



RECEIVED

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EMNRD-OCDARTESIA

June 13, 2019

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

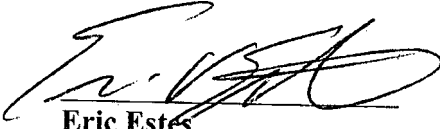
Attn: Colin Gilmore

Re: XTO Energy Inc.
Los Medanos 36 23 30 State #701H
Bone Spring
Eddy County, New Mexico
API# 30-015-45312

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>
Cliff Bray	Original Hole	158ft. to 14,930ft.	02-14-19 to 03-04-19	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.


Eric Estes

Enclosures

CC:

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

NMEMaNRD\ XTO Energy Inc.\Los Medanos 36 23 30 State #701HM191055

STRYKER ENERGY DIRECTIONAL SERVICES, LLC.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163



June 13, 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 February 14, 2019 through March 4, 2019, conduct or supervise the taking of a SEDS MWD Original Hole Survey from a depth of 158feet to a depth of 14,930feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy Inc., for the Los Medanos 36 23 30 State #701H well, API #30-015-45312 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.

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Montgomery, TX 77356

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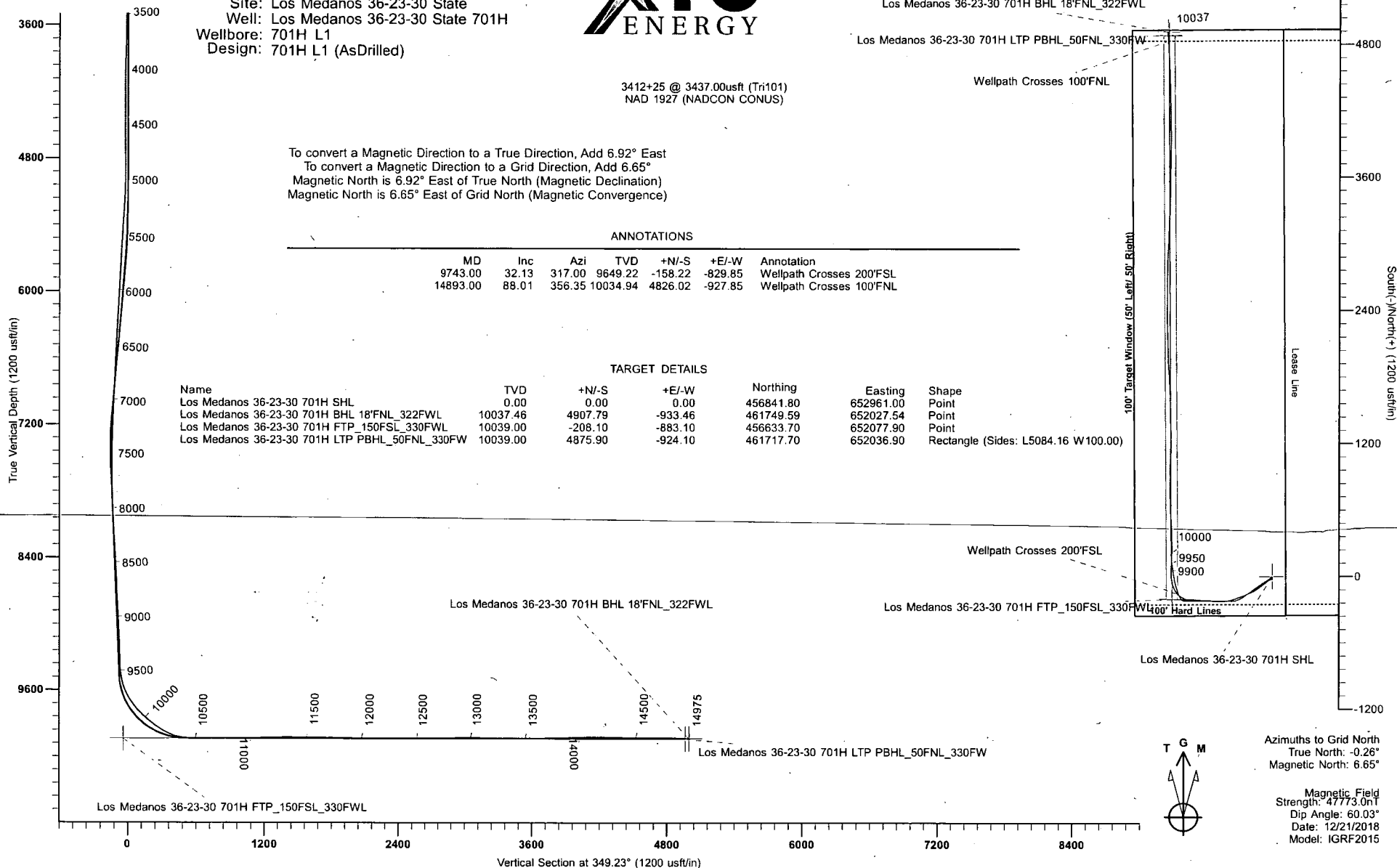


