

VERDAD RESOURCES

WATTENBERG FIELD

1N-65W-31 COUNTY LINE 3130 PAD

COUNTY LINE 3130-06H

Wellbore #2

Plan: Design #1

Standard Planning Report

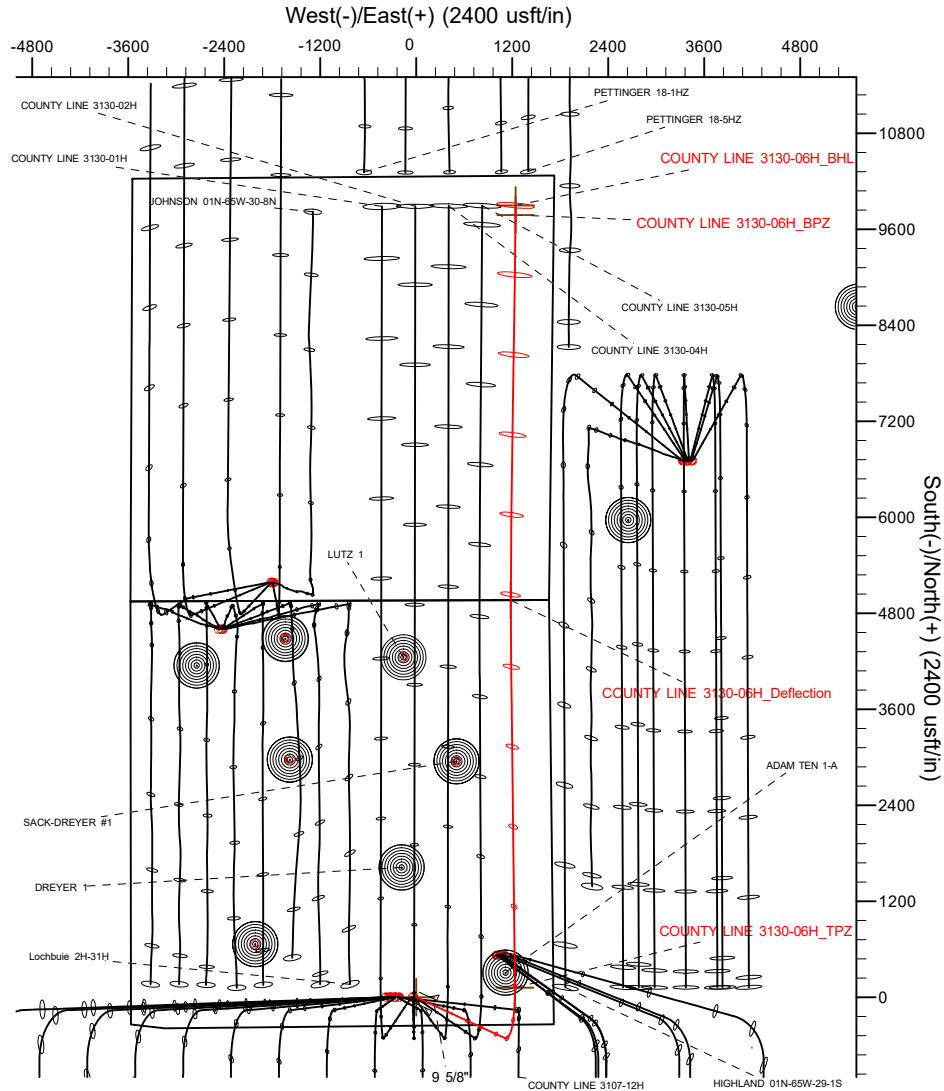
10 May, 2021

Project: WATTENBERG FIELD
Site: 1N-65W-31 COUNTY LINE 3130 PAD
Well: COUNTY LINE 3130-06H
Wellbore: Wellbore #2
Design: Design #1

