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Form C-102

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

Copy to appropriate

District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

¹ API Number 30-015- 45312		² Pool Code 97944		³ Pool Name WC-015 G-06 S233036D; Bone Spring	
⁴ Property Code 325562		⁵ Property Name LOS MEDANOS 36-23-30 STATE			⁶ Well Number 701H
⁷ OGRID No. 373075		⁸ Operator Name XTO PERMIAN OPERATING, LLC.			⁹ Elevation 3,412'

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
M	36	23 S	30 E		352	SOUTH	1,214	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	23 S	30 E		18	NORTH	321	WEST	EDDY

¹² Dedicated Acres 160	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

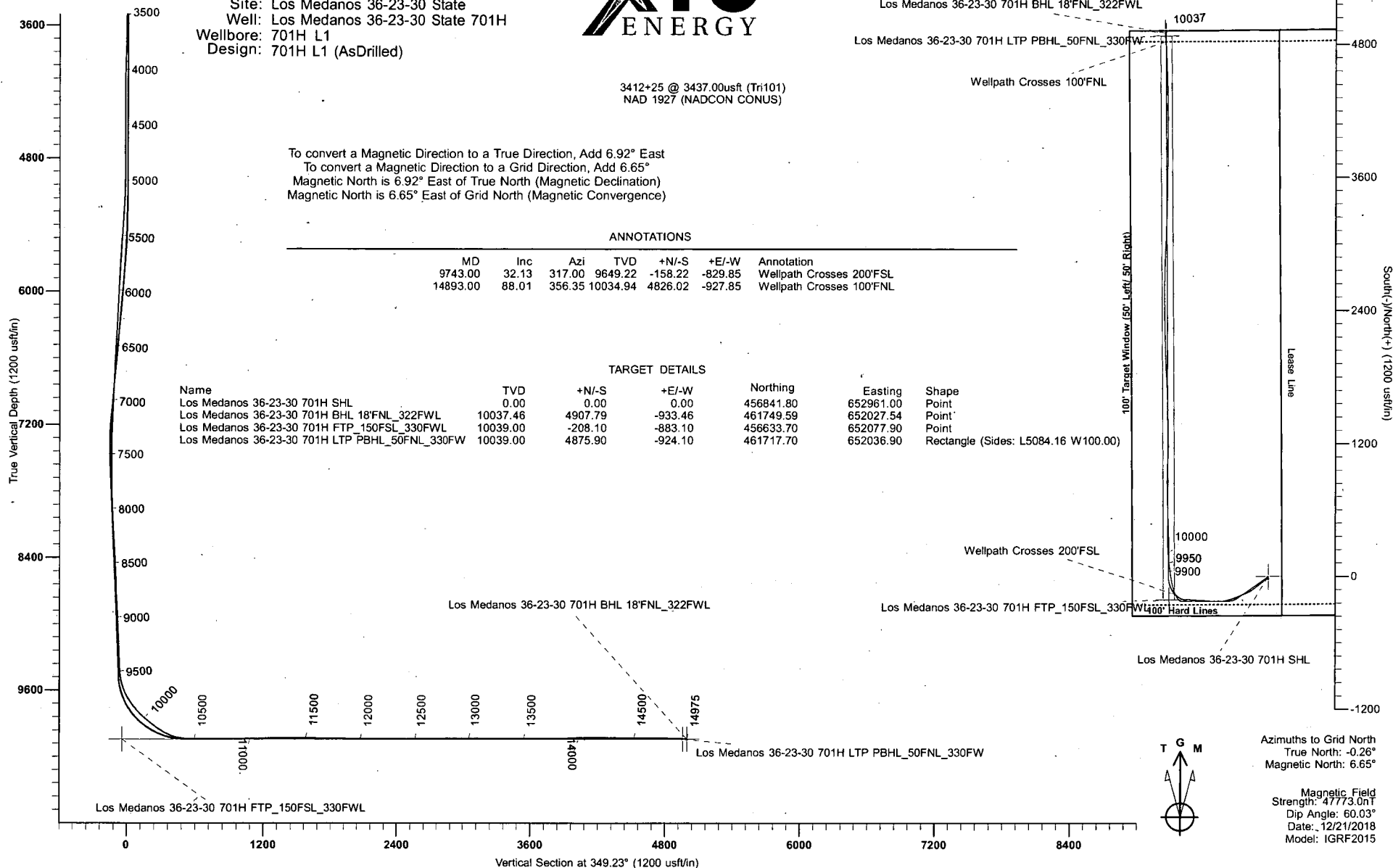
¹⁶ GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 456,901.0 X= 694,144.4 LAT.= 32.255129°N LONG.= 103.839018°W K.O.P. NAD 83 NME Y= 456,693.6 X= 693,391.1 LAT.= 32.254569°N LONG.= 103.841458°W FIRST TAKE POINT NAD 83 NME Y= 457,265.9 X= 693,257.1 LAT.= 32.256143°N LONG.= 103.841883°W LAST TAKE POINT NAD 83 NME Y= 461,666.2 X= 693,219.7 LAT.= 32.268239°N LONG.= 103.841938°W BOTTOM HOLE LOCATION NAD 83 NME Y= 461,808.9 X= 693,210.7 LAT.= 32.268632°N LONG.= 103.841965°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 461,824.6 N, X= 692,889.6 E B - Y= 461,834.5 N, X= 694,232.8 E C - Y= 459,182.9 N, X= 692,914.9 E D - Y= 459,192.9 N, X= 694,253.6 E E - Y= 456,540.4 N, X= 692,932.3 E F - Y= 456,550.3 N, X= 694,270.5 E CORNER COORDINATES TABLE NAD 27 NME A - Y= 461,765.3 N, X= 651,706.4 E B - Y= 461,775.2 N, X= 653,049.6 E C - Y= 459,123.7 N, X= 651,731.6 E D - Y= 459,133.7 N, X= 653,070.3 E E - Y= 456,481.2 N, X= 651,748.9 E F - Y= 456,491.2 N, X= 653,087.1 E		GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 456,841.8 X= 652,961.0 LAT.= 32.255006°N LONG.= 103.838531°W K.O.P. NAD 27 NME Y= 456,634.4 X= 652,207.7 LAT.= 32.254446°N LONG.= 103.840970°W FIRST TAKE POINT NAD 27 NME Y= 457,206.7 X= 652,073.7 LAT.= 32.256020°N LONG.= 103.841395°W LAST TAKE POINT NAD 27 NME Y= 461,606.9 X= 652,036.5 LAT.= 32.268116°N LONG.= 103.841451°W BOTTOM HOLE LOCATION NAD 27 NME Y= 461,749.6 X= 652,027.5 LAT.= 32.268509°N LONG.= 103.841478°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. Signature: <i>Tracie J. Cherry</i> Date: 07/31/19 Tracie J. Cherry, Regulatory Lead Printed Name tracie_cherry@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. 7-31-2019 Date of Survey Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 Certificate Number RR 2018081969						