3412+25 @ 3437.00usft (Tri101)
NAD 1927 (NADCON CONUS)

To convert a Magnetic Direction to a True Direction, Add 6.92° East
 To convert a Magnetic Direction to a Grid Direction, Add 6.65°
 Magnetic North is 6.92° East of True North (Magnetic Declination)
 Magnetic North is 6.65° East of Grid North (Magnetic Convergence)

MD	Inc	Azi	TVD	+N/-S	+E/-W	Annotation
9743.00	32.13	317.00	9649.22	-158.22	-829.85	Wellpath Crosses 200'FSL
14893.00	88.01	356.35	10034.94	4826.02	-927.85	Wellpath Crosses 100'FNL

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Los Medanos 36-23-30 701H SHL	0.00	0.00	0.00	456841.80	652961.00	Point
Los Medanos 36-23-30 701H BHL 18°FNL 322FWL	10037.46	4907.79	-933.46	461749.59	652027.54	Point
Los Medanos 36-23-30 701H FTP 150°FNL 330FWL	10039.00	-208.10	-883.10	456633.70	652077.90	Point
Los Medanos 36-23-30 701H LTP PBHL 50°FNL 330FW	10039.00	4875.90	-924.10	461717.70	652036.90	Rectangle (Sides: L5084.16 W100.00)



STRYKER DIRECTIONAL
6701 FM 307
Midland, Texas 79706 - 432-687-1121

STRYKER
DIRECTIONAL

Survey Report Landscape

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 701H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 701H	North Reference:	Grid
Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	Database:	STRYKER_EDM

Project	Eddy County, NM (NAD27) NMEZ 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	Los Medanos 36-23-30 State		
Site Position:		Northing:	456,871.90 usft
From:	Map	Easting:	652,961.40 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	32.25508879
		Longitude:	-103.83852891
		Grid Convergence:	0.26 °

Well	Los Medanos 36-23-30 State 701H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft		Wellhead Elevation:
			usft
			Latitude:
			32.25500606
			Longitude:
			-103.83853066
			Ground Level:
			3,412.00 usft

Wellbore	701H L1		
Magnetics	Model Name	Sample Date	Declination
			(°)
			Dip Angle
			(°)
			Field Strength
			(nT)
	IGRF2015	12/21/18	6.92
			60.03
			47,772.96317877

Design	701H L1 (AsDrilled)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			349.23

