13.63	0.00	Survey & Conn.@4471' Inc 13.63° Azm 248.41°
2	03/07	Rotating	11:05	11:25	0.33	4,552.00	4,569.00	17.00	35	51.0	70	12,000	750	350	0	Gravity	0.00	0.00	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
2	03/07	Sliding	11:25	11:45	0.33	4,569.00	4,580.00	11.00	25	33.0	0	0	750	350	180	Gravity	0.00	0.00	0.00	Sliding - (WOB:25.00;GPM :750;TFO:180))
2	03/07	Rotating	11:45	12:00	0.25	4,580.00	4,600.00	20.00	35	80.0	70	12,000	750	350	0	Gravity	0.00	0.00	0.00	Drilling - (WOB:35.00;GPM :750.00;RPM:70)
3	03/07	Sliding	21:00	21:25	0.42	4,600.00	4,620.00	20.00	25	48.0	0	0	750	100	180	Gravity	0.00	12.64	3.27	Sliding - (WOB:25.00;GPM :750;TFO:180))
3	03/07	Sliding	21:45	22:20	0.58	4,659.00	4,679.00	20.00	25	34.3	0	0	750	200	180	Gravity	0.00	11.01	1.61	Sliding - (WOB:25.00;GPM :750;TFO:180))
3	03/08	Sliding	00:10	00:40	0.50	4,941.00	4,956.00	15.00	25	30.0	0	0	750	200	150R		0.00	9.62	0.46	Sliding - (WOB:25.00;GPM :750;TFO:150R))
3	03/08	Sliding	03:10	03:50	0.67	5,225.00	5,240.00	15.00	25	22.5	0	0	750	150	180	Gravity	0.00	9.80	0.19	Sliding - (WOB:25.00;GPM :750;TFO:180))
3	03/08	Sliding	05:10	05:40	0.50	5,415.00	5,430.00	15.00	25	30.0	0	0	750	150	170L		0.00	8.88	0.82	Sliding - (WOB:25.00;GPM :750;TFO:180))
3	03/08	Sliding	07:00	08:00	1.00	5,605.00	5,625.00	20.00	35	20.0	70	14,000	750	400	180	Gravity	0.00	7.73	1.01	Sliding - (WOB:35.00;GPM :750;TFO:180))

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																				:750;TFO:180))
3	03/08	Sliding	09:20	10:00	0.67	5,794.00	5,814.00	20.00	35	30.0	0	0	750	400	180	Gravity	0.00	6.02	0.79	Sliding - (WOB:35.00;GPM:750;TFO:180))
3	03/08	Sliding	12:00	13:00	1.00	5,983.00	6,003.00	20.00	35	20.0	0	0	750	400	180	Gravity	0.00	4.48	0.86	Sliding - (WOB:35.00;GPM:750;TFO:180))
3	03/08	Sliding	15:10	15:55	0.75	6,172.00	6,192.00	20.00	35	26.7	70	14,000	750	400	180	Gravity	0.00	2.74	0.42	Sliding - (WOB:35.00;GPM:750;TFO:180))
3	03/08	Sliding	18:05	19:20	1.25	6,361.00	6,381.00	20.00	35	16.0	0	0	750	200	65M	Magnetic	0.00	1.40	0.55	Sliding - (WOB:35.00;GPM:750;TFO:65M))
3	03/09	Sliding	05:15	06:00	0.75	6,942.00	6,952.00	10.00	35	13.3	0	0	750	150	40M	Magnetic	0.00	1.51	0.22	Sliding - (WOB:35.00;GPM:750;TFO:40M))
4	03/10	Sliding	06:35	07:40	1.08	7,495.00	7,515.00	20.00	25	18.5	0	0	650	250	30M	Magnetic	0.00	0.38	1.11	Sliding - (WOB:25.00;GPM:650;TFO:30M))
4	03/10	Sliding	15:10	17:50	2.67	7,873.00	7,893.00	20.00	25	7.5	0	0	650	250	270M	Magnetic	0.00	0.41	2.06	Sliding - (WOB:25.00;GPM:650;TFO:270M))
4	03/10	Sliding	18:50	19:25	0.58	7,961.00	7,965.00	4.00	25	6.9	0	0	650	250	270M	Magnetic	0.00	1.55	2.06	Sliding - (WOB:25.00;GPM:650;TFO:270M))
4	03/10	Sliding	19:35	20:45	1.17	7,965.00	7,970.00	5.00	25	4.3	0	0	650	250	270M	Magnetic	0.00	1.65	2.31	Sliding - (WOB:25.00;GPM:650;TFO:270M))
4	03/10	Sliding	20:50	21:55	1.08	7,970.00	7,986.00	16.00	25	14.8	0	0	650	250	270M	Magnetic	0.00	2.01	2.31	Sliding - (WOB:25.00;GPM:650;TFO:270M))
4	03/10	Sliding	23:00	23:59	1.00	8,060.00	8,068.00	8.00	25	8.0	0	0	650	150	270M	Magnetic	0.00	3.83	1.28	Sliding - (WOB:25.00;GPM:650;TFO:270M))
4	03/11	Sliding	00:00	01:05	1.08	8,068.00	8,077.00	9.00	25	8.3	0	0	650	150	270M	Magnetic	0.00	3.94	1.28	Sliding - (WOB:25.00;GPM:650.00;TFO:270M))
4	03/11	Sliding	03:10	04:20	1.17	8,248.00	8,263.00	15.00	25	12.9	0	0	650	100	180	Gravity	0.00	4.15	1.52	Sliding - (WOB:25.00;GPM:650;TFO:180))
4	03/11	Sliding	09:45	11:00	1.25	8,630.00	8,650.00	20.00	25	16.0	0	0	650	250	90M	Magnetic	0.00	1.55	1.19	Sliding - (WOB:25.00;GPM:650;TFO:90M))
4	03/11	Sliding	23:25	23:59	0.58	9,195.00	9,199.00	4.00	25	6.9	0	0	650	100	100M	Magnetic	0.00	1.51	1.58	Sliding - (WOB:25.00;GPM:650;TFO:100M))
4	03/12	Sliding	00:00	01:25	1.42	9,199.00	9,215.00	16.00	25	11.3	0	0	650	150	100M	Magnetic	0.00	1.40	1.58	Sliding - (WOB:25.00;GPM:650;TFO:100M))
4	03/12	Sliding	10:20	11:40	1.33	9,666.00	9,681.00	15.00	25	11.3	60	20,000	725	350	20M	Magnetic	0.00	1.48	0.51	Sliding - (WOB:25.00;GPM:650;TFO:20M))
5	06/18	Rotating	09:00	09:15	0.25	10,520.00	10,532.00	12.00	20	48.0	30	15,000	400	2,700			0.00		0.00	Rotate
5	06/18	Rotating	09:20	09:30	0.17	10,532.00	10,546.00	14.00	20	84.0	30	15,000	400	2,700			0.00		0.00	Rotate
5	06/18	Rotating	11:25	12:05	0.67	10,546.00	10,558.00	12.00	20	18.0	30	15,000	576	3,500			0.00		0.00	Rotate
5	06/18	Rotating	14:10	15:45	1.58	10,558.00	10,629.00	71.00	20	44.8	30	15,000	576	3,500			0.00		0.00	Rotate
5	06/18	MWD - Survey (MP)	15:45	15:55	0.17	10,629.00	10,629.00	0.00	20	0.0	30	15,000	576	3,500			10,575.00	1.67	212.65	0.02 @ 10575
5	06/18	Rotating	15:55	16:30	0.58	10,629.00	10,645.00	16.00	20	27.4	30	15,000	576	3,500			0.00		0.00	Rotate
5	06/18	Sliding	16:30	20:20	3.83	10,645.00	10,724.00	79.00	35	20.6	30	15,000	575	4,250	167M	Magnetic	0.00		0.00	Sliding
5	06/18	MWD - Survey (MP)	20:55	21:10	0.25	10,724.00	10,724.00	0.00		0.0	0	0	575				10,670.00	3.93	186.10	2.68 @ 10670
5	06/18	Rotating	21:10	21:25	0.25	10,724.00	10,734.00	10.00	30	40.0	20	15,000	576	3,500			0.00		0.00	Rotate
5	06/18	Sliding	21:25	23:59	2.58	10,734.00	10,807.00	73.00	35	28.3	20	15,000	575	4,250	167M	Magnetic	0.00		0.00	Sliding
5	06/19	Sliding	00:00	00:30	0.50	10,807.00	10,818.00	11.00	35	22.0		0	575	4,250	167M	Magnetic	0.00		0.00	Sliding

