

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

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 30-015-44309	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 317790	⁵ Property Name REMUDA NORTH 25 STATE	⁶ Well Number 128H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,074'

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
I	25	23 S	29 E		2,379	SOUTH	645	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
A	24	23 S	29 E		213	NORTH	336	EAST	EDDY

¹² Dedicated Acres 480	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

¹⁶	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 463,989.3 X= 624,292.5 LAT.= 32.274983°N LONG.= 103.931179°W FIRST TAKE POINT NAD 27 NME Y= 464,628.7 X= 624,578.6 LAT.= 32.276738°N LONG.= 103.930246°W GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 464,048.7 X= 665,475.5 LAT.= 32.275106°N LONG.= 103.931670°W FIRST TAKE POINT NAD 83 NME Y= 464,688.1 X= 665,761.6 LAT.= 32.276860°N LONG.= 103.930737°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 464,258.3 N, X= 624,936.3 E B - Y= 464,258.9 N, X= 623,667.2 E C - Y= 466,919.4 N, X= 624,926.4 E D - Y= 466,919.6 N, X= 623,603.9 E E - Y= 469,568.1 N, X= 624,904.6 E F - Y= 469,570.2 N, X= 623,580.9 E G - Y= 472,226.1 N, X= 624,885.4 E H - Y= 472,227.8 N, X= 623,559.3 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 464,317.7 N, X= 666,119.3 E B - Y= 464,318.3 N, X= 664,850.2 E C - Y= 466,978.9 N, X= 666,109.3 E D - Y= 466,979.1 N, X= 664,786.8 E E - Y= 469,627.6 N, X= 666,087.4 E F - Y= 469,629.7 N, X= 664,763.7 E G - Y= 472,285.7 N, X= 666,068.1 E H - Y= 472,287.4 N, X= 664,742.0 E LAST TAKE POINT NAD 27 NME Y= 471,875.6 X= 624,552.7 LAT.= 32.296659°N LONG.= 103.930242°W LAST TAKE POINT NAD 83 NME Y= 471,935.2 X= 665,735.4 LAT.= 32.296781°N LONG.= 103.930734°W BOTTOM HOLE LOCATION NAD 27 NME Y= 472,013.6 X= 624,550.7 LAT.= 32.297038°N LONG.= 103.930247°W BOTTOM HOLE LOCATION NAD 83 NME Y= 472,073.2 X= 665,733.4 LAT.= 32.297161°N LONG.= 103.930738°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> 5/25/20 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. 5-22-2020 Date of Survey Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 Certificate Number JC 2019010073
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Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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



November 25, 2019

New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attn: Colin Gilmore

Re: XTO Energy Inc.
Remuda North 25 State #128H
Purple Sage; Wolfcamp
Eddy County, New Mexico
API# 30-015-44309

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, LLC. (P-5 #828149) Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Nick Trevino	Original Hole	154ft. to 18,479ft.	08-08-19 to 08-27-19	MWD Survey

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

Eric Estes

Enclosures

CC:

XTO Energy Inc.
Attn: Colin Gilmore
6401 Holiday Hill Rd. #5
Midland, Texas 79707

NMEMaNRD\ XTO Energy Inc.\Remuda North 25 State #128H\191134

STRYKER ENERGY DIRECTIONAL SERVICES, LLC.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



November 25, 2019

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of August 8, 2019 through August 27, 2019, conduct or supervise the taking of a SEDS MWD Original Hole Survey from a depth of 154feet to a depth of 18,479feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy Inc., for the Remuda North 25 State #128H well, API #**30-015-44309** in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C..

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

Eric Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

**STRYKER ENERGY DIRECTIONAL SERVICES, LLC.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163**

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H,127H,128H,168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral AsDrilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey Program **Date** 08/29/19

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
154.00	9,506.00	Survey #1 (128H Lateral)	MWD	OWSG MWD - Standard
9,597.00	18,479.00	Survey #2 (128H Lateral)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction
18,525.00	18,525.00	Survey #3 (128H Lateral)	Projection	Projection

