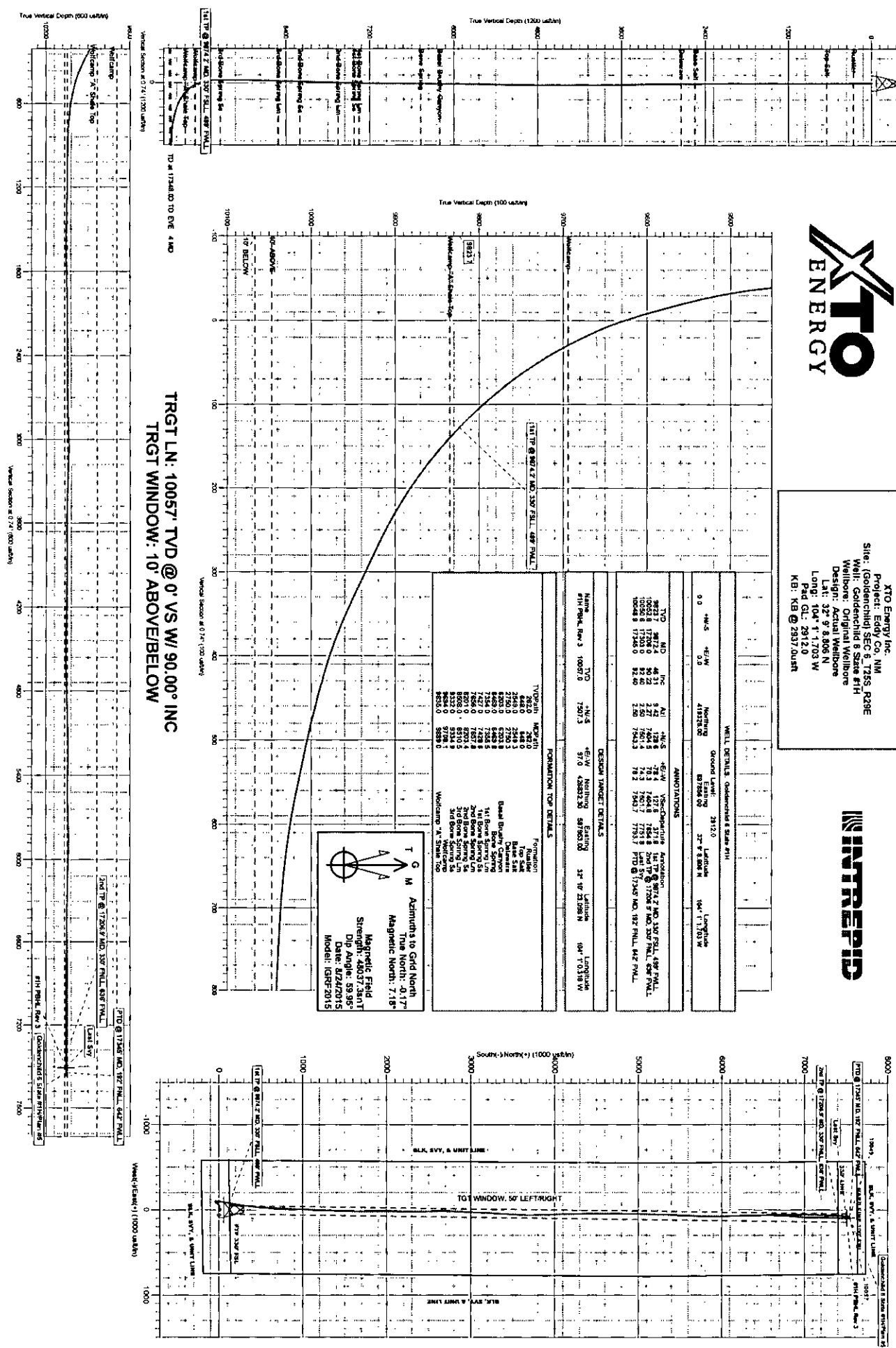






XTO Energy Inc.

Eddy Co, NM

(Goldenchild) SEC 6_T25S_R29E

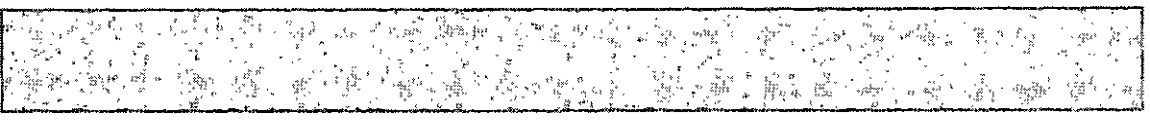
Goldenchild 6 State #1H

Original Wellbore

Design: Actual Wellbore

Custom Survey Report

04 October, 2015





Custom Survey Report

Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well Goldenchild 6 State #1H
Project:	Eddy Co. NM	TVD Reference:	KB @ 2937.0usft
Site:	(Goldenchild) SEC 6 T25S_R29E	MD Reference:	KB @ 2937.0usft
Well:	Goldenchild 6 State #1H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Actual Wellbore	Database:	EDM 5000.1 Single User Db

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

Site	(Goldenchild) SEC 6 T25S R29E		
Site Position:		Northings:	419,325.00 usft
From:	Map	Easting:	597,856.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 8.806 N
		Longitude:	104° 1' 1.703 W
		Grid Convergence:	0.17 °

Well	Goldenchild 6 State #1H		
Well Position	+N/-S 0.0 usft	Northings:	419,325.00 usft
	+E/-W 0.0 usft	Easting:	597,856.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 9' 8.806 N
		Longitude:	104° 1' 1.703 W
		Ground Level:	2,912.0 usft

