

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NMOCD-REC'D: 09/01/2020 Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

¹ API Number 30-015 45315	² Pool Code 97944	³ Pool Name Bone Spring
⁴ Property Code 325562	⁵ Property Name LOS MEDANOS 36-23-30	⁶ Well Number 801H
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		321	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		10	NORTH	320	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= 456,870.9 X= 694,144.5 LAT.= 32.255046°N LONG.= 103.839018°W FIRST TAKE POINT NAD 83 NME Y= 457,177.0 X= 693,271.4 LAT.= 32.255899°N LONG.= 103.841838°W LAST TAKE POINT NAD 83 NME Y= 461,524.8 X= 693,202.0 LAT.= 32.267851°N LONG.= 103.841998°W BOTTOM HOLE LOCATION NAD 83 NME Y= 461,816.6 X= 693,209.8 LAT.= 32.268653°N LONG.= 103.841968°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= 456,811.7 X= 652,961.1 LAT.= 32.254923°N LONG.= 103.838531°W FIRST TAKE POINT NAD 27 NME Y= 457,117.8 X= 652,088.0 LAT.= 32.255776°N LONG.= 103.841350°W LAST TAKE POINT NAD 27 NME Y= 461,465.5 X= 652,018.8 LAT.= 32.267728°N LONG.= 103.841510°W BOTTOM HOLE LOCATION NAD 27 NME Y= 461,757.3 X= 652,026.6 LAT.= 32.268530°N LONG.= 103.841480°W Diagram showing well location and acreage dedication plat. The diagram includes sections SEC.25, SEC.35, SEC.36, and SEC.1. It shows the well location, surface location, and bottom hole location. Key points include L.T.P. (Last Take Point) and B.H.L. (Bottom Hole Location). Distances are marked: 320', 309', 330', 343', 1214', 321', 634'. The diagram also shows the well location relative to the surface location and the bottom hole location.	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Cheryl Rowell</i> 6/8/20 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. 07-25-2019 Date of Survey Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 Certificate Number RR 2018081968
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Intent ☐ As Drilled ☒

API # 30-01-45315			
Operator Name: XTO PERMIAN OPERATING, LLC		Property Name: LOS MEDANOS 36-23-30 STATE	Well Number 801H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	36	23S	30E		76	South	468	West	Eddy
Latitude 32.254365					Longitude -103.841432				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	36	23S	30E		633	South	343	West	EDDY
Latitude 32.255896					Longitude 103.841838				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	36	23S	30E		151	North	316	South	EDDY
Latitude 32.268265					Longitude -103.841980				NAD 83

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

Is this well an infill well? ☒

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

API # 30-015-45313			
Operator Name: XTO PERMIAN OPERATING, LLC		Property Name: LOS MEDANOS 36-23-30 STATE	Well Number 702H

KZ 06/29/2018



January 30, 2019

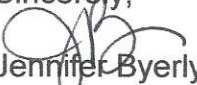
XTO Energy
200 N. Lorraine, Ste 800
Midland, Texas 79707

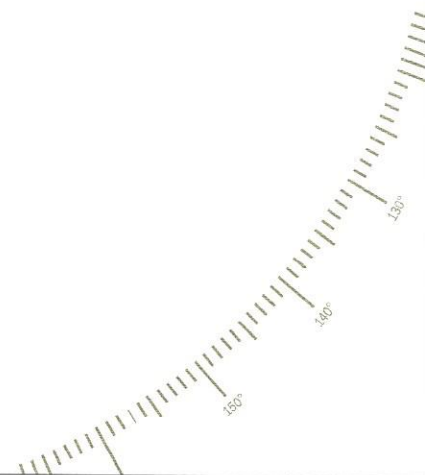
Attn: Drilling Department

Re: **Los Medanos 36-23-30 801H**

Please find enclosed a copy of the survey from 0' to 3680' ran on the above mentioned well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Jennifer Byerly
Operations





Company: XTO ENERGY
Lease/Well: LOS MEDANOS 36-23-30/801H

Rig Name: TRINIDAD 101
State/County: NEW MEXICO/EDDY
VS-Azi: 0.00 Degrees
Latitude: 32.25500, Longitude: -103.83910
Grid North = True North -0.26 degs (NAD 27)
Grid Correction Applied = -0.26 degs



Depth Reference : RKB= 25 feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...danos 36-23-30 #801h-de_01.ut

