

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 - 015-45824	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 325310	⁸ Property Name POKER LAKE UNIT 13 DTD	⁹ Well Number 128H

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
B	24	24S	30E		442	North	929	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	25	24S	30E		229	South	291	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 LP	Oil
373075	XTO Permian Midstream	WTR/GAS

IV. Well Completion Data

²¹ Spud Date 12/26/2019	²² Ready Date 6/19/2021	²³ TD 22520 MD 12463 TVD	²⁴ PBT 22051 MD 12463 TVD	²⁵ Perforations 12,800 - 21,905	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
18.5	16.0	762	660		
14.75	11.75	4117	1300		
10.625	8.625	11743	2730		
7.875	5.5	22054	2850		

V. Well Test Data

³¹ Date New Oil 6/20/21	³² Gas Delivery Date 6/24/21	³³ Test Date 6/24/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 1993	³⁶ Csg. Pressure 1908
³⁷ Choke Size	³⁸ Oil 1003	³⁹ Water 6020	⁴⁰ Gas 8912		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: <i>Cassie Evans</i>			OIL CONSERVATION DIVISION		
Printed name: Cassie Evans			Approved by: KURT SIMMONS		
Title: Regulatory Analyst			Title: NMOCD, SANTA FE		
E-mail Address: cassie.evans@exxonmobil.com			Approval Date: 10/04/2021		
Date: 08/13/2021		Phone: 432.218.3671			

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 30-015-45824	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 325310	⁵ Property Name POKER LAKE UNIT 13 DTD	⁶ Well Number 128H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,476'

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	24	24 S	30 E		442	NORTH	929	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	25	24 S	30 E		229	SOUTH	291	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 = 440,282.1 X = 697,417.7 LAT. = 32.209405 °N LONG. = 103.828682 °W KOP (NAD83 NME) Y = 440,671.4 X = 697,870.8 LAT. = 32.210469 °N LONG. = 103.827211 °W FTP (NAD83 NME) Y = 440,100.6 X = 697,994.9 LAT. = 32.208899 °N LONG. = 103.826819 °W CORNER COORDINATES (NAD83 NME) <table border="0"> <tr><td>A - Y = 440,723.1 N</td><td>X = 697,006.5 E</td></tr> <tr><td>B - Y = 440,727.5 N</td><td>X = 698,344.8 E</td></tr> <tr><td>C - Y = 438,084.4 N</td><td>X = 697,016.3 E</td></tr> <tr><td>D - Y = 438,089.0 N</td><td>X = 698,354.9 E</td></tr> <tr><td>E - Y = 435,442.2 N</td><td>X = 697,026.2 E</td></tr> <tr><td>F - Y = 435,446.2 N</td><td>X = 698,365.4 E</td></tr> <tr><td>G - Y = 432,801.0 N</td><td>X = 697,038.3 E</td></tr> <tr><td>H - Y = 432,803.4 N</td><td>X = 698,375.8 E</td></tr> <tr><td>I - Y = 430,159.4 N</td><td>X = 697,050.5 E</td></tr> <tr><td>J - Y = 430,161.2 N</td><td>X = 698,386.6 E</td></tr> </table> SHL (NAD27 NME) Y = 440,223.3 X = 656,233.7 LAT. = 32.209282 °N LONG. = 103.828197 °W KOP (NAD27 NME) Y = 440,612.4 X = 656,687.0 LAT. = 32.210346 °N LONG. = 103.826726 °W FTP (NAD27 NME) Y = 440,041.6 X = 656,811.0 LAT. = 32.208775 °N LONG. = 103.826333 °W CORNER COORDINATES (NAD27 NME) <table border="0"> <tr><td>A - Y = 440,664.1 N</td><td>X = 655,822.7 E</td></tr> <tr><td>B - Y = 440,668.5 N</td><td>X = 657,161.0 E</td></tr> <tr><td>C - Y = 438,025.5 N</td><td>X = 655,832.4 E</td></tr> <tr><td>D - Y = 438,030.1 N</td><td>X = 657,171.0 E</td></tr> <tr><td>E - Y = 435,383.4 N</td><td>X = 655,842.2 E</td></tr> <tr><td>F - Y = 435,387.4 N</td><td>X = 657,181.3 E</td></tr> <tr><td>G - Y = 432,742.2 N</td><td>X = 655,854.2 E</td></tr> <tr><td>H - Y = 432,744.6 N</td><td>X = 657,191.7 E</td></tr> <tr><td>I - Y = 430,100.6 N</td><td>X = 655,866.3 E</td></tr> <tr><td>J - Y = 430,102.5 N</td><td>X = 657,202.4 E</td></tr> </table>	A - Y = 440,723.1 N	X = 697,006.5 E	B - Y = 440,727.5 N	X = 698,344.8 E	C - Y = 438,084.4 N	X = 697,016.3 E	D - Y = 438,089.0 N	X = 698,354.9 E	E - Y = 435,442.2 N	X = 697,026.2 E	F - Y = 435,446.2 N	X = 698,365.4 E	G - Y = 432,801.0 N	X = 697,038.3 E	H - Y = 432,803.4 N	X = 698,375.8 E	I - Y = 430,159.4 N	X = 697,050.5 E	J - Y = 430,161.2 N	X = 698,386.6 E	A - Y = 440,664.1 N	X = 655,822.7 E	B - Y = 440,668.5 N	X = 657,161.0 E	C - Y = 438,025.5 N	X = 655,832.4 E	D - Y = 438,030.1 N	X = 657,171.0 E	E - Y = 435,383.4 N	X = 655,842.2 E	F - Y = 435,387.4 N	X = 657,181.3 E	G - Y = 432,742.2 N	X = 655,854.2 E	H - Y = 432,744.6 N	X = 657,191.7 E	I - Y = 430,100.6 N	X = 655,866.3 E	J - Y = 430,102.5 N	X = 657,202.4 E	LTP (NAD83 NME) Y = 431,004.3 X = 698,067.4 LAT. = 32.183894 °N LONG. = 103.826723 °W BHL (NAD83 NME) Y = 430,390.0 X = 698,094.6 LAT. = 32.182205 °N LONG. = 103.826644 °W
	A - Y = 440,723.1 N	X = 697,006.5 E																																								
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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>Cassie Evans</u> 08/19/21 Signature Date Cassie Evans Printed Name cassie.evans@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. 8-19-2021 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number JC 2018010159																																										

Intent ☐ As Drilled ☒API #
30-015-45824

Operator Name: XTO PERMIAN OPERATING, LLC.	Property Name: POKER LAKE UNIT 13 DTD	Well Number 128H
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Kick Off Point (KOP)

UL A	Section 24	Township 24S	Range 30E	Lot	Feet 55	From N/S FNL	Feet 474	From E/W FEL	County EDDY
Latitude 32.210469					Longitude 103.827211				NAD 83

First Take Point (FTP)

UL A	Section 24	Township 24S	Range 30E	Lot	Feet 626	From N/S FNL	Feet 352	From E/W FEL	County EDDY
Latitude 32.208899					Longitude 103.826819				NAD 83