Wellbore	Original Wellbore		
Magnetics	Model Name	Sample Date	Field Strength (nT)
	IGRF2015	8/24/2015	48,037
		7.35	59.95

Design	Actual Wellbore		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	Direction (°)
	0.0	0.0	0.74
		+E/-W (usft)	
		0.0	



Custom Survey Report



Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well Goldenchild 6 State #1H
Project:	Eddy Co, NM	TVD Reference:	KB @ 2937.0usft
Site:	(Goldenchild) SEC 6, T25S, R29E	MD Reference:	KB @ 2937.0usft
Well:	Goldenchild 6 State #1H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Actual Wellbore	Database:	EDM 5000.1 Single User Db

Survey Program			Date	10/4/2015
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	8,227.0	MS Gyro (Original Wellbore)	GYRO-NS	Gyrocompass Gyro
8,320.0	17,345.0	Intrepid MWD (Original Wellbore)	MWD	MWD - Standard

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	EW (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	D Leg (°/100usft)
	0.0	0.00	0.00	0.00	0.0	0.0	0.0	419,325.00	597,856.00	0.0	0.00
	100.0	0.16	96.72	100.0	100.0	0.0	0.0	419,324.98	597,856.14	0.0	0.16
	200.0	0.64	16.52	100.0	200.0	0.5	0.5	419,325.50	597,856.44	0.5	0.63
	262.0	0.55	15.79	62.0	262.0	1.1	1.1	419,326.12	597,856.62	1.1	0.15
Rustler	300.0	0.49	15.20	38.0	300.0	1.5	1.5	419,326.45	597,856.71	1.5	0.15
	400.0	0.11	102.88	100.0	400.0	1.8	1.8	419,326.84	597,856.91	1.9	0.50
	500.0	0.03	31.19	100.0	500.0	1.8	1.8	419,326.84	597,857.02	1.9	0.10
	600.0	0.06	316.23	100.0	600.0	1.9	1.9	419,326.90	597,857.00	1.9	0.06
	648.0	0.08	306.21	48.0	648.0	1.9	1.9	419,326.94	597,856.95	2.0	0.05
Top Salt	700.0	0.10	299.72	52.0	700.0	2.0	2.0	419,326.98	597,856.89	2.0	0.05
	800.0	0.19	308.84	100.0	800.0	2.1	2.1	419,327.13	597,856.68	2.1	0.09
	900.0	0.28	247.98	100.0	900.0	2.1	2.1	419,327.14	597,856.32	2.1	0.25
	1,000.0	0.29	167.87	100.0	1,000.0	1.8	1.8	419,326.80	597,856.15	1.8	0.37
	1,100.0	0.35	80.19	100.0	1,100.0	1.6	1.6	419,326.61	597,856.51	1.6	0.45
	1,200.0	0.73	330.96	100.0	1,200.0	2.2	2.2	419,327.22	597,856.50	2.2	0.91
	1,300.0	0.62	227.05	100.0	1,300.0	2.4	2.4	419,327.41	597,855.79	2.4	1.07
	1,400.0	0.56	139.94	100.0	1,400.0	1.7	1.7	419,326.66	597,855.71	1.7	0.81
	1,500.0	0.32	124.98	100.0	1,500.0	1.1	1.1	419,326.13	597,856.25	1.1	0.26
	1,600.0	0.73	94.28	100.0	1,600.0	0.9	0.9	419,325.92	597,857.12	0.9	0.48
	1,700.0	1.55	75.90	100.0	1,699.9	1.2	1.2	419,326.20	597,859.06	1.2	0.89



Custom Survey Report



Company: XTO Energy Inc. Project: Eddy Co. NM Site: (Goldenchild) SEC 6 T2S5_R29E Well: Goldenchild 6 State #1H Wellbore: Original Wellbore Design: Actual Wellbore			Local Co-ordinate Reference: TVD Reference: KB @ 2937.0usft MD Reference: KB @ 2937.0usft North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM 5000.1 Single User Db									
Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	D Leg (°/100usft)		
1,800.0	1.01	84.57	100.0	1,799.9	1.6	5.3	419,326.62	597,861.25	1.7	0.57		
1,900.0	0.93	102.68	100.0	1,899.9	1.5	6.9	419,326.52	597,862.92	1.6	0.32		
2,000.0	1.46	88.01	100.0	1,999.9	1.4	9.0	419,326.39	597,864.99	1.5	0.61		
2,100.0	2.33	54.90	100.0	2,099.8	2.6	11.9	419,327.60	597,867.92	2.8	1.36		
2,200.0	1.64	60.90	100.0	2,199.8	4.5	14.8	419,329.47	597,870.84	4.7	0.72		
2,300.0	1.21	85.47	100.0	2,299.7	5.2	17.1	419,330.25	597,873.14	5.5	0.74		
2,400.0	1.12	69.72	100.0	2,399.7	5.7	19.1	419,330.67	597,875.11	5.9	0.33		
2,500.0	1.12	319.48	100.0	2,499.7	6.7	19.4	419,331.75	597,875.39	7.0	1.84		
2,549.3	0.98	318.29	49.3	2,549.0	7.4	18.8	419,332.43	597,874.80	7.7	0.28		
Base Salt												
2,600.0	0.84	316.66	50.7	2,599.7	8.0	18.3	419,333.03	597,874.25	8.3	0.28		
2,700.0	1.00	318.30	100.0	2,699.7	9.2	17.2	419,334.21	597,873.17	9.4	0.16		
2,750.3	1.36	317.27	50.3	2,750.0	10.0	16.5	419,334.98	597,872.47	10.2	0.71		
Delaware												
2,800.0	1.71	316.67	49.7	2,799.7	10.9	15.6	419,335.95	597,871.57	11.1	0.71		
2,900.0	1.72	317.41	100.0	2,899.6	13.1	13.5	419,338.14	597,869.53	13.3	0.02		
3,000.0	1.80	320.22	100.0	2,999.6	15.4	11.5	419,340.45	597,867.51	15.6	0.12		
3,100.0	1.44	315.28	100.0	3,099.5	17.5	9.6	419,342.55	597,865.62	17.7	0.39		
3,200.0	1.34	311.21	100.0	3,199.5	19.2	7.9	419,344.21	597,863.85	19.3	0.14		
3,300.0	1.08	309.84	100.0	3,299.5	20.6	6.2	419,345.59	597,862.25	20.7	0.26		
3,400.0	0.99	301.79	100.0	3,399.5	21.6	4.8	419,346.65	597,860.79	21.7	0.17		
3,500.0	0.87	308.00	100.0	3,499.4	22.6	3.5	419,347.57	597,859.46	22.6	0.16		
3,600.0	0.67	313.02	100.0	3,599.4	23.4	2.4	419,348.43	597,858.43	23.5	0.21		
3,700.0	0.74	315.06	100.0	3,699.4	24.3	1.6	419,349.29	597,857.55	24.3	0.07		
3,800.0	0.73	309.61	100.0	3,799.4	25.2	0.6	419,350.15	597,856.60	25.2	0.07		
3,900.0	0.71	306.04	100.0	3,899.4	25.9	-0.4	419,350.92	597,855.61	25.9	0.05		
4,000.0	0.73	295.47	100.0	3,999.4	26.6	-1.5	419,351.56	597,854.54	26.5	0.13		



