

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 - 015-46605	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 326260	⁸ Property Name POKER LAKE UNIT 18 TWR	⁹ Well Number 157H

II. 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
A	19	24S	31E		105	North	816	East	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
P	30	24S	31E		190	South	1158	East	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
248440	Western Refining	O
373073	XTO Permian Midstream	G/W

IV. Well Completion Data

²¹ Spud Date 7/21/2020	²² Ready Date 7/8/2022	²³ TD 22560 MB 12535 TVD	²⁴ MBTD 22558 MB 12535 TVD	²⁵ Perforations 13,027 TO 22,429	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14.75	13.375 J55 54#	857	735		
8.75	9.625 HCL80 29.7#	11,773	1,595		
6.75	5 P110 18#	22,560	970		
	2 7/8 L80 6.5#	11,861			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
7/9/22	7/10/22	7/10/22	24 hrs	1058	1
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
	3733	4041	963 l		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: <i>Amanda Thames</i> Printed name: Amanda Thames Title: Regulatory Analyst E-mail Address: amanda.thames@exxonmobil.com Date: 7/29/2022			OIL CONSERVATION DIVISION		
			Approved by:		
			Title:		
			Approval Date:		
			Phone: 432.221.7340		

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 30-015-46605	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 326260	⁵ Property Name POKER LAKE UNIT 18 TWR	⁶ Well Number 157H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,498'

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
A	19	24 S	31 E		105	NORTH	816	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	30	24 S	31 E		190	SOUTH	1,158	EAST	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 = 440,443.9 X = 702,875.1 LAT. = 32.209778 °N LONG. = 103.811035 °W KOP (NAD83 NME) Y = 439,902.1 X = 702,523.8 LAT. = 32.208294 °N LONG. = 103.812179 °W FTP (NAD83 NME) Y = 439,697.2 X = 702,516.0 LAT. = 32.207731 °N LONG. = 103.812207 °W CORNER COORDINATES (NAD83 NME) A - Y = 440,553.0 N , X = 703,690.4 E B - Y = 440,546.6 N , X = 702,371.0 E C - Y = 437,910.5 N , X = 703,713.5 E D - Y = 437,903.7 N , X = 702,391.3 E E - Y = 435,272.1 N , X = 703,726.1 E F - Y = 435,263.9 N , X = 702,406.3 E G - Y = 432,631.2 N , X = 703,744.9 E H - Y = 432,623.0 N , X = 702,424.8 E I - Y = 429,989.7 N , X = 703,762.6 E J - Y = 429,981.7 N , X = 702,442.6 E SHL (NAD27 NME) Y = 440,385.1 X = 661,691.1 LAT. = 32.209655 °N LONG. = 103.810551 °W KOP (NAD27 NME) Y = 439,843.2 X = 661,339.9 LAT. = 32.208170 °N LONG. = 103.811694 °W FTP (NAD27 NME) Y = 439,638.3 X = 661,332.1 LAT. = 32.207607 °N LONG. = 103.811723 °W CORNER COORDINATES (NAD27 NME) A - Y = 440,494.2 N , X = 662,506.4 E B - Y = 440,487.8 N , X = 661,187.0 E C - Y = 437,851.8 N , X = 662,529.4 E D - Y = 437,845.0 N , X = 661,207.2 E E - Y = 435,213.4 N , X = 662,541.9 E F - Y = 435,205.2 N , X = 661,222.1 E G - Y = 432,572.6 N , X = 662,560.6 E H - Y = 432,564.4 N , X = 661,240.5 E I - Y = 429,931.2 N , X = 662,578.2 E J - Y = 429,923.2 N , X = 661,258.2 E	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Amanda Thames</u> 7/29/2022 Signature Date Amanda Thames Printed Name amanda.thames@exxonmobil.com E-mail Address
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 05-20-2022 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number LS 2018010194	

Intent ☐ As Drilled ☒API #
30-015-46605

Operator Name: XTO PERMIAN OPERATING, LLC	Property Name: POKER LAKE UNIT 18 TWR	Well Number 157H
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Kick Off Point (KOP)

UL A	Section 19	Township 24S	Range 31E	Lot	Feet 645	From N/S FNL	Feet 1,172	From E/W FEL	County EDDY
Latitude 32.208294					Longitude 103.812179				NAD 83

First Take Point (FTP)

UL A	Section 19	Township 24S	Range 31E	Lot	Feet 850	From N/S FNL	Feet 1,182	From E/W FEL	County EDDY
Latitude 32.207731					Longitude 103.812207				NAD 83

Last Take Point (LTP)

UL P	Section 30	Township 24S	Range 31E	Lot	Feet 359	From N/S FSL	Feet 1,160	From E/W FEL	County EDDY
Latitude 32.182013					Longitude 103.812083				NAD 83

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

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

API #
30-015-46552

Operator Name: XTO Permian Operating LLC	Property Name: Poker Lake 18 TWR	Well Number 125H
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KZ 06/29/2018



XTO Poker Lake Unit 18 TWR 157H 0 to 12986' MD Survey Geodetic Report



(Def Survey)

Report Date: September 02, 2020 - 07:25 PM
Client: XTO
Field: NM Eddy County (NAD 27)
Structure / Slot: XTO Poker Lake Unit 18 TWR 157H / XTO Poker Lake Unit 18 TWR #157H (Offset)
Well: XTO Poker Lake Unit 18 TWR 157H
Borehole: Original Borehole
UWI / API#: Unknown / 30-015-46605
Survey Name: XTO Poker Lake Unit 18 TWR 157H 0 to 12986' MD
Survey Date: August 15, 2020
Tort / AHD / DDI / ERD Ratio: 165.530 ° / 1190.677 ft / 5.310 / 0.095
Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 12' 34.75746", W 103° 48' 37.98116"
Location Grid N/E Y/X: N 440385.100 ftUS, E 661691.100 ftUS
CRS Grid Convergence Angle: 0.2787 °
Grid Scale Factor: 0.99993903
Version / Patch: 2.10.820.4