5	06/19	MWD - Survey (MP)	00:30	00:45	0.25	10,818.00	10,818.00	0.00	35	0.0	0	575	4,250	Magnetic	10,764.00	17.06	178.33	14.02	@ 10764	
5	06/19	Rotating	00:45	01:45	1.00	10,818.00	10,878.00	60.00	35	60.0	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	01:45	02:25	0.67	10,878.00	10,912.00	34.00	35	51.0	20	16,500	575	4,250	20L	Gravity	0.00		0.00	Sliding
5	06/19	MWD - Survey (MP)	02:25	02:40	0.25	10,912.00	10,912.00	0.00	35	0.0	0	575	4,250	Gravity	10,858.00	24.02	173.55	7.61	@ 10858	
5	06/19	Rotating	02:40	03:00	0.33	10,912.00	10,942.00	30.00	35	90.0	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	03:00	04:00	1.00	10,942.00	11,006.00	64.00	35	64.0	20	16,500	575	4,400	30L	Gravity	0.00		0.00	Sliding
5	06/19	MWD - Survey (MP)	04:00	04:15	0.25	11,006.00	11,006.00	0.00	35	0.0	0	575	4,400	Gravity	10,952.00	29.36	168.49	6.17	@ 10952	
5	06/19	Rotating	04:15	04:40	0.42	11,006.00	11,046.00	40.00	35	96.0	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	04:40	05:25	0.75	11,046.00	11,100.00	54.00	35	72.0	20	16,500	575	4,400	360G	Gravity	0.00		0.00	Sliding
5	06/19	MWD - Survey (MP)	05:25	05:35	0.17	11,100.00	11,100.00	0.00	35	0.0	0	575	4,400	Gravity	11,046.00	36.16	165.97	7.38	@ 11046	
5	06/19	Rotating	05:35	06:10	0.58	11,100.00	11,150.00	50.00	35	85.7	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	06:10	07:00	0.83	11,150.00	11,195.00	45.00	35	54.0	20	16,500	575	4,400	360G	Gravity	0.00		0.00	Sliding
5	06/19	MWD - Survey (MP)	07:00	07:10	0.17	11,195.00	11,195.00	0.00	35	0.0	0	575	4,400	Gravity	11,141.00	41.95	163.23	6.36	@ 11141	
5	06/19	Rotating	07:10	07:25	0.25	11,195.00	11,215.00	20.00	35	80.0	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	07:25	08:40	1.25	11,215.00	11,288.00	73.00	35	58.4	20	16,500	575	4,700	360G	Gravity	0.00		0.00	Sliding
5	06/19	MWD - Survey (MP)	08:40	08:50	0.17	11,288.00	11,288.00	0.00	35	0.0	0	575	4,700	Gravity	11,234.00	50.74	165.68	9.64	@ 11234	
5	06/19	Rotating	08:50	09:15	0.42	11,288.00	11,318.00	30.00	35	72.0	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	09:15	10:25	1.17	11,318.00	11,383.00	65.00	35	55.7	20	16,500	575	4,700	360G	Gravity	0.00		0.00	Sliding
5	06/19	MWD - Survey (MP)	10:25	10:35	0.17	11,383.00	11,383.00	0.00	35	0.0	0	575	4,700	Gravity	11,329.00	57.76	168.40	7.75	@ 11329	
5	06/19	Rotating	10:35	10:40	0.08	11,383.00	11,393.00	10.00	35	120.0	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	10:40	12:10	1.50	11,393.00	11,478.00	85.00	35	56.7	20	16,500	575	4,700	20L	Gravity	0.00		0.00	Sliding
5	06/19	MWD - Survey (MP)	12:10	12:20	0.17	11,478.00	11,478.00	0.00	35	0.0	0	575	4,700	Gravity	11,424.00	69.38	166.79	12.32	@ 11424	
5	06/19	Rotating	12:20	13:00	0.67	11,478.00	11,518.00	40.00	35	60.0	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	13:00	13:55	0.92	11,518.00	11,573.00	55.00	35	60.0	20	16,500	575	4,700	360G	Gravity	0.00		0.00	Sliding
5	06/19	MWD - Survey (MP)	13:55	14:05	0.17	11,573.00	11,573.00	0.00	35	0.0	0	575	4,700	Gravity	11,519.00	76.86	169.92	8.48	@ 11519	
5	06/19	Sliding	14:05	14:30	0.42	11,573.00	11,608.00	35.00	35	84.0	0	575	4,700	360G	Gravity	0.00		0.00	Sliding	
5	06/19	Rotating	14:30	15:20	0.83	11,608.00	11,667.00	59.00	35	70.8	20	16,500	575	4,300	Gravity	0.00		0.00	Rotate	
5	06/19	MWD - Survey (MP)	15:20	15:30	0.17	11,667.00	11,667.00	0.00	35	0.0	20	16,500	575	4,300		11,613.00	88.96	173.19	13.33	@ 11613
5	06/19	Rotating	15:30	16:25	0.92	11,667.00	11,762.00	95.00	35	103.6	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	MWD - Survey (MP)	17:00	17:10	0.17	11,762.00	11,762.00	0.00		0.0	20	16,500	575			11,708.00	87.06	172.79	2.04	@ 11708
5	06/19	Rotating	17:10	17:20	0.17	11,762.00	11,772.00	10.00	35	60.0	20	16,500	575	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	17:20	17:45	0.42	11,772.00	11,797.00	25.00	35	60.0	20	16,500	575	4,700	360G	Gravity	0.00		0.00	Sliding
5	06/19	Rotating	17:45	18:30	0.75	11,797.00	11,856.00	59.00	45	78.7	20	16,500	525	4,300	Gravity	0.00		0.00	Rotate	
5	06/19	MWD - Survey (MP)	18:30	18:40	0.17	11,856.00	11,856.00	0.00	45	0.0	20	16,500	525	4,300		11,802.00	90.84	175.76	5.11	@ 11802
5	06/19	Rotating	18:40	19:45	1.08	11,856.00	11,950.00	94.00	45	86.8	20	19,500	525	4,300	0.00			0.00	Rotate	
5	06/19	MWD - Survey (MP)	19:45	19:55	0.17	11,950.00	11,950.00	0.00	45	0.0	20	19,500	525	4,300		11,896.00	90.78	174.21	1.65	@ 11896
5	06/19	Rotating	19:55	20:00	0.08	11,950.00	11,965.00	15.00	45	180.0	20	19,500	525	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	20:00	20:30	0.50	11,965.00	11,983.00	18.00	35	36.0	20	19,500	525	4,300	90R	Gravity	0.00		0.00	Sliding
5	06/19	Rotating	20:30	21:05	0.58	11,983.00	12,045.00	62.00	45	106.3	20	19,500	525	4,300	Gravity	0.00		0.00	Rotate	
5	06/19	MWD - Survey (MP)	21:05	21:15	0.17	12,045.00	12,045.00	0.00	45	0.0	20	19,500	525	4,300		11,991.00	88.63	175.79	2.81	@ 11991
5	06/19	Rotating	21:15	21:20	0.08	12,045.00	12,055.00	10.00	45	120.0	20	22,000	525	4,300	0.00			0.00	Rotate	
5	06/19	Sliding	21:20	21:55	0.58	12,055.00	12,080.00	25.00	45	42.9	20	22,000	525	4,300	60R	Gravity	0.00		0.00	Sliding
5	06/19	Rotating	21:55	22:40	0.75	12,080.00	12,139.00	59.00	45	78.7	20	22,000	525	4,450	Gravity	0.00		0.00	Rotate	
5	06/19	MWD - Survey (MP)	22:40	22:50	0.17	12,139.00	12,139.00	0.00	45	0.0	20	22,000	525	4,450		12,085.00	90.42	178.94	3.85	@ 12085
5	06/19	Rotating	22:50	23:59	1.17	12,139.00	12,198.00	59.00	35	50.6	50	26,500	525	4,450	0.00			0.00	Rotate	
5	06/20	Rotating	00:00	00:35	0.58	12,198.00	12,234.00	36.00	35	61.7	50	26,500	525	4,450	0.00			0.00	Rotate	
5	06/20	MWD - Survey (MP)	00:35	00:45	0.17	12,234.00	12,234.00	0.00	35	0.0	50	26,500	525	4,450		12,180.00	89.97	179.82	1.04	@ 12180
5	06/20	Rotating	00:45	02:25	1.67	12,234.00	12,329.00	95.00	35	57.0	50	26,500	525	4,450	0.00			0.00	Rotate	
5	06/20	MWD - Survey (MP)	02:25	02:35	0.17	12,329.00	12,329.00	0.00	35	0.0	50	26,500	525	4,450		12,275.00	89.86	178.89	0.99	@ 12275
5	06/20	Rotating	02:35	03:35	1.00	12,329.00	12,424.00	95.00	35	95.0	50	26,500	525	4,450	0.00			0.00	Rotate	
5	06/20	MWD - Survey (MP)	03:35	03:45	0.17	12,424.00	12,424.00	0.00	35	0.0	50	26,500	525	4,450		12,370.00	89.89	178.01	0.93	@ 12370

5	06/20	Rotating	03:45	03:50	0.08	12,424.00	12,434.00	10.00	35	120.0	50	26,500	525	4,450			0.00		0.00	Rotate
5	06/20	Sliding	03:50	04:25	0.58	12,434.00	12,459.00	25.00	35	42.9	50	26,500	525	4,300	70R	Gravity	0.00		0.00	Sliding
5	06/20	Rotating	04:25	05:30	1.08	12,459.00	12,519.00	60.00	35	55.4	50	28,000	575	4,700		Gravity	0.00		0.00	Rotate
5	06/20	MWD - Survey (MP)	05:30	05:40	0.17	12,519.00	12,519.00	0.00	35	0.0	50	28,000	575	4,700			12,465.00	90.70	181.52	3.79 @ 12465
5	06/20	Rotating	05:40	06:45	1.08	12,519.00	12,614.00	95.00	35	87.7	50	28,000	575	4,700			0.00		0.00	Rotate
5	06/20	MWD - Survey (MP)	06:45	06:55	0.17	12,614.00	12,614.00	0.00	35	0.0	50	28,000	575	4,700			12,560.00	90.92	181.10	0.50 @ 12560
5	06/20	Rotating	06:55	08:15	1.33	12,614.00	12,708.00	94.00	35	70.5	50	28,000	575	4,700			0.00		0.00	Rotate
5	06/20	MWD - Survey (MP)	08:15	08:25	0.17	12,708.00	12,708.00	0.00	35	0.0	50	28,000	575	4,700			12,654.00	90.90	181.02	0.09 @ 12654
5	06/20	Rotating	08:25	09:35	1.17	12,708.00	12,803.00	95.00	35	81.4	50	28,000	575	4,700			0.00		0.00	Rotate
5	06/20	MWD - Survey (MP)	09:35	09:45	0.17	12,803.00	12,803.00	0.00	35	0.0	50	28,000	575	4,700			12,749.00	92.41	181.46	1.66 @ 12749
5	06/20	Rotating	09:45	10:00	0.25	12,803.00	12,813.00	10.00	35	40.0	50	28,000	575	4,700			0.00		0.00	Rotate
5	06/20	Sliding	10:00	10:40	0.67	12,813.00	12,833.00	20.00	35	30.0	50	28,000	525	4,300	140L	Gravity	0.00		0.00	Sliding
5	06/20	Rotating	10:40	11:30	0.83	12,833.00	12,898.00	65.00	35	78.0	50	28,000	575	4,700		Gravity	0.00		0.00	Rotate
5	06/20	MWD - Survey (MP)	11:30	11:40	0.17	12,898.00	12,898.00	0.00	35	0.0	50	28,000	575	4,700			12,844.00	88.21	177.94	5.77 @ 12844
5	06/20	Rotating	11:40	12:50	1.17	12,898.00	12,993.00	95.00	35	81.4	50	28,000	575	4,700			0.00		0.00	Rotate
5	06/20	MWD - Survey (MP)	13:20	13:30	0.17	12,993.00	12,993.00	0.00		0.0	50	28,000	575				12,939.00	86.50	175.54	3.10 @ 12939
5	06/20	Rotating	14:00	14:15	0.25	12,993.00	13,003.00	10.00	35	40.0	50	28,000	575	4,700			0.00		0.00	Rotate
5	06/20	Sliding	14:15	15:40	1.42	13,003.00	13,023.00	20.00	35	14.1	50	28,000	525	4,300	70R	Gravity	0.00		0.00	Sliding
5	06/20	Rotating	15:40	16:10	0.50	13,023.00	13,087.00	64.00	35	128.0	50	28,000	575	4,700		Gravity	0.00		0.00	Rotate
5	06/20	MWD - Survey (MP)	16:10	16:20	0.17	13,087.00	13,087.00	0.00	35	0.0	50	28,000	575	4,700			13,033.00	87.37	178.19	2.96 @ 13033
5	06/20	Rotating	16:20	16:45	0.42	13,087.00	13,116.00	29.00	35	69.6	50	28,000	575	4,700			0.00		0.00	Rotate
6	06/21	Rotating	15:00	15:35	0.58	13,116.00	13,183.00	67.00	35	114.9	80	20,000	525	4,800			0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	15:35	15:55	0.33	13,183.00	13,183.00	0.00	35	0.0	80	20,000	525	4,800			13,123.00	87.00	177.20	1.17 @ 13123
6	06/21	Rotating	15:55	16:05	0.17	13,183.00	13,193.00	10.00	35	60.0	80	20,000	575	5,400			0.00		0.00	Rotate
6	06/21	Sliding	16:05	16:45	0.67	13,193.00	13,218.00	25.00	30	37.5	80	20,000	575	5,100	50R	Gravity	0.00		0.00	Sliding
6	06/21	Rotating	16:45	17:10	0.42	13,218.00	13,278.00	60.00	35	144.0	80	20,000	575	5,400		Gravity	0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	17:10	17:20	0.17	13,278.00	13,278.00	0.00	35	0.0	80	20,000	575	5,400			13,218.00	88.74	178.82	2.50 @ 13218
6	06/21	Rotating	17:20	17:30	0.17	13,278.00	13,288.00	10.00	35	60.0	80	20,000	575	5,400			0.00		0.00	Rotate
6	06/21	Sliding	17:30	18:00	0.50	13,288.00	13,308.00	20.00	30	40.0	80	20,000	575	5,100	10R	Gravity	0.00		0.00	Sliding
6	06/21	Rotating	18:00	18:20	0.33	13,308.00	13,373.00	65.00	35	195.0	80	20,000	575	5,400		Gravity	0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	18:30	18:40	0.17	13,373.00	13,373.00	0.00		0.0	0	0	525				13,313.00	90.56	179.34	1.99 @ 13313
6	06/21	Rotating	18:40	19:00	0.33	13,373.00	13,468.00	95.00	35	285.0	80	21,500	575	5,400			0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	19:00	19:10	0.17	13,468.00	13,468.00	0.00	35	0.0	80	21,500	575	5,400			13,408.00	90.45	179.19	0.20 @ 13408
6	06/21	Rotating	19:10	19:30	0.33	13,468.00	13,562.00	94.00	35	282.0	80	21,500	575	5,600			0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	19:30	19:40	0.17	13,562.00	13,562.00	0.00	35	0.0	80	21,500	575	5,600			13,502.00	89.78	178.31	1.18 @ 13502
6	06/21	Rotating	19:40	19:45	0.08	13,562.00	13,572.00	10.00	35	120.0	80	21,500	575	5,600			0.00		0.00	Rotate
6	06/21	Sliding	19:45	20:55	1.17	13,572.00	13,597.00	25.00	30	21.4	80	21,500	575	5,100	70R	Gravity	0.00		0.00	Sliding
6	06/21	Rotating	20:55	21:20	0.42	13,597.00	13,657.00	60.00	35	144.0	80	21,500	575	5,600		Gravity	0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	21:20	21:30	0.17	13,657.00	13,657.00	0.00	35	0.0	80	21,500	575	5,600			13,597.00	89.61	179.85	1.63 @ 13597
6	06/21	Rotating	21:30	21:35	0.08	13,657.00	13,667.00	10.00	35	120.0	80	21,500	575	5,600			0.00		0.00	Rotate
6	06/21	Sliding	21:35	22:20	0.75	13,667.00	13,687.00	20.00	30	26.7	80	21,500	575	5,100	50R	Gravity	0.00		0.00	Sliding
6	06/21	Rotating	22:20	22:50	0.50	13,687.00	13,751.00	64.00	35	128.0	80	21,500	575	5,600		Gravity	0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	22:50	23:00	0.17	13,751.00	13,751.00	0.00	35	0.0	80	21,500	575	5,600			13,691.00	91.06	181.68	2.48 @ 13691
6	06/21	Rotating	23:00	23:25	0.42	13,751.00	13,846.00	95.00	35	228.0	80	23,000	575	5,600			0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	23:25	23:35	0.17	13,846.00	13,846.00	0.00	35	0.0	80	23,000	575	5,600			13,786.00	91.09	181.99	0.33 @ 13786
6	06/21	Rotating	23:35	23:55	0.33	13,846.00	13,941.00	95.00	35	285.0	80	23,000	575	5,600			0.00		0.00	Rotate
6	06/21	MWD - Survey (MP)	23:55	23:59	0.08	13,941.00	13,941.00	0.00	35	0.0	80	23,000	575	5,600			13,881.00	91.40	182.18	0.38 @ 13881
6	06/22	Rotating	00:00	00:40	0.67	13,941.00	14,036.00	95.00	35	142.5	80	23,000	575	5,600			0.00		0.00	Rotate
6	06/22	MWD - Survey (MP)	00:40	00:50	0.17	14,036.00	14,036.00	0.00	35	0.0	80	23,000	575	5,600			13,976.00	91.09	181.93	0.42 @ 13976
6	06/22	Rotating	00:50	01:15	0.42	14,036.00	14,130.00	94.00	35	225.6	80	23,000	575	5,600			0.00		0.00	Rotate
6	06/22	MWD - Survey (MP)	01:15	01:25	0.17	14,130.00	14,130.00	0.00	35	0.0	80	23,000	575	5,600			14,070.00	90.08	181.20	1.33 @ 14070