Custom Survey Report



Company: XTO Energy Inc. Project: Eddy Co. NM Site: (Goldenchild) SEC 6_T25S_R29E Well: Goldenchild 6 State #1H Wellbore: Original Wellbore Design: Actual Wellbore				Local Co-ordinate Reference: TVD Reference: KB @ 2937.0usft MD Reference: KB @ 2937.0usft North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM 5000.1 Single User Db							
MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)	
4,100.0	0.66	296.48	100.0	4,099.4	27.1	-2.6	419,352.09	597,853.44	27.1	0.07	
4,200.0	0.68	283.91	100.0	4,199.4	27.5	-3.6	419,352.49	597,852.35	27.4	0.15	
4,300.0	0.64	282.38	100.0	4,299.4	27.8	-4.8	419,352.76	597,851.23	27.7	0.04	
4,400.0	0.69	261.21	100.0	4,399.4	27.8	-5.9	419,352.78	597,850.09	27.7	0.25	
4,500.0	0.63	248.90	100.0	4,499.4	27.5	-7.0	419,352.49	597,848.98	27.4	0.15	
4,600.0	0.53	251.05	100.0	4,599.4	27.1	-8.0	419,352.14	597,848.03	27.0	0.10	
4,700.0	0.45	240.20	100.0	4,699.4	26.8	-8.7	419,351.80	597,847.25	26.7	0.12	
4,800.0	0.50	232.52	100.0	4,799.4	26.3	-9.4	419,351.34	597,846.57	26.2	0.08	
4,900.0	0.58	232.04	100.0	4,899.4	25.8	-10.2	419,350.76	597,845.82	25.6	0.08	
5,000.0	0.72	230.55	100.0	4,999.3	25.1	-11.1	419,350.05	597,844.94	24.9	0.14	
5,100.0	0.83	208.05	100.0	5,099.3	24.0	-11.9	419,349.01	597,844.11	23.9	0.32	
5,200.0	0.81	203.11	100.0	5,199.3	22.7	-12.5	419,347.72	597,843.49	22.6	0.07	
5,300.0	0.76	196.33	100.0	5,299.3	21.4	-13.0	419,346.44	597,843.03	21.3	0.11	
5,400.0	0.78	194.41	100.0	5,399.3	20.1	-13.3	419,345.14	597,842.67	20.0	0.03	
5,500.0	0.76	191.77	100.0	5,499.3	18.8	-13.6	419,343.83	597,842.37	18.7	0.04	
5,600.0	0.80	193.45	100.0	5,599.3	17.5	-13.9	419,342.50	597,842.07	17.3	0.05	
5,700.0	0.90	192.64	100.0	5,699.3	16.1	-14.3	419,341.06	597,841.74	15.9	0.10	
5,800.0	0.81	201.85	100.0	5,799.3	14.6	-14.7	419,339.64	597,841.30	14.4	0.16	
5,900.0	0.93	201.86	100.0	5,899.3	13.2	-15.3	419,338.23	597,840.74	13.0	0.12	
6,000.0	0.96	203.64	100.0	5,999.2	11.7	-15.9	419,336.71	597,840.10	11.5	0.04	
6,100.0	1.09	203.74	100.0	6,099.2	10.1	-16.6	419,335.07	597,839.38	9.9	0.13	
6,200.0	1.02	215.44	100.0	6,199.2	8.5	-17.5	419,333.47	597,838.48	8.2	0.23	
6,203.8	1.03	215.78	3.8	6,203.0	8.4	-17.6	419,333.42	597,838.44	8.2	0.26	
Basal Brushy Canyon											
6,300.0	1.24	222.87	96.2	6,299.2	7.0	-18.8	419,331.96	597,837.23	6.7	0.26	
6,400.0	1.30	278.64	100.0	6,399.2	6.3	-20.6	419,331.33	597,835.37	6.1	1.19	



