

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
		1. WELL API NO. 30-015-47448
		2. Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN
		3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)	5. Lease Name or Unit Agreement Name POKER LAKE UNIT 21 LINCOLN FEE SWD 6. Well Number: 001
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7. Type of Completion:
 NEW WELL WORKOVER DEEPENING PLUGBACK DIFFERENT RESERVOIR OTHER **Injection**

8. Name of Operator XTO PERMIAN OPERATING LLC.	9. OGRID 373075
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10. Address of Operator 6401 HOLIDAY HILL RD BLDG #5, MIDLAND TX 79707	11. Pool name or Wildcat SWD; DEVONIAN
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12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	21	25S	30E		370	South	1355	East	Eddy
BH:										

13. Date Spudded 9/22/2019	14. Date T.D. Reached 11/21/20	15. Date Rig Released 11/27/20	16. Date Completed (Ready to Produce) 3/21/2021	17. Elevations (DF and RKB, RT, GR, etc.) 3253
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18. Total Measured Depth of Well 17,495	19. Plug Back Measured Depth 17,495	20. Was Directional Survey Made? Yes	21. Type Electric and Other Logs Run Resistivity
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22. Producing Interval(s), of this completion - Top, Bottom, Name
6" open hole 16,460-17,495 Devonian Disposal

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
18.625	87.5	1105	24	2060	
13.375	68	3764	17.5	2845	
9.625	53.5	11271	12.25	2560	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
7	10,807	16,460			5.5/4.5	16,355	16,355

26. Perforation record (interval, size, and number) No perfs- open hole	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 16,460-17,495 acidize with 25,872 gals 20% NEFE HCL
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28. PRODUCTION

Date First Production		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>)	

29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) N/A	30. Test Witnessed By
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31. List Attachments
C-102 , Directional Survey, Resistivity Log

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.	33. Rig Release Date:
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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 Cassie Evans Printed Name Cassie Evans Title Regulatory Analyst Date 09/12/21

E-mail Address cassie.evans@exxonmobil.com

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 1612	T. Strawn 13391	T. Kirtland	T. Penn. "B"
B. Salt 3629	T. Atoka 13608	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss 15908	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian 16429	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 3816	T. Morrison	
T. Drinkard	T. Bone Springs 7631	T. Todilto	
T. Abo	T. Rustler 1295	T. Entrada	
T. Wolfcamp 10908	T. Morrow 14309	T. Wingate	
T. Penn	T. Fusselman 17136	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	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 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 30-015-47448		² Pool Code 97869		³ Pool Name SWD; DEVONIAN	
⁴ Property Code 329341		⁵ Property Name POKER LAKE UNIT 21 LINCOLN FED SWD			⁶ Well Number 001
⁷ OGRID No. 373075		⁸ Operator Name XTO PERMIAN OPERATING, LLC.			⁹ Elevation 3,253'

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
O	21	25 S	30 E		370	SOUTH	1,355	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

¹² Dedicated Acres	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.

<p>¹⁶</p> <p> GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 403,835.3 X= 681,107.4 LAT.= 32.109418°N LONG.= 103.881910°W </p> <p> CORNER COORDINATES TABLE NAD 83 NME A - Y= 406,116.4 N, X= 679,777.2 E B - Y= 406,142.1 N, X= 682,445.4 E C - Y= 403,457.2 N, X= 679,791.0 E D - Y= 403,473.8 N, X= 682,465.2 E </p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>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></p> <p>Cassie Evans 09/12/21 Signature Date</p> <p>Cassie Evans Printed Name</p> <p>cassie.evans@exxonmobil.com E-mail Address</p>



XTO ENERGY INC.

EDDY COUNTY, NM
PLU LINCOLN 21 FED
PLU L 21 F SWD 1
PLU L 21 F SWD 1

Design: PLU L 21 F SWD 1

FINAL SURVEY REPORT

02 December, 2020





GeoGuidance Drilling
FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU L 21 F SWD 1
Project:	EDDY COUNTY, NM	TVD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Site:	PLU LINCOLN 21 FED	MD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Well:	PLU L 21 F SWD 1	North Reference:	Grid
Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

Project	EDDY COUNTY, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	PLU LINCOLN 21 FED		
Site Position:		Northing:	404,000.00 usft
From:	Map	Easting:	640,000.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.109905
		Longitude:	-103.881175
		Grid Convergence:	0.24 °