6	06/22	Rotating	01:25	01:50	0.42	14,130.00	14,225.00	95.00	40	228.0	80	23,000	575	5,600		0.00	0.00	Rotate		
6	06/22	MWD - Survey (MP)	01:50	02:00	0.17	14,225.00	14,225.00	0.00	40	0.0	80	23,000	575	5,600		14,165.00	89.41	180.75	0.85	@ 14165
6	06/22	Rotating	02:00	02:35	0.58	14,225.00	14,318.00	93.00	40	159.4	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	02:35	02:45	0.17	14,318.00	14,318.00	0.00	40	0.0	80	23,000	575	5,600		14,258.00	89.08	180.81	0.36	@ 14258
6	06/22	Rotating	02:45	03:15	0.50	14,318.00	14,413.00	95.00	40	190.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	03:15	03:25	0.17	14,413.00	14,413.00	0.00	40	0.0	80	23,000	575	5,600		14,353.00	88.49	180.30	0.82	@ 14353
6	06/22	Rotating	03:25	03:30	0.08	14,413.00	14,423.00	10.00	40	120.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	Sliding	03:30	04:30	1.00	14,423.00	14,448.00	25.00	37	25.0	80	23,000	575	5,350	360G	Gravity	0.00		0.00	Sliding
6	06/22	Rotating	04:30	04:50	0.33	14,448.00	14,507.00	59.00	40	177.0	80	23,000	575	5,600		Gravity	0.00		0.00	Rotate
6	06/22	MWD - Survey (MP)	04:50	05:00	0.17	14,507.00	14,507.00	0.00	40	0.0	80	23,000	575	5,600		14,447.00	90.50	180.25	2.14	@ 14447
6	06/22	Rotating	05:00	05:25	0.42	14,507.00	14,601.00	94.00	40	225.6	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	05:25	05:35	0.17	14,601.00	14,601.00	0.00	40	0.0	80	23,000	575	5,600		14,541.00	90.67	179.90	0.41	@ 14541
6	06/22	Rotating	05:35	06:00	0.42	14,601.00	14,696.00	95.00	40	228.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	06:00	06:10	0.17	14,696.00	14,696.00	0.00	40	0.0	80	23,000	575	5,600		14,636.00	90.39	179.49	0.52	@ 14636
6	06/22	Rotating	06:10	06:30	0.33	14,696.00	14,792.00	96.00	40	288.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	06:30	06:40	0.17	14,792.00	14,792.00	0.00	40	0.0	80	23,000	575	5,600		14,732.00	89.66	179.03	0.90	@ 14732
6	06/22	Rotating	06:40	07:10	0.50	14,792.00	14,886.00	94.00	40	188.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	07:10	07:20	0.17	14,886.00	14,886.00	0.00	40	0.0	80	23,000	575	5,600		14,826.00	89.10	179.10	0.60	@ 14826
6	06/22	Rotating	07:20	07:50	0.50	14,886.00	14,981.00	95.00	40	190.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	07:50	08:00	0.17	14,981.00	14,981.00	0.00	40	0.0	80	23,000	575	5,600		14,921.00	88.68	178.89	0.49	@ 14921
6	06/22	Rotating	08:00	08:10	0.17	14,981.00	15,001.00	20.00	40	120.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	Sliding	08:10	09:00	0.83	15,001.00	15,021.00	20.00	37	24.0	80	23,000	575	5,350	20R	Gravity	0.00		0.00	Sliding
6	06/22	Rotating	09:00	09:20	0.33	15,021.00	15,076.00	55.00	40	165.0	80	23,000	575	5,600		Gravity	0.00		0.00	Rotate
6	06/22	MWD - Survey (MP)	09:20	09:30	0.17	15,076.00	15,076.00	0.00	40	0.0	80	23,000	575	5,600		15,016.00	89.52	179.15	0.93	@ 15016
6	06/22	Rotating	09:30	10:00	0.50	15,076.00	15,172.00	96.00	40	192.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	10:00	10:10	0.17	15,172.00	15,172.00	0.00	40	0.0	80	23,000	575	5,600		15,112.00	90.14	179.28	0.66	@ 15112
6	06/22	Rotating	10:10	10:30	0.33	15,172.00	15,266.00	94.00	40	282.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	10:30	10:40	0.17	15,266.00	15,266.00	0.00	40	0.0	80	23,000	575	5,600		15,206.00	89.52	179.25	0.66	@ 15206
6	06/22	Rotating	10:40	10:50	0.17	15,266.00	15,276.00	10.00	40	60.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	Sliding	10:50	11:30	0.67	15,276.00	15,296.00	20.00	37	30.0	80	23,000	575	5,350	20R	Gravity	0.00		0.00	Sliding
6	06/22	Rotating	11:30	12:00	0.50	15,296.00	15,361.00	65.00	40	130.0	80	23,000	575	5,600		Gravity	0.00		0.00	Rotate
6	06/22	MWD - Survey (MP)	12:00	12:10	0.17	15,361.00	15,361.00	0.00	40	0.0	80	23,000	575	5,600		15,301.00	91.09	180.88	2.38	@ 15301
6	06/22	Rotating	12:10	13:10	1.00	15,361.00	15,551.00	190.00	40	190.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	13:10	13:20	0.17	15,551.00	15,551.00	0.00	40	0.0	80	23,000	575	5,600		15,491.00	90.62	180.70	0.26	@ 15491
6	06/22	Rotating	13:20	13:55	0.58	15,551.00	15,646.00	95.00	40	162.9	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	13:55	14:05	0.17	15,646.00	15,646.00	0.00	40	0.0	80	23,000	575	5,600		15,586.00	89.97	180.62	0.69	@ 15586
6	06/22	Rotating	14:05	14:30	0.42	15,646.00	15,741.00	95.00	40	228.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	14:30	14:40	0.17	15,741.00	15,741.00	0.00	40	0.0	80	23,000	575	5,600		15,681.00	89.33	180.69	0.68	@ 15681
6	06/22	Rotating	14:40	15:10	0.50	15,741.00	15,835.00	94.00	40	188.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	15:10	15:20	0.17	15,835.00	15,835.00	0.00	40	0.0	80	23,000	575	5,600		15,775.00	89.08	180.26	0.53	@ 15775
6	06/22	Rotating	15:20	15:30	0.17	15,835.00	15,845.00	10.00	40	60.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	Sliding	15:30	16:15	0.75	15,845.00	15,865.00	20.00	37	26.7	80	23,000	575	5,350	360G	Gravity	0.00		0.00	Sliding
6	06/22	Rotating	16:15	16:40	0.42	15,865.00	15,930.00	65.00	40	156.0	80	23,000	575	5,600		Gravity	0.00		0.00	Rotate
6	06/22	MWD - Survey (MP)	17:05	17:15	0.17	15,930.00	15,930.00	0.00		0.0	80	23,000	575			15,870.00	90.28	181.06	1.52	@ 15870
6	06/22	Rotating	17:15	17:30	0.25	15,930.00	16,024.00	94.00	40	376.0	80	23,000	575	5,600		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	17:30	17:40	0.17	16,024.00	16,024.00	0.00	40	0.0	80	23,000	575	5,600		15,964.00	90.08	181.20	0.26	@ 15964
6	06/22	Rotating	17:40	18:15	0.58	16,024.00	16,119.00	95.00	45	162.9	80	26,000	575	5,850		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	18:15	18:25	0.17	16,119.00	16,119.00	0.00	45	0.0	80	26,000	575	5,850		16,059.00	89.64	181.04	0.49	@ 16059
6	06/22	Rotating	18:25	18:50	0.42	16,119.00	16,213.00	94.00	45	225.6	80	26,000	575	5,850		0.00		0.00		Rotate
6	06/22	MWD - Survey (MP)	18:50	19:00	0.17	16,213.00	16,213.00	0.00	45	0.0	80	26,000	575	5,850		16,153.00	90.03	182.17	1.27	@ 16153
6	06/22	Rotating	19:00	19:05	0.08	16,213.00	16,223.00	10.00	45	120.0	80	26,000	575	5,850		0.00		0.00		Rotate

