

Project: Lea County, NM (NAD27)
 Site: Espejo Federal Com
 Well: 1H
 Wellbore: OH
 Design: Plan 1 11-19-15
 Rig: TBD



Azimuths to Grid North
 True North: -0.43°
 Magnetic North: 6.41°

Magnetic Field
 Strength: 48490.4nT
 Dip Angle: 60.68°
 Date: 11/19/2015
 Model: HDGM

RKB @ 3799.00usft (TBD)
 Ground Level: 3774.00

WELL DETAILS

+N/S	+E/W	Northing	Ground Level	Eastings	Latitude	Longitude
0.00	0.00	597189.30	3774.00	748217.20	32° 38' 21.07020 N	103° 31' 37.15092 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	Tface	Vsect	Target	Annotation
1	0.00	0.00	0.00	10163.92	0.00	0.00	0.00	0.00	0.00		KOP, Begin 10°/100' Build
2	10163.92	0.00	0.00	10163.92	0.00	0.00	0.00	0.00	0.00		Begin 10°/100' Build & Turn
3	10763.92	60.00	110.95	10660.12	-102.43	267.54	10.00	110.95	140.95		LP, Hold 89.3° Inc at 177.63° Azm
4	11459.70	89.30	177.63	10864.00	-823.37	605.95	10.00	78.47	706.29		TD at 16189.93
5	16189.93	89.30	177.63	10921.79	-5349.20	801.70	0.00	0.00	5408.94	BHL_Espejo Fed Com 1H	

DESIGN TARGET DETAILS

Name	TVD	+N/S	+E/W	Northing	Eastings	Latitude	Longitude	Shape
FTP_Espejo Fed Com 1H	10864.00	-588.90	605.10	596590.40	748822.30	32° 38' 15.09874 N	103° 31' 30.12829 W	Point
LTP_Espejo Fed Com 1H	10920.21	-5219.30	796.40	591970.00	749013.60	32° 37' 29.36685 N	103° 31' 28.30261 W	Point
BHL_Espejo Fed Com 1H	10921.79	-5349.20	801.70	591840.10	749018.90	32° 37' 28.00992 N	103° 31' 28.25220 W	Rectangle (Sides: L4730.24 W100.00)

LEGEND

— Plan 1 11-19-15

Map System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone Name: New Mexico East 3001

Local Origin: Well 1H, Grid North

Latitude: 32° 38' 21.07020 N
 Longitude: 103° 31' 37.15092 W

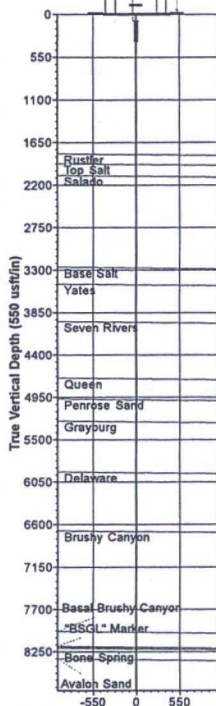
Grid East: 748217.20
 Grid North: 597189.30
 Scale Factor: 1.000

Geomagnetic Model: HDGM
 Sample Date: 19-Nov-15
 Magnetic Declination: 6.85°
 Dip Angle from Horizontal: 60.68°
 Magnetic Field Strength: 48490

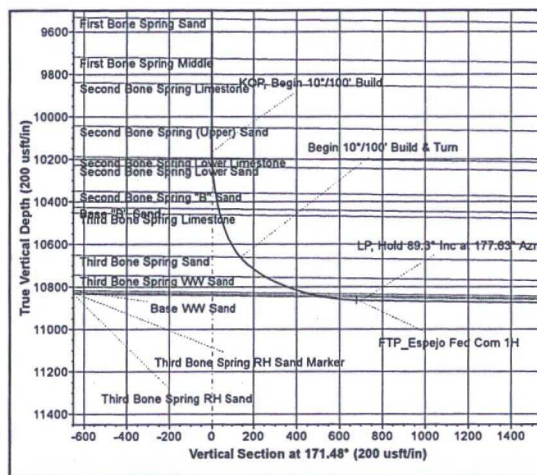
To convert a Magnetic Direction to a Grid Direction, Add 6.42°
 To convert a Magnetic Direction to a True Direction, Add 6.85° East
 To convert a True Direction to a Grid Direction, Subtract 0.43°