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 181.587 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3534.500 ft above MSL
Seabed / Ground Elevation: 3502.000 ft above MSL
Magnetic Declination: 6.769 °
Total Gravity Field Strength: 998.4280mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47739.000 nT
Magnetic Dip Angle: 58.880 °
Declination Date: August 15, 2020
Magnetic Declination Model: IFR1+MS
North Reference: Grid North
Grid Convergence Used: 0.2760 °
Total Corr Mag North->Grid North: 6.4930 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	Closure (ft)	Closure Azimuth (°)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	440385.10	661691.10	32.209655	-103.810550	0.00	0.00
	182.00	0.40	9.18	182.00	-0.63	0.63	0.10	0.22	440385.73	661691.20	32.209657	-103.810550	0.64	9.18
	335.00	0.22	351.04	335.00	-1.45	1.44	0.14	0.13	440386.54	661691.24	32.209659	-103.810550	1.45	5.57
	426.00	0.10	37.55	426.00	-1.68	1.68	0.16	0.18	440386.78	661691.26	32.209659	-103.810550	1.69	5.51
	517.00	0.19	42.71	517.00	-1.86	1.85	0.31	0.10	440386.95	661691.41	32.209660	-103.810549	1.88	9.58
	608.00	0.21	89.76	608.00	-1.98	1.97	0.58	0.18	440387.07	661691.68	32.209660	-103.810548	2.05	16.49
	698.00	0.36	52.43	697.99	-2.16	2.14	0.97	0.26	440387.24	661692.07	32.209661	-103.810547	2.35	24.42
	789.00	0.31	51.09	788.99	-2.51	2.47	1.39	0.06	440387.57	661692.49	32.209662	-103.810546	2.83	29.38
	830.00	0.13	74.81	829.99	-2.59	2.55	1.52	0.48	440387.65	661692.62	32.209662	-103.810545	2.97	30.81
11-3/4" Casing	865.00	0.30	9.70	864.99	-2.65	2.65	1.57	0.78	440387.75	661692.67	32.209662	-103.810545	3.08	30.71
	872.00	0.35	5.84	871.99	-2.73	2.69	1.58	0.78	440387.79	661692.68	32.209662	-103.810545	3.12	30.42
	965.00	0.51	325.07	964.99	-3.35	3.31	1.37	0.36	440388.41	661692.47	32.209664	-103.810546	3.58	22.49
	1057.00	0.36	306.29	1056.99	-3.84	3.82	0.90	0.22	440388.92	661692.00	32.209665	-103.810547	3.92	13.32
	1148.00	0.60	332.71	1147.98	-4.42	4.41	0.45	0.35	440389.51	661691.55	32.209667	-103.810549	4.43	5.89
	1240.00	0.39	336.68	1239.98	-5.13	5.13	0.11	0.23	440390.23	661691.21	32.209669	-103.810550	5.13	1.23
	1330.00	0.41	24.37	1329.98	-5.70	5.70	0.12	0.36	440390.80	661691.22	32.209671	-103.810550	5.70	1.22
	1421.00	0.41	5.04	1420.98	-6.33	6.32	0.28	0.15	440391.42	661691.38	32.209672	-103.810549	6.33	2.58
	1513.00	0.47	16.91	1512.97	-7.02	7.01	0.42	0.12	440392.11	661691.52	32.209674	-103.810549	7.02	3.46
	1608.00	0.66	16.07	1607.97	-7.93	7.91	0.69	0.20	440393.01	661691.79	32.209677	-103.810548	7.94	4.97
	1703.00	0.73	16.38	1702.96	-9.04	9.02	1.01	0.07	440394.12	661692.11	32.209680	-103.810547	9.07	6.39
	1797.00	0.47	9.23	1796.96	-10.00	9.97	1.24	0.29	440395.07	661692.34	32.209682	-103.810546	10.05	7.09
	1891.00	0.41	345.85	1890.95	-10.71	10.68	1.22	0.20	440395.78	661692.32	32.209684	-103.810546	10.75	6.52
	1986.00	0.38	342.39	1985.95	-11.33	11.31	1.04	0.04	440396.41	661692.14	32.209686	-103.810547	11.36	5.27
	2080.00	0.53	301.59	2079.95	-11.84	11.83	0.58	0.37	440396.93	661691.68	32.209687	-103.810548	11.85	2.79
	2174.00	0.79	290.21	2173.94	-12.27	12.28	-0.40	0.31	440397.38	661690.70	32.209689	-103.810551	12.29	358.13
	2269.00	1.36	283.61	2268.93	-12.71	12.78	-2.11	0.61	440397.87	661688.99	32.209690	-103.810557	12.95	350.62
	2364.00	1.52	280.94	2363.90	-13.15	13.28	-4.44	0.18	440398.38	661686.66	32.209691	-103.810564	14.00	341.50
	2458.00	1.65	281.74	2457.86	-13.59	13.79	-6.99	0.14	440398.89	661684.11	32.209693	-103.810573	15.46	333.11
	2552.00	2.78	271.61	2551.79	-13.83	14.13	-10.60	1.27	440399.23	661680.50	32.209694	-103.810584	17.66	323.13
	2646.00	4.80	261.84	2645.58	-13.17	13.64	-16.77	2.25	440398.74	661674.33	32.209693	-103.810604	21.61	309.12
	2741.00	5.44	264.95	2740.20	-11.97	12.68	-25.19	0.73	440397.78	661665.91	32.209690	-103.810632	28.20	296.71
	2835.00	5.40	266.47	2833.78	-11.06	12.01	-34.04	0.16	440397.11	661657.06	32.209688	-103.810660	36.10	289.44