Custom Survey Report



Company: XTO Energy Inc.	Local Co-ordinate Reference: Well Goldenchild 6 State #1H
Project: Eddy Co, NM	TVD Reference: KB @ 2937.0usft
Site: (Goldenchild) SEC 6_T25S_R29E	MD Reference: KB @ 2937.0usft
Well: Goldenchild 6 State #1H	North Reference: Grid
Wellbore: Original Wellbore	Survey Calculation Method: Minimum Curvature
Design: Actual Wellbore	Database: EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	EW (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)
	6,469.8	1.26	274.74	69.8	6,469.0	6.5	-22.2	419,331.52	597,833.82	6.2	0.14
Bone Spring											
	6,500.0	1.25	272.99	30.2	6,499.1	6.6	-22.8	419,331.56	597,833.16	6.3	0.14
	6,600.0	1.39	270.13	100.0	6,599.1	6.6	-25.1	419,331.62	597,830.86	6.3	0.15
	6,700.0	2.12	267.90	100.0	6,699.1	6.6	-28.2	419,331.55	597,827.80	6.2	0.73
	6,800.0	2.46	261.22	100.0	6,799.0	6.2	-32.2	419,331.16	597,823.83	5.7	0.43
	6,900.0	2.41	260.48	100.0	6,898.9	5.5	-36.4	419,330.48	597,819.63	5.0	0.06
	7,000.0	2.33	262.22	100.0	6,998.8	4.9	-40.5	419,329.86	597,815.55	4.3	0.11
	7,100.0	2.41	263.08	100.0	7,098.7	4.3	-44.6	419,329.33	597,811.44	3.8	0.09
	7,200.0	2.56	254.33	100.0	7,198.6	3.5	-48.8	419,328.48	597,807.21	2.8	0.41
	7,300.0	2.73	249.55	100.0	7,298.5	2.0	-53.2	419,327.04	597,802.83	1.4	0.28
	7,355.5	2.83	245.60	55.5	7,354.0	1.0	-55.7	419,326.01	597,800.34	0.3	0.39
1st Bone Spring Lm											
	7,400.0	2.92	242.65	44.5	7,398.4	0.0	-57.7	419,325.04	597,798.33	-0.7	0.39
	7,428.6	2.81	240.01	28.6	7,427.0	-0.6	-58.9	419,324.35	597,797.08	-1.4	0.60
1st Bone Spring Ss											
	7,500.0	2.56	232.47	71.4	7,498.3	-2.5	-61.7	419,322.51	597,794.30	-3.3	0.60
	7,600.0	2.30	213.75	100.0	7,598.2	-5.5	-64.6	419,319.48	597,791.41	-6.4	0.83
	7,657.8	1.94	212.80	57.8	7,656.0	-7.3	-65.8	419,317.69	597,790.24	-8.2	0.62
2nd Bone Spring Lm											
	7,700.0	1.68	211.85	42.2	7,698.1	-8.4	-66.5	419,316.57	597,789.52	-9.3	0.62
	7,800.0	1.54	208.60	100.0	7,798.1	-10.9	-67.9	419,314.14	597,788.11	-11.7	0.17
	7,900.0	2.23	218.46	100.0	7,898.1	-13.6	-69.7	419,311.44	597,786.25	-14.5	0.76
	8,000.0	4.01	227.54	100.0	7,997.9	-17.4	-73.5	419,307.55	597,782.46	-18.4	1.84
	8,100.0	2.40	229.91	100.0	8,097.7	-21.2	-77.7	419,303.84	597,778.28	-22.2	1.62
	8,200.0	2.58	211.67	100.0	8,197.6	-24.4	-80.5	419,300.58	597,775.50	-25.5	0.81
	8,203.4	2.44	218.83	3.4	8,201.0	-24.5	-80.6	419,300.46	597,775.41	-25.6	10.20
2nd Bone Spring Ss											



Custom Survey Report



Company: XTO Energy Inc.		Local Co-ordinate Reference: Well Goldenchild 6 State #1H	
Project: Eddy Co, NM		TVD Reference: KB @ 2937.0usft	
Site: (Goldenchild) SEC 6, T25S, R29E		MD Reference: KB @ 2937.0usft	
Well: Goldenchild 6 State #1H		North Reference: Grid	
Wellbore: Original Wellbore		Survey Calculation Method: Minimum Curvature	
Design: Actual Wellbore		Database: EDM 5000.1 Single User Db	