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	463,989.40	624,292.56
RN25- 128H SHL										
154.00	1.70	224.80	153.98	-1.62	-1.61	2.28	224.80	1.10	463,987.78	624,290.95
244.00	1.70	218.90	243.94	-3.61	-3.39	4.95	223.21	0.19	463,985.79	624,289.17
329.00	1.80	212.50	328.90	-5.71	-4.90	7.53	220.60	0.26	463,983.69	624,287.66
462.00	1.90	216.70	461.83	-9.24	-7.34	11.80	218.44	0.13	463,980.16	624,285.22
554.00	0.90	225.60	553.80	-10.97	-8.77	14.04	218.62	1.11	463,978.43	624,283.79
646.00	0.40	55.60	645.80	-11.30	-9.02	14.45	218.60	1.41	463,978.10	624,283.54
736.00	0.70	29.90	735.79	-10.64	-8.48	13.61	218.56	0.42	463,978.76	624,284.07
850.00	0.60	31.30	849.79	-9.53	-7.83	12.33	219.40	0.09	463,979.87	624,284.73
941.00	0.50	50.50	940.78	-8.87	-7.27	11.47	219.35	0.23	463,980.53	624,285.28
1,033.00	0.70	54.00	1,032.78	-8.28	-6.51	10.53	218.16	0.22	463,981.12	624,286.05
1,125.00	0.70	55.80	1,124.77	-7.64	-5.59	9.46	216.20	0.02	463,981.76	624,286.97
1,214.00	0.60	74.50	1,213.76	-7.21	-4.69	8.60	213.05	0.26	463,982.19	624,287.87
1,306.00	0.40	91.30	1,305.76	-7.09	-3.90	8.09	208.86	0.27	463,982.31	624,288.65
1,398.00	0.60	115.50	1,397.76	-7.30	-3.15	7.95	203.33	0.31	463,982.10	624,289.41
1,490.00	0.60	150.30	1,489.75	-7.93	-2.48	8.30	197.34	0.39	463,981.47	624,290.08
1,581.00	0.90	162.10	1,580.74	-9.02	-2.02	9.24	192.62	0.37	463,980.38	624,290.54
1,671.00	0.30	113.70	1,670.74	-9.79	-1.59	9.91	189.21	0.82	463,979.61	624,290.97
1,762.00	0.40	24.20	1,761.74	-9.59	-1.24	9.67	187.35	0.55	463,979.81	624,291.32
1,852.00	0.40	287.60	1,851.74	-9.21	-1.41	9.32	188.70	0.66	463,980.19	624,291.15

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H,127H,128H,168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral AsDrilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
1,942.00	1.00	249.10	1,941.73	-9.40	-2.44	9.71	194.57	0.81	463,980.00	624,290.11	
2,033.00	1.70	259.00	2,032.70	-9.94	-4.51	10.91	204.40	0.81	463,979.46	624,288.05	
2,124.00	1.20	274.40	2,123.68	-10.12	-6.78	12.19	213.83	0.69	463,979.28	624,285.77	
2,216.00	0.80	343.90	2,215.66	-9.43	-7.92	12.32	220.03	1.29	463,979.97	624,284.63	
2,307.00	1.10	25.00	2,306.65	-8.03	-7.73	11.15	223.91	0.80	463,981.37	624,284.83	
2,398.00	1.60	32.70	2,397.63	-6.17	-6.67	9.09	227.26	0.58	463,983.23	624,285.88	
2,487.00	1.70	39.80	2,486.59	-4.11	-5.16	6.59	231.46	0.26	463,985.29	624,287.40	
2,578.00	1.70	53.10	2,577.55	-2.26	-3.21	3.93	234.88	0.43	463,987.14	624,289.34	
2,669.00	1.70	65.20	2,668.51	-0.88	-0.91	1.27	225.81	0.39	463,988.52	624,291.65	
2,759.00	1.60	56.60	2,758.47	0.37	1.35	1.40	74.79	0.30	463,989.77	624,293.91	
2,850.00	1.90	79.90	2,849.43	1.33	3.90	4.12	71.14	0.84	463,990.73	624,296.45	
2,940.00	2.20	87.40	2,939.38	1.67	7.09	7.29	76.74	0.45	463,991.07	624,299.65	
3,031.00	2.50	105.10	3,030.30	1.23	10.75	10.82	83.46	0.86	463,990.63	624,303.31	
3,122.00	2.90	105.80	3,121.20	0.09	14.88	14.88	89.66	0.44	463,989.49	624,307.44	
3,303.00	2.80	109.20	3,301.97	-2.61	23.46	23.61	96.35	0.11	463,986.79	624,316.02	
3,393.00	2.00	113.30	3,391.90	-3.96	26.98	27.27	98.34	0.91	463,985.44	624,319.54	
3,484.00	1.50	127.50	3,482.85	-5.31	29.39	29.86	100.24	0.72	463,984.09	624,321.94	
3,574.00	1.60	120.20	3,572.82	-6.66	31.41	32.10	101.97	0.25	463,982.74	624,323.96	
3,664.00	1.80	127.40	3,662.78	-8.15	33.62	34.59	103.62	0.32	463,981.25	624,326.17	
3,755.00	1.70	128.90	3,753.74	-9.86	35.80	37.14	105.40	0.12	463,979.54	624,328.36	
3,845.00	1.70	127.80	3,843.70	-11.52	37.90	39.61	106.91	0.04	463,977.88	624,330.45	
3,937.00	1.80	117.90	3,935.66	-13.03	40.25	42.31	107.94	0.35	463,976.37	624,332.81	
4,030.00	1.70	124.20	4,028.61	-14.49	42.68	45.08	108.75	0.23	463,974.91	624,335.24	
4,121.00	1.60	118.50	4,119.57	-15.86	44.92	47.63	109.44	0.21	463,973.54	624,337.47	
4,211.00	1.80	117.70	4,209.53	-17.11	47.27	50.27	109.90	0.22	463,972.29	624,339.83	
4,302.00	1.70	118.40	4,300.49	-18.42	49.72	53.03	110.33	0.11	463,970.98	624,342.28	
4,394.00	1.80	111.80	4,392.45	-19.61	52.27	55.82	110.56	0.24	463,969.79	624,344.82	

