

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

NMOCD-REC'D: 9/09/2020

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 30-015-45859	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 325339	⁵ Property Name POKER LAKE UNIT 25 BD	⁶ Well Number 701H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,343'

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
E	25	25 S	30 E		2,595	NORTH	772	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	25 S	30 E		98	SOUTH	1,183	WEST	EDDY

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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.

	16 GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 400,967.5 X= 693,850.7 LAT.= 32.101381°N LONG.= 103.840796°W KICK OFF POINT NAD 83 NME Y= 401,041.3 X= 694,125.0 LAT.=32.101581°N LONG.=103.839909°W FIRST TAKE POINT NAD 83 NME Y= 400,476.6 X= 694,216.8 LAT.=32.100027°N LONG.=103.839621°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 400,845.0 N, X= 653,224.3 E B - Y= 400,838.4 N, X= 651,892.9 E C - Y= 398,185.5 N, X= 653,217.9 E D - Y= 398,177.1 N, X= 651,887.1 E E - Y= 395,525.4 N, X= 653,229.4 E F - Y= 395,514.7 N, X= 651,898.9 E G - Y= 392,863.6 N, X= 653,241.1 E H - Y= 392,853.4 N, X= 651,911.2 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 400,902.9 N, X= 694,409.7 E B - Y= 400,896.3 N, X= 693,078.2 E C - Y= 398,243.4 N, X= 694,403.4 E D - Y= 398,235.0 N, X= 693,072.5 E E - Y= 395,583.2 N, X= 694,415.0 E F - Y= 395,572.5 N, X= 693,084.4 E G - Y= 392,921.4 N, X= 694,426.7 E H - Y= 392,911.2 N, X= 693,096.8 E LAST TAKE POINT NAD 83 NME Y= 393,256.2 X= 694,272.0 LAT.= 32.080179°N LONG.= 103.839550°W BOTTOM HOLE LOCATION NAD 83 NME Y= 393,018.5 X= 694,279.3 LAT.= 32.079525°N LONG.= 103.839530°W	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Cheryl Rowell</i> 6/24/20 Signature Date Cheryl Rowell Printed Name cheryl_rowell@xtoenergy.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. 06-24-2020 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number	NEW MEXICO 23786 PROFESSIONAL SURVEYOR
	RR	2018010043
	P:\PROJECTS\2018\2018010043-XTO-POKER_LAKE_UNIT_25_BD_122H(701H)-EDDY\DWG\2018010043-XTO-POKER_LAKE_UNIT_25_BD_701H_AS-DRILL.dwg	

Intent ☐ As Drilled ☒

API # 30-015-45859								
Operator Name: XTO PERMIAN OPERATING LLC			Property Name: POKER LAKE UNIT 25 BD			Well Number 701H		

Kick Off Point (KOP)

UL E	Section 25	Township 25S	Range 30E	Lot	Feet 2523	From N/S FNL	Feet 1047	From E/W FWL	County EDDY
Latitude 32.101581					Longitude 103.839909				NAD 83

First Take Point (FTP)

UL L	Section 25	Township 25S	Range 30E	Lot	Feet 2234	From N/S FSL	Feet 1140	From E/W FWL	County EDDY
Latitude 32.100027					Longitude 103.839621				NAD 83

Last Take Point (LTP)

UL M	Section 36	Township 25S	Range 30E	Lot	Feet 336	From N/S FSL	Feet 1177	From E/W FWL	County EDDY
Latitude 32.080179					Longitude 103.839550				NAD 83

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

Is this well an infill well? ☐

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

API # 30-015-46242								
Operator Name: XTO PERMIAN OPERATING LLC			Property Name: POKER LAKE UNIT 25 BD			Well Number 125H		

KZ 06/29/2018



Crude Oilfield Solutions
11767 Katy Fwy Ste. 420
Houston, TX 77079
P: 832-338-9496

To: New Mexico Energy, Minerals and
Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505 (505) 476-3220

Re: Certified Survey Report / **POKER LAKE UNIT 25 BD 701H/ 30-015-45859**

Via: Electronic Filing

Crude Oilfield Solutions, respectfully submits for filing the
required directional certified survey performed on the referenced well by
Crude Oilfield Solutions. Other information required by your office is as follows:

<u>Name & Title of Supervisor</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Nicholas Flores MWD Coordinator	209' to 19394'	8-14-19 TO 9-20-19	MWD

The directional MWD surveys performed by Crude Oilfield Solutions are attached.

Please file this certified survey report. If there are any questions or additional data
required, please let me know at your earliest opportunity.