Well	PLU L 21 F SWD 1, SUR. N 403777.2 E 639922.3					
Well Position	+N/-S	0.00 usft	Northing:	403,777.20 usft	Latitude:	32.109293
	+E/-W	0.00 usft	Easting:	639,922.30 usft	Longitude:	-103.881429
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,253.00 usft

Wellbore	PLU L 21 F SWD 1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	9/8/2020	6.77	59.77	47,475

Design	PLU L 21 F SWD 1				
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	0.00	

Survey Program	Date	12/2/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
118.00	17,495.00	Survey #1 (PLU L 21 F SWD 1)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction



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Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
0.00	0.00	0.00	0.00	0.00	3,286.00	0.00	0.00	403,777.20	639,922.30	0.00	0.00
118.00	0.16	5.79		118.00	3,168.00	0.16	0.02	403,777.36	639,922.32	0.14	0.16
269.00	0.02	267.82		269.00	3,017.00	0.37	0.01	403,777.57	639,922.31	0.11	0.37
328.00	0.13	224.72		328.00	2,958.00	0.32	-0.05	403,777.52	639,922.25	0.20	0.32
391.00	0.55	199.28		391.00	2,895.00	-0.01	-0.20	403,777.19	639,922.10	0.69	-0.01
543.00	0.60	19.96		543.00	2,743.00	0.05	-0.17	403,777.25	639,922.13	0.76	0.05
639.00	0.52	57.00		638.99	2,647.01	0.76	0.37	403,777.96	639,922.67	0.38	0.76
702.00	0.47	118.72		701.99	2,584.01	0.79	0.84	403,777.99	639,923.14	0.81	0.79
796.00	0.57	221.84		795.99	2,490.01	0.26	0.86	403,777.46	639,923.16	0.87	0.26
891.00	0.61	224.44		890.98	2,395.02	-0.46	0.20	403,776.74	639,922.50	0.05	-0.46
985.00	0.67	252.56		984.98	2,301.02	-0.98	-0.68	403,776.22	639,921.62	0.34	-0.98
1,162.00	0.70	234.12		1,161.96	2,124.04	-1.92	-2.54	403,775.28	639,919.76	0.13	-1.92
1,257.00	0.56	239.49		1,256.96	2,029.04	-2.50	-3.41	403,774.70	639,918.89	0.16	-2.50
1,351.00	0.16	311.51		1,350.96	1,935.04	-2.65	-3.91	403,774.55	639,918.39	0.57	-2.65
1,445.00	0.24	7.90		1,444.96	1,841.04	-2.36	-3.98	403,774.84	639,918.32	0.21	-2.36
1,539.00	0.57	14.73		1,538.95	1,747.05	-1.72	-3.83	403,775.48	639,918.47	0.35	-1.72
1,634.00	0.31	23.57		1,633.95	1,652.05	-1.02	-3.61	403,776.18	639,918.69	0.28	-1.02
1,728.00	0.50	29.82		1,727.95	1,558.05	-0.43	-3.30	403,776.77	639,919.00	0.21	-0.43
1,822.00	0.56	7.49		1,821.94	1,464.06	0.38	-3.04	403,777.58	639,919.26	0.23	0.38
1,917.00	0.86	7.36		1,916.94	1,369.06	1.54	-2.89	403,778.74	639,919.41	0.32	1.54
2,011.00	0.62	350.43		2,010.93	1,275.07	2.75	-2.88	403,779.95	639,919.42	0.34	2.75
2,106.00	0.24	328.80		2,105.93	1,180.07	3.42	-3.07	403,780.62	639,919.23	0.43	3.42
2,200.00	0.17	36.00		2,199.93	1,086.07	3.70	-3.09	403,780.90	639,919.21	0.25	3.70
2,294.00	0.25	16.97		2,293.93	992.07	4.01	-2.95	403,781.21	639,919.35	0.11	4.01
2,389.00	0.30	55.01		2,388.92	897.08	4.35	-2.68	403,781.55	639,919.62	0.20	4.35
2,483.00	0.27	42.28		2,482.92	803.08	4.66	-2.33	403,781.86	639,919.97	0.07	4.66
2,577.00	0.31	55.87		2,576.92	709.08	4.96	-1.97	403,782.16	639,920.33	0.08	4.96