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H,127H,128H,168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral AsDrilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
4,483.00	1.90	111.30	4,481.40	-20.66	54.94	58.69	110.61	0.11	463,968.74	624,347.49	
4,572.00	2.10	114.80	4,570.35	-21.88	57.79	61.80	110.74	0.26	463,967.52	624,350.35	
4,664.00	2.20	112.10	4,662.28	-23.25	60.96	65.24	110.88	0.15	463,966.15	624,353.52	
4,754.00	2.20	110.90	4,752.22	-24.52	64.17	68.70	110.91	0.05	463,964.88	624,356.73	
4,845.00	2.10	108.70	4,843.15	-25.68	67.38	72.11	110.86	0.14	463,963.72	624,359.94	
4,934.00	2.30	113.60	4,932.09	-26.91	70.57	75.52	110.88	0.31	463,962.49	624,363.12	
5,025.00	2.40	113.40	5,023.01	-28.40	73.99	79.25	111.00	0.11	463,961.00	624,366.54	
5,117.00	2.50	109.10	5,114.93	-29.82	77.65	83.18	111.01	0.23	463,959.58	624,370.21	
5,209.00	2.50	113.90	5,206.84	-31.29	81.38	87.19	111.03	0.23	463,958.11	624,373.94	
5,300.00	2.60	113.50	5,297.75	-32.92	85.09	91.24	111.15	0.11	463,956.48	624,377.65	
5,391.00	1.40	107.00	5,388.69	-34.07	88.05	94.41	111.15	1.34	463,955.33	624,380.60	
5,482.00	0.90	104.30	5,479.67	-34.57	89.80	96.22	111.05	0.55	463,954.83	624,382.36	
5,573.00	0.90	95.80	5,570.66	-34.82	91.20	97.62	110.89	0.15	463,954.58	624,383.76	
5,663.00	0.60	94.40	5,660.66	-34.92	92.38	98.76	110.71	0.33	463,954.48	624,384.93	
5,754.00	1.20	87.90	5,751.64	-34.93	93.80	100.10	110.42	0.67	463,954.47	624,386.36	
5,846.00	1.50	83.10	5,843.62	-34.75	95.96	102.06	109.90	0.35	463,954.65	624,388.52	
5,936.00	1.40	77.70	5,933.59	-34.37	98.21	104.05	109.29	0.19	463,955.03	624,390.76	
6,027.00	1.90	85.00	6,024.55	-34.00	100.80	106.38	108.64	0.59	463,955.40	624,393.35	
6,118.00	2.00	85.70	6,115.50	-33.75	103.88	109.23	108.00	0.11	463,955.65	624,396.44	
6,208.00	2.30	88.20	6,205.44	-33.58	107.25	112.39	107.38	0.35	463,955.82	624,399.81	
6,299.00	1.90	92.60	6,296.37	-33.59	110.59	115.57	106.90	0.47	463,955.81	624,403.14	
6,391.00	2.00	93.80	6,388.32	-33.76	113.71	118.62	106.54	0.12	463,955.64	624,406.27	
6,480.00	2.10	95.20	6,477.26	-34.01	116.88	121.73	106.23	0.13	463,955.39	624,409.44	
6,572.00	2.00	102.40	6,569.21	-34.51	120.13	124.99	106.03	0.30	463,954.89	624,412.69	
6,664.00	1.90	104.10	6,661.15	-35.23	123.18	128.12	105.96	0.13	463,954.17	624,415.73	
6,756.00	1.80	102.10	6,753.10	-35.90	126.07	131.08	105.90	0.13	463,953.50	624,418.63	
6,847.00	2.00	106.00	6,844.05	-36.64	128.99	134.10	105.86	0.26	463,952.76	624,421.55	