Last Take Point (LTP)

UL P	Section 25	Township 24S	Range 30E	Lot	Feet 844	From N/S FSL	Feet 316	From E/W FEL	County EDDY
Latitude 32.183894					Longitude 103.826723				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 #

Operator Name:	Property Name:	Well Number
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KZ 06/29/2018

HALLIBURTON

3950 Interwood S. Pkwy • Houston, TX 77032
PHONE 281.986.4400 • FAX 281.986.4499

State of New Mexico, Eddy

I, Patricia Rojas certify that I am employed by Halliburton Energy Services, Inc. (aka Sperry Drilling) and that on the dates of December 24, 2019 through February 21, 2020, I did conduct or supervise the taking of MWD directional surveys for the Poker Lake Unit 13 DTD 128H-ST2 well from a depth of 200' MD to a depth of 22475' MD. This data is true, correct, complete and within the limitations of the tools as set forth by Halliburton Energy Services, Inc. (aka Sperry Drilling). I am authorized and qualified to make this report and these surveys were conducted at the request of XTO Energy Inc., for the Poker Lake Unit 13 DTD 128H-ST2 well in Eddy. I have reviewed this report and find that it confirms to the principles and procedures as set forth by Halliburton Energy Services, Inc. (aka Sperry Drilling.)

Patricia Rojas

Patricia Rojas
Field Engineer

XTO Energy Inc.
Eddy County, NM (NAD27) Poker Lake Unit 13 DTD Pad (Grid)
API#
Poker Lake Unit 13 DTD 128H
SHL: (442' FNL - 929' FEL)
ST02
Design: ST02

Sperry Drilling Services
Combo Report
24 February, 2020

Well Coordinates:	32.20928181 -103.82819716	NAD 1927 (NADCON CONUS) New Mexico East 3001 440,223.30 N 656,233.70 E
Ground Level:	3,476.00 usft	
Local Coordinate Origin:		Centered on Well Poker Lake Unit 13 DTD 128H
Viewing Datum:		RKB (H&P 467) 27' + GL(3476') @ 3503.00usft
TVDs to System:		N
North Reference:		Grid
Unit System:		Midcon (2 decimal)

Version: 5000.15 Build: 91E
Report Version: Midcon Combo v1.15

HALLIBURTON

Design Report for Poker Lake Unit 13 DTD 128H - ST02

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Easting (usft)	Map Coordinates Northing (usft)	Easting (usft)	Dogleg Rate (°/100usft)	Vertical Section (usft)	Tooface Angle (°)	Comments
0.00	0.00	0.00	0.00	0.00 N	0.00 E	440,223.30	656,233.70	0.00	0.00	0.00	
200.00	1.37	65.55	199.98	0.99 N	2.18 E	440,224.29	656,235.88	0.68	-0.98	65.55	First MWD survey @ 200' MD
310.00	0.13	37.50	309.97	1.63 N	3.45 E	440,224.93	656,237.15	1.14	-1.62	-177.21	
405.00	1.34	51.20	404.96	2.41 N	4.38 E	440,225.71	656,238.08	1.28	-2.40	15.15	
496.00	1.29	41.30	495.94	3.85 N	5.89 E	440,227.15	656,239.59	0.26	-3.83	-107.33	
587.00	1.35	34.21	586.91	5.51 N	7.17 E	440,228.81	656,240.87	0.19	-5.48	-73.40	
678.00	1.52	26.95	677.88	7.47 N	8.31 E	440,230.77	656,242.01	0.27	-7.44	-50.59	
787.00	1.81	27.11	786.84	10.29 N	9.75 E	440,233.59	656,243.45	0.27	-10.25	1.00	
848.00	1.58	23.52	847.81	11.92 N	10.53 E	440,235.22	656,244.23	0.42	-11.88	-157.00	
939.00	1.64	24.56	938.77	14.25 N	11.57 E	440,237.55	656,245.27	0.07	-14.21	26.49	
1,033.00	1.51	24.43	1,032.74	16.60 N	12.64 E	440,239.90	656,246.34	0.14	-16.56	-178.49	
1,127.00	1.47	26.81	1,126.71	18.81 N	13.70 E	440,242.11	656,247.40	0.08	-18.76	124.06	
1,222.00	1.27	36.48	1,221.68	20.74 N	14.87 E	440,244.04	656,248.57	0.32	-20.69	135.63	
1,316.00	1.19	48.74	1,315.66	22.22 N	16.23 E	440,245.52	656,249.93	0.29	-22.16	112.98	
1,411.00	1.12	45.76	1,410.64	23.52 N	17.63 E	440,246.82	656,251.33	0.10	-23.45	-140.85	
1,505.00	1.02	49.30	1,504.62	24.71 N	18.93 E	440,248.01	656,252.63	0.13	-24.64	148.29	
1,599.00	0.88	53.03	1,598.61	25.69 N	20.14 E	440,248.99	656,253.84	0.16	-25.61	158.02	
1,694.00	0.91	54.25	1,693.60	26.57 N	21.33 E	440,249.87	656,255.03	0.04	-26.49	33.04	
1,788.00	0.82	42.01	1,787.59	27.50 N	22.39 E	440,250.80	656,256.09	0.22	-27.42	-122.00	
1,883.00	0.88	40.51	1,882.58	28.56 N	23.32 E	440,251.86	656,257.02	0.07	-28.47	-21.10	
1,977.00	0.91	38.37	1,976.57	29.70 N	24.25 E	440,253.00	656,257.95	0.05	-29.60	-49.17	
2,071.00	0.88	28.14	2,070.55	30.92 N	25.05 E	440,254.22	656,258.75	0.17	-30.82	-105.72	
2,166.00	0.86	10.44	2,165.54	32.26 N	25.53 E	440,255.56	656,259.23	0.28	-32.17	-103.07	
2,260.00	0.81	358.11	2,259.53	33.62 N	25.63 E	440,256.92	656,259.33	0.20	-33.52	-111.66	
2,355.00	0.76	354.77	2,354.53	34.92 N	25.55 E	440,258.22	656,259.25	0.07	-34.82	-139.20	
2,449.00	0.70	341.33	2,448.52	36.08 N	25.31 E	440,259.38	656,259.01	0.19	-35.99	-115.95	
2,543.00	0.71	5.19	2,542.51	37.21 N	25.18 E	440,260.51	656,258.88	0.31	-37.11	100.01	
2,638.00	1.30	49.74	2,637.50	38.49 N	26.06 E	440,261.79	656,259.76	0.99	-38.39	76.65	
2,732.00	2.58	54.20	2,731.44	40.42 N	28.59 E	440,263.72	656,262.29	1.37	-40.31	8.96	
2,827.00	3.89	49.15	2,826.29	43.78 N	32.76 E	440,267.08	656,266.46	1.41	-43.65	-14.80	
2,921.00	4.99	48.77	2,920.00	48.56 N	38.24 E	440,271.86	656,271.94	1.17	-48.41	-1.72	
3,015.00	6.10	50.83	3,013.56	54.41 N	45.19 E	440,277.71	656,278.89	1.20	-54.23	11.19	
3,109.00	6.75	51.68	3,106.97	60.99 N	53.40 E	440,284.29	656,287.10	0.70	-60.78	8.75	
3,204.00	7.77	52.38	3,201.21	68.37 N	62.86 E	440,291.67	656,296.56	1.08	-68.13	5.30	
3,298.00	8.82	52.79	3,294.22	76.61 N	73.64 E	440,299.91	656,307.34	1.12	-76.32	3.43	
3,393.00	8.53	53.19	3,388.14	85.23 N	85.08 E	440,308.53	656,318.78	0.31	-84.90	168.45	