GeoGuidance Drilling
FINAL SURVEY REPORT



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Project:	EDDY COUNTY, NM	TVD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Site:	PLU LINCOLN 21 FED	MD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Well:	PLU L 21 F SWD 1	North Reference:	Grid
Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
2,672.00	0.27	64.82	2,671.92	614.08	5.20	-1.56	403,782.40	639,920.74	0.06	5.20
2,766.00	0.19	10.86	2,765.92	520.08	5.45	-1.33	403,782.65	639,920.97	0.23	5.45
2,861.00	0.10	280.82	2,860.92	425.08	5.62	-1.38	403,782.82	639,920.92	0.23	5.62
2,955.00	0.06	246.40	2,954.92	331.08	5.62	-1.51	403,782.82	639,920.79	0.06	5.62
3,049.00	0.20	277.89	3,048.92	237.08	5.62	-1.71	403,782.82	639,920.59	0.16	5.62
3,144.00	0.18	155.67	3,143.92	142.08	5.51	-1.82	403,782.71	639,920.48	0.35	5.51
3,238.00	0.29	106.60	3,237.92	48.08	5.30	-1.53	403,782.50	639,920.77	0.23	5.30
3,333.00	0.44	111.35	3,332.92	-46.92	5.10	-0.96	403,782.30	639,921.34	0.16	5.10
3,427.00	0.73	123.19	3,426.91	-140.91	4.64	-0.12	403,781.84	639,922.18	0.33	4.64
3,521.00	1.02	132.95	3,520.90	-234.90	3.75	0.99	403,780.95	639,923.29	0.35	3.75
3,616.00	0.86	129.21	3,615.89	-329.89	2.72	2.16	403,779.92	639,924.46	0.18	2.72
3,699.00	0.99	127.80	3,698.88	-412.88	1.89	3.21	403,779.09	639,925.51	0.16	1.89
3,799.00	0.39	110.29	3,798.87	-512.87	1.24	4.21	403,778.44	639,926.51	0.63	1.24
3,893.00	0.28	346.58	3,892.87	-606.87	1.35	4.46	403,778.55	639,926.76	0.63	1.35
3,988.00	0.96	288.53	3,987.86	-701.86	1.83	3.65	403,779.03	639,925.95	0.89	1.83
4,082.00	1.25	226.04	4,081.85	-795.85	1.37	2.17	403,778.57	639,924.47	1.25	1.37
4,177.00	0.99	158.50	4,176.83	-890.83	-0.11	1.72	403,777.09	639,924.02	1.33	-0.11
4,271.00	1.17	91.01	4,270.82	-984.82	-0.89	2.98	403,776.31	639,925.28	1.29	-0.89
4,365.00	1.26	26.52	4,364.80	-1,078.80	0.02	4.40	403,777.22	639,926.70	1.38	0.02
4,460.00	1.10	308.20	4,459.79	-1,173.79	1.52	4.15	403,778.72	639,926.45	1.57	1.52
4,554.00	1.42	242.95	4,553.77	-1,267.77	1.55	2.40	403,778.75	639,924.70	1.47	1.55
4,649.00	1.37	181.65	4,648.75	-1,362.75	-0.12	1.32	403,777.08	639,923.62	1.50	-0.12
4,743.00	1.57	125.01	4,742.72	-1,456.72	-1.99	2.35	403,775.21	639,924.65	1.50	-1.99
4,838.00	1.57	64.24	4,837.69	-1,551.69	-2.17	4.58	403,775.03	639,926.88	1.67	-2.17
4,932.00	1.57	358.22	4,931.66	-1,645.66	-0.32	5.70	403,776.88	639,928.00	1.82	-0.32
5,026.00	1.92	303.76	5,025.62	-1,739.62	1.84	4.35	403,779.04	639,926.65	1.73	1.84
5,121.00	1.65	251.74	5,120.58	-1,834.58	2.30	1.73	403,779.50	639,924.03	1.67	2.30