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H,127H,128H,168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral AsDrilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)
6,937.00	2.20	108.50	6,933.99	-37.62	132.14	137.39	105.89	0.24	463,951.78	624,424.70
7,028.00	1.90	112.80	7,024.94	-38.76	135.19	140.64	106.00	0.37	463,950.64	624,427.75
7,182.00	1.60	121.50	7,178.86	-40.87	139.38	145.24	106.34	0.26	463,948.53	624,431.93
7,272.00	1.50	122.00	7,268.83	-42.15	141.45	147.59	106.60	0.11	463,947.25	624,434.00
7,364.00	1.30	131.20	7,360.80	-43.48	143.25	149.70	106.88	0.33	463,945.92	624,435.81
7,456.00	0.80	137.90	7,452.79	-44.64	144.47	151.21	107.17	0.56	463,944.76	624,437.02
7,546.00	0.90	132.70	7,542.78	-45.59	145.41	152.39	107.41	0.14	463,943.81	624,437.97
7,690.00	2.00	73.20	7,686.74	-45.63	148.65	155.49	107.06	1.20	463,943.77	624,441.20
7,781.00	3.30	43.00	7,777.64	-43.25	151.95	157.99	105.89	2.05	463,946.15	624,444.51
7,871.00	2.70	36.40	7,867.52	-39.65	154.98	159.97	104.35	0.77	463,949.75	624,447.53
7,962.00	1.60	40.30	7,958.45	-36.96	157.07	161.36	103.24	1.22	463,952.44	624,449.63
8,054.00	1.80	70.00	8,050.41	-35.49	159.26	163.16	102.56	0.97	463,953.91	624,451.82
8,145.00	4.50	86.70	8,141.27	-34.79	164.17	167.81	101.97	3.10	463,954.61	624,456.72
8,235.00	4.40	96.00	8,231.00	-34.95	171.13	174.66	101.54	0.81	463,954.45	624,463.68
8,325.00	3.70	97.60	8,320.77	-35.69	177.44	180.99	101.37	0.79	463,953.71	624,469.99
8,416.00	4.00	96.30	8,411.57	-36.43	183.50	187.08	101.23	0.34	463,952.97	624,476.06
8,508.00	3.70	96.60	8,503.36	-37.12	189.64	193.24	101.08	0.33	463,952.28	624,482.20
8,598.00	3.30	102.20	8,593.19	-38.01	195.06	198.73	101.03	0.58	463,951.39	624,487.61
8,689.00	2.80	92.00	8,684.06	-38.64	199.84	203.54	100.94	0.81	463,950.76	624,492.40
8,779.00	2.60	98.00	8,773.96	-39.00	204.06	207.75	100.82	0.38	463,950.40	624,496.61
8,870.00	3.40	98.40	8,864.84	-39.68	208.77	212.51	100.76	0.88	463,949.72	624,501.33
8,960.00	2.20	128.80	8,954.73	-41.15	212.76	216.70	100.95	2.08	463,948.25	624,505.31
9,052.00	2.10	139.10	9,046.67	-43.53	215.24	219.59	101.43	0.43	463,945.87	624,507.79
9,142.00	2.60	174.00	9,136.60	-46.81	216.53	221.53	102.20	1.65	463,942.59	624,509.09
9,233.00	2.30	168.60	9,227.51	-50.65	217.11	222.94	103.13	0.42	463,938.75	624,509.66
9,324.00	2.10	99.40	9,318.46	-52.71	219.11	225.36	103.53	2.75	463,936.69	624,511.67
9,415.00	1.70	135.40	9,409.42	-53.95	221.71	228.17	103.68	1.36	463,935.45	624,514.26