Survey Report Landscape

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 701H
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Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 701H	North Reference:	Grid
Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey Program		Date 03/07/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
158.00	14,930.00	Survey #1 (701H L1)	MWD	OWSG MWD - Standard
14,975.00	14,975.00	Survey #2 (701H L1)	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	456,841.80	652,961.00	
Los Medanos 36-23-30 701H SHL											
158.00	0.60	212.90	158.00	-0.69	-0.45	0.83	212.90	0.38	456,841.11	652,960.55	
First Stryker Survey											
247.00	0.70	216.30	246.99	-1.52	-1.02	1.84	213.91	0.12	456,840.28	652,959.98	
338.00	0.70	214.20	337.98	-2.43	-1.67	2.95	214.41	0.03	456,839.37	652,959.33	
489.00	0.50	218.60	488.98	-3.71	-2.60	4.53	214.98	0.14	456,838.09	652,958.40	
585.00	0.60	179.70	584.97	-4.54	-2.85	5.36	212.16	0.39	456,837.26	652,958.15	
676.00	0.70	179.50	675.97	-5.57	-2.85	6.26	207.06	0.11	456,836.23	652,958.15	
766.00	0.70	191.00	765.96	-6.66	-2.95	7.28	203.86	0.16	456,835.14	652,958.05	
798.00	0.70	203.90	797.96	-7.03	-3.06	7.67	203.54	0.49	456,834.77	652,957.94	
887.00	0.60	236.30	886.95	-7.79	-3.67	8.61	205.24	0.42	456,834.01	652,957.33	
978.00	0.50	220.00	977.95	-8.36	-4.32	9.41	207.35	0.20	456,833.44	652,956.68	
1,068.00	0.50	215.00	1,067.94	-8.98	-4.80	10.18	208.13	0.05	456,832.82	652,956.20	
1,158.00	0.40	228.50	1,157.94	-9.51	-5.26	10.87	208.96	0.16	456,832.29	652,955.74	
1,248.00	0.30	211.40	1,247.94	-9.92	-5.62	11.40	209.53	0.16	456,831.88	652,955.38	
1,338.00	0.30	187.80	1,337.94	-10.35	-5.77	11.85	209.15	0.14	456,831.45	652,955.23	
1,428.00	0.10	217.10	1,427.94	-10.65	-5.85	12.15	208.80	0.24	456,831.15	652,955.15	
1,519.00	0.10	109.20	1,518.94	-10.74	-5.83	12.22	208.48	0.18	456,831.06	652,955.17	
1,610.00	0.20	152.20	1,609.94	-10.90	-5.68	12.29	207.50	0.16	456,830.90	652,955.32	
1,701.00	0.40	100.80	1,700.94	-11.10	-5.29	12.30	205.48	0.35	456,830.70	652,955.71	
1,791.00	0.40	118.80	1,790.93	-11.31	-4.71	12.25	202.59	0.14	456,830.49	652,956.29	

Survey Report Landscape

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 701H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 701H	North Reference:	Grid
Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	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)
1,882.00	0.50	147.30	1,881.93	-11.80	-4.21	12.53	199.65	0.27	456,830.00	652,956.79
1,972.00	0.60	143.10	1,971.93	-12.51	-3.72	13.05	196.56	0.12	456,829.29	652,957.28
2,063.00	0.70	137.00	2,062.92	-13.30	-3.05	13.64	192.94	0.13	456,828.50	652,957.95
2,153.00	0.60	105.90	2,152.92	-13.83	-2.23	14.01	189.14	0.40	456,827.97	652,958.77
2,244.00	0.60	89.80	2,243.91	-13.96	-1.29	14.02	185.29	0.18	456,827.84	652,959.71
2,336.00	0.40	78.40	2,335.91	-13.89	-0.49	13.90	182.04	0.24	456,827.91	652,960.51
2,427.00	0.40	91.70	2,426.91	-13.84	0.13	13.84	179.45	0.10	456,827.96	652,961.13
2,517.00	0.40	98.40	2,516.90	-13.89	0.76	13.91	176.87	0.05	456,827.91	652,961.76
2,607.00	0.30	91.30	2,606.90	-13.94	1.31	14.00	174.65	0.12	456,827.86	652,962.31
2,697.00	0.20	65.90	2,696.90	-13.88	1.68	13.99	173.08	0.16	456,827.92	652,962.68
2,788.00	0.30	102.80	2,787.90	-13.87	2.06	14.02	171.55	0.20	456,827.93	652,963.06
2,880.00	0.20	119.70	2,879.90	-14.00	2.44	14.21	170.13	0.13	456,827.80	652,963.44
2,970.00	0.30	352.70	2,969.90	-13.85	2.54	14.08	169.60	0.50	456,827.95	652,963.54
3,061.00	0.40	325.00	3,060.90	-13.35	2.33	13.55	170.10	0.21	456,828.45	652,963.33
3,152.00	0.60	301.70	3,151.89	-12.84	1.74	12.96	172.27	0.31	456,828.96	652,962.74
3,243.00	1.10	325.20	3,242.88	-11.87	0.84	11.90	175.96	0.66	456,829.93	652,961.84
3,334.00	0.70	7.40	3,333.87	-10.61	0.41	10.61	177.78	0.82	456,831.19	652,961.41
3,425.00	0.30	110.70	3,424.87	-10.14	0.71	10.16	176.02	0.90	456,831.66	652,961.71
3,518.00	0.20	145.80	3,517.87	-10.36	1.02	10.41	174.35	0.19	456,831.44	652,962.02
3,608.00	0.70	161.60	3,607.87	-11.01	1.29	11.09	173.34	0.57	456,830.79	652,962.29
3,698.00	1.50	159.80	3,697.85	-12.64	1.87	12.77	171.60	0.89	456,829.16	652,962.87
3,788.00	1.80	163.70	3,787.81	-15.10	2.67	15.33	169.97	0.36	456,826.70	652,963.67
3,854.00	2.00	158.70	3,853.78	-17.17	3.38	17.50	168.86	0.39	456,824.63	652,964.38
3,950.00	1.90	152.50	3,949.72	-20.14	4.72	20.69	166.80	0.24	456,821.66	652,965.72
4,041.00	1.20	248.70	4,040.70	-21.82	4.53	22.29	168.27	2.59	456,819.98	652,965.53
4,132.00	1.50	255.60	4,131.67	-22.47	2.49	22.60	173.68	0.37	456,819.33	652,963.49
4,222.00	1.20	249.80	4,221.65	-23.08	0.46	23.09	178.85	0.37	456,818.72	652,961.46