FORMATION TOP DETAILS

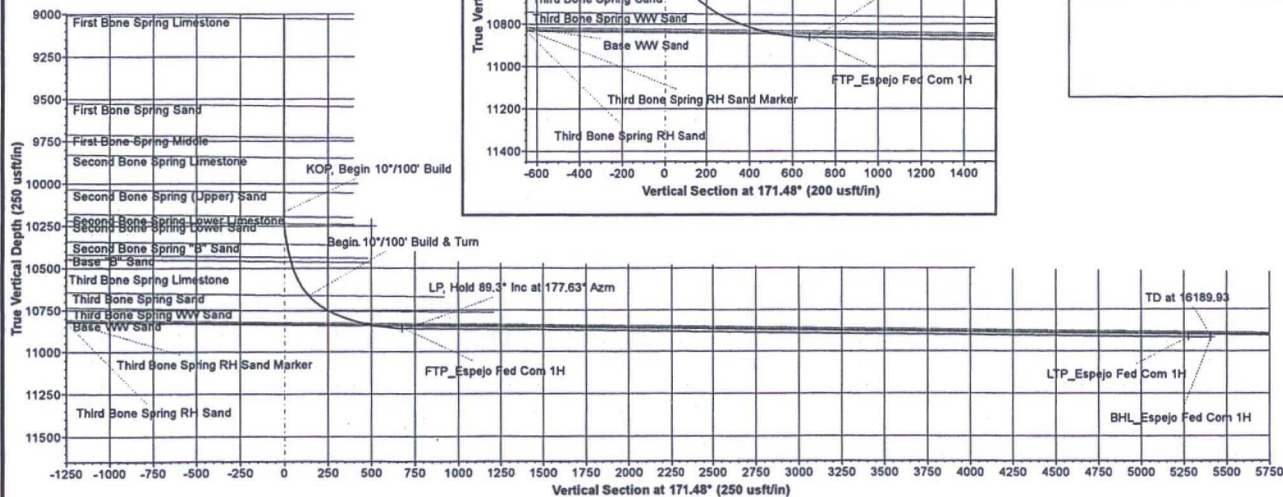
TVDPath	MDPath	Formation	DipAngle	DpDir
1805.00	1805.00	Rustler	0.70	171.48
1935.00	1935.00	Top Salt	0.70	171.48
2085.00	2085.00	Salado	0.70	171.48
3270.00	3270.00	Base Salt	0.70	171.48
3490.00	3490.00	Yates	0.70	171.48
3975.00	3975.00	Seven Rivers	0.70	171.48
4710.00	4710.00	Queen	0.70	171.48
4980.00	4980.00	Penrose Sand	0.70	171.48
5265.00	5265.00	Grayburg	0.70	171.48
5930.00	5930.00	Delaware	0.70	171.48
6690.00	6690.00	Brushy Canyon	0.70	171.48
7995.00	7995.00	Basal Brushy Canyon	0.70	171.48
8190.00	8190.00	"BSGL" Marker	0.70	171.48
8210.00	8210.00	Bone Spring	0.70	171.48
8350.00	8350.00	Avalon Sand	0.70	171.48
8850.00	8850.00	Lower Avalon Shale	0.70	171.48
9025.00	9025.00	First Bone Spring Limestone	0.70	171.48
9540.00	9540.00	First Bone Spring Sand	0.70	171.48
9725.00	9725.00	First Bone Spring Middle	0.70	171.48
9845.00	9845.00	Second Bone Spring Limestone	0.70	171.48
10050.00	10050.00	Second Bone Spring (Upper) Sand	0.70	171.48
10195.01	10195.02	Second Bone Spring Lower Limestone	0.70	171.48
10235.03	10235.21	Second Bone Spring Lower Sand	0.70	171.48
10357.20	10361.07	Second Bone Spring "B" Sand	0.70	171.48
10434.41	10445.62	Base "B" Sand	0.70	171.48
10469.50	10475.65	Third Bone Spring Limestone	0.70	171.48
10559.72	10763.12	Third Bone Spring Sand	0.70	171.48
10754.17	10968.93	Third Bone Spring WW Sand	0.70	171.48
10830.53	11200.81	Base WW Sand	0.70	171.48
10840.02	11243.09	Third Bone Spring RH Sand Marker	0.70	171.48
10848.56	11288.76	Third Bone Spring RH Sand	0.70	171.48