VERDAD RESOURCES

CASING DETAILS

TVD	MD	Name	Size
2297.00	2333.28	9 5/8"	9-5/8

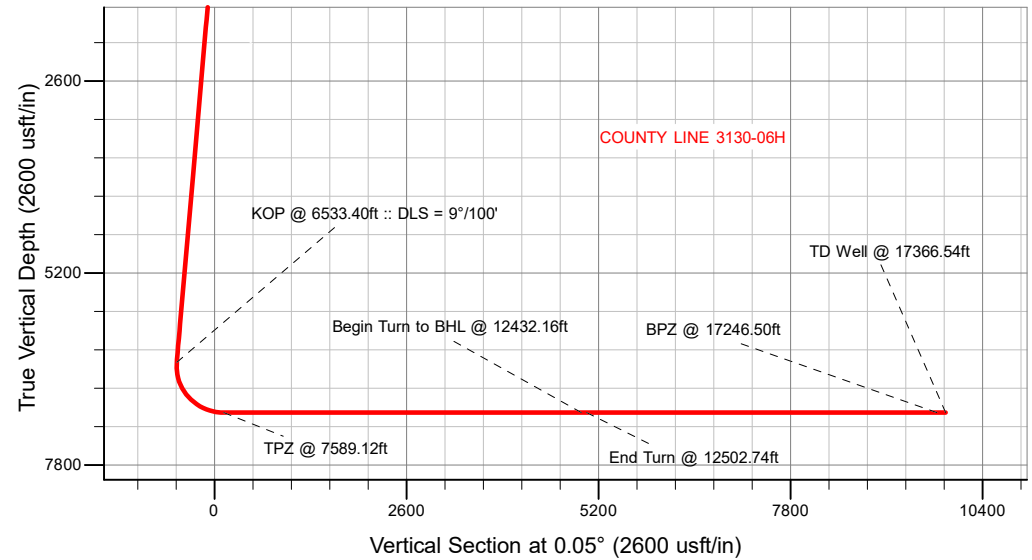


SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
202.70	0.00	0.00	202.70	0.00	0.00	0.00	0.00	0.00	
788.70	11.72	114.83	784.62	-25.08	54.20	2.00	114.83	-25.03	
6533.40	11.72	114.83	6409.56	-515.10	1113.25	0.00	0.00	-514.13	
7589.12	90.00	359.34	7090.00	120.50	1233.37	9.00	-115.02	121.58	
12432.16	90.00	359.34	7090.00	4963.22	1177.73	0.00	0.00	4964.25	COUNTY LINE 3130-06H_Deflection
12502.74	90.00	0.75	7090.00	5033.81	1177.79	2.00	90.00	5034.83	COUNTY LINE 3130-06H_BHL
17366.54	90.00	0.75	7090.00	9897.18	1241.74	0.00	0.00	9898.26	COUNTY LINE 3130-06H_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	MD	TVD	+N/-S	+E/-W	Latitude	Longitude
COUNTY LINE 3130-06H_SHL	0.00	0.00	0.00	0.00	40.001457	-104.703396
COUNTY LINE 3130-06H_TPZ	7589.12	7090.00	120.50	1233.37	40.001788	-104.698993
COUNTY LINE 3130-06H_BPZ	17246.50	7090.00	9777.15	1240.17	40.028297	-104.698968
COUNTY LINE 3130-06H_BHL	17366.54	7090.00	9897.18	1241.74	40.028626	-104.698962

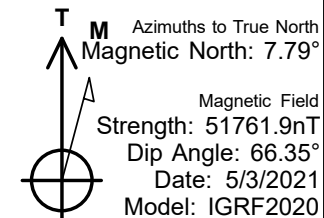


SHL
340' FSL
1715' FEL

Top of Production Zone
460' FSL
480' FEL

Bottom of Production Zone
490' FNL
480' FEL

BHL
370' FNL
480' FEL



WELL DETAILS: COUNTY LINE 3130-06H

GL = 5045'

RKB = 24' @ 5089.00usft (RIG)

Plan: Design #1 (COUNTY LINE 3130-06H/Wellbore #2)

Date: 5/10/2021

VERDAD RESOURCES

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well COUNTY LINE 3130-06H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 24' @ 5069.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 24' @ 5069.00usft (RIG)
Site:	1N-65W-31 COUNTY LINE 3130 PAD	North Reference:	True
Well:	COUNTY LINE 3130-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Design #1		

Project	WATTENBERG FIELD		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		1N-65W-31 COUNTY LINE 3130 PAD				
Site Position:		Northing:	1,244,936.30	usft	Latitude:	40.002996
From:	Lat/Long	Easting:	3,222,683.37	usft	Longitude:	-104.705093
Position Uncertainty:		0.00	usft	Slot Radius:	13-3/16	"

Well		COUNTY LINE 3130-06H				
Well Position	+N/-S	0.00 usft	Northing:	1,244,379.97 usft	Latitude:	40.001457
	+E/-W	0.00 usft	Easting:	3,223,163.62 usft	Longitude:	-104.703397
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft	Ground Level:	5,045.00 usft
Grid Convergence:		0.51 °				

Wellbore	Wellbore #2				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF202013	5/3/2021	7.79	66.35	51,761.94437359

Design	Design #1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.05	

Plan Survey Tool Program	Date	5/10/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	2,297.00	Design #1 (Wellbore #2)	ISCWSA MWD	
				Fixed:v2:standard declination	
2	2,297.00	17,366.54	Design #1 (Wellbore #2)	ISCWSA MWD	
				Fixed:v2:standard declination	