Minimum Curvature Method

Report Date/Time: 1/30/2019 / 12:50

VES Survey International
Gardendale, TX
817-741-3610

Surveyor: Troy Beard

Los Medanos 36-23-30 801H / 30-015-45315

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.21	210.90	100.00	-0.16	-0.10	-0.16	0.19	210.90	0.21
200.00	0.27	201.30	200.00	-0.54	-0.28	-0.54	0.61	207.17	0.07
300.00	0.41	214.70	300.00	-1.05	-0.57	-1.05	1.20	208.26	0.16
400.00	0.45	223.41	399.99	-1.63	-1.04	-1.63	1.93	212.48	0.07
500.00	0.84	212.81	499.99	-2.53	-1.70	-2.53	3.05	213.94	0.41
600.00	0.66	228.50	599.98	-3.53	-2.53	-3.53	4.34	215.66	0.27
700.00	1.06	220.91	699.97	-4.61	-3.57	-4.61	5.83	217.75	0.41
800.00	1.36	222.86	799.95	-6.17	-4.98	-6.17	7.93	218.88	0.30
900.00	1.27	235.15	899.92	-7.67	-6.69	-7.67	10.18	221.09	0.29
1000.00	1.55	226.57	999.89	-9.23	-8.58	-9.23	12.61	222.90	0.35
1100.00	1.25	223.70	1099.86	-10.95	-10.32	-10.95	15.05	223.29	0.30
1200.00	0.49	210.02	1199.85	-12.12	-11.29	-12.12	16.56	222.97	0.78
1300.00	0.42	234.31	1299.84	-12.70	-11.80	-12.70	17.33	222.89	0.21
1400.00	0.26	254.96	1399.84	-12.97	-12.31	-12.97	17.88	223.50	0.20
1500.00	0.33	246.50	1499.84	-13.14	-12.79	-13.14	18.34	224.23	0.09
1600.00	0.25	245.59	1599.84	-13.35	-13.26	-13.35	18.81	224.80	0.09

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1700.00	0.19	230.62	1699.84	-13.54	-13.58	-13.54	19.18	225.08	0.08
1800.00	0.44	242.93	1799.84	-13.82	-14.05	-13.82	19.70	225.47	0.26
1900.00	0.45	239.96	1899.83	-14.19	-14.73	-14.19	20.45	226.06	0.03
2000.00	0.46	257.47	1999.83	-14.47	-15.46	-14.47	21.18	226.88	0.14
2100.00	0.52	260.37	2099.83	-14.64	-16.30	-14.64	21.91	228.08	0.07
2200.00	0.71	263.03	2199.82	-14.79	-17.36	-14.79	22.80	229.57	0.19
2300.00	0.51	268.29	2299.82	-14.88	-18.42	-14.88	23.68	231.07	0.20
2400.00	0.58	270.07	2399.81	-14.89	-19.37	-14.89	24.43	232.45	0.06
2500.00	0.86	262.05	2499.80	-14.99	-20.62	-14.99	25.49	233.98	0.30
2600.00	0.86	270.33	2599.79	-15.09	-22.11	-15.09	26.77	235.69	0.12
2700.00	0.78	271.66	2699.78	-15.07	-23.54	-15.07	27.95	237.38	0.09
2800.00	0.88	267.52	2799.77	-15.08	-24.98	-15.08	29.18	238.88	0.12
2900.00	1.04	274.14	2899.76	-15.05	-26.65	-15.05	30.61	240.55	0.20
3000.00	1.34	267.01	2999.74	-15.04	-28.73	-15.04	32.43	242.36	0.33
3100.00	1.15	281.64	3099.71	-14.90	-30.87	-14.90	34.28	244.23	0.37
3200.00	1.48	274.97	3199.69	-14.59	-33.14	-14.59	36.21	246.24	0.37
3300.00	1.41	270.33	3299.65	-14.47	-35.66	-14.47	38.49	247.92	0.14
3400.00	1.09	251.87	3399.63	-14.76	-37.80	-14.76	40.58	248.67	0.51
3500.00	0.91	241.15	3499.62	-15.44	-39.40	-15.44	42.31	248.60	0.26
3600.00	1.03	224.95	3599.60	-16.45	-40.72	-16.45	43.92	248.00	0.30
3680.00	1.32	217.50	3679.58	-17.69	-41.79	-17.69	45.38	247.05	0.41