6	06/22	Sliding	19:05	20:15	1.17	16,223.00	16,243.00	20.00	44	17.1	80	26,000	575	5,350	80L	Gravity	0.00	0.00	Sliding		
6	06/22	Rotating	20:15	20:40	0.42	16,243.00	16,307.00	64.00	40	153.6	80	24,000	575	5,800		Gravity	0.00	0.00	Rotate		
6	06/22	MWD - Survey (MP)	20:40	20:50	0.17	16,307.00	16,307.00	0.00	40	0.0	80	24,000	575	5,800			16,247.00	90.39	181.46	0.85	@ 16247
6	06/22	Rotating	20:50	20:55	0.08	16,307.00	16,317.00	10.00	40	120.0	80	24,000	575	5,800			0.00		0.00	0.00	Rotate
6	06/22	Sliding	20:55	22:00	1.08	16,317.00	16,337.00	20.00	44	18.5	80	24,000	575	5,350	80L	Gravity	0.00		0.00	0.00	Sliding
6	06/22	Rotating	22:00	22:40	0.67	16,337.00	16,401.00	64.00	40	96.0	80	24,000	575	5,800		Gravity	0.00		0.00	0.00	Rotate
6	06/22	MWD - Survey (MP)	22:40	22:50	0.17	16,401.00	16,401.00	0.00	40	0.0	80	24,000	575	5,800			16,341.00	90.78	180.57	1.03	@ 16341
6	06/22	Rotating	22:50	22:55	0.08	16,401.00	16,411.00	10.00	40	120.0	80	24,000	575	5,800			0.00		0.00	0.00	Rotate
6	06/22	Sliding	22:55	23:59	1.08	16,411.00	16,429.00	18.00	25	16.6	80	24,000	575	5,350	90L	Gravity	0.00		0.00	0.00	Sliding
6	06/23	Sliding	00:00	00:25	0.42	16,429.00	16,436.00	7.00	25	16.8		0	575	5,350	90L	Gravity	0.00		0.00	0.00	Sliding
6	06/23	Rotating	00:25	00:55	0.50	16,436.00	16,496.00	60.00	40	120.0	80	24,500	575	5,800		Gravity	0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	01:05	01:15	0.17	16,496.00	16,496.00	0.00	40	0.0	0	0	200	5,800			16,436.00	90.59	177.93	2.79	@ 16436
6	06/23	Rotating	01:15	01:40	0.42	16,496.00	16,591.00	95.00	40	228.0	80	24,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	01:40	01:50	0.17	16,591.00	16,591.00	0.00	40	0.0	80	24,500	575	5,800			16,531.00	90.56	177.17	0.80	@ 16531
6	06/23	Rotating	01:50	02:15	0.42	16,591.00	16,685.00	94.00	40	225.6	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	02:15	02:25	0.17	16,685.00	16,685.00	0.00	40	0.0	80	26,500	575	5,800			16,625.00	89.92	177.27	0.69	@ 16625
6	06/23	Rotating	02:25	03:05	0.67	16,685.00	16,780.00	95.00	40	142.5	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	03:05	03:15	0.17	16,780.00	16,780.00	0.00	40	0.0	80	26,500	575	5,800			16,720.00	90.25	178.25	1.09	@ 16720
6	06/23	Rotating	03:15	03:50	0.58	16,780.00	16,875.00	95.00	40	162.9	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	03:50	04:00	0.17	16,875.00	16,875.00	0.00	40	0.0	80	26,500	575	5,800			16,815.00	89.78	178.31	0.50	@ 16815
6	06/23	Rotating	04:00	04:35	0.58	16,875.00	16,970.00	95.00	40	162.9	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	04:35	04:45	0.17	16,970.00	16,970.00	0.00	40	0.0	80	26,500	575	5,800			16,910.00	90.11	178.39	0.36	@ 16910
6	06/23	Rotating	04:45	05:20	0.58	16,970.00	17,064.00	94.00	40	161.1	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	05:20	05:30	0.17	17,064.00	17,064.00	0.00	40	0.0	80	26,500	575	5,800			17,004.00	90.50	179.05	0.82	@ 17004
6	06/23	Rotating	05:30	06:00	0.50	17,064.00	17,158.00	94.00	40	188.0	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	06:00	06:10	0.17	17,158.00	17,158.00	0.00	40	0.0	80	26,500	575	5,800			17,098.00	90.00	178.82	0.59	@ 17098
6	06/23	Rotating	06:10	06:35	0.42	17,158.00	17,253.00	95.00	40	228.0	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	06:35	06:45	0.17	17,253.00	17,253.00	0.00	40	0.0	80	26,500	575	5,800			17,193.00	87.79	177.45	2.74	@ 17193
6	06/23	Rotating	06:45	06:50	0.08	17,253.00	17,263.00	10.00	40	120.0	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	Sliding	06:50	07:25	0.58	17,263.00	17,276.00	13.00	25	22.3	80	26,500	575	5,350	30R	Gravity	0.00		0.00	0.00	Sliding
6	06/23	Sliding	13:00	13:45	0.75	17,276.00	17,288.00	12.00	25	16.0		0	575	5,350	30R	Gravity	0.00		0.00	0.00	Sliding
6	06/23	Rotating	13:45	14:20	0.58	17,288.00	17,347.00	59.00	40	101.1	80	26,500	575	5,800		Gravity	0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	14:20	14:30	0.17	17,347.00	17,347.00	0.00	40	0.0	80	26,500	575	5,800			17,287.00	90.11	179.09	3.02	@ 17287
6	06/23	Rotating	14:30	15:00	0.50	17,347.00	17,442.00	95.00	40	190.0	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	15:00	15:10	0.17	17,442.00	17,442.00	0.00	40	0.0	80	26,500	575	5,800			17,382.00	89.61	178.54	0.78	@ 17382
6	06/23	Rotating	15:10	15:15	0.08	17,442.00	17,459.00	17.00	40	204.0	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	Sliding	15:15	16:00	0.75	17,459.00	17,479.00	20.00	25	26.7	80	26,500	575	5,350	30R	Gravity	0.00		0.00	0.00	Sliding
6	06/23	Rotating	16:00	16:40	0.67	17,479.00	17,537.00	58.00	40	87.0	80	26,500	575	5,800		Gravity	0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	16:40	16:50	0.17	17,537.00	17,537.00	0.00	40	0.0	80	26,500	575	5,800			17,477.00	91.04	180.34	2.42	@ 17477
6	06/23	Rotating	16:50	17:15	0.42	17,537.00	17,631.00	94.00	40	225.6	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	17:15	17:25	0.17	17,631.00	17,631.00	0.00	40	0.0	80	26,500	575	5,800			17,571.00	92.27	181.92	2.13	@ 17571
6	06/23	Rotating	17:25	18:05	0.67	17,631.00	17,726.00	95.00	40	142.5	80	26,500	575	5,800			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	18:25	18:30	0.08	17,726.00	17,726.00	0.00		0.0		0	525	5,800			17,666.00	91.32	181.60	1.06	@ 17666
6	06/23	Rotating	18:30	19:10	0.67	17,726.00	17,820.00	94.00	40	141.0	80	26,500	525	5,600			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	19:10	19:20	0.17	17,820.00	17,820.00	0.00	40	0.0	80	26,500	525	5,600			17,760.00	90.48	181.14	1.02	@ 17760
6	06/23	Rotating	19:20	19:50	0.50	17,820.00	17,914.00	94.00	40	188.0	80	26,500	525	5,600			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	19:50	20:00	0.17	17,914.00	17,914.00	0.00	40	0.0	80	26,500	525	5,600			17,854.00	89.75	180.67	0.92	@ 17854
6	06/23	Rotating	20:00	20:30	0.50	17,914.00	18,009.00	95.00	40	190.0	80	26,500	525	5,600			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	20:30	20:40	0.17	18,009.00	18,009.00	0.00	40	0.0	80	26,500	525	5,600			17,949.00	89.89	181.79	1.19	@ 17949
6	06/23	Rotating	20:40	21:20	0.67	18,009.00	18,103.00	94.00	40	141.0	80	26,500	525	5,600			0.00		0.00	0.00	Rotate
6	06/23	MWD - Survey (MP)	21:20	21:30	0.17	18,103.00	18,103.00	0.00	40	0.0	80	26,500	525	5,600			18,043.00	89.72	182.20	0.47	@ 18043