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H,127H,128H,168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral As Drilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
9,506.00	2.00	86.30	9,500.37	-54.81	224.24	230.84	103.73	1.72	463,934.59	624,516.80	
9,597.00	1.60	117.80	9,591.33	-55.30	226.95	233.59	103.69	1.15	463,934.10	624,519.50	
9,687.00	1.70	79.60	9,681.30	-55.64	229.37	236.02	103.64	1.20	463,933.76	624,521.93	
9,778.00	1.00	124.50	9,772.27	-55.85	231.35	238.00	103.57	1.34	463,933.55	624,523.91	
9,868.00	0.70	73.10	9,862.26	-56.13	232.53	239.21	103.57	0.87	463,933.27	624,525.08	
9,969.00	0.50	46.70	9,963.26	-55.65	233.44	239.98	103.41	0.33	463,933.75	624,525.99	
10,041.00	2.24	19.85	10,035.23	-54.11	234.14	240.32	103.01	2.51	463,935.29	624,526.70	
10,086.00	4.25	17.20	10,080.16	-51.69	234.94	240.56	102.41	4.48	463,937.71	624,527.49	
10,132.00	7.15	11.84	10,125.93	-47.26	236.03	240.71	101.32	6.40	463,942.14	624,528.58	
10,178.00	7.74	8.91	10,171.54	-41.40	237.09	240.68	99.90	1.52	463,948.00	624,529.65	
10,223.00	10.76	12.19	10,215.95	-34.30	238.45	240.91	98.18	6.81	463,955.10	624,531.01	
10,270.00	14.83	11.29	10,261.77	-24.11	240.56	241.76	95.72	8.67	463,965.29	624,533.11	
10,316.00	18.42	12.08	10,305.84	-11.22	243.23	243.49	92.64	7.82	463,978.18	624,535.79	
10,361.00	23.03	10.84	10,347.92	4.38	246.38	246.41	88.98	10.29	463,993.78	624,538.93	
10,406.00	27.35	10.72	10,388.63	23.20	249.96	251.03	84.70	9.60	464,012.60	624,542.51	
10,451.00	31.48	9.85	10,427.82	44.94	253.89	257.84	79.96	9.23	464,034.34	624,546.45	
10,496.00	35.57	11.00	10,465.33	69.37	258.40	267.55	74.97	9.20	464,058.77	624,550.96	
10,541.00	40.75	9.62	10,500.70	96.72	263.35	280.55	69.83	11.67	464,086.12	624,555.91	
10,586.00	45.40	7.95	10,533.56	127.08	268.03	296.63	64.63	10.64	464,116.48	624,560.58	
10,677.00	55.53	5.26	10,591.42	196.71	275.97	338.90	54.52	11.36	464,186.11	624,568.53	
10,768.00	66.45	4.21	10,635.49	275.91	282.49	394.87	45.68	12.04	464,265.31	624,575.05	
10,858.00	77.31	1.77	10,663.44	361.19	286.89	461.26	38.46	12.34	464,350.59	624,579.44	
10,949.00	90.08	359.66	10,673.41	451.44	287.99	535.48	32.54	14.22	464,440.84	624,580.55	
11,040.00	90.81	359.44	10,672.71	542.44	287.28	613.81	27.91	0.84	464,531.84	624,579.84	
11,046.00	90.80	359.43	10,672.62	548.44	287.22	619.09	27.64	0.24	464,537.84	624,579.78	
Wellpath Crosses FTP											