May 21, 2019

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

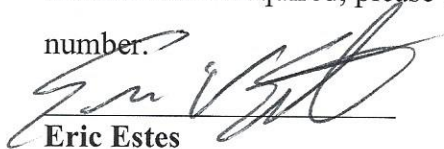
Attn: Joe Stanley

Re: XTO Energy Inc.
Los Medanos 36 23 30 State #801H
Bone Spring
Eddy County, New Mexico
API# 30-015-45315

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>
Clifford Bray	Original Hole	3,948ft. to 15,455ft.	01-19-19 to 02-10-19	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: Joe Stanley
6401 Holiday Hill Rd. #5
Midland, Texas 79707

RRCL\XTO Energy Inc.\Los Medanos 36 23 30 State #801H\M191008

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



May 21, 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 January 19, 2019 through February 10, 2019, conduct or supervise the taking of a SEDS MWD Original Hole Survey from a depth of 3,948feet to a depth of 15,455feet; 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 #801H well, API #30-015-45315 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", 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

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
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 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H 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	Latitude:	32.25508879
From:	Map	Easting:	652,961.40 usft	Longitude:	-103.83852892
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.26 °

Well	Los Medanos 36-23-30 State 801H					
Well Position	+N/-S	0.00 usft	Northing:	456,811.70 usft	Latitude:	32.25492331
	+E/-W	0.00 usft	Easting:	652,961.10 usft	Longitude:	-103.83853078
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,412.00 usft

Wellbore	801H L1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/21/18	6.92	60.03	47,772.91420147