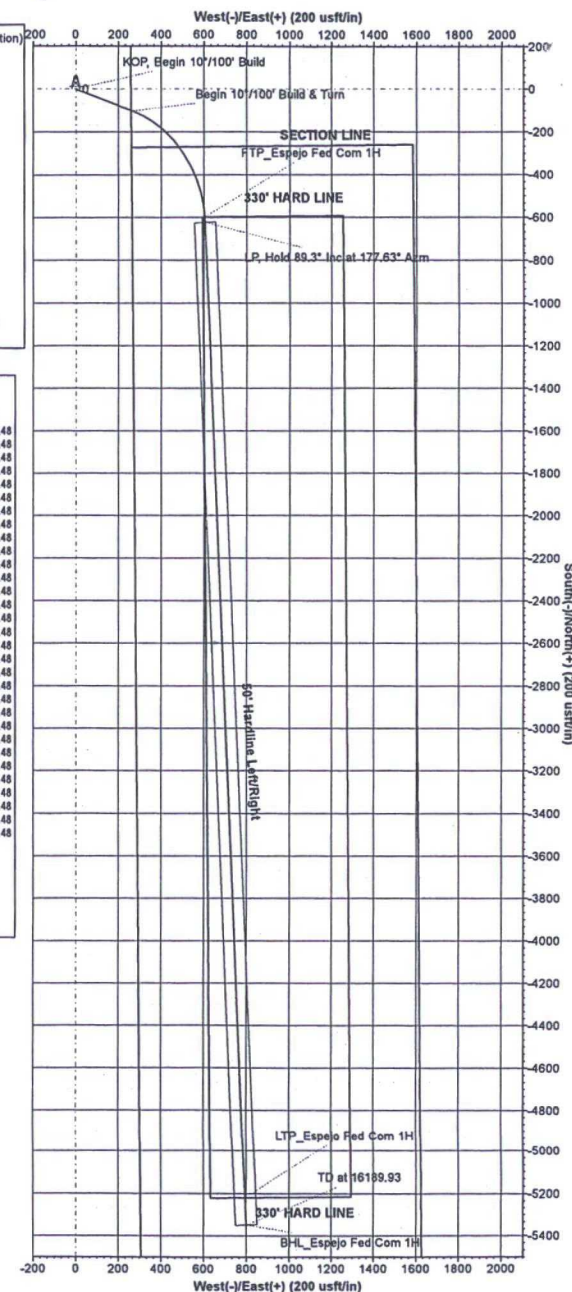
Vertical Section at 171.48° (550 usft/in)



Vertical Section at 171.48° (200 usft/in)



Vertical Section at 171.48° (250 usft/in)



XTOENERGY

XTO Energy Inc

Lea County, NM (NAD27)

Espejo Federal Com

1H

OH

Plan: Plan 1 11-19-15

Standard Planning Report

19 November, 2015



Phoenix Technology Services LP

Planning Report



XTOENERGY

Database: Compass 5000 GCR
 Company: XTO Energy Inc
 Project: Lea County, NM (NAD27)
 Site: Espejo Federal Com
 Well: 1H
 Wellbore: OH
 Design: Plan 1 11-19-15

Local Co-ordinate Reference: Well 1H
 TVD Reference: RKB @ 3799.00usft (TBD)
 MD Reference: RKB @ 3799.00usft (TBD)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD27)		
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	Espejo Federal Com		
Site Position:	Map	Northing:	597,189.30 usft
From:		Easting:	748,217.20 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 38' 21.07020 N
		Longitude:	103° 31' 37.15092 W
		Grid Convergence:	0.43 °

Well	1H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 38' 21.07020 N
		Longitude:	103° 31' 37.15092 W
		Ground Level:	3,774.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	HDGM	11/19/2015	6.85
		Dip Angle	60.68
		Field Strength	48,490
		(nT)	