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H,127H,128H,168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral AsDrilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)
11,047.56	90.80	359.43	10,672.60	549.99	287.20	620.47	27.57	0.00	464,539.39	624,579.76
RN25- 128H FTP_281FSL_330FEL										
11,050.16	90.80	359.42	10,672.56	552.59	287.18	622.76	27.46	0.38	464,541.99	624,579.73
RN25- 128H LP										
11,096.00	90.76	359.32	10,671.94	598.43	286.67	663.55	25.60	0.24	464,587.83	624,579.23
Wellpath Crosses 330'FSL										
11,131.00	90.73	359.24	10,671.48	633.42	286.23	695.09	24.32	0.24	464,622.82	624,578.79
11,221.00	91.20	359.04	10,669.97	723.40	284.88	777.47	21.49	0.57	464,712.80	624,577.44
11,312.00	90.59	358.85	10,668.55	814.37	283.20	862.21	19.18	0.70	464,803.77	624,575.76
11,402.00	89.52	2.31	10,668.46	904.35	284.12	947.93	17.44	4.02	464,893.75	624,576.67
11,493.00	89.61	3.25	10,669.15	995.24	288.53	1,036.22	16.17	1.04	464,984.64	624,581.09
11,583.00	90.20	2.26	10,669.30	1,085.14	292.85	1,123.96	15.10	1.28	465,074.54	624,585.41
11,675.00	91.79	1.81	10,667.70	1,177.06	296.12	1,213.74	14.12	1.80	465,166.46	624,588.68
11,766.00	89.55	1.67	10,666.64	1,268.01	298.88	1,302.76	13.26	2.47	465,257.41	624,591.44
11,858.00	90.17	1.16	10,666.86	1,359.98	301.16	1,392.92	12.49	0.87	465,349.38	624,593.71
11,949.00	90.64	0.75	10,666.22	1,450.96	302.67	1,482.20	11.78	0.69	465,440.36	624,595.23
12,039.00	91.93	0.83	10,664.20	1,540.93	303.91	1,570.61	11.16	1.44	465,530.33	624,596.47
12,129.00	92.18	0.87	10,660.97	1,630.86	305.25	1,659.18	10.60	0.28	465,620.26	624,597.80
12,221.00	90.08	359.65	10,659.16	1,722.84	305.66	1,749.74	10.06	2.64	465,712.24	624,598.22
12,310.00	90.95	359.33	10,658.36	1,811.83	304.87	1,837.30	9.55	1.04	465,801.23	624,597.43
12,401.00	91.31	359.01	10,656.56	1,902.80	303.55	1,926.86	9.06	0.53	465,892.20	624,596.11
12,491.00	91.85	358.75	10,654.08	1,992.75	301.80	2,015.47	8.61	0.67	465,982.15	624,594.35
12,581.00	91.73	358.78	10,651.27	2,082.68	299.86	2,104.16	8.19	0.14	466,072.08	624,592.41
12,673.00	91.59	357.83	10,648.61	2,174.60	297.14	2,194.81	7.78	1.04	466,164.00	624,589.69
12,762.00	90.50	359.58	10,646.98	2,263.56	295.13	2,282.72	7.43	2.32	466,252.96	624,587.68
12,852.00	90.17	359.06	10,646.46	2,353.55	294.06	2,371.85	7.12	0.68	466,342.95	624,586.61
12,942.00	90.67	358.39	10,645.80	2,443.53	292.06	2,460.92	6.82	0.93	466,432.93	624,584.61