Design	801H 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	349.30	

Survey Program	Date	02/12/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	3,680.00	Survey #2 (801H L1)	Gyrodata New 2-16-16	Gyrodata Stationary Tool drop on BHA	
3,948.00	15,455.00	Survey #3 (801H L1)	MWD	OWSG MWD - Standard	
15,500.00	15,500.00	Survey #4 (801H L1)	Projection	Projection	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Los Medanos 36-23-30 801H SHL										
100.00	0.21	210.90	100.00	-0.16	-0.09	-0.14	0.21	0.21	0.00	
200.00	0.27	201.30	200.00	-0.53	-0.27	-0.47	0.07	0.06	-9.60	
300.00	0.41	214.70	300.00	-1.05	-0.56	-0.92	0.16	0.14	13.40	
400.00	0.45	223.41	399.99	-1.63	-1.04	-1.41	0.08	0.04	8.71	
500.00	0.84	212.81	499.99	-2.53	-1.70	-2.17	0.41	0.39	-10.60	
600.00	0.66	228.50	599.98	-3.53	-2.53	-2.99	0.27	-0.18	15.69	
700.00	1.06	220.91	699.97	-4.61	-3.57	-3.86	0.42	0.40	-7.59	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
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 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
800.00	1.36	222.86	799.95	-6.18	-4.98	-5.14	0.30	0.30	1.95	
900.00	1.27	235.15	899.92	-7.68	-6.70	-6.30	0.30	-0.09	12.29	
1,000.00	1.55	226.57	999.89	-9.24	-8.59	-7.49	0.35	0.28	-8.58	
1,100.00	1.25	223.70	1,099.86	-10.96	-10.33	-8.85	0.31	-0.30	-2.87	
1,200.00	0.49	210.02	1,199.85	-12.12	-11.29	-9.81	0.78	-0.76	-13.68	
1,300.00	0.42	234.31	1,299.84	-12.70	-11.81	-10.29	0.20	-0.07	24.29	
1,400.00	0.26	254.96	1,399.84	-12.98	-12.32	-10.46	0.20	-0.16	20.65	
1,500.00	0.33	246.50	1,499.84	-13.15	-12.81	-10.54	0.08	0.07	-8.46	
1,600.00	0.25	245.59	1,599.84	-13.35	-13.27	-10.66	0.08	-0.08	-0.91	
1,700.00	0.19	230.62	1,699.84	-13.55	-13.60	-10.79	0.08	-0.06	-14.97	
1,800.00	0.44	242.93	1,799.84	-13.83	-14.07	-10.98	0.26	0.25	12.31	
1,900.00	0.45	239.96	1,899.83	-14.20	-14.75	-11.22	0.03	0.01	-2.97	
2,000.00	0.46	257.47	1,999.83	-14.48	-15.48	-11.36	0.14	0.01	17.51	
2,100.00	0.52	260.37	2,099.83	-14.65	-16.32	-11.36	0.06	0.06	2.90	
2,200.00	0.71	263.03	2,199.82	-14.80	-17.38	-11.31	0.19	0.19	2.66	
2,300.00	0.51	268.29	2,299.82	-14.89	-18.44	-11.20	0.21	-0.20	5.26	
2,400.00	0.58	270.07	2,399.81	-14.90	-19.39	-11.04	0.07	0.07	1.78	
2,500.00	0.86	262.05	2,499.80	-15.00	-20.64	-10.91	0.30	0.28	-8.02	
2,600.00	0.86	270.33	2,599.79	-15.10	-22.13	-10.73	0.12	0.00	8.28	
2,700.00	0.78	271.66	2,699.78	-15.08	-23.57	-10.44	0.08	-0.08	1.33	
2,800.00	0.88	267.52	2,799.77	-15.09	-25.01	-10.19	0.12	0.10	-4.14	
2,900.00	1.04	274.14	2,899.76	-15.06	-26.69	-9.84	0.19	0.16	6.62	
3,000.00	1.34	267.01	2,999.74	-15.06	-28.76	-9.45	0.33	0.30	-7.13	
3,100.00	1.15	281.64	3,099.71	-14.91	-30.91	-8.92	0.37	-0.19	14.63	
3,200.00	1.48	274.97	3,199.69	-14.60	-33.18	-8.19	0.36	0.33	-6.67	
3,300.00	1.41	270.33	3,299.65	-14.48	-35.69	-7.60	0.14	-0.07	-4.64	
3,400.00	1.09	251.87	3,399.63	-14.77	-37.83	-7.49	0.51	-0.32	-18.46	
3,500.00	0.91	241.15	3,499.62	-15.45	-39.43	-7.86	0.26	-0.18	-10.72	
3,600.00	1.03	224.95	3,599.60	-16.47	-40.76	-8.61	0.30	0.12	-16.20	
3,680.00	1.32	217.50	3,679.58	-17.71	-41.83	-9.63	0.41	0.36	-9.31	
3,948.00	2.20	188.20	3,947.46	-25.25	-44.44	-16.56	0.46	0.33	-10.93	
First Stryker Survey										
4,039.00	1.90	188.50	4,038.40	-28.47	-44.91	-19.64	0.33	-0.33	0.33	
4,130.00	2.20	198.90	4,129.34	-31.61	-45.70	-22.58	0.52	0.33	11.43	
4,221.00	2.70	209.40	4,220.26	-35.13	-47.32	-25.74	0.74	0.55	11.54	
4,309.00	3.60	217.10	4,308.13	-39.14	-50.00	-29.18	1.13	1.02	8.75	