6	06/23	Rotating	21:30	21:40	0.17	18,103.00	18,121.00	18.00	40	108.0	80	26,500	525	5,600		0.00	0.00	Rotate			
6	06/23	Sliding	21:40	23:45	2.08	18,121.00	18,146.00	25.00	25	12.0	80	26,500	525	5,100	90L	Gravity	0.00	0.00	Sliding		
6	06/23	Rotating	23:45	23:59	0.25	18,146.00	18,173.00	27.00	40	108.0	80	26,500	525	5,600		Gravity	0.00	0.00	Rotate		
6	06/24	Rotating	00:00	00:10	0.17	18,173.00	18,197.00	24.00	40	144.0	80	26,500	525	5,600			0.00	0.00	Rotate		
6	06/24	MWD - Survey (MP)	00:20	00:30	0.17	18,197.00	18,197.00	0.00		0.0	80	15,000	575				18,137.00	90.64	181.66	1.13	@ 18137
6	06/24	Rotating	00:30	01:15	0.75	18,197.00	18,292.00	95.00	35	126.7	80	24,000	575	6,150			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	01:15	01:25	0.17	18,292.00	18,292.00	0.00	35	0.0	80	24,000	575	6,150			18,232.00	89.55	180.17	1.94	@ 18232
6	06/24	Rotating	01:25	02:00	0.58	18,292.00	18,387.00	95.00	40	162.9	80	25,000	525	5,800			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	02:00	02:10	0.17	18,387.00	18,387.00	0.00	40	0.0	80	25,000	525	5,800			18,327.00	89.86	181.07	1.00	@ 18327
6	06/24	Rotating	02:10	02:20	0.17	18,387.00	18,403.00	16.00	40	96.0	80	25,000	575	6,100			0.00		0.00	0.00	Rotate
6	06/24	Sliding	02:20	02:35	0.25	18,403.00	18,405.00	2.00	20	8.0	80	25,000	575	5,650	70L	Gravity	0.00		0.00	0.00	Sliding
6	06/24	Sliding	03:05	04:20	1.25	18,405.00	18,423.00	18.00	20	14.4	60	10,000	525	5,350	70L	Gravity	0.00		0.00	0.00	Sliding
6	06/24	Rotating	04:20	04:45	0.42	18,423.00	18,482.00	59.00	40	141.6	80	25,000	525	6,100		Gravity	0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	04:45	04:55	0.17	18,482.00	18,482.00	0.00	40	0.0	80	25,000	525	6,100			18,422.00	90.31	179.08	2.15	@ 18422
6	06/24	Rotating	04:55	05:25	0.50	18,482.00	18,577.00	95.00	40	190.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	05:25	05:35	0.17	18,577.00	18,577.00	0.00	40	0.0	80	25,000	525	6,100			18,517.00	90.31	176.75	2.45	@ 18517
6	06/24	Rotating	05:35	05:50	0.25	18,577.00	18,648.00	71.00	40	284.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	Rotating	06:00	06:15	0.25	18,648.00	18,672.00	24.00	40	96.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	06:15	06:25	0.17	18,672.00	18,672.00	0.00	40	0.0	80	25,000	525	6,100			18,612.00	88.74	175.99	1.84	@ 18612
6	06/24	Rotating	06:25	07:05	0.67	18,672.00	18,767.00	95.00	40	142.5	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	07:45	07:55	0.17	18,767.00	18,767.00	0.00		0.0	80	14,000	525				18,707.00	88.60	176.56	0.62	@ 18707
6	06/24	Rotating	07:55	08:10	0.25	18,767.00	18,780.00	13.00	40	52.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	Sliding	08:10	08:25	0.25	18,780.00	18,783.00	3.00	20	12.0	80	25,000	525	5,350	30R	Gravity	0.00		0.00	0.00	Sliding
6	06/24	Sliding	09:20	10:00	0.67	18,783.00	18,800.00	17.00	35	25.5	80	14,000	525	5,350	30R	Gravity	0.00		0.00	0.00	Sliding
6	06/24	Rotating	10:00	10:50	0.83	18,800.00	18,862.00	62.00	40	74.4	80	25,000	525	6,100		Gravity	0.00		0.00	0.00	Rotate
6	06/24	Rotating	10:50	11:00	0.17	18,862.00	18,862.00	0.00	40	0.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	11:00	11:10	0.17	18,862.00	18,862.00	0.00	40	0.0	80	25,000	525	6,100			18,802.00	89.47	177.70	1.51	@ 18802
6	06/24	Rotating	11:10	11:20	0.17	18,862.00	18,872.00	10.00	40	60.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	Sliding	11:20	12:45	1.42	18,872.00	18,892.00	20.00	35	14.1	80	25,000	525	5,350	30R	Gravity	0.00		0.00	0.00	Sliding
6	06/24	Rotating	12:45	13:25	0.67	18,892.00	18,956.00	64.00	40	96.0	80	25,000	525	6,100		Gravity	0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	13:25	13:35	0.17	18,956.00	18,956.00	0.00	40	0.0	80	25,000	525	6,100			18,896.00	90.25	179.46	2.05	@ 18896
6	06/24	Rotating	13:35	14:00	0.42	18,956.00	19,050.00	94.00	40	225.6	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	14:30	14:40	0.17	19,050.00	19,050.00	0.00		0.0	80	25,000	525				18,990.00	90.11	179.68	0.28	@ 18990
6	06/24	Rotating	14:40	14:50	0.17	19,050.00	19,080.00	30.00	40	180.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	Rotating	15:00	15:20	0.33	19,080.00	19,133.00	53.00	40	159.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	Rotating	15:35	15:45	0.17	19,133.00	19,145.00	12.00	40	72.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	15:45	15:55	0.17	19,145.00	19,145.00	0.00	40	0.0	80	25,000	525	6,100			19,085.00	89.58	179.65	0.56	@ 19085
6	06/24	Rotating	15:55	16:10	0.25	19,145.00	19,155.00	10.00	40	40.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	Sliding	16:10	17:10	1.00	19,155.00	19,175.00	20.00	35	20.0	80	25,000	525	5,350	30R	Gravity	0.00		0.00	0.00	Sliding
6	06/24	Rotating	17:10	17:50	0.67	19,175.00	19,239.00	64.00	40	96.0	80	25,000	525	6,100		Gravity	0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	17:50	18:00	0.17	19,239.00	19,239.00	0.00	40	0.0	80	25,000	525	6,100			19,179.00	89.89	181.03	1.50	@ 19179
6	06/24	Rotating	18:00	18:40	0.67	19,239.00	19,334.00	95.00	40	142.5	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	18:40	18:50	0.17	19,334.00	19,334.00	0.00	40	0.0	80	25,000	525	6,100			19,274.00	90.59	181.89	1.17	@ 19274
6	06/24	Rotating	18:50	19:40	0.83	19,334.00	19,429.00	95.00	40	114.0	80	25,000	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	19:40	19:50	0.17	19,429.00	19,429.00	0.00	40	0.0	80	25,000	525	6,100			19,369.00	89.19	181.30	1.60	@ 19369
6	06/24	Rotating	19:50	20:00	0.17	19,429.00	19,447.00	18.00	40	108.0	80	26,500	525	6,100			0.00		0.00	0.00	Rotate
6	06/24	Sliding	20:00	21:15	1.25	19,447.00	19,460.00	13.00	35	10.4	80	26,500	525	5,350	0 HS	Gravity	0.00		0.00	0.00	Sliding
6	06/24	Sliding	21:35	22:00	0.42	19,460.00	19,467.00	7.00	24	16.8	0	0	525	5,350	0 HS	Gravity	0.00		0.00	0.00	Sliding
6	06/24	Rotating	22:00	22:30	0.50	19,467.00	19,523.00	56.00	40	112.0	80	26,500	525	6,100		Gravity	0.00		0.00	0.00	Rotate
6	06/24	MWD - Survey (MP)	22:30	22:40	0.17	19,523.00	19,523.00	0.00	40	0.0	80	26,500	525	6,100			19,463.00	89.92	181.57	0.83	@ 19463
6	06/24	Rotating	22:40	23:15	0.58	19,523.00	19,617.00	94.00	40	161.1	80	26,500	575	6,700			0.00		0.00	0.00	Rotate

6	06/24	MWD - Survey (MP)	23:15	23:25	0.17	19,617.00	19,617.00	0.00	40	0.0	80	26,500	575	6,700		19,557.00	90.08	181.55	0.17	@ 19557
6	06/24	Rotating	23:25	23:59	0.58	19,617.00	19,711.00	94.00	40	161.1	80	26,500	575	6,700		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	00:00	00:10	0.17	19,711.00	19,711.00	0.00	40	0.0	80	26,500	575	6,700		19,651.00	89.72	181.34	0.44	@ 19651
6	06/25	Rotating	00:10	00:40	0.50	19,711.00	19,806.00	95.00	40	190.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	00:40	00:50	0.17	19,806.00	19,806.00	0.00	40	0.0	80	26,500	525	5,800		19,746.00	89.61	181.35	0.12	@ 19746
6	06/25	Rotating	00:50	01:20	0.50	19,806.00	19,859.00	53.00	40	106.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	Sliding	01:20	03:15	1.92	19,859.00	19,884.00	25.00	30	13.0	80	26,500	525	5,800	0 HS	Gravity	0.00		0.00	Sliding
6	06/25	Rotating	03:15	03:30	0.25	19,884.00	19,901.00	17.00	40	68.0	80	26,500	525	5,800		Gravity	0.00		0.00	Rotae
6	06/25	MWD - Survey (MP)	03:45	03:50	0.08	19,901.00	19,901.00	0.00		0.0	0		132			19,841.00	88.74	181.03	0.98	@ 19841
6	06/25	Rotating	03:50	04:20	0.50	19,901.00	19,996.00	95.00	40	190.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	04:20	04:30	0.17	19,996.00	19,996.00	0.00	40	0.0	80	26,500	525	5,800		19,936.00	89.64	182.20	1.55	@ 19936
6	06/25	Rotating	04:30	04:45	0.25	19,996.00	20,013.00	17.00	40	68.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	Sliding	04:45	06:20	1.58	20,013.00	20,038.00	25.00	30	15.8	80	26,500	525	5,800	60L	Gravity	0.00		0.00	Sliding
6	06/25	Rotating	06:20	06:55	0.58	20,038.00	20,089.00	51.00	40	87.4	80	26,500	525	5,800		Gravity	0.00		0.00	Rotate
6	06/25	MWD - Survey (MP)	06:55	07:05	0.17	20,089.00	20,089.00	0.00	40	0.0	80	26,500	525	5,800		20,029.00	90.25	181.54	0.97	@ 20029
6	06/25	Rotating	07:05	07:15	0.17	20,089.00	20,099.00	10.00	40	60.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	Sliding	07:15	09:00	1.75	20,099.00	20,119.00	20.00	30	11.4	80	26,500	525	5,800	60L	Gravity	0.00		0.00	Sliding
6	06/25	Rotating	09:00	09:40	0.67	20,119.00	20,184.00	65.00	40	97.5	80	26,500	525	5,800		Gravity	0.00		0.00	Rotate
6	06/25	MWD - Survey (MP)	09:40	09:50	0.17	20,184.00	20,184.00	0.00	40	0.0	80	26,500	525	5,800		20,124.00	90.78	181.17	0.68	@ 20124
6	06/25	Rotating	09:50	10:25	0.58	20,184.00	20,280.00	96.00	40	164.6	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	10:25	10:35	0.17	20,280.00	20,280.00	0.00	40	0.0	80	26,500	525	5,800		20,220.00	90.81	181.58	0.43	@ 20220
6	06/25	Rotating	10:35	11:15	0.67	20,280.00	20,374.00	94.00	40	141.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	11:15	11:25	0.17	20,374.00	20,374.00	0.00	40	0.0	80	26,500	525	5,800		20,314.00	90.36	182.03	0.68	@ 20314
6	06/25	Rotating	11:25	11:35	0.17	20,374.00	20,384.00	10.00	40	60.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	Sliding	11:35	14:30	2.92	20,384.00	20,409.00	25.00	30	8.6	80	26,500	525	5,800	90L	Gravity	0.00		0.00	Sliding
6	06/25	Rotating	14:30	15:00	0.50	20,409.00	20,469.00	60.00	40	120.0	80	26,500	525	5,800		Gravity	0.00		0.00	Rotate
6	06/25	MWD - Survey (MP)	15:30	15:40	0.17	20,469.00	20,469.00	0.00		0.0	80	26,500	525			20,409.00	89.61	180.29	1.99	@ 20409
6	06/25	Rotating	15:40	15:50	0.17	20,469.00	20,479.00	10.00	40	60.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	Sliding	15:50	17:00	1.17	20,479.00	20,499.00	20.00	30	17.1	80	26,500	525	5,800	60L	Gravity	0.00		0.00	Sliding
6	06/25	Rotating	17:00	17:35	0.58	20,499.00	20,563.00	64.00	40	109.7	80	26,500	525	5,800		Gravity	0.00		0.00	Rotate
6	06/25	MWD - Survey (MP)	17:35	17:45	0.17	20,563.00	20,563.00	0.00	40	0.0	80	26,500	525	5,800		20,508.00	89.78	178.21	2.11	@ 20508
6	06/25	Rotating	17:45	18:40	0.92	20,563.00	20,658.00	95.00	40	103.6	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	18:40	18:50	0.17	20,658.00	20,658.00	0.00	40	0.0	80	26,500	525	5,800		20,598.00	89.69	178.63	0.48	@ 20598
6	06/25	Rotating	18:50	19:35	0.75	20,658.00	20,753.00	95.00	40	126.7	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	19:35	19:45	0.17	20,753.00	20,753.00	0.00	40	0.0	80	26,500	525	5,800		20,693.00	89.41	178.44	0.36	@ 20693
6	06/25	Rotating	19:45	20:40	0.92	20,753.00	20,847.00	94.00	40	102.6	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	20:40	20:50	0.17	20,847.00	20,847.00	0.00	40	0.0	80	26,500	525	5,800		20,787.00	89.66	179.11	0.76	@ 20787
6	06/25	Rotating	20:50	21:25	0.58	20,847.00	20,942.00	95.00	40	162.9	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	21:30	21:45	0.25	20,942.00	20,942.00	0.00		0.0	0		40			20,882.00	89.94	179.93	0.91	@ 20882
6	06/25	Rotating	21:45	22:30	0.75	20,942.00	21,037.00	95.00	40	126.7	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	MWD - Survey (MP)	22:30	22:40	0.17	21,037.00	21,037.00	0.00	40	0.0	80	26,500	525	5,800		20,977.00	89.38	179.74	0.62	@ 20977
6	06/25	Rotating	22:40	22:55	0.25	21,037.00	21,053.00	16.00	40	64.0	80	26,500	525	5,800		0.00			0.00	Rotate
6	06/25	Sliding	22:55	23:50	0.92	21,053.00	21,060.00	7.00	30	7.6	80	26,500	525	5,800	55L	Gravity	0.00		0.00	Slide @ 55L
6	06/26	Sliding	00:30	01:05	0.58	21,060.00	21,065.00	5.00	4	8.6	0		525	6,262	55L	Gravity	0.00		0.00	Slide @ 55L
6	06/26	Sliding	03:05	04:15	1.17	21,065.00	21,078.00	13.00	30	11.1	80	12,500	525	6,262	55L	Gravity	0.00		0.00	Slide @ 55L
6	06/26	Rotating	04:40	05:10	0.50	21,078.00	21,131.00	53.00	40	106.0	80	25,200	525	6,356		0.00			0.00	Rotate
6	06/26	MWD - Survey (MP)	05:10	05:20	0.17	21,131.00	21,131.00	0.00	40	0.0	80	25,200	525	6,356		21,071.00	89.55	179.83	0.20	@ 21071
6	06/26	Rotating	05:20	06:10	0.83	21,131.00	21,224.00	93.00	40	111.6	80	25,200	525	6,356		0.00			0.00	Rotate
6	06/26	MWD - Survey (MP)	06:10	06:15	0.08	21,224.00	21,224.00	0.00	40	0.0	80	25,200	525	6,356		21,164.00	89.52	180.00	0.19	@ 21164
6	06/26	Rotating	06:15	07:00	0.75	21,224.00	21,319.00	95.00	40	126.7	80	25,200	525	6,356		0.00			0.00	Rotate
6	06/26	MWD - Survey (MP)	07:00	07:10	0.17	21,319.00	21,319.00	0.00	40	0.0	80	25,200	525	6,356		21,259.00	90.25	181.33	1.60	@ 21259