Design	Plan 1 11-19-15		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			171.48

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10,163.92	0.00	0.00	10,163.92	0.00	0.00	0.00	0.00	0.00	0.00	
10,763.92	60.00	110.95	10,660.12	-102.43	267.54	10.00	10.00	0.00	110.95	
11,459.70	89.30	177.63	10,864.00	-623.37	605.95	10.00	4.21	9.58	78.47	
16,189.94	89.30	177.63	10,921.79	-5,349.20	801.70	0.00	0.00	0.00	0.00	BHL_Espejo Fed Con

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 TVD Reference: RKB @ 3799.00usft (TBD)
 MD Reference: RKB @ 3799.00usft (TBD)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,805.00	0.00	0.00	1,805.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,935.00	0.00	0.00	1,935.00	0.00	0.00	0.00	0.00	0.00	0.00
Top Salt									
2,085.00	0.00	0.00	2,085.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
3,270.00	0.00	0.00	3,270.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt									
3,490.00	0.00	0.00	3,490.00	0.00	0.00	0.00	0.00	0.00	0.00
Yates									
3,975.00	0.00	0.00	3,975.00	0.00	0.00	0.00	0.00	0.00	0.00
Seven Rivers									
4,710.00	0.00	0.00	4,710.00	0.00	0.00	0.00	0.00	0.00	0.00
Queen									
4,980.00	0.00	0.00	4,980.00	0.00	0.00	0.00	0.00	0.00	0.00
Penrose Sand									
5,265.00	0.00	0.00	5,265.00	0.00	0.00	0.00	0.00	0.00	0.00
Grayburg									
5,930.00	0.00	0.00	5,930.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
6,690.00	0.00	0.00	6,690.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon									
7,995.00	0.00	0.00	7,995.00	0.00	0.00	0.00	0.00	0.00	0.00
Basal Brushy Canyon									
8,190.00	0.00	0.00	8,190.00	0.00	0.00	0.00	0.00	0.00	0.00
"BSGL" Marker									
8,210.00	0.00	0.00	8,210.00	0.00	0.00	0.00	0.00	0.00	0.00
Bone Spring									
8,350.00	0.00	0.00	8,350.00	0.00	0.00	0.00	0.00	0.00	0.00
Avalon Sand									
8,850.00	0.00	0.00	8,850.00	0.00	0.00	0.00	0.00	0.00	0.00
Lower Avalon Shale									
9,025.00	0.00	0.00	9,025.00	0.00	0.00	0.00	0.00	0.00	0.00
First Bone Spring Limestone									
9,540.00	0.00	0.00	9,540.00	0.00	0.00	0.00	0.00	0.00	0.00
First Bone Spring Sand									
9,725.00	0.00	0.00	9,725.00	0.00	0.00	0.00	0.00	0.00	0.00
First Bone Spring Middle									
9,845.00	0.00	0.00	9,845.00	0.00	0.00	0.00	0.00	0.00	0.00
Second Bone Spring Limestone									
10,050.00	0.00	0.00	10,050.00	0.00	0.00	0.00	0.00	0.00	0.00
Second Bone Spring (Upper) Sand									
10,163.92	0.00	0.00	10,163.92	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 10°/100' Build									
10,195.02	3.11	110.95	10,195.01	-0.30	0.79	0.42	10.00	10.00	0.00
Second Bone Spring Lower Limestone									
10,200.00	3.61	110.95	10,199.98	-0.41	1.06	0.56	10.00	10.00	0.00
10,235.21	7.13	110.95	10,235.03	-1.58	4.14	2.18	10.00	10.00	0.00
Second Bone Spring Lower Sand									
10,300.00	13.61	110.95	10,298.72	-5.75	15.02	7.91	10.00	10.00	0.00