Survey Report Landscape

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 701H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 701H	North Reference:	Grid
Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	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)	
4,313.00	1.20	265.40	4,312.63	-23.49	-1.38	23.53	183.36	0.36	456,818.31	652,959.62	
4,402.00	1.40	255.40	4,401.61	-23.84	-3.36	24.07	188.02	0.34	456,817.96	652,957.64	
4,493.00	1.50	267.10	4,492.58	-24.18	-5.63	24.83	193.10	0.34	456,817.62	652,955.37	
4,583.00	1.40	266.30	4,582.55	-24.31	-7.90	25.56	198.00	0.11	456,817.49	652,953.10	
4,675.00	1.40	273.20	4,674.52	-24.32	-10.14	26.35	202.64	0.18	456,817.48	652,950.86	
4,767.00	1.30	268.10	4,766.49	-24.29	-12.31	27.23	206.87	0.17	456,817.51	652,948.69	
4,856.00	1.20	261.20	4,855.47	-24.47	-14.24	28.31	210.20	0.20	456,817.33	652,946.76	
4,947.00	1.40	266.90	4,946.45	-24.67	-16.29	29.57	213.43	0.26	456,817.13	652,944.71	
5,038.00	3.30	248.40	5,037.37	-25.70	-19.84	32.46	217.66	2.22	456,816.10	652,941.16	
5,129.00	6.60	234.70	5,128.02	-29.69	-26.54	39.82	221.80	3.83	456,812.11	652,934.46	
5,219.00	7.30	231.40	5,217.36	-36.24	-35.23	50.54	224.19	0.90	456,805.56	652,925.77	
5,309.00	7.30	231.20	5,306.63	-43.39	-44.16	61.91	225.50	0.03	456,798.41	652,916.84	
5,400.00	7.50	232.00	5,396.87	-50.67	-53.34	73.57	226.47	0.25	456,791.13	652,907.66	
5,492.00	7.60	232.50	5,488.07	-58.07	-62.90	85.61	227.29	0.13	456,783.73	652,898.10	
5,582.00	7.30	231.70	5,577.31	-65.24	-72.11	97.24	227.86	0.35	456,776.56	652,888.89	
5,673.00	7.20	234.30	5,667.59	-72.15	-81.28	108.68	228.40	0.38	456,769.65	652,879.72	
5,762.00	7.00	233.20	5,755.90	-78.65	-90.15	119.64	228.90	0.27	456,763.15	652,870.85	
5,852.00	7.20	233.80	5,845.21	-85.27	-99.09	130.73	229.29	0.24	456,756.53	652,861.91	
5,941.00	7.20	233.20	5,933.51	-91.90	-108.06	141.85	229.62	0.08	456,749.90	652,852.94	
6,032.00	7.30	234.50	6,023.79	-98.68	-117.33	153.31	229.94	0.21	456,743.12	652,843.67	
6,123.00	7.50	235.30	6,114.03	-105.41	-126.92	164.99	230.29	0.25	456,736.39	652,834.08	
6,213.00	7.50	235.90	6,203.26	-112.05	-136.61	176.69	230.64	0.09	456,729.75	652,824.39	
6,305.00	8.20	235.30	6,294.39	-119.15	-146.98	189.21	230.97	0.77	456,722.65	652,814.02	
6,396.00	8.60	236.30	6,384.42	-126.62	-157.97	202.46	231.29	0.47	456,715.18	652,803.03	
6,487.00	9.20	242.00	6,474.32	-133.81	-170.06	216.39	231.80	1.17	456,707.99	652,790.94	
6,578.00	10.80	244.80	6,563.94	-140.86	-184.20	231.88	232.59	1.84	456,700.94	652,776.80	
6,668.00	11.00	246.20	6,652.32	-147.91	-199.68	248.50	233.47	0.37	456,693.89	652,761.32	