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H, 127H, 128H, 168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral AsDrilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)	
13,032.00	90.70	359.62	10,644.72	2,533.51	290.49	2,550.11	6.54	1.37	466,522.91	624,583.05	
13,121.00	89.75	1.04	10,644.37	2,622.50	291.01	2,638.60	6.33	1.92	466,611.90	624,583.56	
13,212.00	89.92	0.78	10,644.63	2,713.49	292.45	2,729.20	6.15	0.34	466,702.89	624,585.01	
13,304.00	90.64	0.57	10,644.18	2,805.48	293.53	2,820.80	5.97	0.82	466,794.88	624,586.09	
13,394.00	91.79	0.37	10,642.28	2,895.46	294.27	2,910.37	5.80	1.30	466,884.86	624,586.83	
13,485.00	89.72	1.22	10,641.08	2,986.43	295.54	3,001.02	5.65	2.46	466,975.83	624,588.09	
13,576.00	88.91	1.06	10,642.17	3,077.41	297.35	3,091.74	5.52	0.91	467,066.81	624,589.90	
13,667.00	89.33	0.63	10,643.56	3,168.39	298.69	3,182.44	5.39	0.66	467,157.79	624,591.24	
13,758.00	89.58	0.20	10,644.43	3,259.38	299.35	3,273.10	5.25	0.55	467,248.78	624,591.90	
13,849.00	89.66	359.55	10,645.03	3,350.38	299.15	3,363.71	5.10	0.72	467,339.78	624,591.70	
13,940.00	89.78	358.88	10,645.48	3,441.37	297.90	3,454.24	4.95	0.75	467,430.77	624,590.46	
14,031.00	89.55	358.53	10,646.01	3,532.34	295.84	3,544.71	4.79	0.46	467,521.74	624,588.40	
14,123.00	90.11	0.04	10,646.28	3,624.33	294.70	3,636.29	4.65	1.75	467,613.73	624,587.25	
14,213.00	90.14	0.47	10,646.09	3,714.33	295.10	3,726.03	4.54	0.48	467,703.73	624,587.65	
14,304.00	89.78	0.04	10,646.15	3,805.33	295.50	3,816.79	4.44	0.62	467,794.73	624,588.06	
14,395.00	89.66	1.99	10,646.59	3,896.31	297.11	3,907.62	4.36	2.15	467,885.71	624,589.67	
14,486.00	89.64	1.40	10,647.15	3,987.27	299.81	3,998.52	4.30	0.65	467,976.67	624,592.36	
14,576.00	89.22	1.26	10,648.04	4,077.24	301.89	4,088.40	4.23	0.49	468,066.64	624,594.45	
14,667.00	88.27	0.52	10,650.04	4,168.20	303.31	4,179.23	4.16	1.32	468,157.60	624,595.86	
14,756.00	89.36	0.20	10,651.88	4,257.18	303.87	4,268.01	4.08	1.28	468,246.58	624,596.42	
14,848.00	89.69	359.82	10,652.64	4,349.18	303.88	4,359.78	4.00	0.55	468,338.58	624,596.44	
14,939.00	90.70	358.49	10,652.33	4,440.17	302.54	4,450.46	3.90	1.84	468,429.57	624,595.10	
15,029.00	91.15	358.71	10,650.88	4,530.13	300.34	4,540.07	3.79	0.56	468,519.53	624,592.90	
15,120.00	91.12	358.64	10,649.08	4,621.08	298.24	4,630.70	3.69	0.08	468,610.48	624,590.80	
15,211.00	91.79	359.08	10,646.77	4,712.04	296.43	4,721.35	3.60	0.88	468,701.44	624,588.99	
15,303.00	94.03	0.96	10,642.09	4,803.91	296.46	4,813.05	3.53	3.18	468,793.31	624,589.02	
15,393.00	91.54	0.05	10,637.72	4,893.79	297.25	4,902.81	3.48	2.95	468,883.19	624,589.81	

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H,127H,128H,168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral AsDrilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)
15,483.00	90.73	359.15	10,635.94	4,983.77	296.62	4,992.59	3.41	1.35	468,973.17	624,589.18
15,573.00	88.01	358.89	10,636.93	5,073.74	295.08	5,082.31	3.33	3.04	469,063.14	624,587.64
15,663.00	88.77	359.67	10,639.46	5,163.70	293.95	5,172.06	3.26	1.21	469,153.10	624,586.51
15,752.00	90.28	1.53	10,640.20	5,252.68	294.88	5,260.95	3.21	2.69	469,242.08	624,587.44
15,845.00	89.66	0.96	10,640.24	5,345.66	296.91	5,353.90	3.18	0.91	469,335.06	624,589.46
15,937.00	86.67	357.96	10,643.19	5,437.59	296.04	5,445.64	3.12	4.60	469,426.99	624,588.60
16,028.00	87.06	358.31	10,648.17	5,528.40	293.08	5,536.17	3.03	0.58	469,517.80	624,585.64
16,120.00	87.20	357.71	10,652.77	5,620.23	289.89	5,627.70	2.95	0.67	469,609.63	624,582.45
16,211.00	90.08	357.99	10,654.93	5,711.13	286.48	5,718.31	2.87	3.18	469,700.53	624,579.04
16,303.00	91.40	358.41	10,653.74	5,803.08	283.59	5,810.00	2.80	1.51	469,792.48	624,576.15
16,393.00	92.97	358.62	10,650.31	5,892.98	281.26	5,899.69	2.73	1.76	469,882.38	624,573.82
16,484.00	92.49	359.22	10,645.98	5,983.86	279.55	5,990.38	2.67	0.84	469,973.26	624,572.10
16,575.00	91.40	359.26	10,642.89	6,074.80	278.34	6,081.17	2.62	1.20	470,064.20	624,570.90
16,665.00	93.03	359.63	10,639.41	6,164.72	277.47	6,170.96	2.58	1.86	470,154.12	624,570.03
16,756.00	91.46	359.19	10,635.85	6,255.64	276.53	6,261.75	2.53	1.79	470,245.04	624,569.09
16,847.00	90.17	358.72	10,634.55	6,346.62	274.87	6,352.57	2.48	1.51	470,336.02	624,567.43
16,937.00	91.48	358.13	10,633.26	6,436.57	272.40	6,442.33	2.42	1.60	470,425.97	624,564.96
17,027.00	90.90	358.63	10,631.39	6,526.52	269.86	6,532.09	2.37	0.85	470,515.92	624,562.41
17,117.00	90.22	358.76	10,630.51	6,616.49	267.81	6,621.91	2.32	0.77	470,605.89	624,560.36
17,209.00	90.78	359.22	10,629.71	6,708.47	266.19	6,713.75	2.27	0.79	470,697.87	624,558.74
17,300.00	91.09	359.52	10,628.22	6,799.45	265.19	6,804.62	2.23	0.47	470,788.85	624,557.74
17,392.00	92.05	359.92	10,625.70	6,891.41	264.74	6,896.50	2.20	1.13	470,880.81	624,557.29
17,484.00	90.50	359.17	10,623.65	6,983.39	264.01	6,988.37	2.17	1.87	470,972.79	624,556.56
17,576.00	90.56	359.28	10,622.80	7,075.37	262.76	7,080.25	2.13	0.14	471,064.77	624,555.32
17,667.00	91.06	0.41	10,621.52	7,166.36	262.51	7,171.17	2.10	1.36	471,155.76	624,555.07
17,758.00	90.90	0.31	10,619.96	7,257.35	263.09	7,262.11	2.08	0.21	471,246.75	624,555.64
17,849.00	91.37	0.19	10,618.16	7,348.33	263.48	7,353.05	2.05	0.53	471,337.73	624,556.04

