

Results of Directional Survey

API number:	30-025-40460		
OGRID:		Operator:	XTO ENERGY, INC
		Property:	SDE 31 FEDERAL # 18H

surface	ULSTR:	P	31	T	23S	R	32E
				350	FSL	680	FEL

BH Loc	ULSTR:	A	31	T	23S	R	32E
15254	MD	10635.4	TVD	206	FNL	389	FEL
				5074	FSL		

Top Perf/OH	ULSTR:	P	31	T	23S	R	32E
10957	MD	10717.8	TVD	788	FSL	600	FEL

Bot Perf/OH	ULSTR:	A	31	T	23S	R	32E
15050	MD	10649.3	TVD	409	FNL	383	FEL
				4871	FSL		

	MD	N/S	E/W	VD
	10950	430.91	79.07	10716.46
TOP PERFS/OH	10957	437.76	79.67	10717.75
	10983	463.22	81.90	10722.53
	14989	4459.56	297.86	10651.22
BOT PERFS/OH	15050	4520.52	297.01	10649.25
	15084	4554.50	296.54	10648.15

NEXT TO LAST	15208	4678.13	292.85	10639.48
LAST READING	15254	4723.90	290.77	10635.39
TD	15254	4723.90	290.77	10635.39

Surface Location	350	FS	680	FE
Projected BHL	5074	FS	389	FE
Location of				
Top Perfs/OH	788	FS	600	FE
Bottom Perfs/OH	4871	FS	383	FE

SUMMARY of Subsurface Locations

Surface Location	P-31-23S-32E	350	FS	680	FE	Vert. Depth
Top Perfs/OH	P-31-23S-32E	788	FS	600	FE	10717.75
Bottom Perfs/OH	A-31-23S-32E	4871	FS	383	FE	10649.25
Projected TD	A-31-23S-32E	5074	FS	389	FE	10635.39

APR 23 2014

Operator: XTO Energy
Well/Lease: SDE 31 Fed 18H
County: EDDY, NM

REC'D / MIDLAND

JAN 07 2014

STATE OF NEW MEXICO
DEVIATION REPORT

<u>Footage</u>	<u>Degree</u>
177	1.00
395	0.25
569	0.25
791	0.50
1020	0.50
1362	1.00
1644	1.25
1923	1.00
2202	1.00
2481	0.50
2760	1.00
3040	1.00
3316	1.75
3594	3.00
3688	1.50
3964	1.25
4242	2.00
4610	1.50
4943	0.75
5405	0.50
5835	0.75
6297	0.50
6761	0.75
7226	0.50
7689	0.50
8052	0.75
8618	1.25
9083	0.75
9548	1.75
10141	0.80

<u>Footage</u>	<u>Degree</u>
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HOBBS OCD

MAR 20 2014

RECEIVED

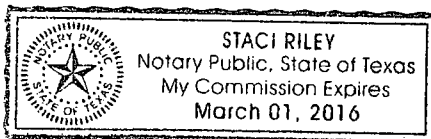
Signed By:

Charles Walsh

Charles Walsh, Division Manager
Pioneer Drilling Company

Appeared before me on Jan 6, 2014

Staci Riley
Notary Public





P.O. Box 750, Conroe, TX 77305 Phone: 936-441-7266

XTO Energy, Inc.

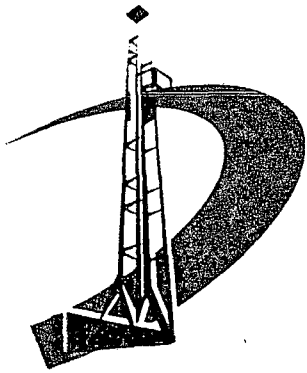
SDE 31 Federal No. 18H
Lea County, NM

December 23, 2013

Job Number LNM 5107313

Survey Completion Report

COPY



PRO DIRECTIONAL

P.O. Box 750, Conroe, TX 77305 Phone: 936-441-7266 Fax: 936-441-7268

December 23, 2013

XTO Energy, Inc.

