

HOBBS OCD

JAN 16 2018

RECEIVED

Chisholm Energy Holdings, LLC

Lea County, NM (NAD83)

Sec 17-T22S-R35E

Antler 17 State 2 BS 3H

Wellbore #2

Plan: Plan #2 Curve/Lateral

Standard Planning Report

11 January, 2018

Planning Report

Database:	EDM 5000.1	Local Co-ordinate Reference:	Well Antler 17 State 2 BS 3H
Company:	Chisholm Energy Holdings, LLC	TVD Reference:	KB=26 @ 3579.50ft (Latshaw 17)
Project:	Lea County, NM (NAD83)	MD Reference:	KB=26 @ 3579.50ft (Latshaw 17)
Site:	Sec 17-T22S-R35E	North Reference:	Grid
Well:	Antler 17 State 2 BS 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Plan #2 Curve/Lateral		

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 17-T22S-R35E			
Site Position:		Northing:	504,860.9800 usft	Latitude: 32.384463
From:	Map	Easting:	830,002.8900 usft	Longitude: -103.398214
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence: 0.50 °

Well	Antler 17 State 2 BS 3H			
Well Position	+N/-S	161.88 ft	Northing:	505,022.8600 usft
	+E/-W	1,163.33 ft	Easting:	831,166.2200 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level: 3,553.50 ft

Wellbore	Wellbore #2				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	1/11/2018	6.82	60.27	48,172

Design	Plan #2 Curve/Lateral			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	359.46

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	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	
9,608.00	0.00	0.00	9,608.00	0.00	0.00	0.00	0.00	0.00	0.00	
10,001.33	47.20	270.00	9,958.33	0.00	-153.06	12.00	12.00	0.00	270.00	
10,753.70	91.00	359.46	10,275.97	479.74	-509.64	12.00	5.82	11.89	88.90	
15,068.41	91.00	359.46	10,200.78	4,793.60	-550.44	0.00	0.00	0.00	-127.92	PBHL Antler 17 State

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Wellbore:	Wellbore #2		
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Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

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5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,608.00	0.00	0.00	9,608.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 12.00									
9,625.00	2.04	270.00	9,625.00	0.00	-0.30	0.00	12.00	12.00	0.00
9,650.00	5.04	270.00	9,649.95	0.00	-1.85	0.02	12.00	12.00	0.00
9,675.00	8.04	270.00	9,674.78	0.00	-4.69	0.04	12.00	12.00	0.00
9,700.00	11.04	270.00	9,699.43	0.00	-8.84	0.08	12.00	12.00	0.00
9,725.00	14.04	270.00	9,723.83	0.00	-14.26	0.13	12.00	12.00	0.00
9,750.00	17.04	270.00	9,747.92	0.00	-20.96	0.20	12.00	12.00	0.00
9,775.00	20.04	270.00	9,771.62	0.00	-28.91	0.27	12.00	12.00	0.00
9,800.00	23.04	270.00	9,794.87	0.00	-38.09	0.36	12.00	12.00	0.00
9,825.00	26.04	270.00	9,817.61	0.00	-48.47	0.46	12.00	12.00	0.00