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)
8,227.0	2.78	273.41	23.6	8,224.6	-24.9	-81.5	419,300.10	597,774.53	-25.9	10.20
8,320.0	1.60	167.30	93.0	8,317.6	-26.0	-83.4	419,298.97	597,772.56	-27.1	3.84
8,415.0	1.80	168.80	95.0	8,412.5	-28.8	-82.9	419,296.21	597,773.14	-29.9	0.22
8,509.0	1.50	172.20	94.0	8,506.5	-31.5	-82.4	419,293.54	597,773.59	-32.5	0.34
8,510.5	1.50	172.20	1.5	8,508.0	-31.5	-82.4	419,293.51	597,773.60	-32.6	0.00
3rd Bone Spring Lm										
8,603.0	1.30	177.00	92.5	8,600.5	-33.7	-82.2	419,291.26	597,773.82	-34.8	0.25
8,698.0	1.70	200.90	95.0	8,695.4	-36.1	-82.6	419,288.87	597,773.37	-37.2	0.77
8,792.0	1.30	230.90	94.0	8,789.4	-38.1	-84.0	419,286.89	597,772.05	-39.2	0.92
8,887.0	2.20	266.50	95.0	8,884.4	-38.9	-86.6	419,286.10	597,769.39	-40.0	1.44
8,981.0	2.30	247.40	94.0	8,978.3	-39.7	-90.2	419,285.27	597,765.85	-40.9	0.80
9,076.0	1.80	266.00	95.0	9,073.2	-40.6	-93.4	419,284.43	597,762.60	-41.8	0.87
9,170.0	1.50	267.80	94.0	9,167.2	-40.7	-96.1	419,284.28	597,759.90	-42.0	0.32
9,265.0	1.40	277.50	95.0	9,262.2	-40.6	-98.5	419,284.38	597,757.50	-41.9	0.28
9,334.9	1.03	271.66	69.9	9,332.0	-40.5	-100.0	419,284.51	597,756.03	-41.8	0.56
3rd Bone Spring Ss										
9,360.0	0.90	268.40	25.1	9,357.1	-40.5	-100.4	419,284.51	597,755.61	-41.8	0.56
9,423.0	2.40	317.30	63.0	9,420.1	-39.5	-101.8	419,285.47	597,754.22	-40.8	3.07
9,454.0	5.40	342.10	31.0	9,451.0	-37.7	-102.7	419,287.34	597,753.33	-39.0	10.89
9,486.0	8.70	342.60	32.0	9,482.8	-33.9	-103.9	419,291.08	597,752.14	-35.3	10.31
9,517.0	11.50	354.60	31.0	9,513.3	-28.6	-104.8	419,296.39	597,751.15	-30.0	11.25
9,548.0	12.90	0.70	31.0	9,543.6	-22.1	-105.1	419,302.93	597,750.90	-23.4	6.13
9,580.0	15.20	7.90	32.0	9,574.7	-14.3	-104.5	419,310.66	597,751.52	-15.7	9.01
9,611.0	16.60	13.40	31.0	9,604.5	-6.0	-102.9	419,318.99	597,753.11	-7.3	6.63
9,643.0	20.20	12.70	32.0	9,634.8	3.8	-100.6	419,328.83	597,755.38	2.5	11.27
9,674.0	24.40	10.50	31.0	9,663.5	15.4	-98.3	419,340.36	597,757.73	14.1	13.81
9,706.0	28.50	11.80	32.0	9,692.2	29.3	-95.5	419,354.33	597,760.49	28.1	12.94



Custom Survey Report



Company: XTO Energy Inc.		Local Co-ordinate Reference:		Well Goldenchild 6 State #1H						
Project: Eddy Co, NM		TVD Reference:		KB @ 2937.0usft						
Site: (Goldenchild) SEC 6, T25S, R29E		MD Reference:		KB @ 2937.0usft						
Well: Goldenchild 6 State #1H		North Reference:		Grid						
Wellbore: Original Wellbore		Survey Calculation Method:		Minimum Curvature						
Design: Actual Wellbore		Database:		EDM 5000.1 Single User Db						
Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Eastng (usft)	V. Sec (usft)	D.leg (°/100usft)
9,708.1	28.69	11.73	2.1	9,694.0	30.3	-95.3	419,355.32	597,760.70	29.1	9.17
Wolfcamp										
9,737.0	31.30	10.80	28.9	9,719.0	44.5	-92.5	419,369.49	597,763.52	43.3	9.17
9,769.0	35.30	9.80	32.0	9,745.8	61.8	-89.4	419,386.77	597,766.65	60.6	12.62
9,800.0	39.00	9.20	31.0	9,770.5	80.2	-86.3	419,405.23	597,769.73	79.1	11.99
9,832.0	42.20	9.20	32.0	9,794.8	100.8	-82.9	419,425.79	597,773.06	99.7	10.00
9,863.0	45.40	9.30	31.0	9,817.1	122.0	-79.5	419,446.96	597,776.51	120.9	10.32
9,872.4	46.31	9.42	9.4	9,823.7	128.6	-78.4	419,453.62	597,777.61	127.6	9.73
1st TP @ 9874.2' MD, 330' FSL, 499' FWLL										
9,889.0	47.92	9.63	16.6	9,835.0	140.6	-76.4	419,465.63	597,779.62	139.6	9.73
Wolfcamp "A" Shale Top										
9,895.0	48.50	9.70	6.0	9,839.0	145.0	-75.6	419,470.02	597,780.37	144.0	9.73
9,926.0	52.90	10.60	31.0	9,858.6	168.6	-71.4	419,493.63	597,784.60	167.7	14.37
9,958.0	55.40	9.80	32.0	9,877.4	194.2	-66.8	419,519.15	597,789.19	193.3	8.07
9,990.0	59.70	9.70	32.0	9,894.5	220.8	-62.2	419,545.76	597,793.77	219.9	13.44
10,021.0	62.30	8.50	31.0	9,909.5	247.5	-57.9	419,572.53	597,798.05	246.8	9.04
10,053.0	65.00	8.80	32.0	9,923.7	275.9	-53.6	419,600.88	597,802.36	275.2	8.48
10,084.0	64.80	8.20	31.0	9,936.9	303.6	-49.5	419,628.64	597,806.51	303.0	1.87
10,116.0	64.90	8.10	32.0	9,950.5	332.3	-45.4	419,657.31	597,810.62	331.7	0.42
10,148.0	67.40	6.40	32.0	9,963.4	361.3	-41.7	419,686.34	597,814.31	360.8	9.20
10,179.0	70.90	6.10	31.0	9,974.5	390.1	-38.5	419,715.14	597,817.46	389.6	11.33
10,211.0	73.90	5.80	32.0	9,984.1	420.5	-35.4	419,745.47	597,820.62	420.0	9.42
10,240.0	74.70	5.70	29.0	9,992.0	448.2	-32.6	419,773.25	597,823.42	447.8	2.78
10,271.0	76.60	4.80	31.0	9,999.7	478.2	-29.8	419,803.15	597,826.17	477.7	6.74
10,303.0	77.60	4.60	32.0	10,006.8	509.2	-27.3	419,834.24	597,828.72	508.8	3.18
10,334.0	78.30	4.30	31.0	10,013.3	539.5	-24.9	419,864.47	597,831.07	539.1	2.45
10,365.0	78.50	4.20	31.0	10,019.5	569.7	-22.7	419,894.75	597,833.32	569.4	0.72