SDE 31 Federal No. 18H
Lea County, NM

This is to certify surveys from *10,110' MD* to a depth of *15,254' MD* are true and correct MWD surveys. These surveys were taken from *12/06/2013* through *12/20/2013*.

Sincerely,

John Jordan

Well Planning



XTO Energy Inc.

Lea County, NM

SDE 31 Federal

No. 18H

OH

Survey: Prodirectional

Survey Report

23 December, 2013





Professional Directional
Survey Report with Dleg



Company: XTO Energy Inc.
Project: Lea County, NM
Site: SDE 31 Federal
Well: 18H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well 18H
TVD Reference: WELL @ 3620.00usft (Original Well Elev)
MD Reference: WELL @ 3620.00usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Well_Planner1

Project	Lea County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		SDE 31 Federal								
Site Position:		Northing:		456,887.30	usft	Latitude:		32° 15' 18.352 N		
From:		Map	Easting:		693,645.70	usft	Longitude:		103° 50' 26.273 W	
Position Uncertainty:		0.00	usft		Slot Radius:		13-3/16	"	Grid Convergence:	0.26 °

Well	18H					
Well Position	+N/-S	0.00 usft	Northing:	456,887.30 usft	Latitude:	32° 15' 18.352 N
	+E/-W	0.00 usft	Easting:	693,645.70 usft	Longitude:	103° 50' 26.273 W
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,606.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	12/13/2013	7.41	60.11	48,355

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	3.82	



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Survey Program		Date 12/23/2013			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.00	10,068.00	Survey #1 (OH)	NS-GYRO-MS	Gyro Multishot	
10,110.00	15,254.00	Survey #2 (OH)	MWD	MWD	

Survey											
MD (usft)	Inc (")	Azi (azimuth) (")	TVD (usft)	V. Sec (usft)	Build ("/100usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (")	DLeg ("/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.21	285.55	200.00	0.07	0.10	0.10	-0.35	0.37	285.55	0.10	
400.00	0.16	269.80	400.00	0.13	-0.02	0.20	-0.99	1.00	281.22	0.04	
600.00	0.20	252.05	600.00	-0.02	0.02	0.09	-1.60	1.60	273.12	0.03	
800.00	0.36	224.88	800.00	-0.62	0.08	-0.47	-2.37	2.42	258.89	0.10	
1,000.00	0.34	7.44	999.99	-0.50	-0.01	-0.32	-2.74	2.76	263.28	0.33	
1,200.00	0.24	22.84	1,199.99	0.48	-0.05	0.65	-2.50	2.58	284.62	0.06	
1,400.00	0.23	27.58	1,399.99	1.25	0.00	1.39	-2.15	2.56	302.94	0.01	
1,600.00	0.21	80.70	1,599.99	1.70	-0.01	1.81	-1.60	2.42	318.45	0.10	
1,800.00	0.12	71.13	1,799.99	1.86	-0.04	1.94	-1.04	2.20	331.67	0.05	
2,000.00	0.15	69.71	1,999.99	2.05	0.01	2.09	-0.60	2.18	344.02	0.02	
2,200.00	0.23	63.48	2,199.99	2.36	0.04	2.36	0.01	2.36	0.12	0.04	
2,400.00	0.27	52.94	2,399.98	2.87	0.02	2.83	0.74	2.92	14.67	0.03	
2,600.00	0.19	43.35	2,599.98	3.43	-0.04	3.35	1.34	3.61	21.84	0.04	
2,800.00	0.27	70.72	2,799.98	3.88	0.04	3.75	2.02	4.26	28.27	0.07	
3,000.00	0.39	20.27	2,999.98	4.71	0.06	4.54	2.70	5.28	30.69	0.15	
3,200.00	0.42	7.14	3,199.97	6.10	0.01	5.91	3.02	6.64	27.10	0.05	
3,400.00	1.01	266.34	3,399.96	6.60	0.29	6.52	1.36	6.66	11.74	0.58	
3,600.00	0.92	262.23	3,599.93	6.05	-0.04	6.19	-1.99	6.51	342.16	0.06	
3,800.00	0.75	251.33	3,799.91	5.22	-0.08	5.56	-4.83	7.36	319.04	0.12	
4,000.00	1.32	141.34	3,999.89	3.02	0.28	3.34	-4.63	5.71	305.83	0.86	