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Local Co-ordinate Reference: Well 1H
TVD Reference: RKB @ 3799.00usft (TBD)
MD Reference: RKB @ 3799.00usft (TBD)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,361.07	19.71	110.95	10,357.20	-12.01	31.37	16.52	10.00	10.00	0.00
Second Bone Spring "B" Sand									
10,400.00	23.61	110.95	10,393.38	-17.15	44.78	23.59	10.00	10.00	0.00
10,445.62	28.17	110.95	10,434.41	-24.27	63.38	33.39	10.00	10.00	0.00
Base "B" Sand									
10,475.65	31.17	110.95	10,460.50	-29.58	77.26	40.71	10.00	10.00	0.00
Third Bone Spring Limestone									
10,500.00	33.61	110.95	10,481.06	-34.24	89.44	47.12	10.00	10.00	0.00
10,600.00	43.61	110.95	10,559.10	-56.53	147.64	77.79	10.00	10.00	0.00
10,700.00	53.61	110.95	10,625.14	-83.32	217.61	114.65	10.00	10.00	0.00
10,763.12	59.92	110.95	10,659.72	-102.19	266.90	140.62	10.00	10.00	0.00
Third Bone Spring Sand									
10,763.92	60.00	110.95	10,660.12	-102.43	267.54	140.95	10.00	10.00	0.00
Begin 10°/100' Build & Turn									
10,800.00	60.78	115.00	10,677.95	-114.68	296.41	157.34	10.00	2.17	11.23
10,900.00	63.56	125.87	10,724.73	-159.47	372.43	212.91	10.00	2.78	10.87
10,968.93	65.94	133.02	10,754.17	-199.07	420.51	259.20	10.00	3.45	10.38
Third Bone Spring WW Sand									
11,000.00	67.12	136.16	10,766.54	-219.08	440.80	281.99	10.00	3.80	10.09
11,100.00	71.30	145.88	10,802.10	-291.69	499.42	362.49	10.00	4.18	9.72
11,200.00	75.96	155.11	10,830.34	-375.11	546.53	451.97	10.00	4.66	9.23
11,200.81	76.00	155.18	10,830.53	-375.82	546.86	452.73	10.00	4.85	9.01
Base WW Sand									
11,243.09	78.08	158.96	10,840.02	-413.76	562.90	492.63	10.00	4.92	8.94
Third Bone Spring RH Sand Marker									
11,288.76	80.38	162.97	10,848.56	-456.16	577.52	536.72	10.00	5.04	8.79
Third Bone Spring RH Sand									
11,300.00	80.95	163.95	10,850.38	-466.80	580.68	547.71	10.00	5.10	8.71
11,400.00	86.15	172.55	10,861.63	-563.96	600.85	646.79	10.00	5.20	8.60
11,459.70	89.30	177.63	10,864.00	-623.37	605.95	706.29	10.00	5.28	8.50
LP, Hold 89.3° Inc at 177.63° Azm									
11,500.00	89.30	177.63	10,864.50	-663.63	607.61	746.36	0.00	0.00	0.00
11,600.00	89.30	177.63	10,865.72	-763.54	611.75	845.78	0.00	0.00	0.00
11,700.00	89.30	177.63	10,866.94	-863.45	615.89	945.20	0.00	0.00	0.00
11,800.00	89.30	177.63	10,868.16	-963.35	620.03	1,044.61	0.00	0.00	0.00
11,900.00	89.30	177.63	10,869.38	-1,063.26	624.17	1,144.03	0.00	0.00	0.00
12,000.00	89.30	177.63	10,870.60	-1,163.17	628.31	1,243.45	0.00	0.00	0.00
12,100.00	89.30	177.63	10,871.83	-1,263.07	632.44	1,342.86	0.00	0.00	0.00
12,200.00	89.30	177.63	10,873.05	-1,362.98	636.58	1,442.28	0.00	0.00	0.00
12,300.00	89.30	177.63	10,874.27	-1,462.89	640.72	1,541.70	0.00	0.00	0.00
12,400.00	89.30	177.63	10,875.49	-1,562.80	644.86	1,641.11	0.00	0.00	0.00
12,500.00	89.30	177.63	10,876.71	-1,662.70	649.00	1,740.53	0.00	0.00	0.00
12,600.00	89.30	177.63	10,877.93	-1,762.61	653.14	1,839.95	0.00	0.00	0.00
12,700.00	89.30	177.63	10,879.16	-1,862.52	657.27	1,939.36	0.00	0.00	0.00
12,800.00	89.30	177.63	10,880.38	-1,962.42	661.41	2,038.78	0.00	0.00	0.00
12,900.00	89.30	177.63	10,881.60	-2,062.33	665.55	2,138.20	0.00	0.00	0.00
13,000.00	89.30	177.63	10,882.82	-2,162.24	669.69	2,237.61	0.00	0.00	0.00
13,100.00	89.30	177.63	10,884.04	-2,262.14	673.83	2,337.03	0.00	0.00	0.00
13,200.00	89.30	177.63	10,885.26	-2,362.05	677.97	2,436.45	0.00	0.00	0.00
13,300.00	89.30	177.63	10,886.49	-2,461.96	682.10	2,535.86	0.00	0.00	0.00
13,400.00	89.30	177.63	10,887.71	-2,561.86	686.24	2,635.28	0.00	0.00	0.00
13,500.00	89.30	177.63	10,888.93	-2,661.77	690.38	2,734.70	0.00	0.00	0.00
13,600.00	89.30	177.63	10,890.15	-2,761.68	694.52	2,834.11	0.00	0.00	0.00