GeoGuidance Drilling
FINAL SURVEY REPORT



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Project:	EDDY COUNTY, NM	TVD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Site:	PLU LINCOLN 21 FED	MD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Well:	PLU L 21 F SWD 1	North Reference:	Grid
Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
5,215.00	1.46	196.52	5,214.55	-1,928.55	0.73	0.11	403,777.93	639,922.41	1.54	0.73
5,309.00	1.35	147.01	5,308.53	-2,022.53	-1.35	0.37	403,775.85	639,922.67	1.26	-1.35
5,404.00	1.12	87.70	5,403.51	-2,117.51	-2.25	1.91	403,774.95	639,924.21	1.30	-2.25
5,498.00	0.42	69.26	5,497.50	-2,211.50	-2.09	3.15	403,775.11	639,925.45	0.78	-2.09
5,593.00	0.78	223.22	5,592.50	-2,306.50	-2.44	3.03	403,774.76	639,925.33	1.23	-2.44
5,687.00	1.06	170.19	5,686.49	-2,400.49	-3.76	2.74	403,773.44	639,925.04	0.91	-3.76
5,782.00	1.37	106.37	5,781.47	-2,495.47	-4.95	3.98	403,772.25	639,926.28	1.38	-4.95
5,876.00	1.08	47.26	5,875.45	-2,589.45	-4.67	5.71	403,772.53	639,928.01	1.31	-4.67
5,971.00	0.95	348.38	5,970.44	-2,684.44	-3.29	6.21	403,773.91	639,928.51	1.06	-3.29
6,065.00	0.84	285.98	6,064.43	-2,778.43	-2.33	5.39	403,774.87	639,927.69	0.99	-2.33
6,159.00	0.78	236.07	6,158.42	-2,872.42	-2.50	4.19	403,774.70	639,926.49	0.73	-2.50
6,254.00	0.50	183.78	6,253.42	-2,967.42	-3.28	3.63	403,773.92	639,925.93	0.65	-3.28
6,348.00	0.56	139.71	6,347.41	-3,061.41	-4.04	3.90	403,773.16	639,926.20	0.43	-4.04
6,443.00	0.67	83.53	6,442.41	-3,156.41	-4.33	4.75	403,772.87	639,927.05	0.62	-4.33
6,537.00	0.68	31.92	6,536.40	-3,250.40	-3.79	5.59	403,773.41	639,927.89	0.63	-3.79
6,632.00	0.73	341.40	6,631.40	-3,345.40	-2.74	5.70	403,774.46	639,928.00	0.64	-2.74
6,726.00	0.61	296.33	6,725.39	-3,439.39	-1.95	5.06	403,775.25	639,927.36	0.56	-1.95
6,820.00	0.64	230.03	6,819.39	-3,533.39	-2.06	4.21	403,775.14	639,926.51	0.73	-2.06
6,915.00	0.69	143.24	6,914.38	-3,628.38	-2.86	4.14	403,774.34	639,926.44	0.96	-2.86
7,009.00	1.00	111.37	7,008.37	-3,722.37	-3.62	5.25	403,773.58	639,927.55	0.59	-3.62
7,104.00	1.08	74.80	7,103.36	-3,817.36	-3.68	6.88	403,773.52	639,929.18	0.69	-3.68
7,198.00	1.05	24.83	7,197.34	-3,911.34	-2.67	8.10	403,774.53	639,930.40	0.96	-2.67
7,293.00	0.93	356.35	7,292.33	-4,006.33	-1.11	8.42	403,776.09	639,930.72	0.53	-1.11
7,387.00	0.50	299.39	7,386.32	-4,100.32	-0.15	8.01	403,777.05	639,930.31	0.83	-0.15
7,481.00	0.34	209.33	7,480.32	-4,194.32	-0.19	7.52	403,777.01	639,929.82	0.64	-0.19
7,576.00	0.59	129.38	7,575.32	-4,289.32	-0.75	7.76	403,776.45	639,930.06	0.66	-0.75
7,670.00	1.13	107.93	7,669.31	-4,383.31	-1.34	9.01	403,775.86	639,931.31	0.66	-1.34