Thank You

Sincerely,

Nicholas A. Flores

Nicholas Flores
MWD Manager

Survey Report

Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL
Project:	Eddy County, NM (NMEZ) NAD27 Grid	TVD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Site:	Poker Lake Unit 25 BD	MD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Well:	PLU 25 BD 701H	North Reference:	Grid
Wellbore:	701H	Survey Calculation Method:	Minimum Curvature
Design:	701H AsDrilled	Database:	CRUDE_EDM

Project	Eddy County, NM (NMEZ) NAD27 Grid		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Poker Lake Unit 25 BD			
Site Position:		Northing:	400,979.50 usft	Latitude: 32° 6' 5.217 N
From: Map		Easting:	652,664.90 usft	Longitude: 103° 50' 25.140 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence: 0.26 °

Well	PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL			
Well Position	+N/-S	0.00 usft	Northing:	400,909.60 usft
	+E/-W	0.00 usft	Easting:	652,665.30 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft
			Ground Level:	3,344.00 usft

Wellbore	701H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	06/23/19	6.79	59.37	47,775.00000000

Design	701H AsDrilled			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	176.97

Survey Program	Date	09/26/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
112.00	11,011.00	Survey #1 (701H)	MWD	OWSG MWD - Standard
11,064.00	19,350.00	Survey #2 (701H)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction
19,394.00	19,394.00	Survey #3 (701H)	Projection	Projection

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PLU 25 BD 701H_RSN 122H SHL										
112.00	0.00	0.00	112.00	0.00	0.00	0.00	0.00	0.00	0.00	
209.00	0.79	252.51	209.00	-0.20	-0.64	0.17	0.81	0.81	0.00	
300.00	0.92	263.05	299.99	-0.48	-1.96	0.37	0.22	0.14	11.58	
389.00	1.01	275.71	388.97	-0.49	-3.45	0.30	0.26	0.10	14.22	
478.00	1.01	267.71	477.96	-0.44	-5.02	0.17	0.16	0.00	-8.99	
568.00	1.58	248.29	567.94	-0.93	-6.96	0.56	0.79	0.63	-21.58	

Survey Report

Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL
Project:	Eddy County, NM (NMEZ) NAD27 Grid	TVD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Site:	Poker Lake Unit 25 BD	MD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Well:	PLU 25 BD 701H	North Reference:	Grid
Wellbore:	701H	Survey Calculation Method:	Minimum Curvature
Design:	701H AsDrilled	Database:	CRUDE_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
657.00	1.36	259.10	656.91	-1.58	-9.14	1.10	0.40	-0.25	12.15
754.00	1.19	259.19	753.88	-1.99	-11.26	1.39	0.18	-0.18	0.09
849.00	0.97	254.71	848.87	-2.39	-13.00	1.70	0.25	-0.23	-4.72