Survey Report Landscape

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Remuda North 25 State 107H,127H,128H,168H
Well: RN25-128H
Wellbore: 128H Lateral
Design: 128H Lateral AsDrilled

Local Co-ordinate Reference: Well RN25-128H - Slot RN25- 128H SHL
TVD Reference: 3074+25 @ 3099.00usft (Tri101)
MD Reference: 3074+25 @ 3099.00usft (Tri101)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: STRYKER_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100ft)	Northing (usft)	Easting (usft)
17,939.00	89.13	359.39	10,617.76	7,438.32	263.15	7,442.97	2.03	2.64	471,427.72	624,555.71
18,029.00	89.75	359.78	10,618.64	7,528.31	262.50	7,532.89	2.00	0.81	471,517.71	624,555.06
18,120.00	89.69	0.31	10,619.09	7,619.31	262.57	7,623.83	1.97	0.59	471,608.71	624,555.13
18,212.00	89.36	359.46	10,619.85	7,711.31	262.39	7,715.77	1.95	0.99	471,700.71	624,554.95
18,303.00	89.22	359.18	10,620.98	7,802.29	261.31	7,806.67	1.92	0.34	471,791.69	624,553.87
18,392.00	89.52	359.31	10,621.96	7,891.28	260.14	7,895.57	1.89	0.37	471,880.68	624,552.69
18,407.00	89.52	359.28	10,622.08	7,906.28	259.95	7,910.55	1.88	0.22	471,895.68	624,552.51
Wellpath Crosses LTP										
18,408.06	89.52	359.28	10,622.09	7,907.34	259.94	7,911.61	1.88	0.00	471,896.74	624,552.49
RN25- 128H LTP_330FNL_330FEL										
18,479.00	89.50	359.12	10,622.70	7,978.27	258.94	7,982.47	1.86	0.22	471,967.67	624,551.50
18,525.00	89.50	359.12	10,623.10	8,024.26	258.24	8,028.41	1.84	0.00	472,013.66	624,550.79
TD @ 213FNL,336FEL - RN25- 128H BHL - RN25- 128H PBHL_200FNL_330FEL										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,046.00	10,672.62	548.44	287.22	Wellpath Crosses FTP
11,096.00	10,671.94	598.43	286.67	Wellpath Crosses 330'FSL
18,407.00	10,622.08	7,906.28	259.95	Wellpath Crosses LTP
18,525.00	10,623.10	8,024.26	258.24	TD @ 213FNL,336FEL

Checked By: _____ Approved By: _____ Date: _____