XTO Energy Inc.
Eddy County, NM (NAD27)

HALLIBURTON

Design Report for Poker Lake Unit 13 DTD 128H - ST02

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
3,487.00	8.29	53.99	3,481.13	93.39 N	96.14 E	440,316.69	656,329.84	0.28	-93.02	154.41	
3,581.00	8.36	52.80	3,574.14	101.51 N	107.07 E	440,324.81	656,340.77	0.20	-101.10	-68.48	
3,675.00	8.55	50.57	3,667.11	110.08 N	117.91 E	440,333.38	656,351.61	0.40	-109.62	-61.01	
3,769.00	8.34	51.75	3,760.10	118.74 N	128.66 E	440,342.04	656,362.36	0.29	-118.24	141.05	
3,864.00	8.15	53.30	3,854.11	127.03 N	139.47 E	440,350.33	656,373.17	0.31	-126.49	131.29	
3,958.00	8.11	51.65	3,947.17	135.12 N	150.01 E	440,358.42	656,383.71	0.25	-134.54	-100.54	
4,049.00	8.17	49.15	4,037.25	143.33 N	159.94 E	440,366.63	656,393.64	0.39	-142.72	-81.62	
4,147.00	7.80	48.28	4,134.30	152.31 N	170.17 E	440,375.61	656,403.87	0.40	-151.66	-162.34	
4,241.00	7.63	47.86	4,227.45	160.75 N	179.55 E	440,384.05	656,413.25	0.19	-160.06	-161.86	
4,335.00	8.18	47.97	4,320.56	169.41 N	189.15 E	440,392.71	656,422.85	0.59	-168.68	1.63	
4,429.00	8.97	49.75	4,413.51	178.62 N	199.71 E	440,401.92	656,433.41	0.89	-177.85	19.45	
4,523.00	9.11	49.26	4,506.34	188.21 N	210.94 E	440,411.51	656,444.64	0.17	-187.40	-29.05	
4,617.00	9.17	48.97	4,599.15	197.99 N	222.23 E	440,421.29	656,455.93	0.08	-197.13	-37.66	
4,712.00	9.40	48.02	4,692.90	208.15 N	233.71 E	440,431.45	656,467.41	0.29	-207.25	-34.15	
4,806.00	9.58	48.42	4,785.61	218.47 N	245.26 E	440,441.77	656,478.96	0.20	-217.53	20.32	
4,900.00	9.75	48.17	4,878.28	228.97 N	257.05 E	440,452.27	656,490.75	0.19	-227.98	-13.99	
4,995.00	9.51	47.01	4,971.94	239.69 N	268.78 E	440,462.99	656,502.48	0.32	-238.65	-141.61	
5,089.00	7.75	42.13	5,064.87	249.68 N	278.71 E	440,472.98	656,512.41	2.03	-248.61	-159.81	
5,183.00	7.51	40.76	5,158.04	259.04 N	286.98 E	440,482.34	656,520.68	0.32	-257.93	-143.52	
5,278.00	7.55	44.08	5,252.22	268.22 N	295.37 E	440,491.52	656,529.07	0.46	-267.09	86.39	
5,372.00	7.79	48.76	5,345.38	276.86 N	304.46 E	440,500.16	656,538.16	0.71	-275.69	71.31	
5,466.00	8.02	48.38	5,438.49	285.41 N	314.15 E	440,508.71	656,547.85	0.25	-284.20	-12.99	
5,560.00	8.07	46.35	5,531.57	294.32 N	323.83 E	440,517.62	656,557.53	0.31	-293.08	-81.02	
5,654.00	8.08	46.29	5,624.63	303.44 N	333.38 E	440,526.74	656,567.08	0.01	-302.16	-40.15	
5,748.00	7.78	45.26	5,717.73	312.49 N	342.67 E	440,535.79	656,576.37	0.35	-311.17	-155.16	
5,843.00	7.44	44.59	5,811.90	321.39 N	351.56 E	440,544.69	656,585.26	0.37	-320.04	-165.71	
5,937.00	7.11	44.43	5,905.14	329.88 N	359.90 E	440,553.18	656,593.60	0.35	-328.50	-176.57	
6,031.00	7.45	52.69	5,998.39	337.73 N	368.82 E	440,561.03	656,602.52	1.17	-336.31	76.13	
6,125.00	7.67	53.42	6,091.57	345.16 N	378.70 E	440,568.46	656,612.40	0.26	-343.70	23.95	
6,219.00	6.98	55.51	6,184.80	352.13 N	388.45 E	440,575.43	656,622.15	0.79	-350.64	159.92	
6,314.00	6.59	56.51	6,279.14	358.41 N	397.75 E	440,581.71	656,631.45	0.43	-356.88	163.64	
6,408.00	6.35	56.92	6,372.54	364.22 N	406.61 E	440,587.52	656,640.31	0.26	-362.66	169.31	
6,502.00	5.32	55.49	6,466.05	369.53 N	414.55 E	440,592.83	656,648.25	1.11	-367.94	-172.68	
6,597.00	4.37	56.54	6,560.71	374.02 N	421.20 E	440,597.32	656,654.90	1.00	-372.40	175.19	
6,691.00	4.15	52.75	6,654.45	378.05 N	426.90 E	440,601.35	656,660.60	0.38	-376.41	-129.89	
6,785.00	3.41	50.79	6,748.24	381.88 N	431.77 E	440,605.18	656,665.47	0.80	-380.22	-171.07	
6,879.00	2.76	57.54	6,842.11	384.86 N	435.85 E	440,608.16	656,669.55	0.79	-383.19	154.14	