GeoGuidance Drilling
FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU L 21 F SWD 1
Project:	EDDY COUNTY, NM	TVD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Site:	PLU LINCOLN 21 FED	MD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Well:	PLU L 21 F SWD 1	North Reference:	Grid
Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
7,765.00	1.65	88.07	7,764.28	-4,478.28	-1.58	11.27	403,775.62	639,933.57	0.74	-1.58
7,859.00	1.55	77.55	7,858.25	-4,572.25	-1.26	13.86	403,775.94	639,936.16	0.33	-1.26
7,953.00	1.05	75.20	7,952.22	-4,666.22	-0.77	15.94	403,776.43	639,938.24	0.53	-0.77
8,048.00	0.63	104.64	8,047.21	-4,761.21	-0.68	17.28	403,776.52	639,939.58	0.62	-0.68
8,142.00	0.74	106.64	8,141.20	-4,855.20	-0.98	18.37	403,776.22	639,940.67	0.12	-0.98
8,237.00	0.85	38.05	8,236.20	-4,950.20	-0.60	19.39	403,776.60	639,941.69	0.95	-0.60
8,331.00	1.35	356.88	8,330.18	-5,044.18	1.05	19.76	403,778.25	639,942.06	0.96	1.05
8,425.00	1.30	333.47	8,424.16	-5,138.16	3.11	19.22	403,780.31	639,941.52	0.57	3.11
8,519.00	0.88	297.53	8,518.14	-5,232.14	4.40	18.10	403,781.60	639,940.40	0.83	4.40
8,614.00	0.92	263.72	8,613.13	-5,327.13	4.65	16.70	403,781.85	639,939.00	0.55	4.65
8,708.00	0.90	211.12	8,707.12	-5,421.12	3.94	15.57	403,781.14	639,937.87	0.86	3.94
8,803.00	0.65	167.87	8,802.11	-5,516.11	2.77	15.30	403,779.97	639,937.60	0.65	2.77
8,897.00	0.71	139.27	8,896.10	-5,610.10	1.81	15.79	403,779.01	639,938.09	0.36	1.81
8,991.00	0.36	160.18	8,990.10	-5,704.10	1.09	16.27	403,778.29	639,938.57	0.42	1.09
9,086.00	0.42	211.30	9,085.10	-5,799.10	0.51	16.19	403,777.71	639,938.49	0.36	0.51
9,180.00	0.70	169.10	9,179.09	-5,893.09	-0.34	16.12	403,776.86	639,938.42	0.51	-0.34
9,275.00	1.41	116.98	9,274.08	-5,988.08	-1.44	17.27	403,775.76	639,939.57	1.18	-1.44
9,369.00	1.70	68.33	9,368.05	-6,082.05	-1.45	19.60	403,775.75	639,941.90	1.39	-1.45
9,463.00	1.77	39.12	9,462.01	-6,176.01	0.19	21.81	403,777.39	639,944.11	0.93	0.19
9,558.00	1.51	325.13	9,556.98	-6,270.98	2.35	22.02	403,779.55	639,944.32	2.09	2.35
9,652.00	1.44	238.48	9,650.96	-6,364.96	2.75	20.30	403,779.95	639,942.60	2.15	2.75
9,752.00	1.60	147.28	9,750.93	-6,464.93	0.92	19.99	403,778.12	639,942.29	2.17	0.92
9,847.00	1.63	76.70	9,845.90	-6,559.90	0.11	22.02	403,777.31	639,944.32	1.96	0.11
9,941.00	1.65	13.37	9,939.87	-6,653.87	1.74	23.63	403,778.94	639,945.93	1.83	1.74
10,036.00	0.89	342.46	10,034.85	-6,748.85	3.77	23.73	403,780.97	639,946.03	1.05	3.77
10,130.00	0.55	312.12	10,128.84	-6,842.84	4.77	23.17	403,781.97	639,945.47	0.53	4.77
10,225.00	0.50	268.13	10,223.84	-6,937.84	5.06	22.42	403,782.26	639,944.72	0.42	5.06