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Wellbore:	Wellbore #2		
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Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,850.00	29.04	270.00	9,839.77	0.00	-60.03	0.57	12.00	12.00	0.00
9,875.00	32.04	270.00	9,861.30	0.00	-72.73	0.69	12.00	12.00	0.00
9,900.00	35.04	270.00	9,882.14	0.00	-86.54	0.82	12.00	12.00	0.00
9,925.00	38.04	270.00	9,902.22	0.00	-101.42	0.96	12.00	12.00	0.00
9,950.00	41.04	270.00	9,921.50	0.00	-117.34	1.11	12.00	12.00	0.00
9,975.00	44.04	270.00	9,939.91	0.00	-134.24	1.27	12.00	12.00	0.00
10,001.33	47.20	270.00	9,958.33	0.00	-153.06	1.44	12.00	12.00	0.00
Start DLS 12.00 TFO 88.90									
10,025.00	47.32	273.86	9,974.40	0.59	-170.42	2.19	12.00	0.51	16.33
10,050.00	47.59	277.92	9,991.30	2.48	-188.73	4.26	12.00	1.07	16.23
10,075.00	47.99	281.93	10,008.10	5.67	-206.97	7.62	12.00	1.63	16.05
10,100.00	48.54	285.89	10,024.75	10.16	-225.07	12.28	12.00	2.18	15.81
10,125.00	49.22	289.77	10,041.19	15.92	-242.99	18.21	12.00	2.72	15.52
10,150.00	50.02	293.56	10,057.39	22.95	-260.68	25.41	12.00	3.22	15.17
10,175.00	50.95	297.26	10,073.30	31.23	-278.10	33.85	12.00	3.71	14.80
10,200.00	51.99	300.86	10,088.88	40.73	-295.18	43.51	12.00	4.16	14.39
10,225.00	53.14	304.35	10,104.08	51.43	-311.90	54.36	12.00	4.59	13.97
10,250.00	54.38	307.73	10,118.86	63.29	-328.20	66.38	12.00	4.98	13.54
10,275.00	55.72	311.01	10,133.18	76.29	-344.03	79.53	12.00	5.35	13.11
10,300.00	57.14	314.18	10,147.01	90.39	-359.36	93.77	12.00	5.69	12.68
10,325.00	58.64	317.25	10,160.30	105.55	-374.14	109.07	12.00	6.00	12.27
10,350.00	60.21	320.22	10,173.01	121.73	-388.33	125.38	12.00	6.28	11.88
10,375.00	61.85	323.09	10,185.12	138.88	-401.90	142.66	12.00	6.54	11.50
10,400.00	63.54	325.88	10,196.59	156.96	-414.79	160.86	12.00	6.77	11.15
10,425.00	65.28	328.59	10,207.39	175.92	-426.99	179.93	12.00	6.98	10.82
10,450.00	67.08	331.22	10,217.49	195.70	-438.46	199.83	12.00	7.17	10.52
10,475.00	68.91	333.78	10,226.86	216.26	-449.16	220.48	12.00	7.34	10.24
10,500.00	70.78	336.27	10,235.48	237.53	-459.06	241.85	12.00	7.49	9.99
10,525.00	72.69	338.72	10,243.31	259.46	-468.14	263.86	12.00	7.62	9.76
10,550.00	74.62	341.11	10,250.35	281.99	-476.38	286.47	12.00	7.73	9.56
10,575.00	76.58	343.45	10,256.57	305.06	-483.75	309.60	12.00	7.83	9.38
10,600.00	78.56	345.76	10,261.95	328.59	-490.23	333.20	12.00	7.92	9.23
10,625.00	80.56	348.04	10,266.48	352.53	-495.80	357.19	12.00	7.99	9.10
10,650.00	82.57	350.29	10,270.15	376.82	-500.44	381.52	12.00	8.05	9.00
10,675.00	84.59	352.51	10,272.95	401.38	-504.16	406.11	12.00	8.09	8.92
10,700.00	86.62	354.73	10,274.86	426.15	-506.93	430.91	12.00	8.13	8.86
10,725.00	88.66	356.93	10,275.89	451.06	-508.74	455.83	12.00	8.15	8.82
10,750.00	90.70	359.13	10,276.03	476.04	-509.60	480.82	12.00	8.15	8.80
10,753.70	91.00	359.46	10,275.97	479.74	-509.64	484.52	12.00	8.15	8.81
Start DLS 0.00 TFO -127.92									
10,800.00	91.00	359.46	10,275.17	526.03	-510.08	530.82	0.00	0.00	0.00
10,900.00	91.00	359.46	10,273.42	626.01	-511.02	630.80	0.00	0.00	0.00
11,000.00	91.00	359.46	10,271.68	725.99	-511.97	730.79	0.00	0.00	0.00
11,100.00	91.00	359.46	10,269.93	825.97	-512.91	830.77	0.00	0.00	0.00
11,200.00	91.00	359.46	10,268.19	925.95	-513.85	930.76	0.00	0.00	0.00
11,300.00	91.00	359.46	10,266.44	1,025.93	-514.79	1,030.74	0.00	0.00	0.00
11,400.00	91.00	359.46	10,264.70	1,125.91	-515.74	1,130.73	0.00	0.00	0.00
11,500.00	91.00	359.46	10,262.95	1,225.89	-516.68	1,230.71	0.00	0.00	0.00
11,600.00	91.00	359.46	10,261.21	1,325.88	-517.62	1,330.69	0.00	0.00	0.00