HALLIBURTON**Design Report for Poker Lake Unit 13 DTD 128H - ST02**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Easting (usft)	Map Coordinates Northing (usft)	Easting (usft)	Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
6,973.00	2.50	58.39	6,936.01	387.15 N	439.50 E	440,610.45	656,673.20	0.28	-385.46	171.89	
7,068.00	2.46	59.52	7,030.92	389.27 N	443.02 E	440,612.57	656,676.72	0.07	-387.57	129.85	
7,162.00	2.43	63.35	7,124.83	391.19 N	446.54 E	440,614.49	656,680.24	0.18	-389.47	102.31	
7,257.00	1.87	73.01	7,219.77	392.54 N	449.83 E	440,615.84	656,683.53	0.70	-390.81	151.86	
7,351.00	1.58	95.50	7,313.72	392.87 N	452.58 E	440,616.17	656,686.28	0.78	-391.13	124.16	
7,445.00	1.66	97.01	7,407.69	392.58 N	455.22 E	440,615.88	656,688.92	0.10	-390.83	28.84	
7,540.00	1.82	100.84	7,502.64	392.13 N	458.07 E	440,615.43	656,691.77	0.21	-390.36	37.94	
7,634.00	1.80	106.50	7,596.60	391.43 N	460.95 E	440,614.73	656,694.65	0.19	-389.65	99.21	
7,728.00	1.64	115.52	7,690.55	390.43 N	463.58 E	440,613.73	656,697.28	0.33	-388.64	125.04	
7,823.00	1.17	141.30	7,785.53	389.08 N	465.42 E	440,612.38	656,699.12	0.82	-387.29	139.05	
7,917.00	1.08	171.49	7,879.51	387.46 N	466.15 E	440,610.76	656,699.85	0.63	-385.67	113.53	
8,012.00	1.00	159.27	7,974.49	385.80 N	466.57 E	440,609.10	656,700.27	0.25	-384.00	-115.87	
8,106.00	0.99	164.99	8,068.48	384.25 N	467.07 E	440,607.55	656,700.77	0.11	-382.45	98.60	
8,200.00	0.56	162.74	8,162.47	383.02 N	467.42 E	440,606.32	656,701.12	0.46	-381.23	-177.08	
8,295.00	0.26	35.09	8,257.47	382.76 N	467.68 E	440,606.06	656,701.38	0.79	-380.96	-164.02	
8,389.00	0.45	345.18	8,351.47	383.29 N	467.71 E	440,606.59	656,701.41	0.37	-381.49	-85.05	
8,484.00	0.75	254.23	8,446.46	383.48 N	467.02 E	440,606.78	656,700.72	0.93	-381.68	-121.66	
8,578.00	1.11	238.62	8,540.45	382.84 N	465.65 E	440,606.14	656,699.35	0.46	-381.05	-43.11	
8,673.00	1.25	212.24	8,635.43	381.48 N	464.31 E	440,604.78	656,698.01	0.58	-379.70	-88.98	
8,767.00	1.23	202.80	8,729.41	379.69 N	463.37 E	440,602.99	656,697.07	0.22	-377.90	-100.30	
8,861.00	1.37	203.87	8,823.39	377.73 N	462.53 E	440,601.03	656,696.23	0.15	-375.95	10.37	
8,955.00	1.16	196.38	8,917.36	375.79 N	461.80 E	440,599.09	656,695.50	0.28	-374.01	-145.49	
9,050.00	1.01	168.30	9,012.35	374.05 N	461.70 E	440,597.35	656,695.40	0.57	-372.27	-119.49	
9,144.00	1.16	168.62	9,106.33	372.30 N	462.06 E	440,595.60	656,695.76	0.16	-370.52	2.47	
9,238.00	1.39	168.02	9,200.31	370.25 N	462.48 E	440,593.55	656,696.18	0.25	-368.48	-3.62	
9,332.00	1.14	180.81	9,294.28	368.20 N	462.70 E	440,591.50	656,696.40	0.40	-366.42	137.80	
9,427.00	0.60	208.38	9,389.27	366.82 N	462.45 E	440,590.12	656,696.15	0.70	-365.04	155.46	
9,521.00	0.42	258.36	9,483.27	366.32 N	461.88 E	440,589.62	656,695.58	0.49	-364.54	135.73	
9,616.00	0.87	222.39	9,578.26	365.72 N	461.06 E	440,589.02	656,694.76	0.62	-363.94	-60.92	
9,710.00	0.87	216.24	9,672.25	364.61 N	460.15 E	440,587.91	656,693.85	0.10	-362.84	-93.07	
9,805.00	0.62	298.74	9,767.25	364.28 N	459.28 E	440,587.58	656,692.98	1.05	-362.51	142.08	
9,899.00	1.25	297.73	9,861.23	365.00 N	457.92 E	440,588.30	656,691.62	0.67	-363.24	-2.00	
9,994.00	1.06	318.14	9,956.21	366.14 N	456.42 E	440,589.44	656,690.12	0.47	-364.38	124.76	
10,088.00	1.34	328.61	10,050.19	367.72 N	455.27 E	440,591.02	656,688.97	0.38	-365.97	43.38	
10,183.00	1.01	322.44	10,145.17	369.33 N	454.18 E	440,592.63	656,687.88	0.37	-367.59	-162.09	
10,277.00	0.84	324.80	10,239.16	370.55 N	453.27 E	440,593.85	656,686.97	0.19	-368.81	168.55	
10,371.00	0.65	52.98	10,333.16	371.44 N	453.30 E	440,594.74	656,687.00	1.11	-369.69	141.59	