GeoGuidance Drilling
FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU L 21 F SWD 1
Project:	EDDY COUNTY, NM	TVD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Site:	PLU LINCOLN 21 FED	MD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Well:	PLU L 21 F SWD 1	North Reference:	Grid
Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
10,319.00	0.49	203.06	10,317.83	-7,031.83	4.68	21.85	403,781.88	639,944.15	0.57	4.68
10,414.00	0.69	164.61	10,412.83	-7,126.83	3.76	21.84	403,780.96	639,944.14	0.45	3.76
10,508.00	0.54	141.43	10,506.82	-7,220.82	2.86	22.27	403,780.06	639,944.57	0.31	2.86
10,603.00	0.23	125.62	10,601.82	-7,315.82	2.40	22.70	403,779.60	639,945.00	0.34	2.40
10,697.00	0.20	215.41	10,695.82	-7,409.82	2.16	22.76	403,779.36	639,945.06	0.32	2.16
10,791.00	0.30	132.18	10,789.82	-7,503.82	1.86	22.85	403,779.06	639,945.15	0.36	1.86
10,885.00	0.35	30.52	10,883.82	-7,597.82	1.94	23.18	403,779.14	639,945.48	0.54	1.94
10,980.00	0.54	311.46	10,978.82	-7,692.82	2.49	22.99	403,779.69	639,945.29	0.62	2.49
11,074.00	0.52	220.78	11,072.82	-7,786.82	2.46	22.38	403,779.66	639,944.68	0.80	2.46
11,160.00	0.97	118.43	11,158.81	-7,872.81	1.82	22.76	403,779.02	639,945.06	1.39	1.82
11,300.00	0.89	36.59	11,298.80	-8,012.80	2.13	24.46	403,779.33	639,946.76	0.87	2.13
11,394.00	0.32	65.01	11,392.79	-8,106.79	2.82	25.13	403,780.02	639,947.43	0.67	2.82
11,420.00	0.28	55.69	11,418.79	-8,132.79	2.89	25.25	403,780.09	639,947.55	0.24	2.89
11,521.00	0.24	71.43	11,519.79	-8,233.79	3.10	25.65	403,780.30	639,947.95	0.08	3.10
11,616.00	0.15	97.69	11,614.79	-8,328.79	3.14	25.96	403,780.34	639,948.26	0.13	3.14
11,710.00	0.12	129.52	11,708.79	-8,422.79	3.06	26.16	403,780.26	639,948.46	0.08	3.06
11,805.00	0.13	204.85	11,803.79	-8,517.79	2.90	26.19	403,780.10	639,948.49	0.16	2.90
11,899.00	0.20	222.21	11,897.79	-8,611.79	2.68	26.04	403,779.88	639,948.34	0.09	2.68
12,011.00	0.36	213.54	12,009.79	-8,723.79	2.25	25.71	403,779.45	639,948.01	0.15	2.25
12,105.00	0.31	225.69	12,103.79	-8,817.79	1.82	25.37	403,779.02	639,947.67	0.09	1.82
12,199.00	0.38	235.17	12,197.78	-8,911.78	1.47	24.93	403,778.67	639,947.23	0.10	1.47
12,294.00	0.52	226.52	12,292.78	-9,006.78	0.99	24.36	403,778.19	639,946.66	0.16	0.99
12,388.00	0.57	218.94	12,386.78	-9,100.78	0.33	23.75	403,777.53	639,946.05	0.09	0.33
12,482.00	0.35	234.18	12,480.77	-9,194.77	-0.20	23.23	403,777.00	639,945.53	0.27	-0.20
12,577.00	0.32	239.52	12,575.77	-9,289.77	-0.50	22.76	403,776.70	639,945.06	0.05	-0.50
12,671.00	0.43	250.29	12,669.77	-9,383.77	-0.76	22.20	403,776.44	639,944.50	0.14	-0.76
12,765.00	0.50	247.25	12,763.77	-9,477.77	-1.03	21.49	403,776.17	639,943.79	0.08	-1.03