	2928.00	4.70	264.65	2926.42	-10.21	11.39	-42.20	0.77	440396.49	661648.90	32.209687	-103.810687	43.71	285.10
	3023.00	3.65	271.06	3021.16	-9.72	11.08	-49.10	1.21	440396.18	661642.00	32.209686	-103.810709	50.34	282.72
	3118.00	5.18	272.98	3115.88	-9.79	11.36	-56.41	1.62	440396.46	661634.69	32.209687	-103.810733	57.54	281.39
	3212.00	7.56	271.64	3209.29	-9.90	11.76	-66.83	2.54	440396.86	661624.27	32.209688	-103.810766	67.86	279.98
	3305.00	7.09	271.84	3301.53	-9.93	12.12	-78.68	0.51	440397.22	661612.42	32.209689	-103.810804	79.61	278.75
	3399.00	6.35	270.83	3394.89	-9.89	12.38	-89.68	0.80	440397.48	661601.43	32.209690	-103.810840	90.53	277.86
	3493.00	5.13	271.12	3488.41	-9.79	12.54	-99.08	1.30	440397.63	661592.03	32.209691	-103.810870	99.87	277.21
	3588.00	5.27	263.54	3583.02	-9.14	12.13	-107.66	0.74	440397.23	661583.45	32.209690	-103.810898	108.34	276.43
	3681.00	7.82	285.32	3675.42	-10.05	13.32	-118.01	3.78	440398.42	661573.10	32.209693	-103.810932	118.76	276.44
	3774.00	7.37	286.51	3767.61	-13.08	16.69	-129.83	0.51	440401.78	661561.28	32.209702	-103.810970	130.90	277.32
	3868.00	6.13	286.88	3860.95	-15.96	19.86	-140.41	1.32	440404.95	661550.70	32.209711	-103.811004	141.81	278.05
	3963.00	6.71	277.33	3955.36	-17.85	22.04	-150.77	1.28	440407.14	661540.34	32.209717	-103.811037	152.37	278.32
	4057.00	8.12	273.01	4048.57	-18.57	23.09	-162.85	1.61	440408.19	661528.26	32.209720	-103.811076	164.48	278.07
	4152.00	7.86	274.10	4142.65	-19.02	23.90	-176.03	0.32	440409.00	661515.08	32.209723	-103.811119	177.64	277.73
	4246.00	7.39	286.57	4235.83	-20.86	26.09	-188.23	1.83	440411.19	661502.88	32.209729	-103.811158	190.03	277.89
	4341.00	6.83	272.85	4330.10	-22.57	28.11	-199.73	1.88	440413.21	661491.38	32.209735	-103.811196	201.70	278.01
	4435.00	6.86	272.59	4423.43	-22.79	28.64	-210.92	0.05	440413.74	661480.19	32.209736	-103.811232	212.86	277.73
	4528.00	7.66	281.14	4515.69	-23.92	30.09	-222.55	1.44	440415.19	661468.56	32.209741	-103.811269	224.58	277.70
	4623.00	7.61	280.83	4609.85	-25.98	32.50	-234.94	0.07	440417.59	661456.17	32.209747	-103.811309	237.18	277.87
	4717.00	7.72	280.42	4703.01	-27.95	34.81	-247.27	0.13	440419.90	661443.85	32.209754	-103.811349	249.70	278.01
	4811.00	7.59	280.15	4796.17	-29.84	37.04	-259.59	0.14	440422.14	661431.53	32.209760	-103.811389	262.22	278.12
	4905.00	6.72	283.23	4889.44	-31.87	39.40	-271.05	1.01	440424.49	661420.07	32.209767	-103.811426	273.90	278.27
	4969.00	6.81	285.12	4882.78	-34.29	42.11	-281.79	0.26	440427.21	661409.33	32.209774	-103.811461	284.91	278.50
	5063.00	7.02	283.94	5076.10	-36.82	44.95	-292.74	0.27	440430.04	661398.38	32.209782	-103.811496	296.17	278.73
	5188.00	6.61	283.02	5170.43	-39.15	47.58	-303.70	0.45	440432.67	661387.42	32.209790	-103.811531	307.41	278.90
	5282.00	5.81	281.76	5263.87	-41.06	49.76	-313.63	0.86	440434.86	661377.49	32.209796	-103.811563	317.56	279.02
	5376.00	5.83	281.92	5357.39	-42.76	51.72	-322.96	0.03	440436.82	661368.16	32.209801	-103.811594	327.08	279.10
	5470.00	4.46	282.64	5451.01	-44.31	53.51	-331.20	1.46	440438.60	661359.92	32.209806	-103.811620	335.49	279.18
	5565.00	4.22	285.84	5545.74	-45.88	55.27	-338.17	0.36	440440.37	661352.96	32.209811	-103.811643	342.65	279.28
	5659.00	4.51	285.93	5639.46	-47.65	57.23	-345.05	0.31	440442.32	661346.08	32.209817	-103.811665	349.76	279.42
	5753.00	2.98	278.30	5733.26	-48.85	58.59	-351.02	1.71	440443.69	661340.10	32.209821	-103.811684	355.88	279.48
	5847.00	2.88	276.34	5827.14	-49.33	59.21	-355.78	0.15	440444.30	661335.34	32.209822	-103.811700	360.68	279.45
	5941.00	1.92	280.14	5921.05	-49.76	59.75	-359.68	0.03	440444.84	661331.44	32.209824	-103.811712	364.81	279.43
	6034.00	1.21	281.53	6014.02	-50.16	60.22	-362.18	0.76	440445.31	661328.95	32.209825	-103.811720	367.15	279.44
	6127.00	1.37	282.21	6107.00	-50.54	60.65	-364.23	0.17	440445.74	6613				