944.00	0.70	258.31	943.86	-2.72	-14.35	1.96	0.29	-0.28	3.79
1,016.00	0.09	304.54	1,015.86	-2.77	-14.82	1.99	0.89	-0.85	64.21
1,135.00	0.22	7.82	1,134.85	-2.49	-14.87	1.71	0.17	0.11	53.18
1,230.00	0.62	1.67	1,229.85	-1.80	-14.83	1.01	0.42	0.42	-6.47
1,325.00	0.97	10.02	1,324.84	-0.49	-14.67	-0.28	0.39	0.37	8.79
1,420.00	1.36	11.51	1,419.82	1.40	-14.31	-2.16	0.41	0.41	1.57
1,515.00	1.58	30.76	1,514.79	3.63	-13.41	-4.34	0.57	0.23	20.26
1,610.00	1.93	21.44	1,609.75	6.25	-12.16	-6.88	0.47	0.37	-9.81
1,704.00	1.89	18.10	1,703.70	9.19	-11.10	-9.77	0.13	-0.04	-3.55
1,798.00	2.20	22.76	1,797.64	12.33	-9.92	-12.84	0.37	0.33	4.96
1,892.00	1.89	45.17	1,891.58	15.09	-8.12	-15.49	0.91	-0.33	23.84
1,986.00	1.93	53.35	1,985.53	17.12	-5.75	-17.40	0.29	0.04	8.70
2,080.00	2.11	65.04	2,079.47	18.80	-2.92	-18.93	0.48	0.19	12.44
2,173.00	2.15	66.44	2,172.40	20.22	0.24	-20.18	0.07	0.04	1.51
2,267.00	2.29	63.81	2,266.33	21.75	3.54	-21.54	0.18	0.15	-2.80
2,361.00	2.46	59.85	2,360.25	23.60	6.97	-23.19	0.25	0.18	-4.21
2,455.00	2.64	58.18	2,454.16	25.75	10.55	-25.16	0.21	0.19	-1.78
2,549.00	2.90	57.39	2,548.05	28.17	14.39	-27.37	0.28	0.28	-0.84
2,643.00	2.86	81.38	2,641.93	29.81	18.72	-28.78	1.27	-0.04	25.52
2,736.00	3.25	87.36	2,734.80	30.27	23.64	-28.98	0.54	0.42	6.43
2,830.00	3.30	87.19	2,828.65	30.53	29.01	-28.96	0.05	0.05	-0.18
2,924.00	3.69	86.66	2,922.47	30.84	34.73	-28.96	0.42	0.41	-0.56
3,018.00	3.82	84.11	3,016.27	31.34	40.86	-29.14	0.23	0.14	-2.71
3,111.00	4.00	80.95	3,109.05	32.16	47.15	-29.63	0.30	0.19	-3.40
3,206.00	4.40	80.86	3,203.80	33.26	54.02	-30.37	0.42	0.42	-0.09
3,300.00	4.04	78.05	3,297.54	34.52	60.82	-31.26	0.44	-0.38	-2.99
3,393.00	3.74	54.49	3,390.34	36.96	66.49	-33.40	1.74	-0.32	-25.33
3,487.00	4.09	81.38	3,484.12	39.25	72.30	-35.37	1.97	0.37	28.61
3,581.00	4.26	80.59	3,577.87	40.32	79.06	-36.09	0.19	0.18	-0.84
3,674.00	4.66	84.02	3,670.59	41.28	86.23	-36.67	0.52	0.43	3.69
3,768.00	4.18	92.81	3,764.31	41.51	93.45	-36.52	0.88	-0.51	9.35
3,862.00	4.26	95.27	3,858.06	41.02	100.34	-35.66	0.21	0.09	2.62
3,930.00	4.31	94.04	3,925.87	40.61	105.41	-34.99	0.15	0.07	-1.81
4,047.00	4.13	94.66	4,042.55	39.96	113.99	-33.88	0.16	-0.15	0.53
4,141.00	4.22	94.39	4,136.30	39.42	120.81	-32.98	0.10	0.10	-0.29
4,235.00	5.41	93.87	4,229.97	38.85	128.68	-32.00	1.27	1.27	-0.55
4,329.00	6.99	94.39	4,323.42	38.12	138.81	-30.73	1.68	1.68	0.55
4,423.00	7.38	96.59	4,416.68	36.98	150.51	-28.99	0.51	0.41	2.34
4,517.00	7.34	87.10	4,509.91	36.60	162.50	-27.96	1.29	-0.04	-10.10
4,612.00	7.08	84.72	4,604.16	37.44	174.39	-28.18	0.42	-0.27	-2.51