4,400.00	5.10	221.40	4,398.86	-44.46	-54.40	-33.58	1.69	1.65	4.73	
4,491.00	5.90	224.40	4,489.44	-50.83	-60.35	-38.74	0.93	0.88	3.30	
4,583.00	6.00	224.60	4,580.95	-57.63	-67.03	-44.19	0.11	0.11	0.22	
4,674.00	5.90	224.10	4,671.46	-64.38	-73.63	-49.59	0.12	-0.11	-0.55	
4,763.00	5.90	223.70	4,759.99	-70.97	-79.97	-54.89	0.05	0.00	-0.45	
4,855.00	5.80	223.90	4,851.51	-77.74	-86.46	-60.33	0.11	-0.11	0.22	
4,946.00	5.50	224.50	4,942.07	-84.16	-92.71	-65.49	0.34	-0.33	0.66	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tr101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tr101)
Well:	Los Medanos 36-23-30 State 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,037.00	5.00	223.00	5,032.68	-90.17	-98.47	-70.32	0.57	-0.55	-1.65	
5,128.00	4.70	223.40	5,123.36	-95.78	-103.73	-74.86	0.33	-0.33	0.44	
5,217.00	5.50	232.60	5,212.01	-101.02	-109.63	-78.91	1.28	0.90	10.34	
5,307.00	6.50	235.50	5,301.51	-106.53	-117.25	-82.91	1.16	1.11	3.22	
5,399.00	7.40	237.80	5,392.83	-112.63	-126.56	-87.18	1.02	0.98	2.50	
5,490.00	7.50	239.70	5,483.07	-118.75	-136.64	-91.32	0.29	0.11	2.09	
5,580.00	6.90	241.10	5,572.36	-124.33	-146.45	-94.98	0.69	-0.67	1.56	
5,670.00	6.70	241.80	5,661.72	-129.42	-155.81	-98.24	0.24	-0.22	0.78	
5,759.00	7.00	241.20	5,750.09	-134.49	-165.14	-101.49	0.35	0.34	-0.67	
5,849.00	7.70	235.30	5,839.35	-140.56	-174.90	-105.65	1.14	0.78	-6.56	
5,940.00	7.60	234.50	5,929.54	-147.53	-184.81	-110.65	0.16	-0.11	-0.88	
6,030.00	7.40	234.60	6,018.77	-154.34	-194.38	-115.57	0.22	-0.22	0.11	
6,120.00	7.20	234.60	6,108.04	-160.97	-203.70	-120.35	0.22	-0.22	0.00	
6,212.00	9.00	233.80	6,199.12	-168.56	-214.21	-125.85	1.96	1.96	-0.87	
6,301.00	9.30	234.60	6,286.99	-176.83	-225.69	-131.86	0.37	0.34	0.90	
6,394.00	8.70	235.30	6,378.84	-185.19	-237.60	-137.86	0.66	-0.65	0.75	
6,485.00	8.10	229.20	6,468.87	-193.30	-248.11	-143.87	1.18	-0.66	-6.70	
6,576.00	9.00	232.40	6,558.85	-201.83	-258.60	-150.31	1.12	0.99	3.52	
6,667.00	9.90	232.10	6,648.62	-210.98	-270.41	-157.10	0.99	0.99	-0.33	
6,758.00	9.80	234.10	6,738.28	-220.33	-282.86	-163.98	0.39	-0.11	2.20	
6,849.00	9.60	233.20	6,827.98	-229.41	-295.21	-170.61	0.28	-0.22	-0.99	
6,939.00	9.00	233.80	6,916.79	-238.07	-306.90	-176.95	0.68	-0.67	0.67	
7,031.00	9.30	239.00	7,007.62	-246.14	-319.08	-182.62	0.96	0.33	5.65	
7,120.00	9.00	243.10	7,095.49	-253.00	-331.45	-187.06	0.81	-0.34	4.61	
7,212.00	9.20	253.50	7,186.34	-258.34	-344.92	-189.81	1.80	0.22	11.30	
7,304.00	9.10	254.20	7,277.17	-262.41	-358.97	-191.20	0.16	-0.11	0.76	
7,396.00	8.50	259.50	7,368.09	-265.63	-372.66	-191.82	1.10	-0.65	5.76	
7,487.00	8.70	272.10	7,458.07	-266.61	-386.15	-190.27	2.08	0.22	13.85	
7,578.00	8.70	274.90	7,548.03	-265.77	-399.89	-186.90	0.47	0.00	3.08	
7,668.00	8.00	274.60	7,637.07	-264.68	-412.91	-183.42	0.78	-0.78	-0.33	
7,759.00	9.00	272.50	7,727.07	-263.86	-426.33	-180.12	1.15	1.10	-2.31	
7,850.00	8.70	270.40	7,816.99	-263.51	-440.33	-177.17	0.48	-0.33	-2.31	
7,939.00	7.80	269.90	7,905.07	-263.47	-453.10	-174.76	1.01	-1.01	-0.56	
8,030.00	7.30	267.10	7,995.28	-263.77	-465.05	-172.84	0.68	-0.55	-3.08	
8,121.00	7.80	266.90	8,085.49	-264.40	-476.99	-171.24	0.55	0.55	-0.22	
8,211.00	8.30	271.10	8,174.60	-264.60	-489.58	-169.10	0.86	0.56	4.67	
8,303.00	9.30	276.00	8,265.52	-263.70	-503.61	-165.61	1.36	1.09	5.33	
8,394.00	9.10	272.00	8,355.35	-262.68	-518.12	-161.91	0.74	-0.22	-4.40	
8,486.00	7.80	272.00	8,446.35	-262.21	-531.63	-158.94	1.41	-1.41	0.00	
8,578.00	6.10	277.30	8,537.67	-261.37	-542.72	-156.06	1.97	-1.85	5.76	