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North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,700.00	89.30	177.63	10,891.37	-2,861.58	698.66	2,933.53	0.00	0.00	0.00
13,800.00	89.30	177.63	10,892.59	-2,961.49	702.80	3,032.95	0.00	0.00	0.00
13,900.00	89.30	177.63	10,893.82	-3,061.40	706.93	3,132.36	0.00	0.00	0.00
14,000.00	89.30	177.63	10,895.04	-3,161.31	711.07	3,231.78	0.00	0.00	0.00
14,100.00	89.30	177.63	10,896.26	-3,261.21	715.21	3,331.20	0.00	0.00	0.00
14,200.00	89.30	177.63	10,897.48	-3,361.12	719.35	3,430.61	0.00	0.00	0.00
14,300.00	89.30	177.63	10,898.70	-3,461.03	723.49	3,530.03	0.00	0.00	0.00
14,400.00	89.30	177.63	10,899.92	-3,560.93	727.63	3,629.45	0.00	0.00	0.00
14,500.00	89.30	177.63	10,901.15	-3,660.84	731.76	3,728.86	0.00	0.00	0.00
14,600.00	89.30	177.63	10,902.37	-3,760.75	735.90	3,828.28	0.00	0.00	0.00
14,700.00	89.30	177.63	10,903.59	-3,860.65	740.04	3,927.70	0.00	0.00	0.00
14,800.00	89.30	177.63	10,904.81	-3,960.56	744.18	4,027.12	0.00	0.00	0.00
14,900.00	89.30	177.63	10,906.03	-4,060.47	748.32	4,126.53	0.00	0.00	0.00
15,000.00	89.30	177.63	10,907.25	-4,160.37	752.46	4,225.95	0.00	0.00	0.00
15,100.00	89.30	177.63	10,908.48	-4,260.28	756.59	4,325.37	0.00	0.00	0.00
15,200.00	89.30	177.63	10,909.70	-4,360.19	760.73	4,424.78	0.00	0.00	0.00
15,300.00	89.30	177.63	10,910.92	-4,460.09	764.87	4,524.20	0.00	0.00	0.00
15,400.00	89.30	177.63	10,912.14	-4,560.00	769.01	4,623.62	0.00	0.00	0.00
15,500.00	89.30	177.63	10,913.36	-4,659.91	773.15	4,723.03	0.00	0.00	0.00
15,600.00	89.30	177.63	10,914.58	-4,759.81	777.29	4,822.45	0.00	0.00	0.00
15,700.00	89.30	177.63	10,915.80	-4,859.72	781.42	4,921.87	0.00	0.00	0.00
15,800.00	89.30	177.63	10,917.03	-4,959.63	785.56	5,021.28	0.00	0.00	0.00
15,900.00	89.30	177.63	10,918.25	-5,059.54	789.70	5,120.70	0.00	0.00	0.00
16,000.00	89.30	177.63	10,919.47	-5,159.44	793.84	5,220.12	0.00	0.00	0.00
16,100.00	89.30	177.63	10,920.69	-5,259.35	797.98	5,319.53	0.00	0.00	0.00
16,189.94	89.30	177.63	10,921.79	-5,349.20	801.70	5,408.94	0.00	0.00	0.00