Survey Report

Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL
Project:	Eddy County, NM (NMEZ) NAD27 Grid	TVD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Site:	Poker Lake Unit 25 BD	MD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Well:	PLU 25 BD 701H	North Reference:	Grid
Wellbore:	701H	Survey Calculation Method:	Minimum Curvature
Design:	701H AsDrilled	Database:	CRUDE_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,707.00	7.12	83.67	4,698.43	38.63	186.08	-28.75	0.14	0.04	-1.11
4,802.00	7.38	83.58	4,792.67	39.96	197.99	-29.45	0.27	0.27	-0.09
4,896.00	7.08	82.00	4,885.92	41.44	209.73	-30.31	0.38	-0.32	-1.68
4,991.00	6.42	83.58	4,980.26	42.85	220.80	-31.13	0.72	-0.69	1.66
5,085.00	6.29	84.72	5,073.68	43.91	231.15	-31.65	0.19	-0.14	1.21
5,180.00	5.93	85.69	5,168.14	44.76	241.23	-31.96	0.39	-0.38	1.02
5,275.00	6.15	84.64	5,262.62	45.60	251.19	-32.28	0.26	0.23	-1.11
5,369.00	5.01	78.84	5,356.17	46.87	260.23	-33.06	1.35	-1.21	-6.17
5,464.00	3.16	65.39	5,450.93	48.76	266.68	-34.61	2.18	-1.95	-14.16
5,558.00	2.59	62.84	5,544.81	50.81	270.92	-36.44	0.62	-0.61	-2.71
5,652.00	2.51	65.04	5,638.72	52.65	274.68	-38.07	0.13	-0.09	2.34
5,747.00	2.37	64.25	5,733.63	54.38	278.34	-39.61	0.15	-0.15	-0.83
5,841.00	1.32	34.01	5,827.58	56.12	280.69	-41.22	1.49	-1.12	-32.17
5,935.00	1.32	20.92	5,921.56	58.03	281.68	-43.08	0.32	0.00	-13.93
6,029.00	1.32	30.41	6,015.53	59.98	282.62	-44.97	0.23	0.00	10.10
6,123.00	1.05	20.48	6,109.51	61.72	283.47	-46.66	0.36	-0.29	-10.56
6,217.00	1.23	35.59	6,203.49	63.34	284.36	-48.24	0.37	0.19	16.07
6,311.00	1.45	45.17	6,297.47	65.00	285.79	-49.82	0.33	0.23	10.19
6,405.00	1.45	44.73	6,391.44	66.69	287.47	-51.42	0.01	0.00	-0.47
6,500.00	1.49	52.56	6,486.41	68.29	289.29	-52.92	0.22	0.04	8.24
6,594.00	1.14	44.12	6,580.38	69.70	290.92	-54.25	0.42	-0.37	-8.98
6,689.00	0.97	37.09	6,675.37	71.02	292.06	-55.51	0.22	-0.18	-7.40
6,783.00	0.88	51.85	6,769.35	72.11	293.11	-56.53	0.27	-0.10	15.70
6,878.00	0.75	71.01	6,864.34	72.76	294.27	-57.12	0.32	-0.14	20.17
6,972.00	0.92	86.04	6,958.33	73.01	295.60	-57.30	0.29	0.18	15.99
7,067.00	1.05	41.13	7,053.32	73.72	296.94	-57.94	0.80	0.14	-47.27
7,161.00	1.14	29.00	7,147.30	75.19	297.95	-59.35	0.26	0.10	-12.90
7,256.00	1.19	33.40	7,242.29	76.84	298.96	-60.94	0.11	0.05	4.63
7,350.00	0.79	31.20	7,336.27	78.20	299.83	-62.27	0.43	-0.43	-2.34
7,444.00	0.48	34.54	7,430.27	79.08	300.39	-63.11	0.33	-0.33	3.55
7,539.00	0.18	184.57	7,525.26	79.26	300.60	-63.28	0.68	-0.32	157.93
7,633.00	0.31	189.14	7,619.26	78.86	300.55	-62.89	0.14	0.14	4.86
7,728.00	0.79	184.48	7,714.26	77.96	300.46	-61.99	0.51	0.51	-4.91
7,822.00	0.97	205.49	7,808.25	76.59	300.06	-60.64	0.39	0.19	22.35
7,916.00	1.14	205.84	7,902.23	75.03	299.31	-59.13	0.18	0.18	0.37
8,010.00	1.41	202.59	7,996.21	73.12	298.46	-57.26	0.30	0.29	-3.46
8,104.00	1.01	198.54	8,090.19	71.27	297.76	-55.45	0.43	-0.43	-4.31
8,198.00	0.18	248.64	8,184.18	70.43	297.35	-54.63	0.96	-0.88	53.30
8,292.00	0.31	84.90	8,278.18	70.40	297.47	-54.60	0.52	0.14	-174.19
8,386.00	0.70	68.03	8,372.18	70.64	298.26	-54.79	0.44	0.41	-17.95
8,481.00	0.97	86.31	8,467.17	70.91	299.60	-54.99	0.40	0.28	19.24
8,576.00	1.14	111.80	8,562.15	70.61	301.28	-54.60	0.52	0.18	26.83

