



Pro Directional
Planning Report



Database:	WellPlanner1	Local Co-ordinate Reference:	Well 6H
Company:	Devon Energy Corp.	TVD Reference:	GL 3460'+KB 24' @ 3484.00usft (Cactus 167)
Project:	Lea County, NM (NAD83)	MD Reference:	GL 3460'+KB 24' @ 3484.00usft (Cactus 167)
Site:	Gaucha 21 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

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	Gaucha 21 Fed		
Site Position:		Northing:	499,653.98 usft
From:	Map	Easting:	807,177.95 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.370678°N
		Longitude:	103.472282°W
		Grid Convergence:	0.46 °

Well	6H		
Well Position	+N/-S	-83.64 usft	Northing:
	+E/-W	1,615.17 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	
		Latitude:	32.370413°N
		Longitude:	103.467054°W
		Ground Level:	3,460.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	HDGM	8/2/2017	6.83
			Dip Angle
			(°)
			60.27
			Field Strength
			(nT)
			48,225.60

Design	Prelim Plan		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			359.69

Plan Survey Tool Program		Date	8/2/2017
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		Remarks
1	0.00	14,819.26 Prelim Plan (OH)	MWD+HDGM
			OWSG MWD + HDGM

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	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	
6,388.34	3.88	270.00	6,388.05	0.00	-13.16	1.00	1.00	0.00	270.00	
8,879.07	3.88	270.00	8,873.05	0.00	-181.84	0.00	0.00	0.00	0.00	
9,267.41	0.00	0.00	9,261.10	0.00	-195.00	1.00	-1.00	0.00	180.00	
9,767.41	0.00	0.00	9,761.10	0.00	-195.00	0.00	0.00	0.00	0.00	
10,659.15	89.17	359.69	10,334.00	564.69	-198.03	10.00	10.00	-0.03	359.69	
14,819.26	89.17	359.69	10,394.00	4,724.30	-220.38	0.00	0.00	0.00	0.00	BHL - Gaucha 6H



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Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

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
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
1,606.00	0.00	0.00	1,606.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
1,876.00	0.00	0.00	1,876.00	0.00	0.00	0.00	0.00	0.00	0.00
Top of Salt									
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
3,669.00	0.00	0.00	3,669.00	0.00	0.00	0.00	0.00	0.00	0.00
Base of Salt									
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
3,839.00	0.00	0.00	3,839.00	0.00	0.00	0.00	0.00	0.00	0.00
Yates									
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
4,181.00	0.00	0.00	4,181.00	0.00	0.00	0.00	0.00	0.00	0.00
Capitan									
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00



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Site:	Gaucha 21 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

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)
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
5,284.00	0.00	0.00	5,284.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,484.00	0.00	0.00	5,484.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon									
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
Start Build 1.00									
6,100.00	1.00	270.00	6,100.00	0.00	-0.87	0.00	1.00	1.00	0.00
6,200.00	2.00	270.00	6,199.96	0.00	-3.49	0.02	1.00	1.00	0.00
6,300.00	3.00	270.00	6,299.86	0.00	-7.85	0.04	1.00	1.00	0.00
6,388.34	3.88	270.00	6,388.05	0.00	-13.16	0.07	1.00	1.00	0.00
Start 2490.73 hold at 6388.34 MD									
6,400.00	3.88	270.00	6,399.68	0.00	-13.95	0.08	0.00	0.00	0.00
6,500.00	3.88	270.00	6,499.45	0.00	-20.72	0.11	0.00	0.00	0.00
6,600.00	3.88	270.00	6,599.22	0.00	-27.49	0.15	0.00	0.00	0.00
6,700.00	3.88	270.00	6,698.99	0.00	-34.26	0.19	0.00	0.00	0.00
6,800.00	3.88	270.00	6,798.76	0.00	-41.04	0.22	0.00	0.00	0.00
6,900.00	3.88	270.00	6,898.53	0.00	-47.81	0.26	0.00	0.00	0.00
7,000.00	3.88	270.00	6,998.30	0.00	-54.58	0.30	0.00	0.00	0.00
7,100.00	3.88	270.00	7,098.07	0.00	-61.35	0.33	0.00	0.00	0.00
7,200.00	3.88	270.00	7,197.84	0.00	-68.13	0.37	0.00	0.00	0.00
7,300.00	3.88	270.00	7,297.61	0.00	-74.90	0.41	0.00	0.00	0.00
7,400.00	3.88	270.00	7,397.38	0.00	-81.67	0.44	0.00	0.00	0.00
7,500.00	3.88	270.00	7,497.15	0.00	-88.44	0.48	0.00	0.00	0.00
7,600.00	3.88	270.00	7,596.92	0.00	-95.22	0.52	0.00	0.00	0.00
7,700.00	3.88	270.00	7,696.69	0.00	-101.99	0.55	0.00	0.00	0.00
7,800.00	3.88	270.00	7,796.46	0.00	-108.76	0.59	0.00	0.00	0.00
7,900.00	3.88	270.00	7,896.23	0.00	-115.54	0.63	0.00	0.00	0.00
8,000.00	3.88	270.00	7,996.00	0.00	-122.31	0.66	0.00	0.00	0.00
8,100.00	3.88	270.00	8,095.77	0.00	-129.08	0.70	0.00	0.00	0.00
8,200.00	3.88	270.00	8,195.54	0.00	-135.85	0.74	0.00	0.00	0.00
8,300.00	3.88	270.00	8,295.31	0.00	-142.63	0.77	0.00	0.00	0.00
8,400.00	3.88	270.00	8,395.08	0.00	-149.40	0.81	0.00	0.00	0.00
8,500.00	3.88	270.00	8,494.85	0.00	-156.17	0.84	0.00	0.00	0.00
8,508.18	3.88	270.00	8,503.01	0.00	-156.72	0.85	0.00	0.00	0.00
Bone Spring									
8,600.00	3.88	270.00	8,594.62	0.00	-162.94	0.88	0.00	0.00	0.00