Custom Survey Report



Company:	XTO Energy Inc.	Local Co-ordinate Reference:	Well Goldenchild 6 State #1H
Project:	Eddy Co, NM	TVD Reference:	KB @ 2937.0usft
Site:	(Goldenchild) SEC 6 T25S_R29E	MD Reference:	KB @ 2937.0usft
Well:	Goldenchild 6 State #1H	North Reference:	Grid
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Actual Wellbore	Database:	EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)
	10,397.0	80.40	3.40	32.0	10,025.4	601.1	-20.6	419,926.14	597,835.41	600.8	6.43
	10,428.0	83.50	2.00	31.0	10,029.7	631.8	-19.1	419,956.79	597,836.85	631.5	10.95
	10,459.0	83.60	2.20	31.0	10,033.2	662.6	-18.0	419,987.58	597,837.98	662.3	0.72
	10,491.0	86.10	1.70	32.0	10,036.1	694.4	-16.9	420,019.43	597,839.06	694.1	7.97
	10,522.0	87.20	1.60	31.0	10,037.9	725.4	-16.0	420,050.36	597,839.96	725.1	3.56
	10,616.0	87.30	2.30	94.0	10,042.4	819.2	-12.8	420,144.20	597,843.15	819.0	0.75
	10,710.0	89.00	1.90	94.0	10,045.4	913.1	-9.4	420,238.08	597,846.59	912.9	1.86
	10,804.0	89.70	2.60	94.0	10,046.5	1,007.0	-5.7	420,332.00	597,850.28	1,006.8	1.05
	10,898.0	90.40	3.00	94.0	10,046.4	1,100.9	-1.1	420,425.89	597,854.88	1,100.8	0.86
	10,992.0	89.20	1.90	94.0	10,046.7	1,194.8	2.9	420,519.80	597,858.89	1,194.7	1.73
	11,009.2	89.11	1.97	17.2	10,047.0	1,212.0	3.5	420,537.02	597,859.48	1,212.0	0.68
10' ABOVE											
	11,086.0	88.70	2.30	76.8	10,048.5	1,288.7	6.3	420,613.72	597,862.34	1,288.7	0.68
	11,180.0	88.60	2.70	94.0	10,050.7	1,382.6	10.4	420,707.60	597,866.44	1,382.6	0.44
	11,274.0	88.70	2.30	94.0	10,052.9	1,476.5	14.5	420,801.49	597,870.54	1,476.6	0.44
	11,368.0	88.40	2.40	94.0	10,055.3	1,570.4	18.4	420,895.38	597,874.39	1,570.5	0.34
	11,463.0	91.80	0.10	95.0	10,055.1	1,665.3	20.5	420,990.34	597,876.46	1,665.5	4.32
	11,557.0	91.60	358.90	94.0	10,052.3	1,759.3	19.6	421,084.29	597,875.64	1,759.4	1.29
	11,651.0	91.60	359.40	94.0	10,049.7	1,853.2	18.2	421,178.24	597,874.25	1,853.3	0.53
	11,746.0	90.30	0.80	95.0	10,048.1	1,948.2	18.4	421,273.22	597,874.41	1,948.3	2.01
	11,840.0	90.50	1.10	94.0	10,047.5	2,042.2	20.0	421,367.21	597,875.97	2,042.3	0.38
	11,934.0	90.50	0.90	94.0	10,046.6	2,136.2	21.6	421,461.19	597,877.61	2,136.3	0.21
	12,029.0	90.60	0.20	95.0	10,045.7	2,231.2	22.5	421,556.18	597,878.52	2,231.3	0.74
	12,123.0	90.20	0.00	94.0	10,045.1	2,325.2	22.7	421,650.18	597,878.69	2,325.3	0.48
	12,217.0	89.90	359.00	94.0	10,045.0	2,419.2	21.9	421,744.17	597,877.87	2,419.3	1.11
	12,311.0	89.80	359.40	94.0	10,045.2	2,513.2	20.6	421,838.16	597,876.55	2,513.2	0.44
	12,405.0	89.70	358.70	94.0	10,045.7	2,607.1	19.0	421,932.15	597,875.00	2,607.2	0.75