Survey Report Landscape

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Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
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Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	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)	
6,760.00	10.20	246.10	6,742.75	-154.76	-215.16	265.04	234.27	0.87	456,687.04	652,745.84	
6,851.00	12.40	248.00	6,831.98	-161.68	-231.59	282.44	235.08	2.45	456,680.12	652,729.41	
6,942.00	13.10	247.90	6,920.73	-169.22	-250.20	302.06	235.93	0.77	456,672.58	652,710.80	
7,031.00	12.30	248.10	7,007.55	-176.55	-268.34	321.22	236.66	0.90	456,665.25	652,692.66	
7,123.00	14.30	249.60	7,097.08	-184.17	-288.09	341.93	237.41	2.21	456,657.63	652,672.91	
7,213.00	14.80	249.90	7,184.19	-191.99	-309.30	364.04	238.17	0.56	456,649.81	652,651.70	
7,305.00	14.50	250.40	7,273.20	-199.90	-331.19	386.84	238.89	0.35	456,641.90	652,629.81	
7,397.00	14.00	250.20	7,362.37	-207.53	-352.51	409.06	239.51	0.55	456,634.27	652,608.49	
7,489.00	13.00	257.90	7,451.84	-213.47	-373.10	429.85	240.22	2.23	456,628.33	652,587.90	
7,579.00	12.70	259.40	7,539.58	-217.41	-392.72	448.88	241.03	0.50	456,624.39	652,568.28	
7,669.00	12.10	260.10	7,627.48	-220.85	-411.74	467.23	241.79	0.69	456,620.95	652,549.26	
7,760.00	11.60	260.80	7,716.54	-223.95	-430.16	484.97	242.50	0.57	456,617.85	652,530.84	
7,851.00	11.50	270.30	7,805.71	-225.37	-448.27	501.73	243.31	2.09	456,616.43	652,512.73	
7,942.00	10.90	271.30	7,894.98	-225.13	-465.94	517.48	244.21	0.69	456,616.67	652,495.06	
8,032.00	9.70	271.20	7,983.52	-224.77	-482.03	531.86	245.00	1.33	456,617.03	652,478.97	
8,123.00	9.50	274.40	8,073.25	-224.04	-497.18	545.33	245.74	0.63	456,617.76	652,463.82	
8,214.00	10.00	279.10	8,162.94	-222.21	-512.47	558.57	246.56	1.03	456,619.59	652,448.53	
8,304.00	11.40	279.80	8,251.37	-219.46	-528.95	572.67	247.47	1.56	456,622.34	652,432.05	
8,396.00	11.30	276.20	8,341.57	-216.94	-546.87	588.33	248.36	0.78	456,624.86	652,414.13	
8,487.00	11.50	276.60	8,430.78	-214.94	-564.75	604.27	249.16	0.24	456,626.86	652,396.25	
8,579.00	10.40	273.00	8,521.10	-213.45	-582.15	620.05	249.86	1.41	456,628.35	652,378.85	
8,671.00	9.10	267.50	8,611.77	-213.33	-597.71	634.64	250.36	1.74	456,628.47	652,363.29	
8,763.00	9.50	274.30	8,702.57	-213.08	-612.55	648.55	250.82	1.27	456,628.72	652,348.45	
8,854.00	11.10	276.00	8,792.10	-211.60	-628.75	663.40	251.40	1.79	456,630.20	652,332.25	
8,940.00	11.10	274.50	8,876.49	-210.08	-645.24	678.58	251.97	0.34	456,631.72	652,315.76	
9,033.00	10.20	273.80	8,967.88	-208.84	-662.38	694.52	252.50	0.98	456,632.96	652,298.62	
9,123.00	12.70	272.50	9,056.09	-207.88	-680.22	711.27	253.01	2.79	456,633.92	652,280.78	