Professional Directional
Survey Report with Dleg



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Well: 18H
Wellbore: OH
Design: OH

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TVD Reference: WELL @ 3620.00usft (Original Well Elev)
MD Reference: WELL @ 3620.00usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Well_Planner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	Build (°/100usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
4,200.00	1.87	137.81	4,199.81	-0.94	0.27	-0.88	-1.00	1.33	228.64	0.28
4,400.00	2.50	135.88	4,399.67	-6.13	0.31	-6.43	4.23	7.69	146.62	0.32
4,600.00	1.16	130.96	4,599.56	-10.27	-0.67	-10.88	8.80	14.00	141.05	0.67
4,800.00	0.32	118.01	4,799.54	-11.72	-0.42	-12.47	10.82	16.51	139.06	0.43
5,000.00	0.28	100.44	4,999.54	-12.01	-0.02	-12.82	11.79	17.42	137.40	0.05
5,200.00	0.21	143.33	5,199.54	-12.35	-0.03	-13.21	12.49	18.18	136.59	0.10
5,400.00	0.27	168.19	5,399.54	-13.08	0.03	-13.96	12.81	18.95	137.47	0.06
5,600.00	0.13	195.00	5,599.54	-13.75	-0.07	-14.64	12.85	19.48	138.74	0.08
5,800.00	0.20	216.14	5,799.53	-14.27	0.03	-15.14	12.58	19.69	140.28	0.05
6,000.00	0.14	241.24	5,999.53	-14.70	-0.03	-15.54	12.16	19.74	141.96	0.05
6,200.00	0.14	236.92	6,199.53	-14.98	0.00	-15.79	11.74	19.68	143.37	0.01
6,400.00	0.13	231.77	6,399.53	-15.28	0.00	-16.07	11.36	19.68	144.74	0.01
6,600.00	0.31	218.26	6,599.53	-15.87	0.09	-16.63	10.85	19.86	146.89	0.09
6,800.00	0.34	200.09	6,799.53	-16.89	0.01	-17.62	10.31	20.41	149.66	0.05
7,000.00	0.62	185.25	6,999.52	-18.54	0.14	-19.25	10.01	21.69	152.54	0.15
7,200.00	0.78	144.47	7,199.51	-20.68	0.08	-21.44	10.70	23.96	153.48	0.26
7,400.00	2.39	97.13	7,399.43	-21.97	0.80	-23.06	15.63	27.86	145.88	0.97
7,600.00	1.55	96.06	7,599.31	-22.32	-0.42	-23.86	22.45	32.77	136.74	0.42
7,800.00	0.99	94.60	7,799.26	-22.44	-0.28	-24.29	26.87	36.22	132.11	0.28
8,000.00	0.61	141.57	7,999.24	-23.26	-0.19	-25.26	29.25	38.65	130.81	0.36
8,200.00	0.70	184.17	8,199.23	-25.27	0.04	-27.31	29.82	40.44	132.48	0.24
8,400.00	1.00	206.45	8,399.21	-28.10	0.15	-30.09	28.96	41.76	136.10	0.22
8,600.00	1.05	212.65	8,599.18	-31.31	0.02	-33.20	27.19	42.91	140.68	0.06
8,800.00	1.15	215.12	8,799.14	-34.63	0.05	-36.38	25.05	44.17	145.46	0.06
9,000.00	2.37	206.80	8,999.04	-40.16	0.61	-41.72	22.03	47.18	152.16	0.62
9,200.00	0.84	195.73	9,198.96	-45.40	-0.76	-46.82	19.77	50.82	157.11	0.78
9,400.00	0.85	98.44	9,398.94	-46.95	0.00	-48.45	20.84	52.74	156.73	0.63