Pro Directional
Planning Report



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Project:	Lea County, NM (NAD83)	MD Reference:	GL 3460'+KB 24' @ 3484.00usft (Cactus 167)
Site:	Gaucho 21 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

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)	
8,700.00	3.88	270.00	8,694.40	0.00	-169.72	0.92	0.00	0.00	0.00	
8,800.00	3.88	270.00	8,794.17	0.00	-176.49	0.95	0.00	0.00	0.00	
8,879.07	3.88	270.00	8,873.05	0.00	-181.84	0.98	0.00	0.00	0.00	
Start Drop -1.00										
8,900.00	3.67	270.00	8,893.94	0.00	-183.22	0.99	1.00	-1.00	0.00	
9,000.00	2.67	270.00	8,993.78	0.00	-188.76	1.02	1.00	-1.00	0.00	
9,100.00	1.67	270.00	9,093.71	0.00	-192.55	1.04	1.00	-1.00	0.00	
9,200.00	0.67	270.00	9,193.69	0.00	-194.60	1.05	1.00	-1.00	0.00	
9,267.41	0.00	0.00	9,261.10	0.00	-195.00	1.06	1.00	-1.00	133.50	
Start 500.00 hold at 9267.41 MD										
9,300.00	0.00	0.00	9,293.69	0.00	-195.00	1.06	0.00	0.00	0.00	
9,400.00	0.00	0.00	9,393.69	0.00	-195.00	1.06	0.00	0.00	0.00	
9,500.00	0.00	0.00	9,493.69	0.00	-195.00	1.06	0.00	0.00	0.00	
9,550.33	0.00	0.00	9,544.02	0.00	-195.00	1.06	0.00	0.00	0.00	
1st BSPG Sand										
9,600.00	0.00	0.00	9,593.69	0.00	-195.00	1.06	0.00	0.00	0.00	
9,630.33	0.00	0.00	9,624.02	0.00	-195.00	1.06	0.00	0.00	0.00	
2nd BSPG Lime										
9,700.00	0.00	0.00	9,693.69	0.00	-195.00	1.06	0.00	0.00	0.00	
9,767.41	0.00	0.00	9,761.10	0.00	-195.00	1.06	0.00	0.00	0.00	
Start DLS 10.00 TFO 359.69										
9,800.00	3.26	359.69	9,793.67	0.93	-195.00	1.98	10.00	10.00	0.00	
9,850.00	8.26	359.69	9,843.40	5.94	-195.03	7.00	10.00	10.00	0.00	
9,900.00	13.26	359.69	9,892.51	15.27	-195.08	16.33	10.00	10.00	0.00	
9,950.00	18.26	359.69	9,940.61	28.85	-195.15	29.90	10.00	10.00	0.00	
10,000.00	23.26	359.69	9,987.35	46.56	-195.25	47.62	10.00	10.00	0.00	
10,050.00	28.26	359.69	10,032.37	68.28	-195.37	69.34	10.00	10.00	0.00	
10,100.00	33.26	359.69	10,075.32	93.85	-195.50	94.90	10.00	10.00	0.00	
10,112.23	34.48	359.69	10,085.47	100.66	-195.54	101.72	10.00	10.00	0.00	
2nd BSPG Sand										
10,150.00	38.26	359.69	10,115.88	123.06	-195.66	124.11	10.00	10.00	0.00	
10,200.00	43.26	359.69	10,153.74	155.69	-195.84	156.75	10.00	10.00	0.00	
10,250.00	48.26	359.69	10,188.62	191.50	-196.03	192.56	10.00	10.00	0.00	
10,300.00	53.26	359.69	10,220.24	230.21	-196.24	231.27	10.00	10.00	0.00	
10,350.00	58.26	359.69	10,248.36	271.53	-196.46	272.59	10.00	10.00	0.00	
10,400.00	63.26	359.69	10,272.78	315.14	-196.69	316.20	10.00	10.00	0.00	
10,450.00	68.26	359.69	10,293.30	360.72	-196.94	361.78	10.00	10.00	0.00	
10,500.00	73.26	359.69	10,309.77	407.91	-197.19	408.97	10.00	10.00	0.00	
10,550.00	78.26	359.69	10,322.07	456.36	-197.45	457.42	10.00	10.00	0.00	
10,600.00	83.26	359.69	10,330.10	505.69	-197.72	506.75	10.00	10.00	0.00	
10,650.00	88.26	359.69	10,333.79	555.54	-197.98	556.60	10.00	10.00	0.00	
10,659.15	89.17	359.69	10,334.00	564.69	-198.03	565.75	10.00	10.00	0.00	
Start 4160.11 hold at 10659.15 MD										
10,700.00	89.17	359.69	10,334.59	605.53	-198.25	606.60	0.00	0.00	0.00	
10,800.00	89.17	359.69	10,336.03	705.52	-198.79	706.59	0.00	0.00	0.00	
10,900.00	89.17	359.69	10,337.47	805.51	-199.33	806.57	0.00	0.00	0.00	
11,000.00	89.17	359.69	10,338.91	905.50	-199.86	906.56	0.00	0.00	0.00	
11,100.00	89.17	359.69	10,340.36	1,005.48	-200.40	1,006.55	0.00	0.00	0.00	
11,200.00	89.17	359.69	10,341.80	1,105.47	-200.94	1,106.54	0.00	0.00	0.00	
11,300.00	89.17	359.69	10,343.24	1,205.46	-201.48	1,206.53	0.00	0.00	0.00	
11,400.00	89.17	359.69	10,344.68	1,305.45	-202.01	1,306.52	0.00	0.00	0.00	
11,500.00	89.17	359.69	10,346.13	1,405.44	-202.55	1,406.51	0.00	0.00	0.00	
11,600.00	89.17	359.69	10,347.57	1,505.43	-203.09	1,506.50	0.00	0.00	0.00	