8,670.00	7.40	279.30	8,629.03	-259.79	-553.41	-152.52	1.44	1.41	2.17	
8,761.00	7.90	280.00	8,719.22	-257.76	-565.35	-148.31	0.56	0.55	0.77	
8,852.00	7.40	274.50	8,809.41	-256.21	-577.36	-144.56	0.97	-0.55	-6.04	
8,943.00	7.90	269.40	8,899.60	-255.82	-589.45	-141.93	0.93	0.55	-5.60	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
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 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,033.00	9.40	268.30	8,988.58	-256.10	-602.98	-139.69	1.68	1.67	-1.22
9,124.00	9.50	269.80	9,078.34	-256.35	-617.92	-137.16	0.29	0.11	1.65
9,215.00	8.50	269.80	9,168.22	-256.40	-632.16	-134.57	1.10	-1.10	0.00
9,305.00	8.40	270.80	9,257.24	-256.33	-645.38	-132.04	0.20	-0.11	1.11
9,397.00	8.60	269.50	9,348.23	-256.29	-658.98	-129.49	0.30	0.22	-1.41
9,488.00	9.50	272.40	9,438.10	-256.04	-673.29	-126.58	1.11	0.99	3.19
9,580.00	9.00	274.00	9,528.90	-255.22	-688.05	-123.03	0.61	-0.54	1.74
9,672.00	10.00	275.10	9,619.64	-254.01	-703.18	-119.03	1.10	1.09	1.20
9,763.00	9.60	274.50	9,709.31	-252.71	-718.62	-114.89	0.45	-0.44	-0.66
9,855.00	8.30	272.30	9,800.19	-251.84	-732.90	-111.39	1.46	-1.41	-2.39
9,939.00	8.00	273.30	9,883.34	-251.26	-744.80	-108.61	0.39	-0.36	1.19
9,985.00	12.80	298.30	9,928.59	-248.66	-752.49	-104.62	14.10	10.43	54.35
10,031.00	18.50	311.40	9,972.88	-241.41	-762.46	-95.65	14.51	12.39	28.48
10,077.00	22.90	317.70	10,015.91	-229.96	-773.96	-82.26	10.71	9.57	13.70
10,086.00	23.23	319.82	10,024.19	-227.30	-776.29	-79.22	9.91	3.64	23.54
Wellpath Crosses FTP									
10,122.00	24.80	327.70	10,057.08	-215.50	-784.90	-66.02	9.91	4.37	21.89
10,167.00	25.10	328.60	10,097.88	-199.37	-794.92	-48.31	1.08	0.67	2.00
10,213.00	26.50	331.80	10,139.30	-182.00	-804.85	-29.40	4.29	3.04	6.96
10,259.00	30.50	335.40	10,179.72	-162.33	-814.57	-8.27	9.46	8.70	7.83
10,305.00	33.50	336.30	10,218.72	-140.09	-824.53	15.44	6.60	6.52	1.96
10,350.00	37.20	340.90	10,255.43	-115.85	-833.98	41.01	10.12	8.22	10.22
10,396.00	40.70	345.60	10,291.20	-88.17	-842.26	69.75	9.95	7.61	10.22
10,441.00	43.20	346.50	10,324.67	-58.97	-849.51	99.78	5.71	5.56	2.00
10,454.83	44.03	346.91	10,334.68	-49.69	-851.70	109.31	6.33	5.99	2.99
Los Medanos 36-23-30 801H FTP_100FSL_330FWL									
10,486.00	45.90	347.80	10,356.74	-28.20	-856.52	131.32	6.33	6.01	2.85
10,532.00	50.70	350.80	10,387.33	5.54	-862.86	165.65	11.51	10.43	6.52
10,578.00	57.50	355.30	10,414.30	42.50	-867.30	202.79	16.77	14.78	9.78
10,623.00	63.60	357.20	10,436.41	81.58	-869.85	241.66	14.04	13.56	4.22
10,669.00	68.00	357.90	10,455.27	123.49	-871.63	283.18	9.67	9.57	1.52
10,714.00	72.30	359.40	10,470.54	165.79	-872.62	324.93	10.06	9.56	3.33
10,760.00	76.70	0.10	10,482.83	210.11	-872.81	368.51	9.68	9.57	1.52
10,805.00	81.80	359.80	10,491.22	254.30	-872.85	411.94	11.35	11.33	-0.67
10,849.39	87.62	359.90	10,495.31	298.49	-872.97	455.38	13.11	13.11	0.22
Los Medanos 36-23-30 801H LP									
10,850.00	87.70	359.90	10,495.34	299.09	-872.97	455.98	13.11	13.11	0.22
10,896.00	90.00	359.50	10,496.26	345.08	-873.21	501.21	5.08	5.00	-0.87
10,940.00	90.60	359.30	10,496.03	389.08	-873.67	544.53	1.44	1.36	-0.45
11,032.00	91.80	359.00	10,494.11	481.05	-875.04	635.15	1.34	1.30	-0.33
11,125.00	89.90	0.30	10,492.73	574.03	-875.60	726.62	2.48	-2.04	1.40
11,204.00	90.20	359.60	10,492.66	653.03	-875.67	804.26	0.96	0.38	-0.89
11,313.00	91.70	359.30	10,490.85	762.00	-876.72	911.53	1.40	1.38	-0.28
11,405.00	90.20	359.40	10,489.32	853.98	-877.76	1,002.11	1.63	-1.63	0.11