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MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	Build (°/100usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	
9,600.00	1.86	92.41	9,598.89	-46.99	0.50	-48.80	25.55	55.09	152.37	0.51	
9,800.00	1.69	82.85	9,798.79	-46.35	-0.08	-48.57	31.72	58.01	146.86	0.17	
10,000.00	0.99	76.65	9,998.73	-45.28	-0.35	-47.81	36.32	60.04	142.77	0.36	
10,068.00	0.76	83.55	10,066.73	-45.03	-0.34	-47.62	37.34	60.52	141.90	0.37	
Last Gyro											
10,110.00	0.80	32.00	10,108.72	-44.72	0.10	-47.34	37.78	60.56	141.41	1.62	
ProDirectional MWD											
10,141.00	4.30	1.80	10,139.69	-43.37	11.29	-45.99	37.93	59.61	140.49	11.71	
10,172.00	7.70	6.90	10,170.51	-40.13	10.97	-42.77	38.21	57.35	138.22	11.09	
10,203.00	11.10	10.40	10,201.09	-35.09	10.97	-37.77	39.00	54.29	134.08	11.12	
10,234.00	14.60	9.80	10,231.31	-28.24	11.29	-30.98	40.21	50.76	127.62	11.30	
10,265.00	17.40	8.60	10,261.11	-19.73	9.03	-22.55	41.56	47.29	118.48	9.09	
10,296.00	19.30	7.40	10,290.53	-10.00	6.13	-12.89	42.92	44.81	106.71	6.25	
10,327.00	19.90	6.70	10,319.73	0.38	1.94	-2.57	44.19	44.27	93.32	2.08	
10,358.00	19.90	6.40	10,348.88	10.92	0.00	7.92	45.40	46.08	80.11	0.33	
10,389.00	19.90	6.00	10,378.03	21.47	0.00	18.41	46.54	50.04	68.42	0.44	
10,420.00	21.90	4.60	10,406.99	32.52	6.45	29.42	47.55	55.92	58.26	6.65	
10,451.00	25.30	1.60	10,435.40	44.92	10.97	41.81	48.20	63.80	49.06	11.63	
10,482.00	29.30	0.80	10,462.94	59.12	12.90	56.02	48.49	74.09	40.88	12.96	
10,513.00	33.70	2.00	10,489.36	75.30	14.19	72.21	48.90	87.20	34.11	14.34	
10,544.00	38.10	3.40	10,514.47	93.47	14.19	90.36	49.76	103.16	28.84	14.44	
10,575.00	42.00	4.90	10,538.19	113.41	12.58	110.25	51.22	121.56	24.92	12.96	
10,606.00	45.10	6.40	10,560.66	134.76	10.00	131.50	53.33	141.90	22.07	10.54	
10,637.00	47.90	6.70	10,582.00	157.22	9.03	153.83	55.89	163.67	19.97	9.06	
10,668.00	51.10	6.20	10,602.13	180.76	10.32	177.25	58.54	186.67	18.28	10.40	
10,699.00	54.00	5.60	10,620.98	205.35	9.35	201.73	61.07	210.77	16.84	9.48	
10,729.00	57.70	4.70	10,637.81	230.17	12.33	226.45	63.29	235.13	15.61	12.58	