HALLIBURTON

Design Report for Poker Lake Unit 13 DTD 128H - ST02

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates Northing (usft)	Easting (usft)	Map Coordinates Northing (usft)	Easting (usft)	Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
10,466.00	0.88	77.97	10,428.15	371.91 N	454.45 E	440,595.21	656,688.15	0.42	-370.17	68.34	
10,561.00	1.37	51.43	10,523.13	372.77 N	456.05 E	440,596.07	656,689.75	0.74	-371.02	-60.55	
10,655.00	1.63	43.09	10,617.10	374.45 N	457.84 E	440,597.75	656,691.54	0.36	-372.69	-44.24	
10,749.00	1.88	23.67	10,711.05	376.84 N	459.37 E	440,600.14	656,693.07	0.68	-375.07	-77.10	
10,844.00	1.32	346.87	10,806.02	379.33 N	459.75 E	440,602.63	656,693.45	1.20	-377.56	-136.14	
10,938.00	1.12	342.95	10,900.00	381.27 N	459.23 E	440,604.57	656,692.93	0.23	-379.50	-159.30	
11,032.00	1.33	343.46	10,993.98	383.19 N	458.65 E	440,606.49	656,692.35	0.22	-381.43	3.23	
11,126.00	1.30	338.05	11,087.95	385.22 N	457.95 E	440,608.52	656,691.65	0.14	-383.46	-106.28	
11,221.00	1.33	327.76	11,182.93	387.16 N	456.95 E	440,610.46	656,690.65	0.25	-385.40	-87.92	
11,315.00	1.02	315.44	11,276.91	388.68 N	455.79 E	440,611.98	656,689.49	0.42	-386.92	-146.87	
11,409.00	0.67	324.50	11,370.90	389.72 N	454.88 E	440,613.02	656,688.58	0.40	-387.97	163.60	
11,503.00	0.55	325.81	11,464.89	390.54 N	454.31 E	440,613.84	656,688.01	0.13	-388.79	174.03	
11,598.00	0.40	304.00	11,559.89	391.10 N	453.78 E	440,614.40	656,687.48	0.24	-389.36	-140.24	
11,673.00	0.11	298.76	11,634.89	391.28 N	453.50 E	440,614.58	656,687.20	0.39	-389.54	-178.02	
11,775.00	0.43	212.90	11,736.89	391.01 N	453.20 E	440,614.31	656,686.90	0.43	-389.27	-100.43	
11,838.00	4.52	181.13	11,799.82	388.33 N	453.02 E	440,611.63	656,686.72	6.60	-386.59	-34.88	
11,885.00	10.91	159.24	11,846.37	382.31 N	454.57 E	440,605.61	656,688.27	14.73	-380.56	-35.84	
11,933.00	15.32	161.26	11,893.11	372.05 N	458.22 E	440,595.35	656,691.92	9.24	-370.29	6.92	
11,980.00	17.70	160.35	11,938.17	359.44 N	462.61 E	440,582.74	656,696.31	5.09	-357.66	-6.64	
12,027.00	19.05	161.88	11,982.77	345.42 N	467.40 E	440,568.72	656,701.10	3.05	-343.63	20.39	
12,074.00	18.67	157.39	12,027.25	331.19 N	472.68 E	440,554.49	656,706.38	3.19	-329.37	-106.79	
12,121.00	22.11	158.10	12,071.30	316.03 N	478.87 E	440,539.33	656,712.57	7.34	-314.19	4.45	
12,168.00	26.86	160.77	12,114.06	297.79 N	485.67 E	440,521.09	656,719.37	10.37	-295.92	14.34	
12,215.00	31.70	162.14	12,155.05	276.00 N	492.96 E	440,499.30	656,726.66	10.40	-274.10	8.48	
12,262.00	36.12	163.79	12,194.04	250.93 N	500.62 E	440,474.23	656,734.32	9.61	-249.00	12.45	
12,310.00	39.01	163.00	12,232.09	222.89 N	508.99 E	440,446.19	656,742.69	6.10	-220.93	-9.78	
12,357.00	41.81	165.20	12,267.87	193.59 N	517.32 E	440,416.89	656,751.02	6.68	-191.60	27.83	
12,404.00	44.78	164.79	12,302.08	162.46 N	525.66 E	440,385.76	656,759.36	6.35	-160.44	-5.56	
12,451.00	49.21	164.22	12,334.13	129.35 N	534.85 E	440,352.65	656,768.55	9.47	-127.30	-5.57	
12,472.00	51.05	164.81	12,347.59	113.82 N	539.15 E	440,337.12	656,772.85	9.01	-111.75	14.10	Hardline Cross @ 12472' MD (330.30' FNL, 389.20' FEL of Sec. 24)
12,499.00	53.41	165.53	12,364.13	93.19 N	544.61 E	440,316.49	656,778.31	9.01	-91.10	13.72	
12,546.00	55.75	167.77	12,391.37	55.93 N	553.44 E	440,279.23	656,787.14	6.31	-53.80	38.61	
12,593.00	61.67	171.01	12,415.77	16.47 N	560.80 E	440,239.77	656,794.50	13.90	-14.32	25.92	
12,640.00	67.51	173.97	12,435.93	25.60 S	566.32 E	440,197.70	656,800.02	13.66	27.77	25.25	
12,687.00	75.01	175.92	12,451.02	69.90 S	570.22 E	440,153.40	656,803.92	16.43	72.09	14.16	
12,782.00	88.71	176.92	12,464.44	163.54 S	576.06 E	440,059.76	656,809.76	14.46	165.75	4.21	

HALLIBURTON

Design Report for Poker Lake Unit 13 DTD 128H - ST02

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
12,876.00	90.77	176.09	12,464.87	257.36 S	581.79 E	439,965.94	656,815.49	2.36	259.59	-21.95	
12,970.00	88.49	178.63	12,465.48	351.24 S	586.12 E	439,872.06	656,819.82	3.63	353.49	131.91	
13,065.00	89.26	178.85	12,467.34	446.20 S	588.21 E	439,777.10	656,821.91	0.84	448.45	15.94	
13,159.00	90.15	180.31	12,467.82	540.19 S	588.90 E	439,683.11	656,822.60	1.82	542.45	58.64	
13,254.00	90.40	182.14	12,467.37	635.16 S	586.87 E	439,588.14	656,820.57	1.94	637.41	82.22	
13,276.00	89.91	182.40	12,467.31	657.15 S	586.00 E	439,566.15	656,819.70	2.52	659.39	152.05	
13,370.00	89.91	180.53	12,467.46	751.11 S	583.59 E	439,472.19	656,817.29	1.99	753.35	-90.00	
13,465.00	89.54	180.46	12,467.91	846.11 S	582.77 E	439,377.19	656,816.47	0.40	848.34	-169.29	
13,559.00	90.34	182.43	12,468.01	940.07 S	580.40 E	439,283.23	656,814.10	2.26	942.29	67.90	
13,654.00	90.00	184.83	12,467.73	1,034.87 S	574.39 E	439,188.43	656,808.09	2.55	1,037.07	98.06	
13,748.00	88.89	182.74	12,468.64	1,128.66 S	568.18 E	439,094.64	656,801.88	2.52	1,130.83	-117.98	
13,842.00	90.80	179.88	12,468.89	1,222.62 S	566.04 E	439,000.68	656,799.74	3.66	1,224.78	-56.27	
13,936.00	91.98	178.19	12,466.61	1,316.57 S	567.62 E	438,906.73	656,801.32	2.19	1,318.74	-55.05	
14,031.00	91.61	178.48	12,463.64	1,411.48 S	570.38 E	438,811.82	656,804.08	0.49	1,413.66	141.92	
14,125.00	88.77	176.68	12,463.33	1,505.39 S	574.35 E	438,717.91	656,808.05	3.58	1,507.58	-147.63	
14,220.00	89.57	176.87	12,464.70	1,600.23 S	579.69 E	438,623.07	656,813.39	0.87	1,602.44	13.36	
14,314.00	89.63	175.37	12,465.36	1,694.01 S	586.05 E	438,529.29	656,819.75	1.60	1,696.24	-87.71	
14,408.00	89.63	177.31	12,465.97	1,787.81 S	592.05 E	438,435.49	656,825.75	2.06	1,790.07	90.01	
14,503.00	90.03	177.54	12,466.25	1,882.71 S	596.32 E	438,340.59	656,830.02	0.49	1,884.99	29.90	
14,597.00	89.04	176.78	12,467.01	1,976.59 S	600.97 E	438,246.71	656,834.67	1.33	1,978.88	-142.49	
14,691.00	91.18	180.42	12,466.83	2,070.54 S	603.27 E	438,152.76	656,836.97	4.49	2,072.84	59.55	
14,786.00	89.17	181.16	12,466.54	2,165.53 S	601.96 E	438,057.77	656,835.66	2.25	2,167.82	159.79	
14,880.00	89.42	181.75	12,467.70	2,259.49 S	599.57 E	437,963.81	656,833.27	0.68	2,261.77	67.04	
14,975.00	89.41	180.41	12,468.67	2,354.46 S	597.78 E	437,868.84	656,831.48	1.41	2,356.74	-90.43	
15,069.00	90.87	180.62	12,468.44	2,448.46 S	596.94 E	437,774.84	656,830.64	1.57	2,450.73	8.18	
15,163.00	92.72	180.70	12,465.49	2,542.40 S	595.86 E	437,680.90	656,829.56	1.97	2,544.67	2.47	
15,258.00	89.01	181.65	12,464.06	2,637.35 S	593.91 E	437,585.95	656,827.61	4.03	2,639.61	165.63	
15,352.00	91.45	181.61	12,463.68	2,731.31 S	591.24 E	437,491.99	656,824.94	2.60	2,733.56	-0.94	
15,446.00	90.77	181.96	12,461.86	2,825.24 S	588.31 E	437,398.06	656,822.01	0.81	2,827.48	152.77	
15,541.00	90.93	177.32	12,460.45	2,920.20 S	588.90 E	437,303.10	656,822.60	4.89	2,922.44	-87.99	
15,635.00	91.92	177.82	12,458.11	3,014.09 S	592.89 E	437,209.21	656,826.59	1.18	3,016.34	26.78	
15,730.00	86.54	177.89	12,459.39	3,108.98 S	596.44 E	437,114.32	656,830.14	5.66	3,111.25	179.25	
15,824.00	88.58	178.31	12,463.39	3,202.84 S	599.56 E	437,020.46	656,833.26	2.22	3,205.12	11.63	
15,919.00	88.21	178.50	12,466.05	3,297.76 S	602.20 E	436,925.54	656,835.90	0.44	3,300.05	152.83	
16,013.00	91.27	178.17	12,466.48	3,391.71 S	604.93 E	436,831.59	656,838.63	3.27	3,394.01	-6.16	
16,107.00	90.22	179.23	12,465.26	3,485.68 S	607.06 E	436,737.62	656,840.76	1.59	3,487.98	134.72	
16,202.00	89.88	181.32	12,465.17	3,580.67 S	606.61 E	436,642.63	656,840.31	2.23	3,582.97	99.24	