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	Closure (ft)	Closure Azimuth (°)
	8100.00	0.23	221.58	8079.93	-55.14	65.25	-364.17	0.07	440450.35	661326.95	32.209839	-103.811727	369.97	280.16
	8194.00	0.21	164.56	8173.93	-54.83	64.94	-364.25	0.22	440450.04	661326.87	32.209838	-103.811727	370.00	280.11
	8287.00	0.30	188.67	8266.93	-54.42	64.54	-364.25	0.15	440449.63	661326.88	32.209837	-103.811727	369.92	280.05
	8382.00	0.37	267.95	8361.93	-54.16	64.28	-364.59	0.45	440449.38	661326.53	32.209836	-103.811728	370.21	280.00
	8475.00	0.58	287.69	8454.93	-54.27	64.41	-365.34	0.28	440449.51	661325.79	32.209837	-103.811730	370.97	280.00
	8570.00	0.29	256.70	8549.92	-54.34	64.50	-366.03	0.38	440449.60	661325.09	32.209837	-103.811733	371.67	279.99
	8664.00	0.19	181.59	8643.92	-54.12	64.29	-366.27	0.32	440449.39	661324.86	32.209836	-103.811733	371.87	279.96
	8758.00	1.41	168.62	8737.91	-52.84	63.00	-366.04	1.30	440448.10	661325.08	32.209833	-103.811733	371.42	279.77
	8853.00	1.47	174.63	8832.88	-50.49	60.64	-365.70	0.17	440445.74	661325.43	32.209826	-103.811732	370.69	279.42
	8946.00	1.52	213.23	8925.85	-48.26	58.43	-366.26	1.06	440443.52	661324.86	32.209820	-103.811733	370.89	279.06
	9041.00	1.96	219.32	9020.81	-45.90	56.11	-367.98	0.50	440441.21	661323.14	32.209814	-103.811739	372.24	278.67
	9135.00	0.99	242.20	9114.78	-44.23	54.49	-369.72	1.19	440439.59	661321.40	32.209810	-103.811745	373.71	278.38
	9229.00	0.23	173.16	9208.77	-43.65	53.93	-370.41	0.99	440439.02	661320.71	32.209808	-103.811747	374.32	278.28
	9323.00	0.18	111.75	9302.77	-43.41	53.68	-370.25	0.23	440438.78	661320.87	32.209807	-103.811746	374.13	278.25
	9418.00	0.70	213.32	9397.77	-42.86	53.14	-370.43	0.80	440438.24	661320.69	32.209806	-103.811747	374.23	278.16
	9512.00	0.80	221.64	9491.76	-41.87	52.17	-371.19	0.16	440437.27	661319.94	32.209803	-103.811750	374.84	278.00
	9606.00	0.86	215.86	9585.75	-40.79	51.11	-372.04	0.11	440436.21	661319.09	32.209800	-103.811752	375.53	277.82
	9700.00	1.18	214.31	9679.74	-39.39	49.74	-372.99	0.34	440434.84	661318.13	32.209797	-103.811755	376.30	277.60
	9793.00	1.67	195.62	9772.71	-37.27	47.64	-373.90	0.72	440432.74	661317.22	32.209791	-103.811758	376.92	277.26
	9887.00	1.47	187.64	9866.67	-34.74	45.13	-374.43	0.31	440430.23	661316.70	32.209784	-103.811760	377.14	276.87
	9981.00	0.80	173.67	9960.65	-32.89	43.28	-374.52	0.77	440428.38	661316.61	32.209779	-103.811760	377.01	276.59
	10076.00	0.97	84.18	10055.64	-32.34	42.70	-373.64	1.32	440427.80	661317.48	32.209777	-103.811758	376.08	276.52
	10170.00	1.52	91.41	10149.62	-32.45	42.75	-371.61	0.61	440427.85	661319.52	32.209777	-103.811751	374.06	276.56
	10264.00	1.07	99.39	10243.60	-32.33	42.58	-369.49	0.51	440427.68	661321.63	32.209777	-103.811744	371.94	276.57
	10359.00	1.19	98.22	10338.58	-32.10	42.30	-367.64	0.13	440427.39	661323.48	32.209776	-103.811738	370.77	276.56
	10454.00	1.09	97.86	10433.56	-31.88	42.03	-365.77	0.11	440427.13	661325.35	32.209775	-103.811732	368.18	276.56
	10548.00	1.44	109.17	10527.54	-31.43	41.52	-363.77	0.46	440426.62	661327.35	32.209774	-103.811726	366.13	276.51
	10642.00	1.53	104.10	10621.51	-30.80	40.83	-361.44	0.17	440425.92	661329.69	32.209772	-103.811718	363.73	276.44
	10736.00	1.06	137.99	10715.48	-29.90	39.88	-359.64	0.93	440424.97	661331.49	32.209769	-103.811712	361.84	276.33
	10830.00	1.60	181.92	10809.46	-27.96	37.92	-359.10	1.18	440423.02	661332.02	32.209764	-103.811711	361.10	276.03
	10923.00	0.88	171.06	10902.44	-25.96	35.93	-359.03	0.81	440421.01	661332.09	32.209758	-103.811710	360.82	275.71
	11017.00	0.65	157.15	10996.43	-24.76	34.71	-358.71	0.31	440419.81	661332.41	32.209755	-103.811709	360.39	275.53
	11111.00	0.69	180.74	11090.42	-23.71	33.65	-358.51	0.29	440418.75	661332.61	32.209752	-103.811709	360.09	275.36
	11205.00	1.22	212.64	11184.41	-22.29	32.24	-359.06	0.78	440417.34	661332.06	32.209748	-103.811711	360.50	275.13
	11300.00	1.44	215.61	11279.38	-20.43	30.42	-360.30	0.24	440415.52	661330.82	32.209743	-103.811715	361.58	274.83
	11394.00	0.92	212.41	11373.36	-18.80	28.82	-361.39	0.56	440413.92	661329.73	32.209739	-103.811718	362.54	274.56
	11488.00	0.44	137.29	11467.36	-17.90	27.92	-361.55	0.97	440413.02	661329.57	32.209736	-103.811719	362.63	274.42
	11582.00	0.57	162.69	11561.36	-17.20	27.21	-361.17	0.27	440412.31	661329.95	32.209734	-103.811718	362.19	274.31
	11675.00	0.63	154.49	11654.35	-16.30	26.31	-360.81	0.11	440411.41	661330.31	32.209732	-103.811716	361.77	274.17
	11714.00	0.67	161.01	11693.35	-15.90	25.90	-360.64	0.22	440411.00	661330.48	32.209731	-103.811716	361.57	274.11
7-5/8" Casing	11783.00	0.63	142.02	11762.34	-15.23	25.22	-360.28	0.32	440410.32	661330.84	32.209729	-103.811715	361.16	274.00
	11878.00	0.69	116.24	11857.34	-14.59	24.56	-359.45	0.32	440409.65	661331.68	32.209727	-103.811712	360.28	273.91
	12009.00	12.77	174.36	11987.22	0.16	9.74	-357.31	9.48	440394.84	661333.82	32.209686	-103.811705	357.44	271.56
	12103.00	21.56	175.98	12076.95	27.71	-17.88	-355.07	9.36	440367.22	661336.05	32.209610	-103.811699	355.52	267.12
	12197.00	29.23	179.59	12161.81	67.90	-58.12	-353.69	8.32	440326.98	661337.43	32.209500	-103.811695	358.44	260.67
	12291.00	34.89	177.59	12241.44	117.69	-107.98	-352.40	6.13	440277.13	661338.72	32.209363	-103.811691	368.57	252.96
FTP [330' FNL, 154' FWL]	12385.00	43.03	177.76	12314.47	176.61	-166.98	-350.01	8.66	440218.13	661341.11	32.209201	-103.811684	387.80	244.50
	12465.00	51.06	178.21	12368.94	235.00	-225.45	-347.97	10.04	440159.67	661343.15	32.209040	-103.811679	414.62	237.06
	12479.00	52.46	178.28	12377.61	245.97	-236.44	-347.63	10.04	440148.68	661343.49	32.209010	-103.811678	420.42	235.78
	12574.00	59.52	181.79	12430.72	324.63	-315.12	-347.78	8.04	440070.00	661343.34	32.208793	-103.811680	469.31	227.82
	12669.00	64.26	183.34	12475.47	408.38	-398.80	-351.55	5.19	439966.33	661339.57	32.208563	-103.811693	531.63	221.40
	12763.00	73.28	178.72	12509.49	495.88	-486.29	-353.02	10.63	439898.84	661338.10	32.208323	-103.811699	600.91	215.98
	12858.00	86.32	177.19	12526.28	588.98	-579.52	-349.86	13.82	439805.62	661341.46	32.208067	-103.811690	676.84	211.11
	12917.00	89.38	180.85	12528.50	647.86	-638.45	-348.66	8.08	439746.69	661342.46	32.207905	-103.811688	727.45	208.64
Last Survey	12931.00	85.20	179.63	12529.16	661.84	-652.43	-348.72	31.10	439732.71	661342.40	32.207866	-103.811688	739.78	208.12
Projection to Bit	12986.00	83.00	180.50	12534.81	716.53	-707.14	-348.78	4.30	439678.01	661342.34	32.207716	-103.811689	788.47	206.25