TD at 16189.93

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP_Espejo Fed Com 1	0.00	0.00	10,864.00	-598.90	605.10	596,590.40	748,822.30	32° 38' 15.09874 N	103° 31' 30.12830 W
- hit/miss target									
- Shape									
- plan misses target center by 0.84usft at 11435.25usft MD (10863.43 TVD, -598.98 N, 604.49 E)									
- Point									
LTP_Espejo Fed Com 1l	0.00	0.01	10,920.21	-5,219.30	796.40	591,970.00	749,013.60	32° 37' 29.36665 N	103° 31' 28.30261 W
- hit/miss target									
- Shape									
- plan misses target center by 0.08usft at 16059.92usft MD (10920.20 TVD, -5219.30 N, 796.32 E)									
- Point									
BHL_Espejo Fed Com 1	0.70	177.63	10,921.79	-5,349.20	801.70	591,840.10	749,018.90	32° 37' 28.08092 N	103° 31' 28.25220 W
- hit/miss target									
- Shape									
- plan hits target center									
- Rectangle (sides W100.00 H4,730.24 D0.00)									

Database: Compass 5000 GCR
Company: XTO Energy Inc
Project: Lea County, NM (NAD27)
Site: Espejo Federal Com
Well: 1H
Wellbore: OH
Design: Plan 1 11-19-15

Local Co-ordinate Reference: Well 1H
TVD Reference: RKB @ 3799.00usft (TBD)
MD Reference: RKB @ 3799.00usft (TBD)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,805.00	1,805.00	Rustler		0.70	171.48
1,935.00	1,935.00	Top Salt		0.70	171.48
2,085.00	2,085.00	Salado		0.70	171.48
3,270.00	3,270.00	Base Salt		0.70	171.48
3,490.00	3,490.00	Yates		0.70	171.48
3,975.00	3,975.00	Seven Rivers		0.70	171.48
4,710.00	4,710.00	Queen		0.70	171.48
4,980.00	4,980.00	Penrose Sand		0.70	171.48
5,265.00	5,265.00	Grayburg		0.70	171.48
5,930.00	5,930.00	Delaware		0.70	171.48
6,690.00	6,690.00	Brushy Canyon		0.70	171.48
7,995.00	7,995.00	Basal Brushy Canyon		0.70	171.48
8,190.00	8,190.00	"BSGL" Marker		0.70	171.48
8,210.00	8,210.00	Bone Spring		0.70	171.48
8,350.00	8,350.00	Avalon Sand		0.70	171.48
8,850.00	8,850.00	Lower Avalon Shale		0.70	171.48
9,025.00	9,025.00	First Bone Spring Limestone		0.70	171.48
9,540.00	9,540.00	First Bone Spring Sand		0.70	171.48
9,725.00	9,725.00	First Bone Spring Middle		0.70	171.48
9,845.00	9,845.00	Second Bone Spring Limestone		0.70	171.48
10,050.00	10,050.00	Second Bone Spring (Upper) Sand		0.70	171.48
10,195.02	10,195.01	Second Bone Spring Lower Limestone		0.70	171.48
10,235.21	10,235.03	Second Bone Spring Lower Sand		0.70	171.48
10,361.07	10,357.20	Second Bone Spring "B" Sand		0.70	171.48
10,445.62	10,434.41	Base "B" Sand		0.70	171.48
10,475.65	10,460.50	Third Bone Spring Limestone		0.70	171.48
10,763.12	10,659.72	Third Bone Spring Sand		0.70	171.48
10,968.93	10,754.17	Third Bone Spring WW Sand		0.70	171.48
11,200.81	10,830.53	Base WW Sand		0.70	171.48
11,243.09	10,840.02	Third Bone Spring RH Sand Marker		0.70	171.48
11,288.76	10,848.56	Third Bone Spring RH Sand		0.70	171.48

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,163.92	10,163.92	0.00	0.00	KOP, Begin 10°/100' Build
10,763.92	10,660.12	-102.43	267.54	Begin 10°/100' Build & Turn
11,459.70	10,864.00	-623.37	605.95	LP, Hold 89.3° Inc at 177.63° Azm
16,189.94	10,921.79	-5,349.20	801.70	TD at 16189.93