Design Report for Poker Lake Unit 13 DTD 128H - ST02

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
16,296.00	90.65	180.70	12,464.74	3,674.65 S	604.95 E	436,548.65	656,838.65	1.05	3,676.95	-38.84	
16,390.00	90.09	181.51	12,464.13	3,768.63 S	603.14 E	436,454.67	656,836.84	1.05	3,770.92	124.66	
16,485.00	89.88	180.05	12,464.16	3,863.62 S	601.84 E	436,359.68	656,835.54	1.55	3,865.90	-98.18	
16,579.00	90.80	178.52	12,463.60	3,957.61 S	603.02 E	436,265.69	656,836.72	1.90	3,959.89	-58.98	
16,652.00	85.40	182.53	12,466.02	4,030.52 S	602.35 E	436,192.78	656,836.05	9.21	4,032.81	143.46	First ST01 MWD Survey @ 16652' MD
16,746.00	86.51	183.17	12,472.65	4,124.17 S	597.69 E	436,099.13	656,831.39	1.36	4,126.43	29.93	
16,840.00	88.18	184.30	12,477.00	4,217.87 S	591.57 E	436,005.43	656,825.27	2.14	4,220.11	34.08	
16,934.00	90.89	182.81	12,477.77	4,311.67 S	585.75 E	435,911.63	656,819.45	3.29	4,313.89	-28.81	
17,029.00	90.09	182.92	12,476.95	4,406.55 S	581.00 E	435,816.75	656,814.70	0.85	4,408.75	172.17	
17,123.00	89.63	181.93	12,477.18	4,500.46 S	577.10 E	435,722.84	656,810.80	1.26	4,502.65	-112.88	
17,218.00	87.53	182.76	12,479.54	4,595.35 S	573.30 E	435,627.95	656,807.00	2.42	4,597.52	156.13	
17,312.00	89.91	180.96	12,481.64	4,689.27 S	570.25 E	435,534.03	656,803.95	3.17	4,691.42	-37.12	
17,406.00	92.35	178.76	12,479.78	4,783.24 S	570.48 E	435,440.06	656,804.18	3.49	4,785.39	-42.02	
17,432.00	90.71	178.23	12,479.09	4,809.22 S	571.16 E	435,414.08	656,804.86	6.63	4,811.38	-162.09	First ST02 MWD Survey @ 14432' MD
17,460.00	89.86	177.82	12,478.95	4,837.20 S	572.13 E	435,386.10	656,805.83	3.36	4,839.36	-153.93	Sec. Crossing @ 17460' MD (0.27' FNL, 375.37' FEL of Sec. 25)
17,526.00	87.87	176.84	12,480.25	4,903.11 S	575.20 E	435,320.19	656,808.90	3.36	4,905.28	-153.93	
17,621.00	87.31	176.40	12,484.25	4,997.86 S	580.80 E	435,225.44	656,814.50	0.75	5,000.06	-141.88	
17,715.00	88.02	175.98	12,488.08	5,091.58 S	587.04 E	435,131.72	656,820.74	0.88	5,093.79	-30.59	
17,810.00	90.09	175.94	12,489.65	5,186.32 S	593.73 E	435,036.98	656,827.43	2.18	5,188.56	-1.11	
17,904.00	88.30	176.24	12,490.97	5,280.09 S	600.14 E	434,943.21	656,833.84	1.93	5,282.36	170.49	
17,996.00	89.32	177.44	12,492.88	5,371.93 S	605.21 E	434,851.37	656,838.91	1.71	5,374.21	49.64	
18,090.00	93.59	179.07	12,490.49	5,465.83 S	608.07 E	434,757.47	656,841.77	4.86	5,468.12	20.87	
18,184.00	92.66	179.49	12,485.37	5,559.68 S	609.25 E	434,663.62	656,842.95	1.09	5,561.98	155.72	
18,279.00	92.13	179.85	12,481.40	5,654.59 S	609.80 E	434,568.71	656,843.50	0.67	5,656.89	145.83	
18,373.00	89.44	179.92	12,480.11	5,748.58 S	609.99 E	434,474.72	656,843.69	2.86	5,750.88	178.51	
18,467.00	94.02	180.67	12,477.27	5,842.51 S	609.50 E	434,380.79	656,843.20	4.94	5,844.80	9.29	
18,562.00	89.11	181.50	12,474.68	5,937.43 S	607.71 E	434,285.87	656,841.41	5.24	5,939.71	170.39	
18,656.00	90.80	181.19	12,474.75	6,031.40 S	605.50 E	434,191.90	656,839.20	1.83	6,033.68	-10.39	
18,750.00	89.32	180.56	12,474.65	6,125.38 S	604.06 E	434,097.92	656,837.76	1.71	6,127.66	-156.94	
18,845.00	87.25	178.65	12,477.50	6,220.33 S	604.72 E	434,002.97	656,838.42	2.96	6,222.60	-137.34	
18,939.00	86.66	177.78	12,482.49	6,314.15 S	607.64 E	433,909.15	656,841.34	1.12	6,316.43	-124.20	
19,033.00	88.49	179.16	12,486.47	6,408.02 S	610.15 E	433,815.28	656,843.85	2.44	6,410.32	37.03	
19,128.00	89.23	177.57	12,488.36	6,502.96 S	612.86 E	433,720.34	656,846.56	1.85	6,505.27	-65.06	
19,222.00	90.80	176.90	12,488.33	6,596.85 S	617.39 E	433,626.45	656,851.09	1.82	6,599.17	-23.11	
19,316.00	90.77	176.47	12,487.04	6,690.68 S	622.83 E	433,532.62	656,856.53	0.46	6,693.03	-93.99	
19,411.00	92.32	178.02	12,484.48	6,785.53 S	627.39 E	433,437.77	656,861.09	2.31	6,787.89	44.97	