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	32.500	1/98.425	14.750	11.750	NAL_MWD_IFR1+MS-Depth Only	Original Borehole / XTO Poker Lake Unit 18 TWR 157H 0 to 12986' MD
	1	32.500	32.500	Act Stns	14.750	11.750	NAL_MWD_IFR1+MS-Depth Only	Original Borehole / XTO Poker Lake Unit 18 TWR 157H 0 to 12986' MD
	1	32.500	865.000	Act Stns	14.750	11.750	NAL_MWD_IFR1+MS	Original Borehole / XTO Poker Lake Unit 18 TWR 157H 0 to 12986' MD
	1	865.000	11783.000	Act Stns	8.750	7.625	NAL_MWD_IFR1+MS	Original Borehole / XTO Poker Lake Unit 18 TWR 157H 0 to 12986' MD
	1	11783.000	12986.000	Act Stns	6.750	5.500	NAL_MWD_IFR1+MS	Original Borehole / XTO Poker Lake Unit 18 TWR 157H 0 to 12986' MD

Schlumberger

XTO Poker Lake Unit 18 TWR 157H ST01 TIP to 22560' MD Survey Geodetic Report (Def Survey)



Report Date: September 02, 2020 - 07:04 PM
Client: XTO
Field: NM Eddy County (NAD 27)
Structure / Slot: XTO Poker Lake Unit 18 TWR 157H / XTO Poker Lake Unit 18 TWR #157H (Offset)
Well: XTO Poker Lake Unit 18 TWR 157H
Borehole: ST01
UWI / API#: Unknown / 30-015-46605
Survey Name: XTO Poker Lake Unit 18 TWR 157H ST01 TIP to 22560' MD
Survey Date: August 25, 2020
Tort / AHD / DDI / ERD Ratio: 353.755' / 10762.246 ft / 6.833 / 0.854
Coordinate Reference System: NAD27 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 12' 34.75746", W 103° 48' 37.98116"
Location Grid N/E Y/X: N 440385.100 fUS, E 661691.100 fUS
CRS Grid Convergence Angle: 0.2787 °
Grid Scale Factor: 0.9999303
Version / Patch: 2.10.820.4