GeoGuidance Drilling
FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU L 21 F SWD 1
Project:	EDDY COUNTY, NM	TVD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Site:	PLU LINCOLN 21 FED	MD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Well:	PLU L 21 F SWD 1	North Reference:	Grid
Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
12,859.00	0.56	240.45	12,857.76	-9,571.76	-1.42	20.72	403,775.78	639,943.02	0.09	-1.42
12,954.00	0.60	238.96	12,952.76	-9,666.76	-1.90	19.89	403,775.30	639,942.19	0.04	-1.90
13,048.00	0.63	235.55	13,046.75	-9,760.75	-2.45	19.04	403,774.75	639,941.34	0.05	-2.45
13,142.00	0.63	243.28	13,140.75	-9,854.75	-2.97	18.15	403,774.23	639,940.45	0.09	-2.97
13,237.00	0.72	254.06	13,235.74	-9,949.74	-3.37	17.11	403,773.83	639,939.41	0.16	-3.37
13,331.00	0.82	260.74	13,329.73	-10,043.73	-3.64	15.88	403,773.56	639,938.18	0.14	-3.64
13,425.00	0.89	266.75	13,423.72	-10,137.72	-3.79	14.49	403,773.41	639,936.79	0.12	-3.79
13,520.00	0.90	262.42	13,518.71	-10,232.71	-3.93	13.01	403,773.27	639,935.31	0.07	-3.93
13,614.00	0.93	259.37	13,612.70	-10,326.70	-4.17	11.53	403,773.03	639,933.83	0.06	-4.17
13,708.00	1.03	256.62	13,706.69	-10,420.69	-4.51	9.96	403,772.69	639,932.26	0.12	-4.51
13,802.00	1.06	253.53	13,800.67	-10,514.67	-4.95	8.30	403,772.25	639,930.60	0.07	-4.95
13,896.00	1.08	253.99	13,894.65	-10,608.65	-5.44	6.62	403,771.76	639,928.92	0.02	-5.44
13,991.00	1.11	254.46	13,989.64	-10,703.64	-5.93	4.87	403,771.27	639,927.17	0.03	-5.93
14,085.00	1.13	254.01	14,083.62	-10,797.62	-6.43	3.10	403,770.77	639,925.40	0.02	-6.43
14,179.00	1.15	260.20	14,177.60	-10,891.60	-6.85	1.28	403,770.35	639,923.58	0.13	-6.85
14,274.00	1.13	251.52	14,272.58	-10,986.58	-7.31	-0.55	403,769.89	639,921.75	0.18	-7.31
14,368.00	1.13	249.63	14,366.56	-11,080.56	-7.93	-2.30	403,769.27	639,920.00	0.04	-7.93
14,463.00	1.28	250.14	14,461.54	-11,175.54	-8.61	-4.17	403,768.59	639,918.13	0.16	-8.61
14,557.00	1.72	211.29	14,555.51	-11,269.51	-10.17	-5.89	403,767.03	639,916.41	1.15	-10.17
14,646.00	2.57	193.18	14,644.45	-11,358.45	-13.26	-7.04	403,763.94	639,915.26	1.21	-13.26
14,740.00	3.85	186.63	14,738.30	-11,452.30	-18.45	-7.89	403,758.75	639,914.41	1.41	-18.45
14,834.00	3.36	190.28	14,832.11	-11,546.11	-24.29	-8.74	403,752.91	639,913.56	0.58	-24.29
14,928.00	3.23	192.97	14,925.96	-11,639.96	-29.58	-9.83	403,747.62	639,912.47	0.21	-29.58
15,027.00	2.99	196.50	15,024.81	-11,738.81	-34.78	-11.19	403,742.42	639,911.11	0.31	-34.78
15,121.00	2.72	199.48	15,118.70	-11,832.70	-39.23	-12.63	403,737.97	639,909.67	0.33	-39.23
15,215.00	2.50	203.27	15,212.60	-11,926.60	-43.21	-14.18	403,733.99	639,908.12	0.30	-43.21
15,310.00	2.25	206.69	15,307.52	-12,021.52	-46.78	-15.84	403,730.42	639,906.46	0.30	-46.78



GeoGuidance Drilling
FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU L 21 F SWD 1
Project:	EDDY COUNTY, NM	TVD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Site:	PLU LINCOLN 21 FED	MD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Well:	PLU L 21 F SWD 1	North Reference:	Grid
Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
15,404.00	2.23	211.05	211.05	15,401.44	-12,115.44	-50.00	-17.61	403,727.20	639,904.69	0.18	-50.00
15,499.00	2.29	215.23	215.23	15,496.37	-12,210.37	-53.13	-19.66	403,724.07	639,902.64	0.18	-53.13
15,593.00	2.25	219.97	219.97	15,590.30	-12,304.30	-56.08	-21.93	403,721.12	639,900.37	0.20	-56.08
15,689.00	2.21	225.29	225.29	15,686.22	-12,400.22	-58.83	-24.45	403,718.37	639,897.85	0.22	-58.83
15,783.00	2.34	226.31	226.31	15,780.15	-12,494.15	-61.43	-27.13	403,715.77	639,895.17	0.14	-61.43
15,877.00	2.54	226.93	226.93	15,874.07	-12,588.07	-64.18	-30.04	403,713.02	639,892.26	0.21	-64.18
15,972.00	2.62	232.56	232.56	15,968.97	-12,682.97	-66.93	-33.30	403,710.27	639,889.00	0.28	-66.93
16,066.00	2.43	228.18	228.18	16,062.88	-12,776.88	-69.57	-36.49	403,707.63	639,885.81	0.29	-69.57
16,161.00	2.74	229.45	229.45	16,157.78	-12,871.78	-72.39	-39.72	403,704.81	639,882.58	0.33	-72.39
16,255.00	3.85	211.87	211.87	16,251.63	-12,965.63	-76.53	-43.09	403,700.67	639,879.21	1.58	-76.53
16,349.00	4.47	215.05	215.05	16,345.38	-13,059.38	-82.21	-46.86	403,694.99	639,875.44	0.70	-82.21
16,402.00	4.32	214.94	214.94	16,398.22	-13,112.22	-85.53	-49.19	403,691.67	639,873.11	0.28	-85.53
16,489.00	4.65	226.80	226.80	16,484.96	-13,198.96	-90.64	-53.64	403,686.56	639,868.66	1.13	-90.64
16,583.00	5.12	232.11	232.11	16,578.62	-13,292.62	-95.82	-59.72	403,681.38	639,862.58	0.69	-95.82
16,678.00	4.79	239.70	239.70	16,673.26	-13,387.26	-100.42	-66.49	403,676.78	639,855.81	0.77	-100.42
16,773.00	5.17	254.12	254.12	16,767.91	-13,481.91	-103.60	-74.04	403,673.60	639,848.26	1.37	-103.60
16,868.00	5.05	257.51	257.51	16,862.53	-13,576.53	-105.67	-82.24	403,671.53	639,840.06	0.34	-105.67
16,962.00	5.38	252.17	252.17	16,956.14	-13,670.14	-107.92	-90.47	403,669.28	639,831.83	0.62	-107.92
17,056.00	5.57	254.85	254.85	17,049.71	-13,763.71	-110.46	-99.07	403,666.74	639,823.23	0.34	-110.46
17,151.00	5.26	253.80	253.80	17,144.29	-13,858.29	-112.88	-107.70	403,664.32	639,814.60	0.34	-112.88
17,245.00	5.29	249.58	249.58	17,237.89	-13,951.89	-115.59	-115.90	403,661.61	639,806.40	0.41	-115.59
17,340.00	4.84	256.12	256.12	17,332.52	-14,046.52	-118.08	-123.89	403,659.12	639,798.41	0.77	-118.08
17,434.00	4.81	262.57	262.57	17,426.19	-14,140.19	-119.54	-131.65	403,657.66	639,790.65	0.58	-119.54
17,495.00	4.81	262.57	262.57	17,486.97	-14,200.97	-120.20	-136.72	403,657.00	639,785.58	0.00	-120.20