Pro Directional
Planning Report



Database:	WellPlanner1	Local Co-ordinate Reference:	Well 6H
Company:	Devon Energy Corp.	TVD Reference:	GL 3460'+KB 24' @ 3484.00usft (Cactus 167)
Project:	Lea County, NM (NAD83)	MD Reference:	GL 3460'+KB 24' @ 3484.00usft (Cactus 167)
Site:	Gaucha 21 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,000.00	6,000.00	0.00	0.00	Start Build 1.00
6,388.34	6,388.05	0.00	-13.16	Start 2490.73 hold at 6388.34 MD
8,879.07	8,873.05	0.00	-181.84	Start Drop -1.00
9,267.41	9,261.10	0.00	-195.00	Start 500.00 hold at 9267.41 MD
9,767.41	9,761.10	0.00	-195.00	Start DLS 10.00 TFO 359.69
10,659.15	10,334.00	564.69	-198.03	Start 4160.11 hold at 10659.15 MD
14,819.26	10,394.00	4,724.30	-220.38	TD at 14819.26



Pro Directional
Planning Report



Database:	WellPlanner1	Local Co-ordinate Reference:	Well 6H
Company:	Devon Energy Corp.	TVD Reference:	GL 3460'+KB 24' @ 3484.00usft (Cactus 167)
Project:	Lea County, NM (NAD83)	MD Reference:	GL 3460'+KB 24' @ 3484.00usft (Cactus 167)
Site:	Gaucha 21 Fed	North Reference:	Grid
Well:	6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim Plan		