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 181.587 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3534.500 ft above MSL
Seabed / Ground Elevation: 3502.000 ft above MSL
Magnetic Declination: 6.769 °
Total Gravity Field Strength: 998.4280mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47739.000 nT
Magnetic Dip Angle: 59.880 °
Declination Date: August 15, 2020
Magnetic Declination Model: IFR1+MS
North Reference: Grid North
Grid Convergence Used: 0.2780 °
Total Corr Mag North->Grid North: 6.4930 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	Closure (ft)	Closure Azimuth (°)
Tie-In	12820.00	81.10	177.79	12522.12	551.32	-541.80	-351.32	N/A	439843.34	661339.80	32.208170	-103.811695	645.73	212.96
	12848.00	76.66	177.60	12527.52	578.72	-569.24	-350.21	15.88	439815.89	661340.91	32.208095	-103.811691	668.35	211.60
	12943.00	85.30	184.68	12542.42	672.40	-662.90	-352.15	11.70	439722.24	661338.97	32.207837	-103.811699	750.63	207.98
	13038.00	91.51	187.18	12545.06	767.03	-757.30	-361.96	7.05	439627.85	661329.17	32.207578	-103.811732	839.35	205.55
	13133.00	88.89	189.11	12544.73	861.40	-851.33	-375.41	3.43	439533.83	661315.71	32.207320	-103.811777	930.43	203.80
	13196.00	89.34	190.12	12545.70	923.77	-913.43	-385.94	1.75	439471.72	661305.19	32.207149	-103.811812	991.62	202.90
	13290.00	89.03	183.85	12547.04	1017.30	-1006.68	-397.36	6.68	439378.48	661293.76	32.206893	-103.811851	1082.27	201.54
	13384.00	90.55	177.84	12547.38	1111.24	-1100.62	-398.75	6.59	439284.55	661292.38	32.206635	-103.811857	1170.63	199.91
	13478.00	88.43	178.35	12548.22	1205.06	-1194.56	-395.62	2.32	439190.61	661295.50	32.206377	-103.811848	1258.37	198.32
	13572.00	87.96	176.75	12551.18	1298.78	-1288.43	-391.61	1.77	439096.75	661299.52	32.206119	-103.811837	1346.62	196.91
	13666.00	89.25	175.49	12553.47	1392.32	-1382.18	-385.25	1.92	439003.01	661305.88	32.205861	-103.811817	1434.86	195.57
	13759.00	90.19	181.33	12553.93	1485.13	-1475.10	-382.67	6.36	438910.09	661308.46	32.205605	-103.811811	1523.93	194.54
	13854.00	89.90	178.62	12553.85	1580.09	-1570.09	-382.63	2.87	438815.11	661308.50	32.205344	-103.811812	1616.04	193.70
	13949.00	89.35	175.69	12554.47	1674.79	-1664.96	-377.91	3.14	438720.24	661313.21	32.205083	-103.811798	1707.31	192.79
	14043.00	90.05	181.69	12554.97	1768.62	-1758.89	-375.76	6.43	438625.32	661315.36	32.204825	-103.811793	1798.58	192.06
	14137.00	89.49	176.80	12555.34	1862.52	-1852.86	-374.53	5.24	438532.36	661316.60	32.204567	-103.811790	1890.33	191.43
	14232.00	89.70	178.41	12556.01	1957.28	-1947.77	-370.56	1.71	438437.46	661320.57	32.204306	-103.811779	1982.70	190.77
	14326.00	89.84	177.33	12556.39	2051.08	-2041.70	-367.06	1.16	438343.53	661324.06	32.204048	-103.811769	2074.43	190.19
	14421.00	89.83	177.73	12556.67	2145.84	-2136.61	-362.97	0.42	438248.62	661328.16	32.203787	-103.811757	2167.22	189.64
	14515.00	89.98	178.50	12556.82	2239.67	-2230.56	-359.88	0.83	438154.68	661331.25	32.203528	-103.811749	2259.40	189.17
	14610.00	89.31	178.50	12557.41	2334.53	-2325.52	-357.39	0.71	438059.72	661333.73	32.203267	-103.811742	2352.83	188.74
	14703.00	88.12	177.61	12559.50	2427.33	-2418.44	-354.23	1.60	437966.81	661336.89	32.203012	-103.811733	2444.25	188.33
	14797.00	89.18	179.22	12561.71	2521.15	-2512.38	-351.63	2.05	437872.88	661339.49	32.202754	-103.811727	2536.87	187.97
	14892.00	91.32	179.61	12561.30	2616.08	-2607.37	-350.66	2.29	437777.90	661340.46	32.202493	-103.811725	2630.84	187.66
	14986.00	90.45	178.06	12559.84	2709.95	-2701.33	-348.75	1.89	437683.94	661342.37	32.202234	-103.811720	2723.75	187.36
	15081.00	89.58	175.87	12559.82	2804.64	-2796.19	-343.72	2.48	437589.08	661347.40	32.201974	-103.811705	2817.24	187.01
	15175.00	91.12	178.35	12559.25	2898.34	-2890.06	-339.99	3.11	437495.22	661352.14	32.201715	-103.811692	2909.87	186.69
	15270.00	90.15	177.79	12558.19	2993.15	-2985.00	-335.79	1.18	437400.29	661355.33	32.201454	-103.811683	3003.83	186.42
	15364.00	89.27	177.29	12558.67	3086.92	-3078.91	-331.75	1.08	437306.38	661359.37	32.201196	-103.811671	3096.73	186.15
	15458.00	88.25	176.91	12560.70	3180.61	-3172.77	-327.00	1.16	437212.53	661364.12	32.200938	-103.811657	3189.57	185.88
	15552.00	87.84	179.65	12563.91	3274.39	-3266.66	-324.18	2.95	437118.65	661366.94	32.200680	-103.811650	3282.71	185.67
	15647.00	86.59	179.94	12568.53	3368.22	-3361.55	-323.84	1.35	437023.77	661367.28	32.200419	-103.811650	3377.11	185.50
	15741.00	90.90	182.06	12570.58	3463.17	-3455.48	-325.48	5.11	436929.84	661365.64	32.200161	-103.811657	3470.78	185.38
	15835.00	90.98	180.36	12569.04	3557.15	-3549.44	-327.46	1.81	436835.88	661363.66	32.199903	-103.811665	3564.52	185.27
	15929.00	90.26	178.67	12568.02	3651.08	-3643.43	-326.67	1.95	436741.90	661364.45	32.199644	-103.811664	3658.05	185.12
	16023.00	91.20	180.91	12566.83	3745.02	-3737.42	-326.32	2.58	436647.92	661364.80	32.199386	-103.811664	3751.63	184.99
	16117.00	88.21	179.03	12567.31	3838.97	-3831.40	-326.27	3.76	436553.94	661364.85	32.199128	-103.811665	3845.27	184.87
	16211.00	89.73	181.43	12569.00	3932.91	-3925.37	-326.65	3.02	436459.97	661364.47	32.198869	-103.811668	3938.94	184.76
	16305.00	89.06	180.60	12569.99	4026.90	-4019.35	-328.32	1.13	436366.00	661362.80	32.198611	-103.811675	4032.74	184.67
	16399.00	89.38	181.06	12571.27	4120.89	-4113.33	-329.68	0.60	436272.03	661361.44	32.198353	-103.811681	4126.52	184.58
	16494.00	90.99	182.14	12570.97	4215.88	-4208.29	-332.33	2.04	436177.07	661358.79	32.198092	-103.811691	4221.39	184.52
	16588.00	90.15	181.71	12570.03	4309.87	-4302.23	-335.49	1.00	436083.14	661355.63	32.197834	-103.811702	4315.29	184.46
	16681.00	89.00	178.38	12570.72	4402.82	-4395.22	-335.56	3.79	435990.16	661355.56	32.197578	-103.811704	4408.01	184.37
	16775.00	89.62	179.81	12571.85	4496.72	-4489.19	-334.08	1.66	435896.19	661357.04	32.197320	-103.811701	4501.61	184.26
	16869.00	89.95	180.83	12572.21	4590.70	-4583.19	-334.60	1.14	435802.20	661356.52	32.197061	-103.811704	4595.39	184.18
	16964.00	94.43	182.51	12568.58	4685.60	-4678.05	-337.37	5.04	435707.34	661353.76	32.196801	-103.811714	4689.20	184.12
	17058.00	89.86	181.03	12568.06	4779.51	-4771.92	-340.26	5.11	435613.49	661350.86	32.196543	-103.811725	4784.03	184.08
	17153.00	89.16	181.06	12565.54	4874.50	-4866.90	-342.00	0.32	435518.51	661349.12	32.196282	-103.811732	4878.90	184.02
	17247.00	89.12	179.71	12566.62	4968.47	-4960.89	-342.63	1.51	435424.52	661348.49	32.196024	-103.811736	4972.71	183.95
	17341.00	89.12	180.49	12568.07	5062.43	-5054.88	-342.79	0.83	435330.54	661348.33	32.195765	-103.811738	5066.49	183.88
	17435.00	89.92	179.24	12568.85	5156.38	-5148.87	-342.57	1.58	435236.55	661348.55	32.195507	-103.811739	5160.25	183.81
	17531.00	89.28	179.80	12569.52	5252.32	-5244.86	-341.77	0.89	435140.57	661349.35	32.195243	-103.811737	5255.99	183.73
	17625.00	90.38	178.63	12569.80	5346.23	-5338.85	-340.48	1.71	435046.59	661350.64	32.194984	-103.811735	5349.70	183.65
	17720.00	89.10	177.34	12570.23	5441.04	-5433.79	-337.14	1.91	434951.66	661353.98	32.194723	-103.811725	5444.24	183.55
	17814.00	90.30	179.00	12570.73	5534.87	-5527.73	-334.14	2.18	434857.72	661356.98	32.194465	-103.811717	5537.82	183.46
	17909.00	89.70	178.11	12570.73	5629.73	-5622.70	-331.74	1.13	434762.75	661359.38	32.194204	-103.811711	5632.48	183.38
	18003.00	89.45	177.37	12571.42	5723.52	-5716.62	-328.04	0.83	434668.84	661363.09	32.193946	-103.811700	5726.03	183.30
	18098.00	90.02	178.47	12571.86	5818.32	-5811.56	-324.59	1.30	434573.91	661366.53	32.193685	-103.811691	5820.62	183.20
	18193.00	89.91	179.10	12571.92	5913.21	-5906.54	-322.57	0.67	434478.93	661368.55	32.193424	-103.811686	5915.34	183.13
	18287.00	89.58	178.43	12572.34	6007.09	-6000.51	-320.55	0.79	434384.96	661370.57	32.193165	-103.811681	6009.07	183.06
	18382.00	90.62	179.36	12572.17	6101.98	-6095.49	-318.71	1.47	434289.99	661372.41	32.192904	-103.811676	6103.82	182.99
	18476.00	89.21	177.47	12572.31	6195.83	-6189.45	-316.12	2.51	434196.04	661375.00	32.192646	-103.811669	6197.52	182.92
	18570.00	89.46	177.96	12573.40	6289.61	-6283.37	-312.3							