Survey Report

Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL
Project:	Eddy County, NM (NMEZ) NAD27 Grid	TVD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Site:	Poker Lake Unit 25 BD	MD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Well:	PLU 25 BD 701H	North Reference:	Grid
Wellbore:	701H	Survey Calculation Method:	Minimum Curvature
Design:	701H AsDrilled	Database:	CRUDE_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,671.00	0.75	29.09	8,657.14	70.80	302.46	-54.73	1.35	-0.41	-87.06
8,766.00	0.66	358.06	8,752.14	71.89	302.74	-55.81	0.41	-0.09	-32.66
8,861.00	0.48	256.16	8,847.13	72.34	302.34	-56.28	0.94	-0.19	-107.26
8,956.00	0.79	254.97	8,942.13	72.08	301.32	-56.07	0.33	0.33	-1.25
9,051.00	1.01	230.45	9,037.12	71.37	300.04	-55.43	0.46	0.23	-25.81
9,146.00	0.84	239.06	9,132.10	70.48	298.80	-54.61	0.23	-0.18	9.06
9,241.00	1.27	268.59	9,227.09	70.10	297.15	-54.31	0.72	0.45	31.08
9,336.00	1.27	263.93	9,322.06	69.96	295.05	-54.29	0.11	0.00	-4.91
9,431.00	1.41	266.22	9,417.04	69.77	292.83	-54.21	0.16	0.15	2.41
9,526.00	1.32	281.51	9,512.01	69.91	290.59	-54.47	0.39	-0.09	16.09
9,621.00	1.14	280.90	9,606.99	70.31	288.59	-54.98	0.19	-0.19	-0.64
9,716.00	1.45	265.16	9,701.97	70.39	286.47	-55.17	0.49	0.33	-16.57
9,811.00	0.75	284.15	9,796.95	70.44	284.67	-55.31	0.82	-0.74	19.99
9,906.00	0.26	349.80	9,891.94	70.80	284.03	-55.71	0.72	-0.52	69.11
10,001.00	0.26	229.30	9,986.94	70.88	283.83	-55.79	0.48	0.00	-126.84
10,096.00	0.62	206.80	10,081.94	70.28	283.43	-55.21	0.41	0.38	-23.68
10,191.00	2.37	202.15	10,176.90	68.00	282.46	-52.99	1.85	1.84	-4.89
10,286.00	2.29	224.65	10,271.83	64.83	280.38	-49.93	0.96	-0.08	23.68
10,381.00	1.63	281.07	10,366.78	63.74	277.72	-48.98	2.04	-0.69	59.39
10,476.00	1.49	347.69	10,461.75	65.20	276.13	-50.53	1.81	-0.15	70.13
10,571.00	1.41	0.44	10,556.72	67.58	275.88	-52.92	0.35	-0.08	13.42
10,613.00	1.32	352.62	10,598.71	68.58	275.82	-53.92	0.49	-0.21	-18.62
10,777.00	1.10	346.86	10,762.67	71.98	275.22	-57.35	0.15	-0.13	-3.51
10,872.00	1.03	334.41	10,857.66	73.64	274.64	-59.04	0.25	-0.07	-13.11
10,966.00	0.68	176.52	10,951.65	73.84	274.31	-59.26	1.79	-0.37	-167.97
11,011.00	1.21	36.52	10,996.65	73.96	274.61	-59.36	3.97	1.18	-311.11
11,064.00	2.33	217.74	11,049.64	73.56	274.29	-58.97	6.68	2.11	-337.32
11,109.00	7.16	202.53	11,094.47	70.24	272.65	-55.75	11.00	10.73	-33.80
11,157.00	10.30	162.01	11,141.95	63.39	272.83	-48.90	13.98	6.54	-84.42
11,202.00	16.97	149.91	11,185.67	53.87	277.37	-39.15	16.04	14.82	-26.89
11,250.00	22.19	153.36	11,230.88	39.70	284.95	-24.59	11.13	10.87	7.19
11,295.00	25.68	148.24	11,272.01	23.80	293.90	-8.25	9.02	7.76	-11.38
11,345.00	28.24	155.15	11,316.58	3.85	304.58	12.24	8.08	5.12	13.82
11,391.00	30.89	159.06	11,356.59	-17.06	313.37	33.58	7.12	5.76	8.50
11,416.00	32.36	158.37	11,377.88	-29.27	318.13	46.03	6.06	5.88	-2.76
11,457.00	40.01	161.61	11,410.95	-52.02	326.35	69.17	19.23	18.66	7.90
11,478.00	44.03	163.50	11,426.55	-65.43	330.55	82.79	20.06	19.14	8.98
Wellpath Crosses Unit Line @ Heel									
11,509.00	50.01	165.83	11,447.67	-87.29	336.53	104.94	20.06	19.29	7.53
11,603.00	72.61	177.38	11,492.62	-168.27	347.56	186.38	26.29	24.04	12.29
11,625.00	72.72	177.70	11,499.18	-189.25	348.46	207.38	1.48	0.50	1.45
11,670.00	75.81	177.69	11,511.38	-232.52	350.21	250.69	6.87	6.87	-0.02
11,719.00	79.88	177.49	11,521.70	-280.37	352.22	298.58	8.32	8.31	-0.41