Released to Imaging: 9/2/2024

6	06/26	Rotating	07:10	08:00	0.83	21,319.00	21,414.00	95.00	40	114.0	80	25,200	525	6,356	0.00	0.00	Rotate		
6	06/26	MWD - Survey (MP)	08:00	08:10	0.17	21,414.00	21,414.00	0.00	40	0.0	80	25,200	525	6,356	21,354.00	90.11	181.58	0.30	@ 21354
6	06/26	Rotating	08:10	08:55	0.75	21,414.00	21,509.00	95.00	40	126.7	80	25,200	525	6,356	0.00	0.00	Rotate		
6	06/26	MWD - Survey (MP)	08:55	09:05	0.17	21,509.00	21,509.00	0.00	40	0.0	80	25,200	525	6,356	21,449.00	90.34	182.24	0.74	@ 21449
6	06/26	Rotating	09:05	09:55	0.83	21,509.00	21,604.00	95.00	40	114.0	80	25,200	525	6,356	0.00	0.00	Rotate		
6	06/26	MWD - Survey (MP)	09:55	10:05	0.17	21,604.00	21,604.00	0.00	40	0.0	80	25,200	525	6,356	21,544.00	90.00	182.30	0.36	@ 21544
6	06/26	Rotating	10:05	10:30	0.42	21,604.00	21,658.00	54.00	40	129.6	80	25,200	525	6,356	0.00	0.00	Rotate		
6	06/26	MWD - Survey (MP)	10:30	10:35	0.08	21,658.00	21,658.00	0.00	40	0.0	80	25,200	525	6,356	21,544.00	89.86	182.53	0.00	@ 21544

Reviewed by OGD: 7/1/2024

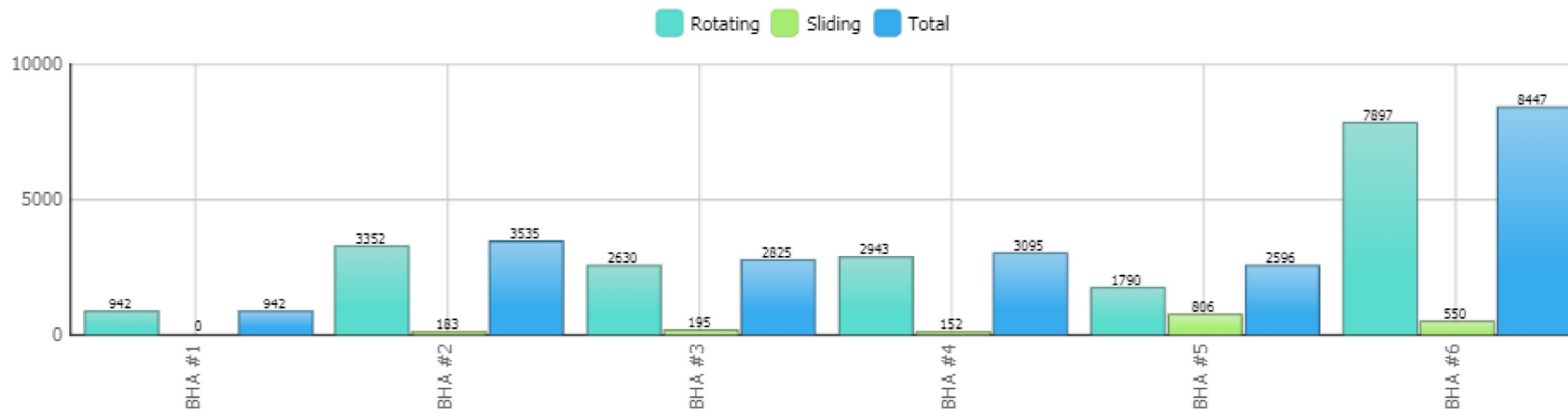
Section Four

Job Summary Charts

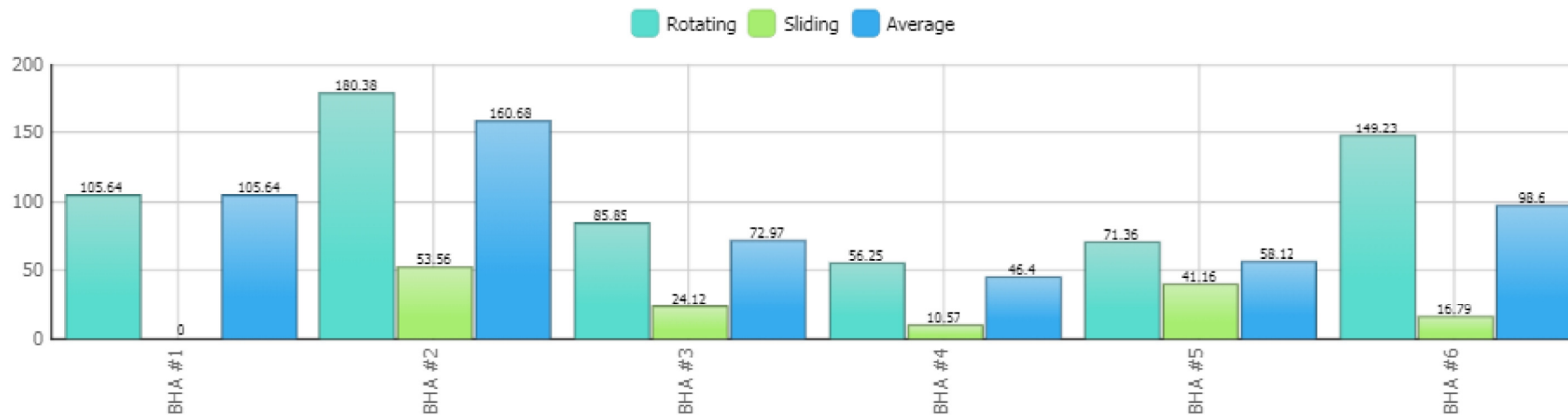


Job Number	Company	Location	Rig Name	State/Province
M20033	XTO Energy	Premier - Midland Shop Floor	Nabors X32	New Mexico
County	Well Name	Field	Township	Sect/Range
Eddy	Poker Lake Unit 21 BD 901H		undefined	undefined/undefined