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	Closure (ft)	Closure Azimuth (°)
	21394.00	88.83	177.98	12595.26	9110.96	-9106.18	-298.47	0.98	431279.49	661392.65	32.184628	-103.811658	9111.07	181.55
	21489.00	88.87	177.01	12597.17	9205.69	-9201.07	-294.32	1.02	431184.61	661396.80	32.184368	-103.811646	9205.78	181.83
	21584.00	88.92	177.25	12599.00	9300.39	-9295.93	-286.56	0.26	431089.75	661401.56	32.184107	-103.811632	9300.44	181.78
	21678.00	89.16	178.88	12600.58	9394.19	-9389.86	-286.39	1.75	430995.83	661404.73	32.183849	-103.811623	9394.23	181.75
	21773.00	89.88	178.21	12601.37	9489.06	-9484.83	-283.98	1.04	430900.87	661407.14	32.183588	-103.811617	9489.08	181.71
	21868.00	89.75	178.66	12601.68	9583.91	-9579.79	-281.38	0.49	430805.91	661409.74	32.183326	-103.811610	9583.93	181.68
	21961.00	89.29	178.25	12602.46	9676.77	-9672.76	-278.87	0.66	430712.95	661412.24	32.183071	-103.811604	9676.78	181.65
	22055.00	92.84	180.60	12600.71	9770.66	-9766.71	-277.93	4.53	430619.00	661413.19	32.182813	-103.811602	9770.67	181.63
	22149.00	89.55	178.69	12598.75	9864.57	-9860.67	-277.35	4.05	430525.05	661413.77	32.182554	-103.811602	9864.57	181.61
	22244.00	91.47	180.82	12597.90	9959.51	-9955.66	-276.94	3.02	430430.07	661414.18	32.182293	-103.811602	9959.51	181.59
	22338.00	89.02	178.90	12597.50	10053.46	-10049.65	-276.71	3.31	430336.09	661414.41	32.182035	-103.811603	10053.46	181.58
LTP [330° FSL, 160° FWL]	22421.00	89.65	178.88	12598.47	10136.36	-10132.63	-275.10	0.76	430253.11	661416.01	32.181807	-103.811599	10136.36	181.56
Last Survey	22432.00	89.73	178.88	12598.53	10147.34	-10143.62	-274.89	0.76	430242.12	661416.23	32.181777	-103.811598	10147.35	181.55
Projection to Bit [190° FSL,162° FWL]	22527.00	89.71	178.56	12598.99	10242.22	-10238.60	-272.77	0.34	430147.15	661416.35	32.181515	-103.811593	10242.23	181.53
	22560.00	89.71	178.56	12599.16	10275.18	-10271.59	-271.94	0.00	430114.16	661419.18	32.181425	-103.811591	10275.19	181.52

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	32.500	1/98.425	14.750	11.750 NAL_MWD_IFR1+MS-Depth Only	Original Borehole / [XTO Poker Lake Unit 18 TWR 157H] Actual Surveys
	1	32.500	32.500	Act Stns	14.750	11.750 NAL_MWD_IFR1+MS-Depth Only	Original Borehole / [XTO Poker Lake Unit 18 TWR 157H] Actual Surveys
	1	32.500	865.000	Act Stns	14.750	NAL_MWD_IFR1+MS	Original Borehole / [XTO Poker Lake Unit 18 TWR 157H] Actual Surveys
	1	865.000	11783.000	Act Stns	8.750	NAL_MWD_IFR1+MS	Original Borehole / [XTO Poker Lake Unit 18 TWR 157H] Actual Surveys
	1	11783.000	12820.000	Act Stns	6.750	NAL_MWD_IFR1+MS	Original Borehole / [XTO Poker Lake Unit 18 TWR 157H] Actual Surveys
	1	12820.000	22560.000	Act Stns	6.750	NAL_MWD_IFR1+MS	ST01 / XTO Poker Lake Unit 18 TWR 157H ST01 TIP to 22560'



Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

September 3, 2020

XTO Permian Operating LLC
6401 Holiday Hill Road BLDG 5
Midland, TX 79707

Re:

19 24S 31E Eddy
N 32.209655 W -103.810550

CLIENT: XTO Permian Operating LLC
WELL: Poker Lake Unit 18 TWR 157H
FIELD: Purple Sage - Wolfcamp

RIG: Nabors X-20
COUNTY: Eddy
API NO: 30-015-46605
JOB NO: 20MLE0761

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Cody Jacks	Poker Lake Unit 18			
FE	TWR 157H	11878.00 Ft	August 22, 2020	XBOLT
	Original Hole	12931.00 Ft	August 24, 2020	

Schlumberger-Private

Oilfield Services, Central U.S. Land

Schlumberger Drilling and Measurements

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone : (432) 742-5400 (Main)

Fax : (432) 742-5606 (Shared)

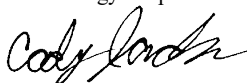
Schlumberger

Well Reference:

19 24S 31E Eddy

N 32.209655 W -103.810550

I, Cody Jacks certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of August 22, 2020 through August 24, 2020, conduct or supervise the taking of the XBOLT surveys from a depth of 11878.00 feet to a depth of 12931.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Permian Operating LLC for the Poker Lake Unit 18 TWR 157H Well (Original Hole) API No. 30-015-46605 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.