Survey Report

Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL
Project:	Eddy County, NM (NMEZ) NAD27 Grid	TVD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Site:	Poker Lake Unit 25 BD	MD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Well:	PLU 25 BD 701H	North Reference:	Grid
Wellbore:	701H	Survey Calculation Method:	Minimum Curvature
Design:	701H AsDrilled	Database:	CRUDE_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,764.00	80.98	177.14	11,529.18	-324.70	354.30	342.95	2.56	2.44	-0.78
11,813.00	81.24	176.76	11,536.75	-373.04	356.88	391.36	0.93	0.53	-0.78
11,854.00	83.19	175.86	11,542.30	-413.57	359.49	431.98	5.24	4.76	-2.19
Wellpath Crosses FTP									
11,860.27	83.49	175.72	11,543.03	-419.78	359.95	438.20	5.24	4.77	-2.18
PLU 25 BD 701H_RSN 122H FTP_350FNL_161FEL									
11,907.00	85.72	174.71	11,547.42	-466.14	363.83	484.70	5.24	4.77	-2.17
11,917.68	85.99	174.71	11,548.19	-476.75	364.81	495.35	2.51	2.51	0.01
PLU 25 BD 701H_RSN 122H LP (58'Past FTP)									
12,000.00	88.05	174.72	11,552.48	-558.60	372.38	577.49	2.51	2.51	0.01
12,094.00	88.78	174.88	11,555.08	-652.18	380.90	671.38	0.80	0.78	0.17
12,188.00	89.65	175.48	11,556.36	-745.84	388.79	765.33	1.12	0.93	0.64
12,282.00	89.29	179.35	11,557.23	-839.72	393.03	859.30	4.13	-0.38	4.12
12,376.00	88.33	179.14	11,559.19	-933.69	394.27	953.21	1.05	-1.02	-0.22
12,470.00	88.19	179.04	11,562.04	-1,027.64	395.76	1,047.10	0.18	-0.15	-0.11
12,564.00	89.87	178.23	11,563.63	-1,121.59	398.00	1,141.04	1.98	1.79	-0.86
12,657.00	90.52	177.65	11,563.31	-1,214.53	401.34	1,234.03	0.94	0.70	-0.62
12,751.00	93.57	180.31	11,559.96	-1,308.44	403.02	1,327.89	4.30	3.24	2.83
12,845.00	90.88	180.31	11,556.31	-1,402.35	402.51	1,421.65	2.86	-2.86	0.00
12,939.00	91.02	179.89	11,554.75	-1,496.34	402.35	1,515.50	0.47	0.15	-0.45
13,032.00	92.23	179.61	11,552.12	-1,589.30	402.75	1,608.35	1.34	1.30	-0.30
13,127.00	87.49	179.63	11,552.35	-1,684.27	403.38	1,703.22	4.99	-4.99	0.02
13,221.00	86.85	179.62	11,556.99	-1,778.15	404.00	1,797.00	0.68	-0.68	-0.01
13,315.00	89.65	180.60	11,559.86	-1,872.10	403.81	1,890.81	3.16	2.98	1.04
13,409.00	90.43	180.46	11,559.79	-1,966.10	402.95	1,984.63	0.84	0.83	-0.15
13,503.00	90.18	179.25	11,559.29	-2,060.09	403.18	2,078.51	1.31	-0.27	-1.29
13,597.00	90.71	178.72	11,558.56	-2,154.07	404.85	2,172.44	0.80	0.56	-0.56
13,691.00	91.55	178.76	11,556.71	-2,248.03	406.91	2,266.38	0.89	0.89	0.04
13,785.00	89.54	180.79	11,555.81	-2,342.02	407.28	2,360.25	3.04	-2.14	2.16
13,878.00	90.32	179.69	11,555.93	-2,435.01	406.89	2,453.10	1.45	0.84	-1.18
13,972.00	90.57	179.43	11,555.20	-2,529.01	407.62	2,547.00	0.38	0.27	-0.28
14,066.00	90.85	179.84	11,554.03	-2,623.00	408.21	2,640.89	0.53	0.30	0.44
14,161.00	89.93	180.27	11,553.39	-2,718.00	408.12	2,735.75	1.07	-0.97	0.45
14,255.00	89.37	179.99	11,553.96	-2,811.99	407.91	2,829.61	0.67	-0.60	-0.30
14,348.00	89.43	179.41	11,554.93	-2,904.99	408.40	2,922.50	0.63	0.06	-0.62
14,441.00	89.85	178.45	11,555.52	-2,997.97	410.13	3,015.44	1.13	0.45	-1.03
14,536.00	89.01	178.15	11,556.46	-3,092.92	412.95	3,110.41	0.94	-0.88	-0.32
14,630.00	90.43	177.85	11,556.92	-3,186.86	416.23	3,204.39	1.54	1.51	-0.32
14,723.00	90.99	177.76	11,555.77	-3,279.78	419.79	3,297.37	0.61	0.60	-0.10
14,817.00	90.63	179.35	11,554.44	-3,373.74	422.16	3,391.32	1.73	-0.38	1.69
14,912.00	90.29	181.68	11,553.68	-3,468.73	421.31	3,486.13	2.48	-0.36	2.45
15,006.00	91.02	181.79	11,552.60	-3,562.68	418.46	3,579.80	0.79	0.78	0.12
15,100.00	91.95	182.28	11,550.17	-3,656.58	415.13	3,673.40	1.12	0.99	0.52