Survey Report Landscape

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 701H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 701H	North Reference:	Grid
Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	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)
9,216.00	12.70	270.80	9,146.81	-207.29	-700.65	730.67	253.52	0.40	456,634.51	652,260.35
9,307.00	11.00	268.50	9,235.87	-207.38	-719.34	748.63	253.92	1.94	456,634.42	652,241.66
9,398.00	11.30	267.20	9,325.15	-208.04	-736.92	765.72	254.24	0.43	456,633.76	652,224.08
9,490.00	10.70	278.20	9,415.47	-207.26	-754.38	782.33	254.64	2.37	456,634.54	652,206.62
9,536.00	11.30	296.60	9,460.64	-204.63	-762.64	789.61	254.98	7.71	456,637.17	652,198.36
9,582.00	16.80	297.90	9,505.25	-199.50	-772.55	797.89	255.52	11.98	456,642.30	652,188.45
9,627.00	23.30	301.30	9,547.50	-191.82	-785.92	808.99	256.28	14.67	456,649.98	652,175.08
9,672.00	28.70	302.60	9,587.93	-181.37	-802.64	822.87	257.27	12.07	456,660.43	652,158.36
9,718.00	30.80	312.70	9,627.89	-167.42	-820.61	837.51	258.47	11.80	456,674.38	652,140.39
9,743.00	32.13	317.00	9,649.22	-158.22	-829.85	844.80	259.21	10.44	456,683.58	652,131.15
Wellpath Crosses 200'FSL										
9,763.00	33.30	320.20	9,666.04	-150.11	-836.99	850.35	259.83	10.44	456,691.69	652,124.01
9,808.00	34.60	327.60	9,703.39	-129.82	-851.75	861.59	261.33	9.62	456,711.98	652,109.25
9,853.00	36.70	335.40	9,739.97	-106.79	-864.20	870.78	262.96	11.12	456,735.01	652,096.80
9,898.00	40.40	340.50	9,775.17	-80.81	-874.68	878.40	264.72	10.83	456,760.99	652,086.32
9,944.00	44.40	348.70	9,809.16	-50.94	-882.81	884.28	266.70	14.82	456,790.86	652,078.19
9,991.00	47.60	356.70	9,841.83	-17.45	-887.04	887.21	268.87	14.00	456,824.35	652,073.96
Los Medanos 36-23-30 701H FTP_150FSL_330FWL										
10,036.00	50.50	359.30	9,871.32	16.50	-888.21	888.36	271.06	7.78	456,858.30	652,072.79
10,082.00	52.70	0.80	9,899.89	52.55	-888.17	889.72	273.39	5.42	456,894.35	652,072.83
10,127.00	53.70	1.20	9,926.85	88.58	-887.54	891.95	275.70	2.33	456,930.38	652,073.46
10,172.00	56.50	1.40	9,952.59	125.47	-886.70	895.54	278.05	6.23	456,967.27	652,074.30
10,218.00	60.70	1.80	9,976.55	164.71	-885.60	900.79	280.54	9.16	457,006.51	652,075.40
10,264.00	66.20	0.30	9,997.11	205.83	-884.86	908.49	283.10	12.31	457,047.63	652,076.14
10,310.00	70.70	0.10	10,014.00	248.61	-884.71	918.98	285.70	9.79	457,090.41	652,076.29
10,355.00	77.20	358.00	10,026.44	291.82	-885.44	932.29	288.24	15.12	457,133.62	652,075.56
10,401.00	82.70	359.40	10,034.46	337.09	-886.47	948.39	290.82	12.33	457,178.89	652,074.53