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 150FSL 330FWL	10039.00	-208.10	-883.10	456633.70	652077.90	Point
Los Medanos 36-23-30 701H LTP PBHL 50FNL 330FW	10039.00	4875.90	-924.10	461717.70	652036.90	Rectangle (Sides: L5084.16 W100.00)



Design: 701H L1 (AsDrilled) (Los Medanos 36-23-30 State 701H/701H L1)
Created By: Mekka Williams
eSomina Well Design
mekka@esominawelldesign.com
12:17, March 07 2019

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:	456,841.80 usft	Latitude:	32.25500606
	+E/-W	0.00 usft	Easting:	652,961.00 usft	Longitude:	-103.83853066
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	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) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	349.23

Survey Report Landscape

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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
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Los Medanos 36-23-30 State
Well: Los Medanos 36-23-30 State 701H
Wellbore: 701H L1
Design: 701H L1 (AsDrilled)

Local Co-ordinate Reference: Well Los Medanos 36-23-30 State 701H
TVD Reference: 3412+25 @ 3437.00usft (Tri101)
MD Reference: 3412+25 @ 3437.00usft (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)	
1,882.00	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
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Los Medanos 36-23-30 State
Well: Los Medanos 36-23-30 State 701H
Wellbore: 701H L1
Design: 701H L1 (AsDrilled)

Local Co-ordinate Reference: Well Los Medanos 36-23-30 State 701H
TVD Reference: 3412+25 @ 3437.00usft (Tri101)
MD Reference: 3412+25 @ 3437.00usft (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)	
4,313.00	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

Company: XTO Energy
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Los Medanos 36-23-30 State
Well: Los Medanos 36-23-30 State 701H
Wellbore: 701H L1
Design: 701H L1 (AsDrilled)

Local Co-ordinate Reference: Well Los Medanos 36-23-30 State 701H
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MD Reference: 3412+25 @ 3437.00usft (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)	
6,760.00	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
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Los Medanos 36-23-30 State
Well: Los Medanos 36-23-30 State 701H
Wellbore: 701H L1
Design: 701H L1 (AsDrilled)

Local Co-ordinate Reference: Well Los Medanos 36-23-30 State 701H
TVD Reference: 3412+25 @ 3437.00usft (Tri101)
MD Reference: 3412+25 @ 3437.00usft (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)
9,216.00	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
Project: Eddy County, NM (NAD27) NMEZ Grid
Site: Los Medanos 36-23-30 State
Well: Los Medanos 36-23-30 State 701H
Wellbore: 701H L1
Design: 701H L1 (AsDrilled)

Local Co-ordinate Reference: Well Los Medanos 36-23-30 State 701H
TVD Reference: 3412+25 @ 3437.00usft (Tri101)
MD Reference: 3412+25 @ 3437.00usft (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)
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 P HL_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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