Survey Report

Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL
Project:	Eddy County, NM (NMEZ) NAD27 Grid	TVD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Site:	Poker Lake Unit 25 BD	MD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Well:	PLU 25 BD 701H	North Reference:	Grid
Wellbore:	701H	Survey Calculation Method:	Minimum Curvature
Design:	701H AsDrilled	Database:	CRUDE_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,194.00	89.65	180.26	11,548.86	-3,750.54	413.05	3,767.12	3.26	-2.45	-2.15
15,287.00	89.48	179.90	11,549.56	-3,843.54	412.92	3,859.98	0.43	-0.18	-0.39
15,381.00	90.66	179.82	11,549.45	-3,937.54	413.15	3,953.86	1.26	1.26	-0.09
15,475.00	91.13	179.47	11,547.98	-4,031.52	413.73	4,047.74	0.62	0.50	-0.37
15,568.00	91.50	179.28	11,545.85	-4,124.49	414.74	4,140.64	0.45	0.40	-0.20
15,661.00	88.64	180.58	11,545.73	-4,217.48	414.86	4,233.50	3.38	-3.08	1.40
15,755.00	89.48	181.38	11,547.27	-4,311.45	413.25	4,327.26	1.23	0.89	0.85
15,849.00	88.87	180.88	11,548.63	-4,405.42	411.39	4,421.00	0.84	-0.65	-0.53
15,942.00	88.14	180.29	11,551.05	-4,498.39	410.44	4,513.78	1.01	-0.78	-0.63
16,036.00	93.04	182.40	11,550.09	-4,592.32	408.24	4,607.47	5.68	5.21	2.24
16,129.00	92.73	181.53	11,545.40	-4,685.15	405.06	4,700.00	0.99	-0.33	-0.94
16,223.00	89.71	180.80	11,543.40	-4,779.10	403.15	4,793.72	3.31	-3.21	-0.78
16,317.00	90.01	180.44	11,543.63	-4,873.09	402.13	4,887.52	0.50	0.32	-0.38
16,411.00	89.09	179.71	11,544.37	-4,967.08	402.00	4,981.38	1.25	-0.98	-0.78
16,505.00	87.83	178.91	11,546.90	-5,061.04	403.14	5,075.27	1.59	-1.34	-0.85
16,599.00	89.37	179.54	11,549.19	-5,155.00	404.41	5,169.16	1.77	1.64	0.67
16,693.00	88.53	178.70	11,550.92	-5,248.97	405.85	5,263.08	1.26	-0.89	-0.89
16,786.00	90.74	179.91	11,551.51	-5,341.96	406.98	5,355.99	2.71	2.38	1.30
16,880.00	91.19	180.35	11,549.93	-5,435.94	406.77	5,449.84	0.67	0.48	0.47
16,973.00	91.83	181.39	11,547.48	-5,528.90	405.35	5,542.59	1.31	0.69	1.12
17,067.00	91.81	181.56	11,544.49	-5,622.82	402.94	5,636.25	0.18	-0.02	0.18
17,161.00	90.94	181.48	11,542.23	-5,716.76	400.44	5,729.93	0.93	-0.93	-0.09
17,254.00	91.44	179.51	11,540.30	-5,809.73	399.64	5,822.73	2.18	0.54	-2.12
17,348.00	89.15	178.68	11,539.82	-5,903.71	401.12	5,916.65	2.59	-2.44	-0.88
17,442.00	88.08	178.46	11,542.09	-5,997.65	403.47	6,010.59	1.16	-1.14	-0.23
17,536.00	89.65	180.08	11,543.95	-6,091.62	404.67	6,104.49	2.40	1.67	1.72
17,630.00	89.65	179.68	11,544.53	-6,185.62	404.86	6,198.37	0.43	0.00	-0.43
17,723.00	89.96	180.21	11,544.84	-6,278.62	404.95	6,291.24	0.66	0.33	0.57
17,817.00	91.33	181.35	11,543.79	-6,372.60	403.67	6,385.02	1.90	1.46	1.21
17,910.00	89.82	180.15	11,542.85	-6,465.58	402.46	6,477.81	2.07	-1.62	-1.29
18,004.00	90.13	180.50	11,542.89	-6,559.58	401.92	6,571.65	0.50	0.33	0.37
18,098.00	88.75	180.07	11,543.81	-6,653.57	401.45	6,665.49	1.54	-1.47	-0.46
18,192.00	90.07	179.34	11,544.78	-6,747.56	401.94	6,759.37	1.60	1.40	-0.78
18,286.00	89.65	179.01	11,545.01	-6,841.55	403.29	6,853.30	0.57	-0.45	-0.35
18,380.00	91.67	178.78	11,543.93	-6,935.52	405.10	6,947.24	2.16	2.15	-0.24
18,474.00	92.12	178.71	11,540.82	-7,029.45	407.16	7,041.14	0.48	0.48	-0.07
18,568.00	91.53	179.27	11,537.82	-7,123.39	408.82	7,135.04	0.87	-0.63	0.60
18,661.00	90.46	178.61	11,536.21	-7,216.35	410.54	7,227.96	1.35	-1.15	-0.71
18,755.00	91.61	178.87	11,534.51	-7,310.31	412.61	7,321.90	1.25	1.22	0.28
18,849.00	91.86	179.31	11,531.67	-7,404.26	414.10	7,415.80	0.54	0.27	0.47
18,943.00	89.62	178.46	11,530.45	-7,498.23	415.93	7,509.73	2.55	-2.38	-0.90
19,036.00	89.43	178.52	11,531.22	-7,591.19	418.38	7,602.69	0.21	-0.20	0.06