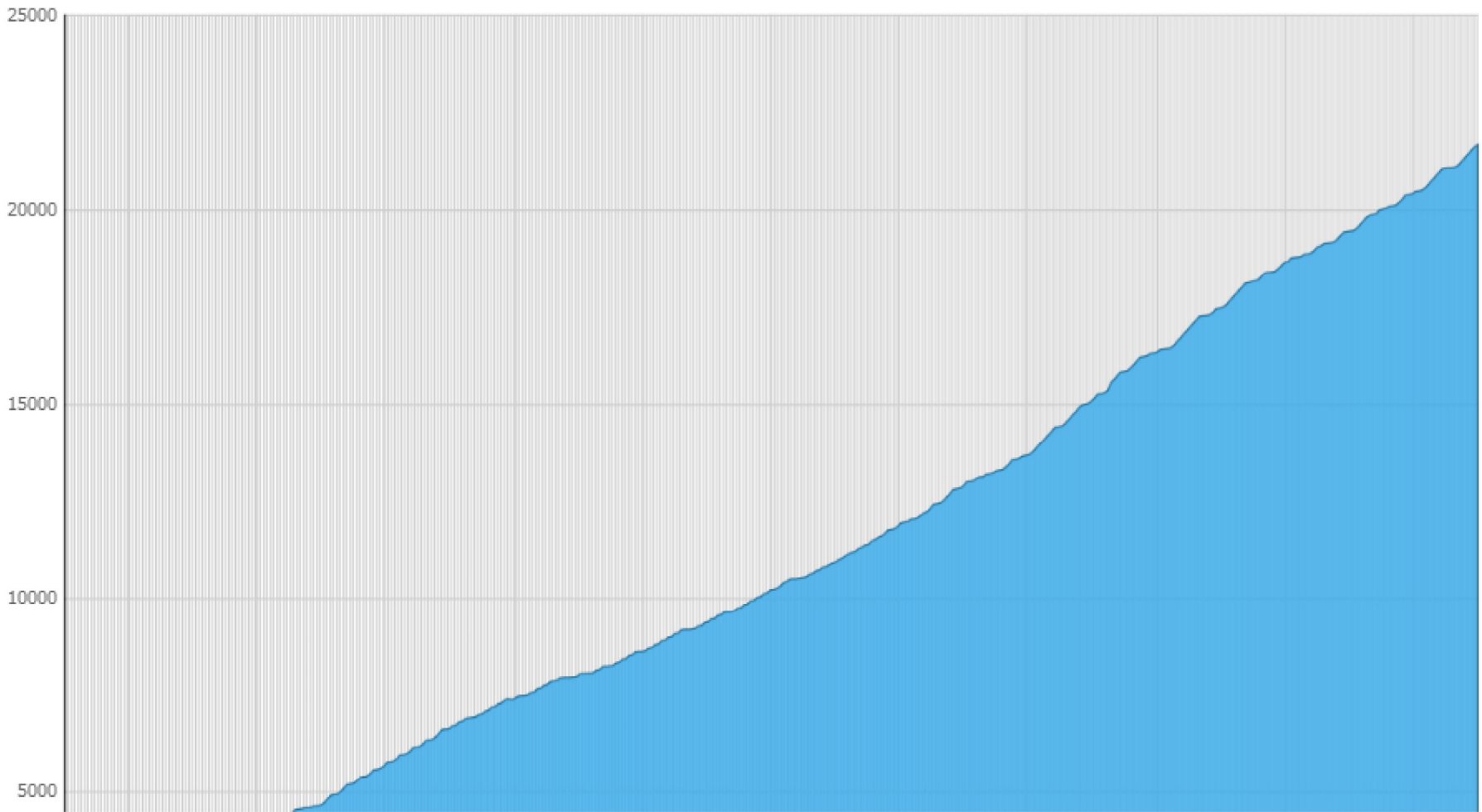
Depth (Ft) Drilled with BHA



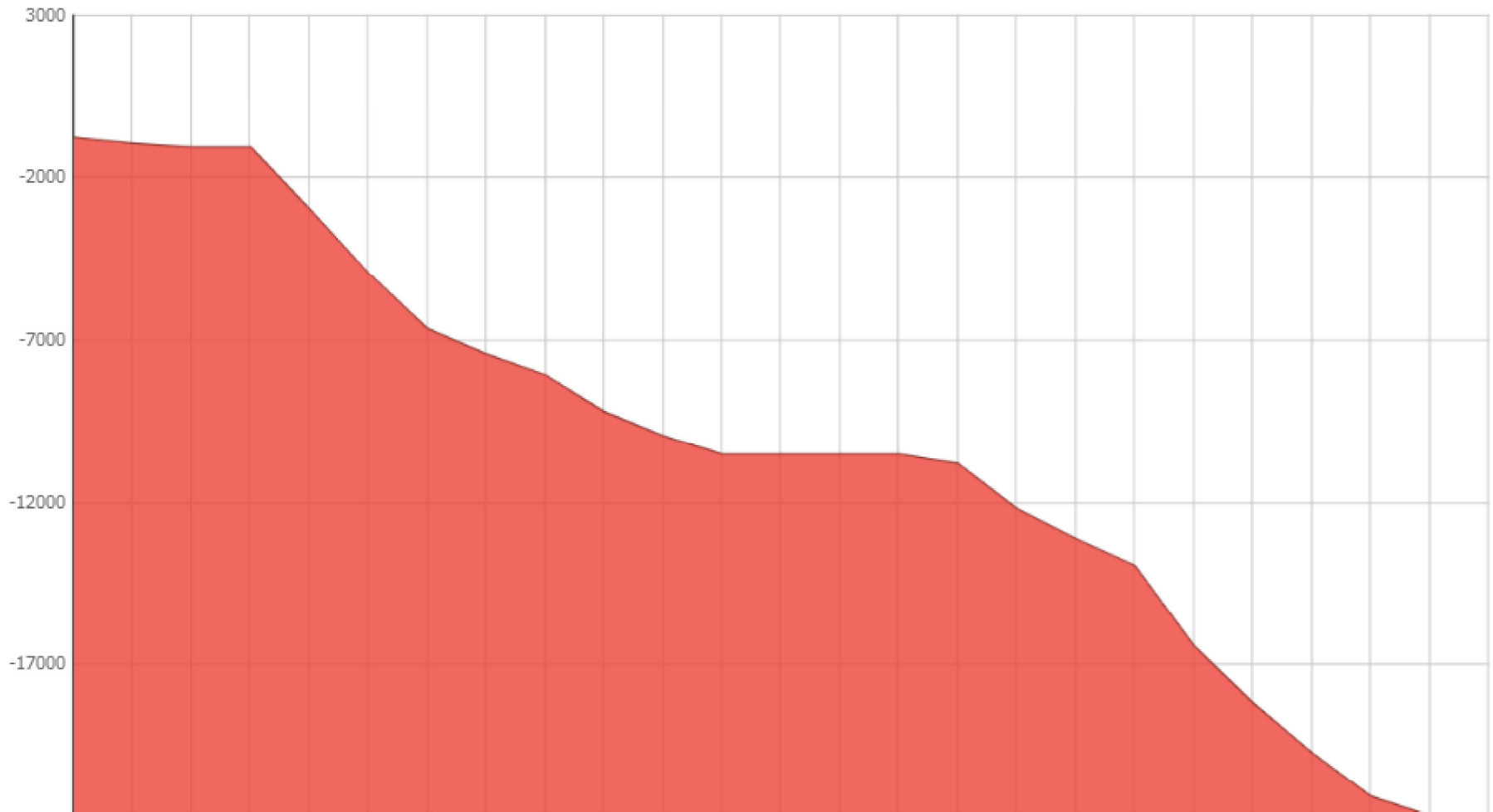
ROP (Ft/Hr) vs BHA



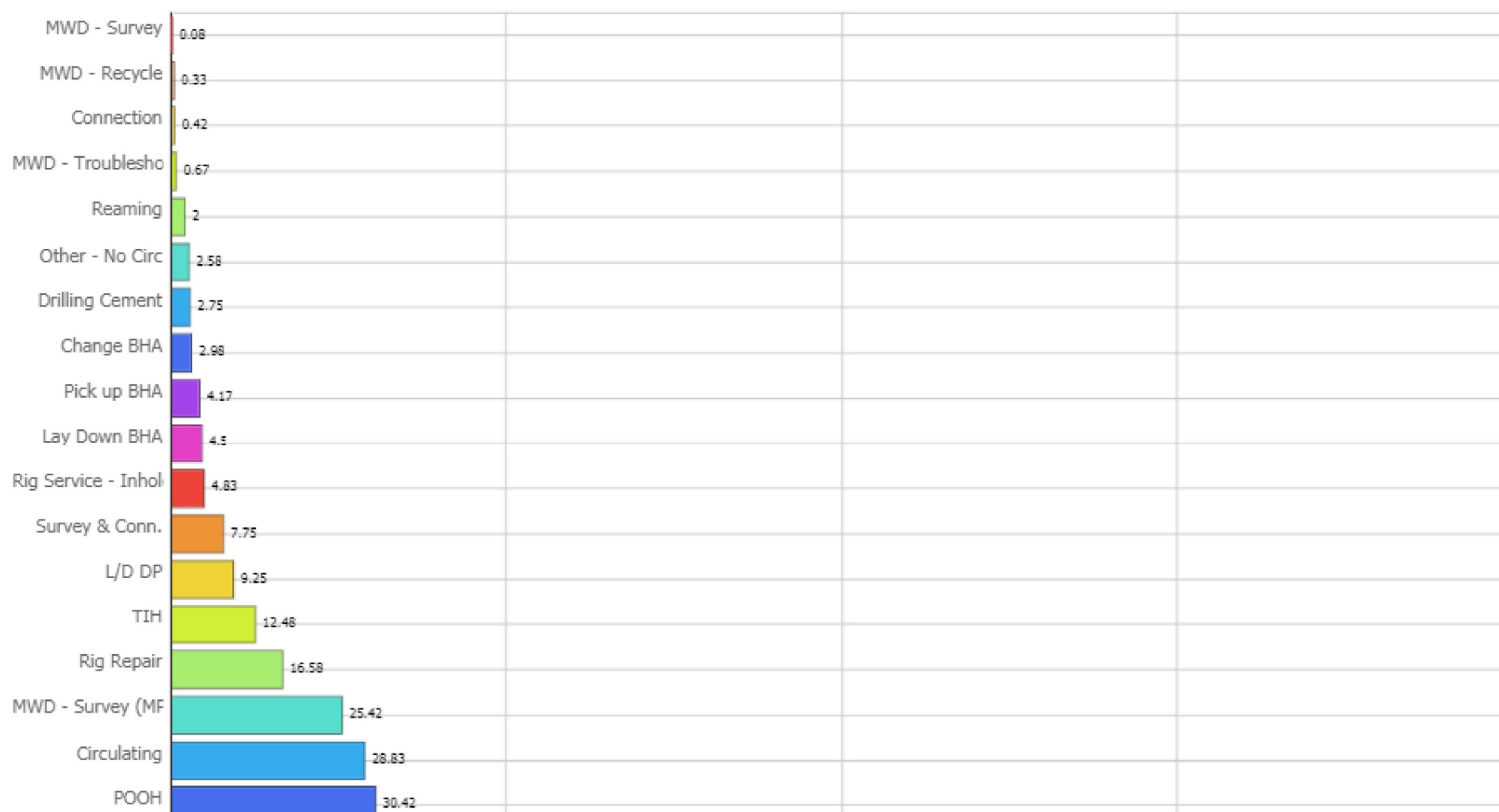
Depth (Ft) vs BHA

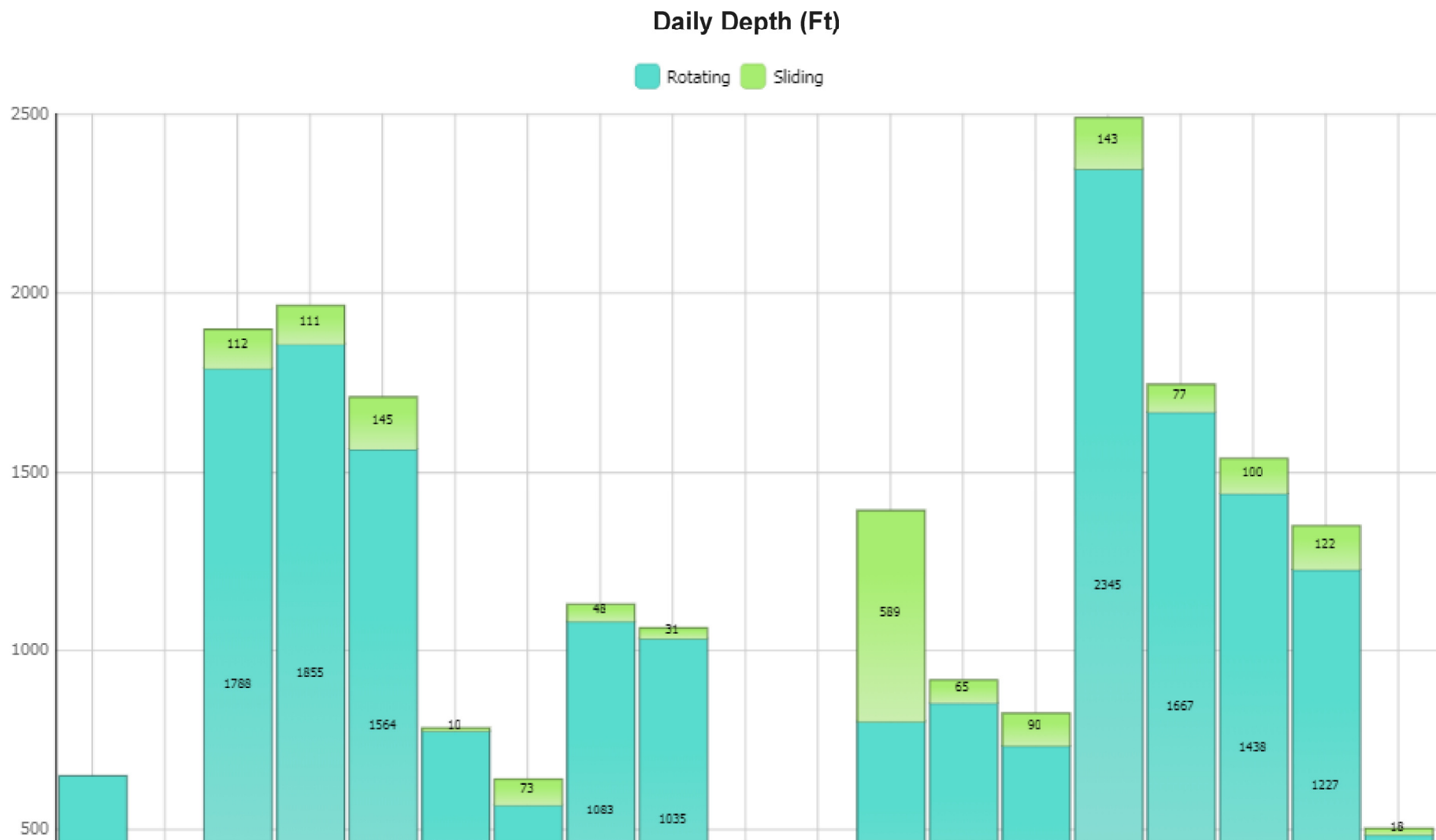


Measured Depth (Ft) vs Days

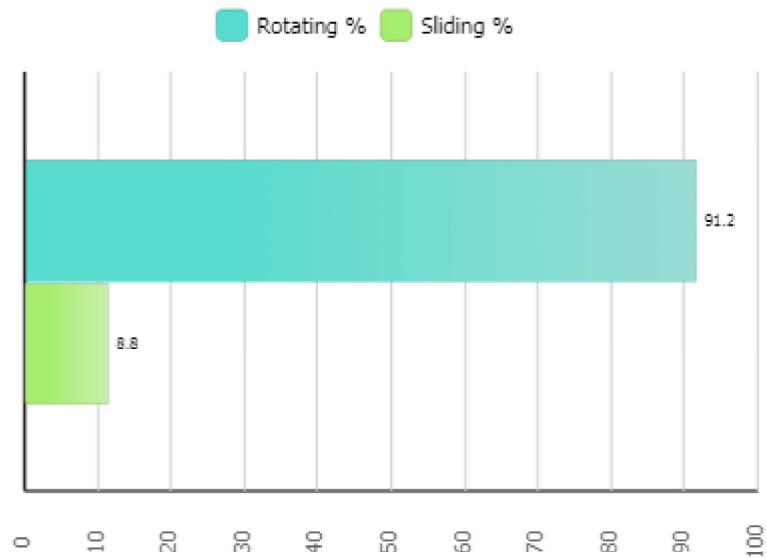
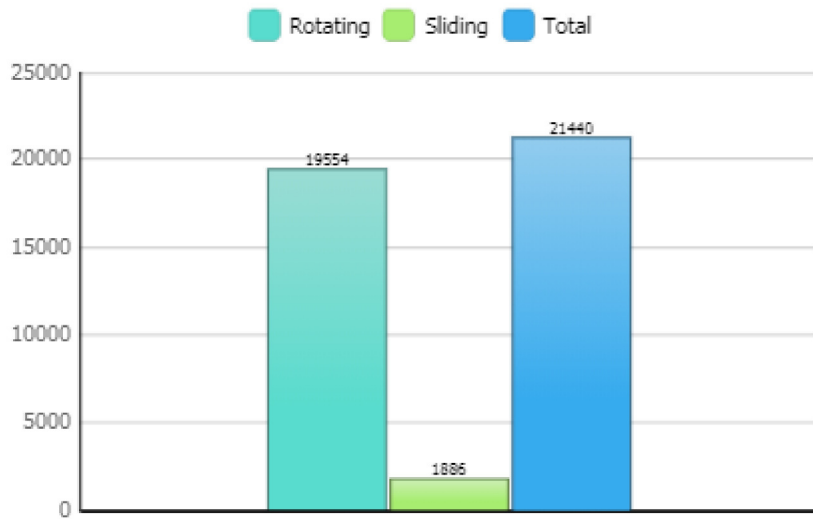


Activity Histogram (Hrs)

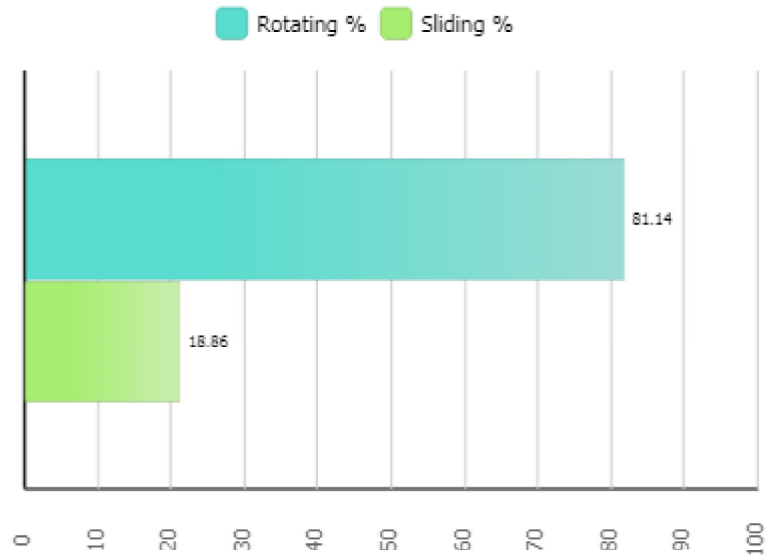
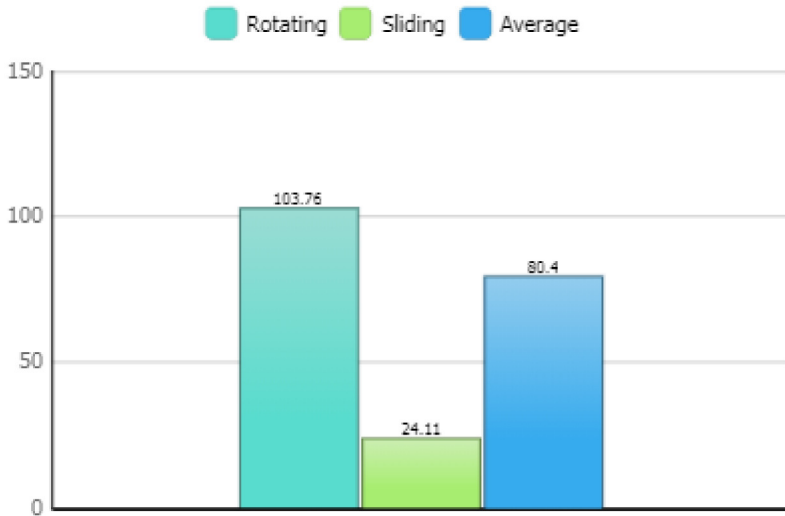




Depth (Ft) Drilled Totals



ROP (Ft/Hr) Totals



Submit a Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-45477
5. Indicate Type of Lease STATE ☐ FEE ☐ Fed X
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Poker Lake Unit 21 BD
8. Well Number 901H
9. OGRID Number 373075
10. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator
XTO Permian Operating LLC

3. Address of Operator
6401 Holiday Hill Rd Bldg 5 Midland, TX 79707

4. Well Location
Unit Letter M : 452 feet from the South line and 858 feet from the West line
Section 21 Township 25S Range 30E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3218' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Completions Sundry ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO PERMIAN OPERATING LLC respectfully submits this sundry notice to report the completion operations of the referenced well.

KOP @ depth 10,645 ft.
PBTB = 21,636 ft. 1/17/22 Run RCB/GR/CCL
3/11/22 Pressure test 5.5 in csg to 8,887 psi for 30min test good, open sleeve.
4/20/22 Perf and frac 50 stages, 1,200 total shots, from 11,560 to 21,487 using 512,036 bbls of fluid and 24,924,407 lbs Proppant. Tag and drill out plugs.
6/4/22 Run 2-7/8 L80 6.5# tubing set at 10,581 ft.
6/4/22 Packer setting depth 10,567 ft.
Ready Date: 6/17/2022
First Production: 6/18/2022

Spud Date:

1/29/2020

Rig Release Date:

7/1/2020

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Amanda Thames TITLE Regulatory Analyst DATE 7/11/2022

Type or print name Amanda Thames E-mail address: amanda.thames@exxonmobil.com PHONE: 432.221.7340

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name POKER LAKE UNIT 21 BD		
								6. Well Number: 901H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator XTO PERMIAN OPERATING LLC.						9. OGRID 373075				