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Site:	1N-65W-31 COUNTY LINE 3130 PAD	North Reference:	True
Well:	COUNTY LINE 3130-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Design #1		

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	
202.70	0.00	0.00	202.70	0.00	0.00	0.00	0.00	0.00	0.00	
788.70	11.72	114.83	784.62	-25.08	54.20	2.00	2.00	0.00	114.83	
6,533.40	11.72	114.83	6,409.56	-515.10	1,113.25	0.00	0.00	0.00	0.00	
7,589.12	90.00	359.34	7,090.00	120.50	1,233.37	9.00	7.41	-10.94	-115.02	
12,432.16	90.00	359.34	7,090.00	4,963.22	1,177.73	0.00	0.00	0.00	0.00	COUNTY LINE 3130-
12,502.74	90.00	0.75	7,090.00	5,033.81	1,177.79	2.00	0.00	2.00	90.00	
17,366.54	90.00	0.75	7,090.00	9,897.18	1,241.74	0.00	0.00	0.00	0.00	COUNTY LINE 3130-

VERDAD RESOURCES

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Project:	WATTENBERG FIELD	MD Reference:	RKB = 24' @ 5069.00usft (RIG)
Site:	1N-65W-31 COUNTY LINE 3130 PAD	North Reference:	True
Well:	COUNTY LINE 3130-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Design #1		

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
202.70	0.00	0.00	202.70	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 202.70ft									
300.00	1.95	114.83	299.98	-0.69	1.50	-0.69	2.00	2.00	0.00
400.00	3.95	114.83	399.84	-2.85	6.16	-2.85	2.00	2.00	0.00
500.00	5.95	114.83	499.47	-6.47	13.99	-6.46	2.00	2.00	0.00
600.00	7.95	114.83	598.73	-11.55	24.96	-11.53	2.00	2.00	0.00
700.00	9.95	114.83	697.51	-18.08	39.07	-18.05	2.00	2.00	0.00
788.70	11.72	114.83	784.62	-25.08	54.20	-25.03	2.00	2.00	0.00
Hold Tangent @ 788.70ft									
800.00	11.72	114.83	795.69	-26.04	56.29	-26.00	0.00	0.00	0.00
900.00	11.72	114.83	893.60	-34.57	74.72	-34.51	0.00	0.00	0.00
1,000.00	11.72	114.83	991.52	-43.10	93.16	-43.02	0.00	0.00	0.00
1,100.00	11.72	114.83	1,089.43	-51.63	111.59	-51.54	0.00	0.00	0.00
1,200.00	11.72	114.83	1,187.35	-60.16	130.03	-60.05	0.00	0.00	0.00
1,300.00	11.72	114.83	1,285.26	-68.69	148.46	-68.56	0.00	0.00	0.00
1,400.00	11.72	114.83	1,383.18	-77.22	166.90	-77.08	0.00	0.00	0.00
1,500.00	11.72	114.83	1,481.09	-85.75	185.33	-85.59	0.00	0.00	0.00
1,600.00	11.72	114.83	1,579.01	-94.28	203.77	-94.11	0.00	0.00	0.00
1,700.00	11.72	114.83	1,676.92	-102.81	222.20	-102.62	0.00	0.00	0.00
1,800.00	11.72	114.83	1,774.84	-111.34	240.64	-111.13	0.00	0.00	0.00
1,900.00	11.72	114.83	1,872.75	-119.87	259.07	-119.65	0.00	0.00	0.00
2,000.00	11.72	114.83	1,970.67	-128.40	277.51	-128.16	0.00	0.00	0.00
2,100.00	11.72	114.83	2,068.58	-136.93	295.94	-136.68	0.00	0.00	0.00
2,200.00	11.72	114.83	2,166.50	-145.46	314.38	-145.19	0.00	0.00	0.00
2,300.00	11.72	114.83	2,264.41	-153.99	332.81	-153.70	0.00	0.00	0.00
2,333.28	11.72	114.83	2,297.00	-156.83	338.95	-156.54	0.00	0.00	0.00
9 5/8"									
2,400.00	11.72	114.83	2,362.33	-162.52	351.25	-162.22	0.00	0.00	0.00
2,500.00	11.72	114.83	2,460.24	-171.05	369.68	-170.73	0.00	0.00	0.00
2,600.00	11.72	114.83	2,558.16	-179.58	388.12	-179.24	0.00	0.00	0.00
2,700.00	11.72	114.83	2,656.08	-188.11	406.55	-187.76	0.00	0.00	0.00
2,800.00	11.72	114.83	2,753.99	-196.64	424.99	-196.27	0.00	0.00	0.00
2,900.00	11.72	114.83	2,851.91	-205.17	443.43	-204.79	0.00	0.00	0.00
3,000.00	11.72	114.83	2,949.82	-213.70	461.86	-213.30	0.00	0.00	0.00
3,100.00	11.72	114.83	3,047.74	-222.23	480.30	-221.81	0.00	0.00	0.00
3,200.00	11.72	114.83	3,145.65	-230.76	498.73	-230.33	0.00	0.00	0.00
3,300.00	11.72	114.83	3,243.57	-239.29	517.17	-238.84	0.00	0.00	0.00
3,400.00	11.72	114.83	3,341.48	-247.82	535.60	-247.36	0.00	0.00	0.00
3,500.00	11.72	114.83	3,439.40	-256.35	554.04	-255.87	0.00	0.00	0.00
3,600.00	11.72	114.83	3,537.31	-264.88	572.47	-264.38	0.00	0.00	0.00
3,700.00	11.72	114.83	3,635.23	-273.41	590.91	-272.90	0.00	0.00	0.00
3,800.00	11.72	114.83	3,733.14	-281.94	609.34	-281.41	0.00	0.00	0.00
3,900.00	11.72	114.83	3,831.06	-290.47	627.78	-289.92	0.00	0.00	0.00
4,000.00	11.72	114.83	3,928.97	-299.00	646.21	-298.44	0.00	0.00	0.00
4,100.00	11.72	114.83	4,026.89	-307.53	664.65	-306.95	0.00	0.00	0.00
4,200.00	11.72	114.83	4,124.80	-316.06	683.08	-315.47	0.00	0.00	0.00
4,300.00	11.72	114.83	4,222.72	-324.59	701.52	-323.98	0.00	0.00	0.00
4,400.00	11.72	114.83	4,320.63	-333.12	719.95	-332.49	0.00	0.00	0.00
4,500.00	11.72	114.83	4,418.55	-341.65	738.39	-341.01	0.00	0.00	0.00
4,600.00	11.72	114.83	4,516.46	-350.18	756.82	-349.52	0.00	0.00	0.00