Survey Report Landscape

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 701H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 701H	North Reference:	Grid
Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	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)
10,446.00	88.10	357.40	10,038.07	381.90	-887.72	966.38	293.28	12.79	457,223.70	652,073.28
10,491.00	89.40	357.20	10,039.05	426.84	-889.84	986.92	295.63	2.92	457,268.64	652,071.16
10,530.79	89.75	357.11	10,039.35	466.59	-891.81	1,006.50	297.62	0.90	457,308.39	652,069.19
Los Medanos 36-23-30 701H LP										
10,583.00	90.20	357.00	10,039.37	518.72	-894.49	1,034.02	300.11	0.90	457,360.52	652,066.51
10,674.00	91.00	356.90	10,038.42	609.59	-899.34	1,086.46	304.13	0.89	457,451.39	652,061.66
10,765.00	89.80	359.40	10,037.78	700.53	-902.27	1,142.30	307.83	3.05	457,542.33	652,058.73
10,855.00	90.40	358.90	10,037.63	790.52	-903.61	1,200.60	311.18	0.87	457,632.32	652,057.39
10,946.00	89.90	1.10	10,037.39	881.51	-903.61	1,262.37	314.29	2.48	457,723.31	652,057.39
11,038.00	91.30	1.60	10,036.42	973.48	-901.44	1,326.75	317.20	1.62	457,815.28	652,059.56
11,131.00	92.90	2.30	10,033.02	1,066.36	-898.28	1,394.29	319.89	1.88	457,908.16	652,062.72
11,221.00	91.50	0.50	10,029.56	1,156.26	-896.08	1,462.84	322.22	2.53	457,998.06	652,064.92
11,313.00	89.50	358.90	10,028.76	1,248.25	-896.56	1,536.87	324.31	2.78	458,090.05	652,064.44
11,404.00	90.00	359.40	10,029.16	1,339.24	-897.91	1,612.39	326.16	0.78	458,181.04	652,063.09
11,495.00	88.40	358.80	10,030.43	1,430.21	-899.34	1,689.48	327.84	1.88	458,272.01	652,061.66
11,585.00	89.00	358.60	10,032.47	1,520.17	-901.39	1,767.32	329.33	0.70	458,361.97	652,059.61
11,677.00	89.70	357.90	10,033.51	1,612.12	-904.19	1,848.38	330.71	1.08	458,453.92	652,056.81
11,768.00	90.20	357.90	10,033.59	1,703.06	-907.53	1,929.77	331.95	0.55	458,544.86	652,053.47
11,859.00	88.50	356.50	10,034.62	1,793.94	-911.97	2,012.44	333.05	2.42	458,635.74	652,049.03
11,950.00	89.10	355.80	10,036.53	1,884.71	-918.08	2,096.43	334.03	1.01	458,726.51	652,042.92
12,040.00	89.10	358.70	10,037.94	1,974.59	-922.40	2,179.41	334.96	3.22	458,816.39	652,038.60
12,132.00	90.00	358.70	10,038.67	2,066.56	-924.49	2,263.92	335.90	0.98	458,908.36	652,036.51
12,221.00	90.40	358.70	10,038.35	2,155.53	-926.51	2,346.22	336.74	0.45	458,997.33	652,034.49
12,312.00	90.90	358.10	10,037.32	2,246.49	-929.05	2,431.02	337.53	0.86	459,088.29	652,031.95
12,403.00	89.40	359.70	10,037.08	2,337.47	-930.79	2,515.98	338.29	2.41	459,179.27	652,030.21
12,495.00	89.90	359.40	10,037.65	2,429.46	-931.52	2,601.93	339.02	0.63	459,271.26	652,029.48
12,586.00	90.80	358.70	10,037.09	2,520.45	-933.02	2,687.60	339.69	1.25	459,362.25	652,027.98