Survey Report

Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL
Project:	Eddy County, NM (NMEZ) NAD27 Grid	TVD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Site:	Poker Lake Unit 25 BD	MD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Well:	PLU 25 BD 701H	North Reference:	Grid
Wellbore:	701H	Survey Calculation Method:	Minimum Curvature
Design:	701H AsDrilled	Database:	CRUDE_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
19,130.00	88.78	178.96	11,532.69	-7,685.16	420.44	7,696.64	0.83	-0.69	0.47
19,162.25	88.73	178.75	11,533.39	-7,717.39	421.09	7,728.86	0.67	-0.15	-0.65
PLU 25 BD 701H_RSN 122H LTP_330FSL_160FEL									
19,163.00	88.73	178.75	11,533.41	-7,718.14	421.10	7,729.61	0.67	-0.15	-0.65
Wellpath Crosses LTP									
19,224.00	88.64	178.35	11,534.81	-7,779.11	422.65	7,790.57	0.67	-0.15	-0.65
19,292.14	88.27	177.95	11,536.64	-7,847.19	424.85	7,858.67	0.80	-0.54	-0.59
PLU 25 BD 701H_RSN 122H PBHL_200FSL_160FEL									
19,317.00	88.14	177.80	11,537.42	-7,872.02	425.77	7,883.52	0.80	-0.54	-0.59
19,350.00	88.87	178.08	11,538.28	-7,904.98	426.96	7,916.50	2.37	2.21	0.85
19,394.00	88.87	178.08	11,539.15	-7,948.95	428.43	7,960.48	0.00	0.00	0.00
TD @ 98°FSL,147FEL									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PLU 25 BD 701H_RSN - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	400,909.60	652,665.30	32° 6' 4.525 N	103° 50' 25.139 W
PLU 25 BD 701H_RSN - actual wellpath hits target center - Point	0.00	0.00	11,539.15	-7,948.95	428.43	392,960.65	653,093.73	32° 4' 45.841 N	103° 50' 20.581 W
PLU 25 BD 701H_RSN - actual wellpath misses target center by 15.19usft at 19292.14usft MD (11536.64 TVD, -7847.19 N, 424.85 E) - Rectangle (sides W100.00 H7,433.00 D0.00)	0.00	0.00	11,548.12	-7,847.20	414.90	393,062.40	653,080.20	32° 4' 46.849 N	103° 50' 20.733 W
PLU 25 BD 701H_RSN - actual wellpath misses target center by 16.42usft at 19162.25usft MD (11533.39 TVD, -7717.39 N, 421.09 E) - Point	0.00	0.00	11,548.34	-7,717.20	414.30	393,192.40	653,079.60	32° 4' 48.135 N	103° 50' 20.733 W
PLU 25 BD 701H_RSN - actual wellpath misses target center by 36.20usft at 11917.68usft MD (11548.19 TVD, -476.75 N, 364.81 E) - Point	0.00	0.00	11,561.00	-472.94	398.45	400,436.66	653,063.75	32° 5' 59.827 N	103° 50' 20.532 W
PLU 25 BD 701H_RSN - actual wellpath misses target center by 41.19usft at 11860.27usft MD (11543.03 TVD, -419.78 N, 359.95 E) - Point	0.00	0.00	11,561.00	-415.00	396.70	400,494.60	653,062.00	32° 6' 0.400 N	103° 50' 20.549 W

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,478.00	11,426.55	-65.43	330.55	Wellpath Crosses Unit Line @ Heel
11,854.00	11,542.30	-413.57	359.49	Wellpath Crosses FTP
19,163.00	11,533.41	-7,718.14	421.10	Wellpath Crosses LTP
19,394.00	11,539.15	-7,948.95	428.43	TD @ 98°FSL,147FEL

Survey Report

Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 25 BD 701H - Slot PLU 25 BD 701H_RSN 122H SHL
Project:	Eddy County, NM (NMEZ) NAD27 Grid	TVD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Site:	Poker Lake Unit 25 BD	MD Reference:	3344+22 @ 3366.00usft (122-162 AK22)
Well:	PLU 25 BD 701H	North Reference:	Grid
Wellbore:	701H	Survey Calculation Method:	Minimum Curvature
Design:	701H AsDrilled	Database:	CRUDE_EDM

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------