11,700.00	91.00	359.46	10,259.46	1,425.86	-518.57	1,430.68	0.00	0.00	0.00
11,800.00	91.00	359.46	10,257.72	1,525.84	-519.51	1,530.66	0.00	0.00	0.00
11,900.00	91.00	359.46	10,255.98	1,625.82	-520.46	1,630.65	0.00	0.00	0.00
12,000.00	91.00	359.46	10,254.23	1,725.80	-521.40	1,730.63	0.00	0.00	0.00
12,100.00	91.00	359.46	10,252.49	1,825.78	-522.34	1,830.62	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.1	Local Co-ordinate Reference:	Well Antler 17 State 2 BS 3H
Company:	Chisholm Energy Holdings, LLC	TVD Reference:	KB=26 @ 3579.50ft (Latshaw 17)
Project:	Lea County, NM (NAD83)	MD Reference:	KB=26 @ 3579.50ft (Latshaw 17)
Site:	Sec 17-T22S-R35E	North Reference:	Grid
Well:	Antler 17 State 2 BS 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Plan #2 Curve/Lateral		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,200.00	91.00	359.46	10,250.75	1,925.76	-523.29	1,930.60	0.00	0.00	0.00
12,300.00	91.00	359.46	10,249.00	2,025.74	-524.23	2,030.59	0.00	0.00	0.00
12,400.00	91.00	359.46	10,247.26	2,125.72	-525.18	2,130.57	0.00	0.00	0.00
12,500.00	91.00	359.46	10,245.52	2,225.70	-526.12	2,230.56	0.00	0.00	0.00
12,600.00	91.00	359.46	10,243.77	2,325.68	-527.07	2,330.54	0.00	0.00	0.00
12,700.00	91.00	359.46	10,242.03	2,425.66	-528.01	2,430.53	0.00	0.00	0.00
12,800.00	91.00	359.46	10,240.29	2,525.64	-528.96	2,530.51	0.00	0.00	0.00
12,900.00	91.00	359.46	10,238.54	2,625.62	-529.90	2,630.50	0.00	0.00	0.00
13,000.00	91.00	359.46	10,236.80	2,725.60	-530.85	2,730.48	0.00	0.00	0.00
13,100.00	91.00	359.46	10,235.06	2,825.58	-531.80	2,830.47	0.00	0.00	0.00
13,200.00	91.00	359.46	10,233.32	2,925.56	-532.74	2,930.45	0.00	0.00	0.00
13,300.00	91.00	359.46	10,231.57	3,025.54	-533.69	3,030.44	0.00	0.00	0.00
13,400.00	91.00	359.46	10,229.83	3,125.52	-534.63	3,130.42	0.00	0.00	0.00
13,500.00	91.00	359.46	10,228.09	3,225.50	-535.58	3,230.41	0.00	0.00	0.00
13,600.00	91.00	359.46	10,226.35	3,325.48	-536.53	3,330.39	0.00	0.00	0.00
13,700.00	91.00	359.46	10,224.60	3,425.46	-537.47	3,430.38	0.00	0.00	0.00
13,800.00	91.00	359.46	10,222.86	3,525.44	-538.42	3,530.36	0.00	0.00	0.00
13,900.00	91.00	359.46	10,221.12	3,625.42	-539.37	3,630.35	0.00	0.00	0.00
14,000.00	91.00	359.46	10,219.38	3,725.40	-540.31	3,730.33	0.00	0.00	0.00
14,100.00	91.00	359.46	10,217.64	3,825.38	-541.26	3,830.32	0.00	0.00	0.00
14,200.00	91.00	359.46	10,215.90	3,925.36	-542.21	3,930.30	0.00	0.00	0.00
14,300.00	91.00	359.46	10,214.16	4,025.34	-543.16	4,030.28	0.00	0.00	0.00
14,400.00	91.00	359.46	10,212.41	4,125.32	-544.10	4,130.27	0.00	0.00	0.00
14,500.00	91.00	359.46	10,210.67	4,225.31	-545.05	4,230.25	0.00	0.00	0.00
14,600.00	91.00	359.46	10,208.93	4,325.29	-546.00	4,330.24	0.00	0.00	0.00
14,700.00	91.00	359.46	10,207.19	4,425.27	-546.95	4,430.22	0.00	0.00	0.00
14,800.00	91.00	359.46	10,205.45	4,525.25	-547.90	4,530.21	0.00	0.00	0.00
14,900.00	91.00	359.46	10,203.71	4,625.23	-548.84	4,630.19	0.00	0.00	0.00
15,000.00	91.00	359.46	10,201.97	4,725.21	-549.79	4,730.18	0.00	0.00	0.00
15,068.41	91.00	359.46	10,200.78	4,793.60	-550.44	4,798.57	0.00	0.00	0.00
TD at 15068.41 - PBHL Antler 17 State 3BS 3H									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL Antler 17 State 3E	0.00	0.00	10,200.78	4,793.60	-550.44	509,816.4500	830,615.7800	32.398069	-103.396088
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
9,608.00	9,608.00	0.00	0.00	Start Build 12.00
10,001.33	9,958.33	0.00	-153.06	Start DLS 12.00 TFO 88.90
10,753.70	10,275.97	479.74	-509.64	Start DLS 0.00 TFO -127.92
15,068.41	10,200.78	4,793.60	-550.44	TD at 15068.41