By

Cody Jacks

FE

Subscribed and Sworn to before me this _____ day of _____ (month) _____ (yr)

My Commission expires:

Notary Public

- (signature)

(County State)

Schlumberger-Private



Oilfield Services, Central U.S. Land
Schlumberger Drilling and Measurements
Drilling Group
Geo Market Area: South West Texas Basin
7220 W I-H 20
Midland, Texas 79706
Phone : (432) 742-5400 (Main)
Fax : (432) 742-5606 (Shared)

September 8, 2020

XTO Permian Operating LLC
6401 Holiday Hill Road BLDG 5
Midland, TX 79707

Re:

19 24S 31E Eddy
N 32.209655 W -103.810550

CLIENT: XTO Permian Operating LLC
WELL: Poker Lake Unit 18 TWR 157H ST01
FIELD: Purple Sage - Wolfcamp

RIG: Nabors X-20
COUNTY: Eddy
API NO: 30-015-46605-01
JOB NO: 20MLE0761

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements, a division of Schlumberger Technology Corporation (P-5 No. 754900).

Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Cody Jacks	Poker Lake Unit 18	12848.00 Ft	August 22, 2020	XBOLT
FE	TWR 157H ST01 Side Track	22527.00 Ft	September 3, 2020	

Schlumberger-Private

Oilfield Services, Central U.S. Land

Schlumberger Drilling and Measurements

Drilling Group

Geo Market Area: South West Texas Basin

7220 W I-H 20

Midland, Texas 79706

Phone : (432) 742-5400 (Main)

Fax : (432) 742-5606 (Shared)

Schlumberger

Well Reference:

19 24S 31E Eddy

N 32.209655 W -103.810550

I, Cody Jacks certify that; I am employed by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I did on the day(s) of August 22, 2020 through September 03, 2020, conduct or supervise the taking of the XBOLT surveys from a depth of 12848.00 feet to a depth of 22527.00 feet referenced to driller's depth; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Permian Operating LLC for the Poker Lake Unit 18 TWR 157H ST01 Well (Side Track) API No. 30-015-46605-01 in New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.



By

Cody Jacks

FE

Subscribed and Sworn to before me this _____ day of _____ (month) _____ (yr)

My Commission expires:

Notary Public

- (signature)

(County State)

Schlumberger-Private

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

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.)		WELL API NO. 30-015-46605
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☐ X Fed
2. Name of Operator XTO PERMIAN OPERATING LLC.		6. State Oil & Gas Lease No.
3. Address of Operator 6401 HOLIDAY HILL ROAD BUILDING 5, MIDLAND, TX 79707		7. Lease Name or Unit Agreement Name Poker Lake Unit 18 TWR
4. Well Location Unit Letter <u>A</u> : <u>105</u> feet from the <u>North</u> line and <u>816</u> feet from the <u>East</u> line Section <u>19</u> Township <u>24S</u> Range <u>31E</u> NMPM County <u>Eddy</u>		8. Well Number <u>157H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3502 GL		9. OGRID Number <u>373075</u>
		10. Pool name or Wildcat Purple Sage; Wolfcamp

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	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 12,820 ft.
 PBTD = 22,558 ft. 4/26/21 Run RCB/GR/CCL
 3/19/22 Pressure test 5 in csg to 8,854 psi for 30min test good, open sleeve.
 5/6/22 Perf and frac 47 stages, 1,176 total shots, from 13,027 to 22,429 using 505,644 bbls of fluid and 23,390,502 lbs Proppant. Tag and drill out plugs.
 6/25/22 Run 2-7/8 L80 6.5# tubing set at 11,861 ft.
 6/25/22 Packer setting depth 11,847 ft.
 Ready Date: 7/08/2022
 First Production: 7/09/2022

Spud Date:

7/21/2020

Rig Release Date:

9/6/2020

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 7/29/2022

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 18 TWR 6. Well Number: 157H											
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:	A	19	24S	31E		105	North	816	East	Eddy									
BH:	P	30	24S	31E		190	South	1158	East	Eddy									
13. Date Spudded 7/21/2020	14. Date T.D. Reached 9/2/2020		15. Date Rig Released 9/6/2020			16. Date Completed (Ready to Produce) 7/8/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3502' GL										
18. Total Measured Depth of Well 22,560			19. Plug Back Measured Depth 22,558			20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL										
22. Producing Interval(s), of this completion - Top, Bottom, Name 13,027 TO 22,429 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		857		14 3/4"		735											
7 5/8"		29.7		11,773		8 3/4"		1,595											
5 "		18.0		22,560		6 3/4"		970											
24. LINER RECORD						25. TUBING RECORD													
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET												
					2 7/8"	11,861	11,847												
26. Perforation record (interval, size, and number) 13,027 TO 22,429, 2spf, 1,176 Total Shots 47 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>13,027 TO 22,429</td> <td>505,644 bbl fluid + 23,390,502 lbs Proppant</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>						DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	13,027 TO 22,429	505,644 bbl fluid + 23,390,502 lbs Proppant				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																		
13,027 TO 22,429	505,644 bbl fluid + 23,390,502 lbs Proppant																		
28. PRODUCTION																			
Date First Production 7/9/22		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in) Producing												
Date of Test 7/10/22	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 3733	Gas - MCF 9631	Water - Bbl. 4041	Gas - Oil Ratio 2580												
Flow Tubing Press. 1058	Casing Pressure 1	Calculated 24-Hour Rate	Oil - Bbl. 3733	Gas - MCF 9631	Water - Bbl. 4041	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>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</i>																			
Signature <i>Amanda Thames</i>				Name Amanda Thames				Title Regulatory Analyst				Date 7/29/2022							
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 975'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4,075'	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 4,300'	T. Morrison	
T. Drinkard	T. Bone Springs 8,142'	T. Todilto	
T. Abo	T. Rustler 610'	T. Entrada	
T. Wolfcamp 11,490'	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 129798

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 129798
	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 129798

CONDITIONS

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	Action Number: 129798
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CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	10/1/2025