HALLIBURTON**Design Report for Poker Lake Unit 13 DTD 128H - ST02**

Measured Depth (usft)	Inclination (°)	Grid Azimuth (°)	Vertical Depth (usft)	Local Coordinates		Map Coordinates		Dogleg Rate (°/100usft)	Vertical Section (usft)	Toolface Angle (°)	Comments
				Northing (usft)	Easting (usft)	Northing (usft)	Easting (usft)				
19,505.00	86.97	178.45	12,485.07	6,879.45 S	630.29 E	433,343.85	656,863.99	5.71	6,881.82	175.40	
19,599.00	88.70	179.00	12,488.62	6,973.36 S	632.38 E	433,249.94	656,866.08	1.93	6,975.73	17.64	
19,694.00	89.42	178.93	12,490.17	7,068.33 S	634.09 E	433,154.97	656,867.79	0.76	7,070.71	-5.55	
19,788.00	89.79	178.84	12,490.82	7,162.31 S	635.92 E	433,060.99	656,869.62	0.41	7,164.70	-13.67	
19,882.00	91.92	180.13	12,489.42	7,256.29 S	636.77 E	432,967.01	656,870.47	2.65	7,258.68	31.19	
19,976.00	94.05	179.10	12,484.53	7,350.15 S	637.40 E	432,873.15	656,871.10	2.52	7,352.54	-25.75	
20,071.00	94.39	178.02	12,477.53	7,444.86 S	639.78 E	432,778.44	656,873.48	1.19	7,447.26	-72.44	
20,165.00	94.05	179.55	12,470.62	7,538.58 S	641.76 E	432,684.72	656,875.46	1.66	7,540.99	102.50	
20,276.00	91.51	178.49	12,465.23	7,649.43 S	643.66 E	432,573.87	656,877.36	2.48	7,651.84	-157.34	
20,370.00	91.39	178.17	12,462.85	7,743.36 S	646.40 E	432,479.94	656,880.10	0.36	7,745.78	-110.56	
20,465.00	86.05	177.81	12,464.98	7,838.24 S	649.73 E	432,385.06	656,883.43	5.63	7,840.68	-176.15	
20,559.00	91.51	179.72	12,466.98	7,932.16 S	651.75 E	432,291.14	656,885.45	6.15	7,934.60	19.31	
20,654.00	88.98	181.19	12,466.57	8,027.14 S	651.00 E	432,196.16	656,884.70	3.08	8,029.58	149.84	
20,748.00	89.66	181.20	12,467.69	8,121.11 S	649.04 E	432,102.19	656,882.74	0.72	8,123.55	0.84	
20,843.00	88.30	179.88	12,469.38	8,216.09 S	648.14 E	432,007.21	656,881.84	1.99	8,218.52	-135.87	
20,937.00	90.34	182.23	12,470.49	8,310.06 S	646.41 E	431,913.24	656,880.11	3.31	8,312.48	49.06	
21,032.00	88.06	181.81	12,471.82	8,404.98 S	643.06 E	431,818.32	656,876.76	2.44	8,407.39	-169.57	
21,127.00	90.09	181.66	12,473.35	8,499.92 S	640.19 E	431,723.38	656,873.89	2.14	8,502.32	-4.23	
21,221.00	91.70	181.82	12,471.88	8,593.86 S	637.33 E	431,629.44	656,871.03	1.72	8,596.25	5.67	
21,316.00	90.46	179.71	12,470.09	8,688.83 S	636.07 E	431,534.47	656,869.77	2.58	8,691.21	-120.42	
21,410.00	90.49	178.25	12,469.31	8,782.81 S	637.74 E	431,440.49	656,871.44	1.55	8,785.19	-88.82	
21,504.00	89.79	177.91	12,469.08	8,876.76 S	640.89 E	431,346.54	656,874.59	0.83	8,879.15	-154.09	
21,598.00	91.15	178.95	12,468.31	8,970.71 S	643.47 E	431,252.59	656,877.17	1.82	8,973.12	37.40	
21,693.00	91.61	179.99	12,466.03	9,065.68 S	644.34 E	431,157.62	656,878.04	1.20	9,068.09	66.12	
21,787.00	90.06	178.82	12,464.66	9,159.66 S	645.32 E	431,063.64	656,879.02	2.07	9,162.07	-142.95	
21,882.00	90.34	177.59	12,464.32	9,254.61 S	648.30 E	430,968.69	656,882.00	1.33	9,257.03	-77.17	
21,976.00	91.02	176.90	12,463.21	9,348.50 S	652.81 E	430,874.80	656,886.51	1.03	9,350.93	-45.41	
22,071.00	91.27	178.11	12,461.31	9,443.38 S	656.95 E	430,779.92	656,890.65	1.30	9,445.84	78.31	
22,165.00	90.22	178.13	12,460.09	9,537.32 S	660.03 E	430,685.98	656,893.73	1.12	9,539.79	178.91	
22,259.00	89.20	177.83	12,460.56	9,631.26 S	663.34 E	430,592.04	656,897.04	1.13	9,633.74	-163.61	
22,354.00	89.88	177.22	12,461.33	9,726.17 S	667.45 E	430,497.13	656,901.15	0.96	9,728.66	-41.90	
22,419.00	90.35	176.90	12,461.20	9,791.09 S	670.78 E	430,432.21	656,904.48	0.88	9,793.59	-34.65	LTP @ 22419MD (330.01' FSL, 296.37' FEL of Sec. 25)
22,448.00	90.56	176.75	12,460.97	9,820.04 S	672.39 E	430,403.26	656,906.09	0.88	9,822.55	-34.65	
22,475.00	90.65	176.63	12,460.68	9,846.99 S	673.95 E	430,376.31	656,907.65	0.56	9,849.51	-53.13	Last ST02 MWD Survey @ 22475MD
22,520.00	90.65	176.63	12,460.17	9,891.91 S	676.59 E	430,331.39	656,910.29	0.00	9,894.44	0.00	ST02 Proj to TD @ 22520MD (229.18' FSL, 290.97' FEL of Sec. 25)

XTO Energy Inc.
Eddy County, NM (NAD27)