Custom Survey Report



Company: XTO Energy Inc.	Local Co-ordinate Reference: Well Goldenchild 6 State #1H
Project: Eddy Co. NM	TVD Reference: KB @ 2937.0usft
Site: (Goldenchild) SEC 6, T25S, R29E	MD Reference: KB @ 2937.0usft
Well: Goldenchild 6 State #1H	North Reference: Grid
Wellbore: Original Wellbore	Survey Calculation Method: Minimum Curvature
Design: Actual Wellbore	Database: EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)
	12,500.0	91.30	0.90	95.0	10,044.8	2,702.1	18.7	422,027.14	597,874.66	2,702.2	2.86
	12,594.0	92.10	1.70	94.0	10,042.0	2,796.1	20.8	422,121.07	597,876.80	2,796.1	1.20
	12,688.0	92.00	2.40	94.0	10,038.7	2,889.9	24.2	422,214.95	597,880.16	2,890.0	0.75
	12,710.0	91.70	2.20	22.0	10,038.0	2,911.9	25.0	422,236.92	597,881.04	2,912.0	1.64
	12,804.0	90.70	3.00	94.0	10,036.0	3,005.8	29.3	422,330.80	597,885.30	3,005.9	1.36
	12,898.0	87.30	1.90	94.0	10,037.6	3,099.7	33.3	422,424.68	597,889.32	3,099.9	3.80
	12,992.0	88.00	2.60	94.0	10,041.5	3,193.5	37.0	422,518.53	597,893.01	3,193.7	1.05
	13,087.0	88.50	2.90	95.0	10,044.4	3,288.4	41.6	422,613.38	597,897.56	3,288.6	0.61
	13,181.0	88.20	3.50	94.0	10,047.1	3,382.2	46.8	422,707.19	597,902.81	3,382.5	0.71
	13,276.0	88.70	4.30	95.0	10,049.7	3,476.9	53.3	422,801.94	597,909.27	3,477.3	0.99
	13,370.0	89.00	3.00	94.0	10,051.6	3,570.7	59.2	422,895.72	597,915.25	3,571.2	1.42
	13,465.0	91.30	1.00	95.0	10,051.3	3,665.7	62.6	422,990.66	597,918.56	3,666.2	3.21
	13,559.0	90.20	358.90	94.0	10,050.1	3,759.6	62.5	423,084.64	597,918.48	3,760.1	2.52
	13,653.0	88.80	356.80	94.0	10,050.9	3,853.6	59.0	423,178.56	597,914.96	3,854.0	2.68
	13,747.0	89.60	358.40	94.0	10,052.2	3,947.5	55.0	423,272.47	597,911.02	3,947.8	1.90
	13,841.0	90.20	358.90	94.0	10,052.4	4,041.4	52.8	423,366.44	597,908.81	4,041.8	0.83
	13,935.0	89.40	358.00	94.0	10,052.7	4,135.4	50.3	423,460.40	597,906.26	4,135.7	1.28
	14,029.0	89.50	358.70	94.0	10,053.6	4,229.4	47.6	423,554.36	597,903.56	4,229.6	0.75
	14,123.0	88.30	358.80	94.0	10,055.4	4,323.3	45.5	423,648.32	597,901.51	4,323.5	1.28
	14,218.0	89.30	359.70	95.0	10,057.4	4,418.3	44.3	423,743.29	597,900.26	4,418.5	1.42
	14,311.0	90.40	0.20	93.0	10,057.6	4,511.3	44.2	423,836.29	597,900.18	4,511.5	1.30
	14,405.0	89.50	0.10	94.0	10,057.7	4,605.3	44.4	423,930.28	597,900.43	4,605.5	0.96
	14,499.0	92.60	0.90	94.0	10,056.0	4,699.3	45.2	424,024.25	597,901.25	4,699.4	3.41
	14,594.0	92.30	0.70	95.0	10,051.9	4,794.2	46.6	424,119.16	597,902.57	4,794.4	0.38
	14,688.0	91.20	0.50	94.0	10,049.1	4,888.1	47.6	424,213.11	597,903.56	4,888.3	1.19
	14,783.0	91.80	0.80	95.0	10,046.6	4,983.1	48.6	424,308.07	597,904.64	4,983.3	0.71
	14,877.0	92.30	1.60	94.0	10,043.2	5,077.0	50.6	424,401.98	597,906.60	5,077.2	1.00