GeoGuidance Drilling
FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU L 21 F SWD 1
Project:	EDDY COUNTY, NM	TVD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Site:	PLU LINCOLN 21 FED	MD Reference:	PLU L 21 F SWD 1 @ 3286.00usft (N X34 - 33' KB)
Well:	PLU L 21 F SWD 1	North Reference:	Grid
Wellbore:	PLU L 21 F SWD 1	Survey Calculation Method:	Minimum Curvature
Design:	PLU L 21 F SWD 1	Database:	XTO ENERGY

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,103.00	1,102.97	-1.54	-1.95	18 5/8" Casing
3,764.00	3,763.87	1.37	3.95	13 3/8" Casing
11,281.00	11,279.80	1.91	24.27	9 5/8" Casing
17,495.00	17,486.97	-120.20	-136.72	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____



Measurement While Drilling (MWD) Survey Certification

State of: New Mexico
County of: Eddy

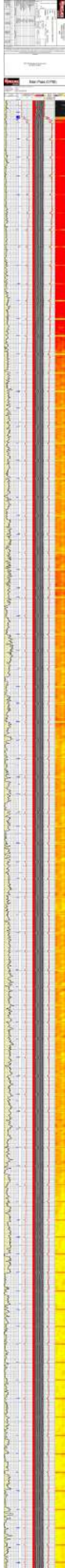
I, Adam Wentworth, certify that; I am employed by GeoGuidance Drilling Services, Inc.; that I did on the day(s) of 09-24-2020 through 11-21-2020 conduct or supervise the taking of a directional MWD survey from a depth of 1,115 feet to a depth of 17,434 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by GeoGuidance Drilling Services, Inc.; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy Inc. for Poker Lake Unit Lincoln 21 Fee SWD #1 A.P.I. No. 30-015-47448 in Eddy County, New Mexico Field; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by GeoGuidance Drilling Services, Inc.

Survey Instrument Type
MWD

Adam Wentworth
MWD Coordinator
GeoGuidance Drilling
Services, Inc.



“Professionals in Wellbore Navigation”



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 91893

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 3617 Big Spring St. MIDLAND, TX 79705	OGRID: 373075
	Action Number: 91893
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
<input type="checkbox"/>	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.
<input type="checkbox"/>	I hereby certify that no additives containing PFAS chemicals were added to the fluid used in the completion or recompletion of this well.

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State of New Mexico
Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
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CONDITIONS

Action 91893

CONDITIONS

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	Action Number: 91893
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	3/6/2026