HALLIBURTON

Design Report for Poker Lake Unit 13 DTD 128H - ST02

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
200.00	199.98	0.99	2.18	First MWD survey @ 200'MD
12,472.00	12,347.59	113.82	539.15	Hardline Cross @ 12472'MD (330.30' FNL, 389.20' FEL of Sec. 24)
16,652.00	12,466.02	-4,030.52	602.35	First ST01 MWD Survey @ 16652'MD
17,432.00	12,479.09	-4,809.22	571.16	First ST02 MWD Survey @ 14432'MD
17,460.00	12,478.95	-4,837.20	572.13	Sec. Crossing @ 17460'MD (0.27' FNL, 375.37' FEL of Sec. 25)
22,419.00	12,461.20	-9,791.09	670.78	LTP @ 22419'MD (330.01' FSL, 296.37' FEL of Sec. 25)
22,475.00	12,460.68	-9,846.99	673.95	Last ST02 MWD Survey @ 22475'MD
22,520.00	12,460.17	-9,891.91	676.59	ST02 Proj to TD @ 22520'MD (229.18' FSL, 290.97' FEL of Sec. 25)

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	+N/-S (usft)	+E/-W (usft)	Start TVD (usft)
User	No Target (Freehand)	179.78	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
200.00	11,980.00	MWD Surveys (Uncorrected)	3_MWD
12,027.00	16,579.00	MWD Surveys (Corrected)	3_MWD+IFR1+MS
16,652.00	17,406.00	ST01 MWD Surveys (Corrected)	3_MWD+IFR1+MS
17,432.00	22,475.00	ST02 MWD Surveys (Corrected)	3_MWD+IFR1+MS
22,520.00	22,520.00	ST02 Projection to TD	3_Blind

XTO Energy Inc.
Eddy County, NM (NAD27)

HALLIBURTON

Design Report for Poker Lake Unit 13 DTD 128H - ST02

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
128H BHL (200' FSL - 330' FEL) ()	0.00	0.00	0.00	-9,921.10	637.80	430,302.20	656,871.50	32.18200144	-103.82628634
- actual wellpath misses target center by 9941.58usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
128H FTP (330' FNL - 330' FEL) ()	0.00	0.00	0.00	114.30	598.40	440,337.60	656,832.10	32.20958826	-103.82626073
- actual wellpath misses target center by 609.26usft at 7.08usft MD (7.08 TVD, 0.00 N, 0.00 E)									
- Point									
128H LTP (330' FSL - 330' FEL) ()	0.00	0.00	0.00	-9,791.10	637.30	430,432.20	656,871.00	32.18235881	-103.82628597
- actual wellpath misses target center by 9811.82usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									

Directional Difficulty Index

Average Dogleg over Survey:	1.59 °/100usft	Maximum Dogleg over Survey:	16.43 °/100usft at 12,687.00 usft
Net Tortousity applicable to Plans:	0.71 °/100usft	Directional Difficulty Index:	6.852

Audit Info

HALLIBURTON

North Reference Sheet for Poker Lake Unit 13 DTD Pad (Grid) - Poker Lake Unit 13 DTD 128H - ST02

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to RKB (H&P 467) 27' + GL(3476') @ 3503.00usft. Northing and Easting are relative to Poker Lake Unit 13 DTD 128H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.33333333°, Longitude Origin:0.00000000°, Latitude Origin:0.00000000°

False Easting: 500,000.00usft, False Northing: 0.00usft, Scale Reduction: 0.99993705

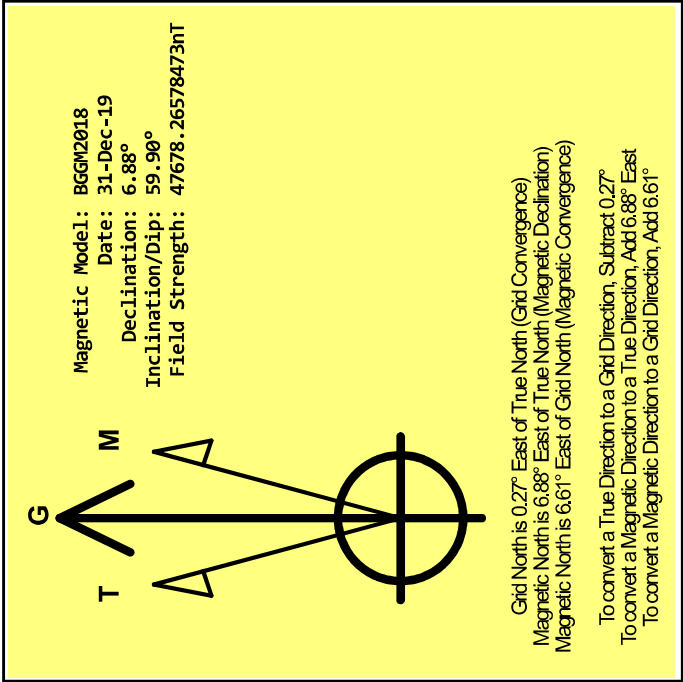
Grid Coordinates of Well: 440,223.30 usft N, 656,233.70 usft E

Geographical Coordinates of Well : 32.20928181, -103.82819716

Grid Convergence at Surface is: 0.27°

Based upon Minimum Curvature type calculations, at a Measured Depth of 22,520.00usft the Bottom Hole Displacement is 9,915.02usft in the Direction of 176.09° (Grid).

Magnetic Convergence at surface is: -6.61° (31 December 2019, , BGGM2018)



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 13 DTD		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								6. Well Number: 128H		
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:	B	24	24S	30E		442	North	929	East	Eddy
BH:	P	25	24S	30E		229	South	291	East	Eddy
13. Date Spudded 12/26/2019	14. Date T.D. Reached 2/19/2020		15. Date Rig Released 2/23/2020		16. Date Completed (Ready to Produce) 6/19/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3477' GL		
18. Total Measured Depth of Well 22,520			19. Plug Back Measured Depth 22,051		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,800 - 21,905 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
16.0"		75.0		762'		18 1/2"		660		
11 3/4"		54.0		4,117		14 3/4"		1300		
8 5/8"		32.4		11,743'		10 5/8"		2730		
5 1/2"		23.0		22,054'		7 7/8"		2850		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
					2 7/8"	11,851	11,836			
26. Perforation record (interval, size, and number)					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
12,800 - 21,905 2spf, 1104 Total Shots 46 stages					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					12,800 - 21,905		476,599 bbl fluid + 22,966,272 lbs proppant			
28. PRODUCTION										
Date First Production 6/20/21		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>)				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 6/24/21	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 1003	Gas - MCF 8912	Water - Bbl. 6020	Gas - Oil Ratio 8885			
Flow Tubing Press. 1993	Casing Pressure 1908	Calculated 24-Hour Rate	Oil - Bbl. 1003	Gas - MCF 8912	Water - Bbl. 6020	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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										
Signature <i>Cassie Evans</i>			Printed Name Cassie Evans		Title Regulatory Analyst			Date 08/13/2021		
E-mail Address cassie.evans@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 930'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4043'	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 4240'	T. Morrison	
T. Drinkard	T. Bone Springs 8109'	T. Todilto	
T. Abo	T. Rustler 568'	T. Entrada	
T. Wolfcamp 11547'	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

District I

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

District II

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

District III

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

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 43419

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 43419
	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 43419

CONDITIONS

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	Action Number: 43419
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	10/4/2021