Custom Survey Report



Company: XTO Energy Inc. Project: Eddy Co, NM Site: (Goldenchild) SEC 6, T25S, R29E Well: Goldenchild 6 State #1H Wellbore: Original Wellbore Design: Actual Wellbore				Local Co-ordinate Reference: TVD Reference: Well Goldenchild 6 State #1H MD Reference: KB @ 2937.0usft North Reference: KB @ 2937.0usft Survey Calculation Method: Grid Database: Minimum Curvature EDM 5000.1 Single User Db						
MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)
14,972.0	90.90	2.30	95.0	10,040.6	5,171.9	53.8	424,496.89	597,909.83	5,172.2	1.65
15,066.0	88.70	1.10	94.0	10,040.9	5,265.8	56.6	424,590.84	597,912.62	5,266.1	2.67
15,161.0	88.30	1.40	95.0	10,043.4	5,360.8	58.7	424,685.78	597,914.69	5,361.1	0.53
15,256.0	89.40	2.40	95.0	10,045.3	5,455.7	61.8	424,780.71	597,917.84	5,456.1	1.56
15,350.0	90.50	2.80	94.0	10,045.4	5,549.6	66.1	424,874.61	597,922.11	5,550.0	1.25
15,444.0	92.50	3.20	94.0	10,042.9	5,643.4	71.0	424,968.45	597,927.02	5,643.9	2.17
15,539.0	91.70	1.80	95.0	10,039.4	5,738.3	75.2	425,063.29	597,931.17	5,738.8	1.70
15,633.0	90.80	0.10	94.0	10,037.4	5,832.2	76.7	425,157.25	597,932.72	5,832.8	2.05
15,727.0	88.60	359.50	94.0	10,037.9	5,926.2	76.4	425,251.24	597,932.39	5,926.7	2.43
15,822.0	87.70	359.20	95.0	10,040.9	6,021.2	75.3	425,346.18	597,931.32	6,021.7	1.00
15,916.0	88.90	359.00	94.0	10,043.7	6,115.1	73.8	425,440.13	597,929.84	6,115.6	1.29
16,010.0	89.50	358.70	94.0	10,045.0	6,209.1	72.0	425,534.10	597,927.96	6,209.5	0.71
16,105.0	87.70	358.40	95.0	10,047.4	6,304.0	69.6	425,629.04	597,925.55	6,304.4	1.92
16,200.0	90.10	358.30	95.0	10,049.2	6,399.0	66.8	425,723.97	597,922.82	6,399.3	2.53
16,294.0	89.20	358.40	94.0	10,049.8	6,492.9	64.1	425,817.93	597,920.11	6,493.2	0.96
16,388.0	91.60	358.00	94.0	10,049.1	6,586.9	61.2	425,911.88	597,917.16	6,587.1	2.59
16,482.0	90.30	358.50	94.0	10,047.5	6,680.8	58.3	426,005.82	597,914.29	6,681.0	1.48
16,577.0	89.10	359.60	95.0	10,048.0	6,775.8	56.7	426,100.80	597,912.71	6,776.0	1.71
16,671.0	90.40	359.60	94.0	10,048.4	6,869.8	56.1	426,194.80	597,912.06	6,869.9	1.38
16,766.0	89.80	0.40	95.0	10,048.3	6,964.8	56.1	426,289.79	597,912.06	6,964.9	1.05
16,861.0	88.80	1.40	95.0	10,049.4	7,059.8	57.5	426,384.77	597,913.55	7,059.9	1.49
16,955.0	90.50	2.20	94.0	10,050.0	7,153.7	60.5	426,478.72	597,916.50	7,153.9	2.00
17,050.0	88.90	2.30	95.0	10,050.5	7,248.6	64.2	426,573.64	597,920.23	7,248.9	1.69
17,144.0	88.90	2.20	94.0	10,052.3	7,342.6	67.9	426,667.55	597,923.92	7,342.8	0.11
17,206.0	90.22	2.27	62.0	10,052.8	7,404.5	70.3	426,729.50	597,926.34	7,404.8	2.13
2nd TP @ 17206.9' MD, 330' FNLL, 636' FWLL										
17,238.0	90.90	2.30	32.0	10,052.5	7,436.5	71.6	426,761.48	597,927.61	7,436.8	2.13



Company:

Company: XTO Energy Inc.
Project: Eddy Co, NM
Site: (Goldenschild) SEC 6_T25S_R29E
Well: Goldenschild 6 State #1H
Wellbore: Original Wellbore
Design: Actual Wellbore

Local Co-ordinate Reference: Well Goldenchild 6 State #11H
TVD Reference: KB @ 2937.0usft
MD Reference: KB @ 2937.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	CL (usft)	TVD (usft)	N/S (usft)	EW (usft)	Northing (usft)	Easting (usft)	V. Sec (usft)	DLeg (°/100usft)
	17,303.0		92.40	2.50	65.0	10,050.6	7,501.4	426,826.39	597,930.33	7,501.7	2.33
Last Swy - #1H PBHL Rev 3											
	17,345.0		92.40	2.50	42.0	10,048.9	7,543.3	426,868.31	597,932.16	7,543.7	0.00
PTD @ 17345' MD, 192' FNLL, 642' FWLL											

Formations	Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction
	9,708.1	9,694.0	Wolfcamp			
	11,009.2	10,047.0	10' ABOVE		0.00	
	7,428.6	7,427.0	1st Bone Spring Ss			
	2,549.3	2,549.0	Base Salt			
	262.0	262.0	Rustler			
	8,510.5	8,508.0	3rd Bone Spring Lm			
	648.0	648.0	Top Salt			
	6,203.8	6,203.0	Basal Brushy Canyon			
	9,334.9	9,332.0	3rd Bone Spring Ss			
	7,355.5	7,354.0	1st Bone Spring Lm			
	6,469.8	6,469.0	Bone Spring			
	2,750.3	2,750.0	Delaware			
	9,889.0	9,835.0	Wolfcamp "A" Shale Top			
	8,203.4	8,201.0	2nd Bone Spring Ss			
	7,657.8	7,656.0	2nd Bone Spring Lm			



Custom Survey Report



Company: XTO Energy Inc. Project: Eddy Co, NM Site: (Goldenchild) SEC 6, T25S, R29E Well: Goldenchild 6 State #1H Wellbore: Original Wellbore Design: Actual Wellbore		Local Co-ordinate Reference: Well Goldenchild 6 State #1H KB @ 2937.0usft KB @ 2937.0usft Grid Minimum Curvature EDM 5000.1 Single User Db	
Design Annotations			
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates	Comment
		+N-S (usft)	+E-W (usft)
9,872.4	9,823.7	128.6	-78.4
17,206.0	10,052.8	7,404.5	70.3
17,303.0	10,050.6	7,501.4	74.3
17,345.0	10,048.9	7,543.3	76.2
			1st TP @ 9874.2' MD, 330' FSLL, 499' FWLL
			2nd TP @ 17206.9' MD, 330' FNLL, 636' FWLL
			Last Svy
			PTD @ 17345' MD, 192' FNLL, 642' FWLL

Checked By: _____

Approved By: _____

Date: _____