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
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 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,496.00	88.60	359.90	10,490.28	944.97	-878.32	1,091.62	1.84	-1.76	0.55
11,586.00	90.00	359.40	10,491.38	1,034.96	-878.87	1,180.14	1.65	1.56	-0.56
11,678.00	89.30	0.80	10,491.94	1,126.96	-878.71	1,270.51	1.70	-0.76	1.52
11,769.00	90.20	0.90	10,492.34	1,217.95	-877.36	1,359.67	1.00	0.99	0.11
11,860.00	88.80	0.80	10,493.13	1,308.93	-876.01	1,448.82	1.54	-1.54	-0.11
11,951.00	88.10	0.90	10,495.59	1,399.89	-874.66	1,537.94	0.78	-0.77	0.11
12,041.00	87.80	359.40	10,498.81	1,489.82	-874.42	1,626.27	1.70	-0.33	-1.67
12,132.00	86.80	358.20	10,503.10	1,580.70	-876.33	1,715.92	1.72	-1.10	-1.32
12,222.00	87.40	357.90	10,507.65	1,670.53	-879.39	1,804.76	0.75	0.67	-0.33
12,313.00	89.40	357.20	10,510.19	1,761.41	-883.27	1,894.78	2.33	2.20	-0.77
12,404.00	92.40	357.10	10,508.76	1,852.28	-887.80	1,984.90	3.30	3.30	-0.11
12,495.00	93.70	358.70	10,503.92	1,943.08	-891.13	2,074.75	2.26	1.43	1.76
12,586.00	90.70	357.60	10,500.43	2,033.95	-894.06	2,164.59	3.51	-3.30	-1.21
12,678.00	88.10	357.50	10,501.39	2,125.86	-898.00	2,255.62	2.83	-2.83	-0.11
12,769.00	88.00	357.20	10,504.49	2,216.71	-902.20	2,345.67	0.35	-0.11	-0.33
12,863.00	88.00	357.20	10,507.77	2,310.54	-906.79	2,438.73	0.00	0.00	0.00
12,955.00	91.50	358.50	10,508.17	2,402.46	-910.24	2,529.69	4.06	3.80	1.41
13,045.00	89.30	357.70	10,507.54	2,492.40	-913.22	2,618.62	2.60	-2.44	-0.89
13,136.00	92.20	359.30	10,506.35	2,583.35	-915.61	2,708.43	3.64	3.19	1.76
13,227.00	93.30	359.50	10,501.98	2,674.23	-916.56	2,797.91	1.23	1.21	0.22
13,319.00	92.00	0.80	10,497.73	2,766.13	-916.32	2,888.17	2.00	-1.41	1.41
13,410.00	93.90	1.20	10,493.05	2,856.99	-914.73	2,977.15	2.13	2.09	0.44
13,502.00	90.00	358.70	10,489.92	2,948.92	-914.81	3,067.49	5.03	-4.24	-2.72
13,592.00	89.50	357.70	10,490.31	3,038.87	-917.64	3,156.41	1.24	-0.56	-1.11
13,682.00	88.50	357.80	10,491.88	3,128.78	-921.17	3,245.42	1.12	-1.11	0.11
13,773.00	88.30	358.20	10,494.42	3,219.69	-924.35	3,335.33	0.49	-0.22	0.44
13,865.00	90.20	359.60	10,495.63	3,311.66	-926.11	3,426.03	2.57	2.07	1.52
13,957.00	89.90	357.90	10,495.55	3,403.64	-928.12	3,516.78	1.88	-0.33	-1.85
14,049.00	91.10	357.60	10,494.74	3,495.56	-931.73	3,607.77	1.34	1.30	-0.33
14,140.00	90.30	357.80	10,493.63	3,586.48	-935.38	3,697.79	0.91	-0.88	0.22
14,230.00	91.30	359.10	10,492.37	3,676.43	-937.82	3,786.63	1.82	1.11	1.44
14,322.00	91.60	358.00	10,490.05	3,768.37	-940.15	3,877.41	1.24	0.33	-1.20
14,413.00	89.60	357.30	10,489.09	3,859.29	-943.88	3,967.43	2.33	-2.20	-0.77
14,504.00	88.70	357.20	10,490.44	3,950.17	-948.24	4,057.55	1.00	-0.99	-0.11
14,594.00	89.40	358.30	10,491.94	4,040.09	-951.77	4,146.56	1.45	0.78	1.22
14,683.00	89.70	0.10	10,492.63	4,129.07	-953.02	4,234.22	2.05	0.34	2.02
14,774.00	90.90	0.70	10,492.16	4,220.07	-952.38	4,323.52	1.47	1.32	0.66
14,866.00	92.30	0.50	10,489.59	4,312.02	-951.42	4,413.70	1.54	1.52	-0.22
14,957.00	92.00	1.40	10,486.18	4,402.95	-949.91	4,502.76	1.04	-0.33	0.99
15,048.00	91.00	1.20	10,483.79	4,493.89	-947.85	4,591.74	1.12	-1.10	-0.22
15,140.00	89.50	2.40	10,483.39	4,585.84	-944.96	4,681.55	2.09	-1.63	1.30
15,231.00	88.90	2.10	10,484.66	4,676.76	-941.39	4,770.23	0.74	-0.66	-0.33
15,321.00	90.90	1.70	10,484.82	4,766.71	-938.40	4,858.06	2.27	2.22	-0.44