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)
11,700.00	89.17	359.69	10,349.01	1,605.41	-203.62	1,606.49	0.00	0.00	0.00
11,800.00	89.17	359.69	10,350.45	1,705.40	-204.16	1,706.48	0.00	0.00	0.00
11,900.00	89.17	359.69	10,351.90	1,805.39	-204.70	1,806.47	0.00	0.00	0.00
12,000.00	89.17	359.69	10,353.34	1,905.38	-205.24	1,906.46	0.00	0.00	0.00
12,100.00	89.17	359.69	10,354.78	2,005.37	-205.77	2,006.45	0.00	0.00	0.00
12,200.00	89.17	359.69	10,356.22	2,105.35	-206.31	2,106.44	0.00	0.00	0.00
12,300.00	89.17	359.69	10,357.66	2,205.34	-206.85	2,206.43	0.00	0.00	0.00
12,400.00	89.17	359.69	10,359.11	2,305.33	-207.38	2,306.42	0.00	0.00	0.00
12,500.00	89.17	359.69	10,360.55	2,405.32	-207.92	2,406.41	0.00	0.00	0.00
12,600.00	89.17	359.69	10,361.99	2,505.31	-208.46	2,506.40	0.00	0.00	0.00
12,700.00	89.17	359.69	10,363.43	2,605.29	-209.00	2,606.39	0.00	0.00	0.00
12,800.00	89.17	359.69	10,364.88	2,705.28	-209.53	2,706.38	0.00	0.00	0.00
12,900.00	89.17	359.69	10,366.32	2,805.27	-210.07	2,806.37	0.00	0.00	0.00
13,000.00	89.17	359.69	10,367.76	2,905.26	-210.61	2,906.36	0.00	0.00	0.00
13,100.00	89.17	359.69	10,369.20	3,005.25	-211.14	3,006.35	0.00	0.00	0.00
13,200.00	89.17	359.69	10,370.65	3,105.24	-211.68	3,106.34	0.00	0.00	0.00
13,300.00	89.17	359.69	10,372.09	3,205.22	-212.22	3,206.33	0.00	0.00	0.00
13,400.00	89.17	359.69	10,373.53	3,305.21	-212.76	3,306.31	0.00	0.00	0.00
13,500.00	89.17	359.69	10,374.97	3,405.20	-213.29	3,406.30	0.00	0.00	0.00
13,600.00	89.17	359.69	10,376.41	3,505.19	-213.83	3,506.29	0.00	0.00	0.00
13,700.00	89.17	359.69	10,377.86	3,605.18	-214.37	3,606.28	0.00	0.00	0.00
13,800.00	89.17	359.69	10,379.30	3,705.16	-214.90	3,706.27	0.00	0.00	0.00
13,900.00	89.17	359.69	10,380.74	3,805.15	-215.44	3,806.26	0.00	0.00	0.00
14,000.00	89.17	359.69	10,382.18	3,905.14	-215.98	3,906.25	0.00	0.00	0.00
14,100.00	89.17	359.69	10,383.63	4,005.13	-216.52	4,006.24	0.00	0.00	0.00
14,200.00	89.17	359.69	10,385.07	4,105.12	-217.05	4,106.23	0.00	0.00	0.00
14,300.00	89.17	359.69	10,386.51	4,205.11	-217.59	4,206.22	0.00	0.00	0.00
14,400.00	89.17	359.69	10,387.95	4,305.09	-218.13	4,306.21	0.00	0.00	0.00
14,500.00	89.17	359.69	10,389.40	4,405.08	-218.67	4,406.20	0.00	0.00	0.00
14,600.00	89.17	359.69	10,390.84	4,505.07	-219.20	4,506.19	0.00	0.00	0.00
14,700.00	89.17	359.69	10,392.28	4,605.06	-219.74	4,606.18	0.00	0.00	0.00
14,800.00	89.17	359.69	10,393.72	4,705.05	-220.28	4,706.17	0.00	0.00	0.00
14,819.26	89.17	359.69	10,394.00	4,724.30	-220.38	4,725.42	0.00	0.00	0.00

TD at 14819.26

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,606.00	1,606.00	Rustler		0.83	359.69
1,876.00	1,876.00	Top of Salt		0.83	359.69
3,669.00	3,669.00	Base of Salt		0.83	359.69
3,839.00	3,839.00	Yates		0.83	359.69
4,181.00	4,181.00	Capitan		0.83	359.69
5,284.00	5,284.00	Delaware		0.83	359.69
5,484.00	5,484.00	Brushy Canyon		0.83	359.69
8,508.18	8,503.01	Bone Spring		0.83	359.69
9,550.33	9,544.02	1st BSPG Sand		0.83	359.69
9,630.33	9,624.02	2nd BSPG Lime		0.83	359.69
10,112.23	10,085.47	2nd BSPG Sand		0.83	359.69