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10,761.00	61.00	4.00	10,654.12	257.69	10.31	253.90	65.38	262.18	14.44	10.48	
10,791.00	64.00	4.10	10,667.98	284.30	10.00	280.44	67.26	288.39	13.49	10.00	
10,822.00	67.00	4.00	10,680.83	312.50	9.68	308.58	69.25	316.25	12.65	9.68	
10,853.00	71.00	4.20	10,691.94	341.44	12.90	337.44	71.32	344.89	11.93	12.92	
10,884.00	74.80	4.60	10,701.05	371.06	12.26	366.97	73.59	374.28	11.34	12.32	
10,950.00	78.20	5.20	10,716.46	435.22	5.15	430.91	79.07	438.10	10.40	5.23	
10,983.00	80.60	4.80	10,722.53	467.64	7.27	463.22	81.90	470.40	10.03	7.37	
11,015.00	84.00	3.90	10,726.81	499.35	10.62	494.83	84.30	501.96	9.67	10.98	
11,047.00	89.50	3.00	10,728.63	531.29	17.19	526.71	86.22	533.72	9.30	17.42	
11,078.00	93.40	2.90	10,727.84	562.27	12.58	557.65	87.82	564.53	8.95	12.58	
11,173.00	92.50	2.00	10,722.95	657.11	-0.95	652.44	91.87	658.88	8.02	1.34	
11,268.00	91.80	2.30	10,719.39	752.00	-0.74	747.31	95.44	753.37	7.28	0.80	
11,364.00	88.50	2.90	10,719.14	847.97	-3.44	843.19	99.79	849.08	6.75	3.49	
11,460.00	89.80	2.20	10,720.56	943.93	1.35	939.08	104.06	944.83	6.32	1.54	
11,555.00	90.90	1.10	10,719.98	1,038.86	1.16	1,034.04	106.80	1,039.54	5.90	1.64	
11,586.00	90.60	1.80	10,719.58	1,069.83	-0.97	1,065.03	107.58	1,070.45	5.77	2.46	
11,618.00	92.50	3.10	10,718.71	1,101.81	5.94	1,096.98	108.95	1,102.38	5.67	7.19	
11,649.00	93.10	2.90	10,717.20	1,132.76	1.94	1,127.90	110.57	1,133.31	5.60	2.04	
11,681.00	93.40	2.50	10,715.38	1,164.71	0.94	1,159.82	112.07	1,165.22	5.52	1.56	
11,713.00	93.90	3.60	10,713.34	1,196.64	1.56	1,191.71	113.77	1,197.13	5.45	3.77	
11,744.00	94.00	3.90	10,711.21	1,227.57	0.32	1,222.57	115.80	1,228.04	5.41	1.02	
11,839.00	90.30	4.70	10,707.65	1,322.48	-3.89	1,317.22	122.91	1,322.94	5.33	3.98	
11,935.00	91.00	4.30	10,706.56	1,418.46	0.73	1,412.91	130.44	1,418.92	5.27	0.84	
12,030.00	87.50	2.40	10,707.80	1,513.43	-3.68	1,507.72	135.99	1,513.84	5.15	4.19	
12,126.00	89.40	3.10	10,710.40	1,609.38	1.98	1,603.57	140.60	1,609.72	5.01	2.11	
12,221.00	90.40	3.70	10,710.56	1,704.37	1.05	1,698.40	146.23	1,704.69	4.92	1.23	
12,316.00	90.80	3.00	10,709.57	1,799.36	0.42	1,793.23	151.78	1,799.65	4.84	0.85	