Survey Report Landscape

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 701H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 701H	North Reference:	Grid
Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	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)	
12,677.00	90.30	1.40	10,036.22	2,611.44	-932.94	2,773.08	340.34	3.02	459,453.24	652,028.06	
12,768.00	91.30	1.80	10,034.95	2,702.39	-930.40	2,858.07	341.00	1.18	459,544.19	652,030.60	
12,862.00	90.20	0.30	10,033.72	2,796.36	-928.68	2,946.54	341.63	1.98	459,638.16	652,032.32	
12,954.00	90.10	1.50	10,033.47	2,888.35	-927.24	3,033.53	342.20	1.31	459,730.15	652,033.76	
13,045.00	89.90	3.00	10,033.47	2,979.28	-923.66	3,119.17	342.78	1.66	459,821.08	652,037.34	
13,135.00	88.70	2.60	10,034.57	3,069.16	-919.27	3,203.87	343.33	1.41	459,910.96	652,041.73	
13,227.00	89.60	2.70	10,035.94	3,161.05	-915.02	3,290.82	343.86	0.98	460,002.85	652,045.98	
13,319.00	90.50	2.30	10,035.86	3,252.96	-911.00	3,378.12	344.35	1.07	460,094.76	652,050.00	
13,410.00	88.60	0.70	10,036.57	3,343.92	-908.62	3,465.17	344.80	2.73	460,185.72	652,052.38	
13,501.00	89.70	0.20	10,037.92	3,434.91	-907.91	3,552.87	345.19	1.33	460,276.71	652,053.09	
13,591.00	91.20	0.40	10,037.22	3,524.90	-907.43	3,639.83	345.56	1.68	460,366.70	652,053.57	
13,682.00	90.00	0.80	10,036.26	3,615.89	-906.48	3,727.78	345.93	1.39	460,457.69	652,054.52	
13,772.00	90.60	0.50	10,035.79	3,705.88	-905.46	3,814.89	346.27	0.75	460,547.68	652,055.54	
13,865.00	92.40	0.80	10,033.36	3,798.84	-904.41	3,905.01	346.61	1.96	460,640.64	652,056.59	
13,956.00	93.20	0.40	10,028.91	3,889.72	-903.45	3,993.27	346.92	0.98	460,731.52	652,057.55	
14,049.00	91.10	0.10	10,025.42	3,982.65	-903.05	4,083.75	347.22	2.28	460,824.45	652,057.95	
14,140.00	88.80	359.40	10,025.50	4,073.64	-903.45	4,172.62	347.50	2.64	460,915.44	652,057.55	
14,231.00	88.60	359.20	10,027.57	4,164.61	-904.56	4,261.72	347.75	0.31	461,006.41	652,056.44	
14,322.00	89.00	358.70	10,029.47	4,255.58	-906.22	4,351.00	347.98	0.70	461,097.38	652,054.78	
14,413.00	90.40	358.40	10,029.95	4,346.55	-908.53	4,440.48	348.19	1.57	461,188.35	652,052.47	
14,504.00	88.80	358.00	10,030.59	4,437.50	-911.39	4,530.12	348.39	1.81	461,279.30	652,049.61	
14,594.00	89.50	357.80	10,031.92	4,527.42	-914.68	4,618.90	348.58	0.81	461,369.22	652,046.32	
14,683.00	92.00	358.20	10,030.76	4,616.36	-917.79	4,706.71	348.76	2.84	461,458.16	652,043.21	
14,744.00	88.80	357.60	10,030.33	4,677.31	-920.02	4,766.93	348.87	5.34	461,519.11	652,040.98	
14,866.00	87.80	356.60	10,033.95	4,799.09	-926.19	4,887.65	349.08	1.16	461,640.89	652,034.81	
14,893.00	88.01	356.35	10,034.94	4,826.02	-927.85	4,914.41	349.12	1.22	461,667.82	652,033.15	
Wellpath Crosses 100'FNL											

Survey Report Landscape

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 701H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 701H	North Reference:	Grid
Wellbore:	701H L1	Survey Calculation Method:	Minimum Curvature
Design:	701H L1 (AsDrilled)	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)
14,930.00	88.30	356.00	10,036.13	4,862.92	-930.32	4,951.11	349.17	1.22	461,704.72	652,030.68
Los Medanos 36-23-30 701H LTP PBHL_50FNL_330FW										
14,975.00	88.30	356.00	10,037.46	4,907.79	-933.46	4,995.77	349.23	0.00	461,749.59	652,027.54

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,743.00	9,649.22	-158.22	-829.85	Wellpath Crosses 200'FSL
14,893.00	10,034.94	4,826.02	-927.85	Wellpath Crosses 100'FNL

Checked By: _____	Approved By: _____	Date: _____
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