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
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 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
15,410.32	91.59	1.31	10,482.88	4,855.97	-936.06	4,945.34	0.89	0.77	-0.44	
Los Medanos 36-23-30 801H LTP_100FNL_330FW										
15,411.00	91.59	1.30	10,482.86	4,856.65	-936.04	4,946.00	0.89	0.77	-0.44	
Wellpath Crosses LTP										
15,412.00	91.60	1.30	10,482.83	4,857.65	-936.02	4,946.98	0.89	0.77	-0.44	
15,455.00	92.00	0.90	10,481.48	4,900.62	-935.20	4,989.05	1.32	0.93	-0.93	
Los Medanos 36-23-30 801H PBHL_50FNL_330FWL										
15,500.00	92.00	0.90	10,479.91	4,945.59	-934.49	5,033.10	0.00	0.00	0.00	
TD @ 25'FNL,320'FWL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Los Medanos 36-23-30 { - hit/miss target - Shape - Point	0.00	0.00	0.00	0.00	0.00	456,811.70	652,961.10	32.25492331	-103.83853078	
Los Medanos 36-23-30 { - actual wellpath hits target center - Point	0.00	0.01	10,479.91	4,945.59	-934.49	461,757.29	652,026.61	32.26852993	-103.84148029	
Los Medanos 36-23-30 { - actual wellpath misses target center by 244.48usft at 10454.83usft MD (10334.68 TVD, -49.69 N, -851.70 E) - Point	0.00	0.00	10,499.00	-228.00	-882.90	456,583.70	652,078.20	32.25430772	-103.84139010	
Los Medanos 36-23-30 { - actual wellpath misses target center by 14.64usft at 10849.39usft MD (10495.31 TVD, 298.49 N, -872.97 E) - Point	0.00	0.00	10,499.00	298.11	-887.13	457,109.81	652,073.97	32.25575398	-103.84139598	
Los Medanos 36-23-30 { - actual wellpath misses target center by 21.37usft at 15455.00usft MD (10481.48 TVD, 4900.62 N, -935.20 E) - Rectangle (sides W100.00 H5,134.00 D0.00)	0.00	0.01	10,499.00	4,906.00	-924.20	461,717.70	652,036.90	32.26842097	-103.84144759	
Los Medanos 36-23-30 { - actual wellpath misses target center by 20.31usft at 15410.32usft MD (10482.88 TVD, 4855.97 N, -936.06 E) - Point	0.00	0.01	10,499.00	4,856.00	-923.70	461,667.70	652,037.40	32.26828352	-103.84144671	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
3,948.00	3,947.46	-25.25	-44.44	First Stryker Survey	
10,086.00	10,024.19	-227.30	-776.29	Wellpath Crosses FTP	
15,411.00	10,482.86	4,856.65	-936.04	Wellpath Crosses LTP	
15,500.00	10,479.91	4,945.59	-934.49	TD @ 25'FNL,320'FWL	