Professional Directional
Survey Report with Dleg



Company: XTO Energy Inc.
Project: Lea County, NM
Site: SDE 31 Federal
Well: 18H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well 18H
TVD Reference: WELL @ 3620.00usft (Original Well Elev)
MD Reference: WELL @ 3620.00usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Well_Planner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	Build (°/100usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
12,411.00	91.00	2.70	10,708.08	1,894.34	0.21	1,888.11	156.51	1,894.58	4.74	0.38
12,507.00	92.40	2.80	10,705.23	1,990.28	1.46	1,983.95	161.11	1,990.48	4.64	1.46
12,602.00	91.40	3.50	10,702.08	2,085.22	-1.05	2,078.75	166.33	2,085.40	4.57	1.28
12,698.00	91.10	3.70	10,699.98	2,181.19	-0.31	2,174.54	172.35	2,181.36	4.53	0.38
12,793.00	89.40	3.40	10,699.57	2,276.19	-1.79	2,269.35	178.24	2,276.34	4.49	1.82
12,889.00	90.30	2.80	10,699.82	2,372.18	0.94	2,365.21	183.43	2,372.31	4.43	1.13
12,985.00	91.50	2.90	10,698.31	2,468.15	1.25	2,461.08	188.20	2,468.26	4.37	1.25
13,080.00	88.80	3.60	10,698.06	2,563.14	-2.84	2,555.92	193.59	2,563.24	4.33	2.94
13,176.00	89.60	3.40	10,699.40	2,659.12	0.83	2,651.73	199.45	2,659.22	4.30	0.86
13,271.00	91.40	2.60	10,698.58	2,754.11	1.89	2,746.59	204.42	2,754.19	4.26	2.07
13,367.00	93.80	2.50	10,694.22	2,849.98	2.50	2,842.39	208.68	2,850.04	4.20	2.50
13,462.00	95.30	1.80	10,686.68	2,944.63	1.58	2,937.02	212.24	2,944.68	4.13	1.74
13,558.00	95.10	1.60	10,677.98	3,040.17	-0.21	3,032.58	215.07	3,040.20	4.06	0.29
13,653.00	93.60	1.00	10,670.78	3,134.80	-1.58	3,127.28	217.22	3,134.82	3.97	1.70
13,748.00	92.00	2.60	10,666.14	3,229.63	-1.68	3,222.11	220.20	3,229.63	3.91	2.38
13,844.00	91.80	4.00	10,662.95	3,325.57	-0.21	3,317.90	225.73	3,325.57	3.89	1.47
13,939.00	92.00	5.10	10,659.80	3,420.51	0.21	3,412.55	233.26	3,420.51	3.91	1.18
14,035.00	91.90	5.40	10,656.54	3,516.42	-0.10	3,508.09	242.04	3,516.43	3.95	0.33
14,130.00	89.50	6.00	10,655.38	3,611.35	-2.53	3,602.60	251.47	3,611.37	3.99	2.60
14,225.00	91.10	4.70	10,654.88	3,706.31	1.68	3,697.18	260.33	3,706.34	4.03	2.17
14,320.00	91.30	4.60	10,652.89	3,801.28	0.21	3,791.85	268.03	3,801.31	4.04	0.24
14,416.00	93.70	4.90	10,648.70	3,897.17	2.50	3,887.42	275.97	3,897.21	4.06	2.52
14,511.00	90.80	4.50	10,644.97	3,992.08	-3.05	3,982.02	283.75	3,992.12	4.08	3.08
14,607.00	88.50	3.60	10,645.56	4,088.07	-2.40	4,077.77	290.53	4,088.11	4.08	2.57
14,703.00	88.50	1.70	10,648.07	4,184.01	0.00	4,173.63	294.96	4,184.04	4.04	1.98
14,798.00	88.80	0.80	10,650.31	4,278.89	0.32	4,268.58	297.03	4,278.90	3.98	1.00
14,893.00	89.60	0.30	10,651.64	4,373.72	0.84	4,363.57	297.95	4,373.73	3.91	0.99



Professional Directional Survey Report with Dleg



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Design: OH

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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Well_Planner1

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	Build (°/100usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)
14,989.00	90.90	359.60	10,651.22	4,469.50	1.35	4,459.56	297.86	4,469.50	3.82	1.54
15,084.00	92.80	358.80	10,648.15	4,564.14	2.00	4,554.50	296.54	4,564.14	3.73	2.17
15,180.00	94.70	358.10	10,641.87	4,659.51	1.98	4,650.25	293.95	4,659.53	3.62	2.11
15,208.00	95.10	357.40	10,639.48	4,687.25	1.43	4,678.13	292.85	4,687.29	3.58	2.87
15,254.00	95.10	357.40	10,635.39	4,732.78	0.00	4,723.90	290.77	4,732.84	3.52	0.00

PTB @ 15,254' MD

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,068.00	10,066.73	-47.62	37.34	Last Gyro
10,110.00	10,108.72	-47.34	37.78	ProDirectional MWD
15,254.00	10,635.39	4,723.90	290.77	PTB @ 15,254' MD