10. Address of Operator 6401 HOLIDAY HILL RD BLDG #5, MIDLAND TX 79707						11. Pool name or Wildcat PURPLE SAGE;WOLFCAMP (GAS)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	21	25S	30E		452	South	858	West	Eddy
BH:	M	33	25S	30E		182	South	308	West	Eddy
13. Date Spudded 1/29/2020	14. Date T.D. Reached 6/26/2020		15. Date Rig Released 7/1/2020		16. Date Completed (Ready to Produce) 6/17/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3218' GL		
18. Total Measured Depth of Well 21,658			19. Plug Back Measured Depth 21,636		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11,560 TO 21,487 PURPLE SAGE;WOLFCAMP (GAS)										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
11 3/4"		54.0		1,060		14 3/4"		961		
8 5/8"		32.0		10,509		10 5/8"		2,297		
5 1/2"		23.0		21,638		7 7/8"		2,472		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8"	10,581	10,567		
26. Perforation record (interval, size, and number) 11,560 TO 21,487, 2spf, 1,200 Total Shots 50 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						11,560 TO 21,487		512,036 bbl fluid + 24,924,407 lbs Proppant		
28. PRODUCTION										
Date First Production 6/18/22		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 6/26/22	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 3656	Gas - MCF 11887	Water - Bbl. 11191	Gas - Oil Ratio 3251			
Flow Tubing Press. 580	Casing Pressure 665	Calculated 24-Hour Rate	Oil - Bbl. 3656	Gas - MCF 11887	Water - Bbl. 11191	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments C-104 NW, C-102 & Supplement , Directional Survey (Log uploaded to NMOCD)										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed Signature <i>Amanda Thames</i> Name Amanda Thames Title Regulatory Analyst Date 7/11/2022 E-mail Address amanda.thames@exxonmobil.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 1,200'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3,518'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 3,754'	T. Morrison	
T. Drinkard	T. Bone Springs 7,572'	T. Todilto	
T. Abo	T. Rustler 980'	T. Entrada	
T. Wolfcamp 10,786'	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 124145

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 124145
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 124145

CONDITIONS

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	Action Number: 124145
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	9/5/2025