VERDAD RESOURCES

Planning Report

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Company:	VERDAD RESOURCES	TVD Reference:	RKB = 24' @ 5069.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 24' @ 5069.00usft (RIG)
Site:	1N-65W-31 COUNTY LINE 3130 PAD	North Reference:	True
Well:	COUNTY LINE 3130-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Design #1		

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)
4,700.00	11.72	114.83	4,614.38	-358.71	775.26	-358.04	0.00	0.00	0.00
4,800.00	11.72	114.83	4,712.29	-367.24	793.69	-366.55	0.00	0.00	0.00
4,900.00	11.72	114.83	4,810.21	-375.77	812.13	-375.06	0.00	0.00	0.00
5,000.00	11.72	114.83	4,908.12	-384.30	830.56	-383.58	0.00	0.00	0.00
5,100.00	11.72	114.83	5,006.04	-392.83	849.00	-392.09	0.00	0.00	0.00
5,200.00	11.72	114.83	5,103.96	-401.36	867.43	-400.60	0.00	0.00	0.00
5,300.00	11.72	114.83	5,201.87	-409.89	885.87	-409.12	0.00	0.00	0.00
5,400.00	11.72	114.83	5,299.79	-418.42	904.30	-417.63	0.00	0.00	0.00
5,500.00	11.72	114.83	5,397.70	-426.95	922.74	-426.15	0.00	0.00	0.00
5,600.00	11.72	114.83	5,495.62	-435.48	941.17	-434.66	0.00	0.00	0.00
5,700.00	11.72	114.83	5,593.53	-444.01	959.61	-443.17	0.00	0.00	0.00
5,800.00	11.72	114.83	5,691.45	-452.54	978.04	-451.69	0.00	0.00	0.00
5,900.00	11.72	114.83	5,789.36	-461.07	996.48	-460.20	0.00	0.00	0.00
6,000.00	11.72	114.83	5,887.28	-469.60	1,014.91	-468.72	0.00	0.00	0.00
6,100.00	11.72	114.83	5,985.19	-478.13	1,033.35	-477.23	0.00	0.00	0.00
6,200.00	11.72	114.83	6,083.11	-486.66	1,051.78	-485.74	0.00	0.00	0.00
6,300.00	11.72	114.83	6,181.02	-495.19	1,070.22	-494.26	0.00	0.00	0.00
6,400.00	11.72	114.83	6,278.94	-503.72	1,088.66	-502.77	0.00	0.00	0.00
6,500.00	11.72	114.83	6,376.85	-512.25	1,107.09	-511.28	0.00	0.00	0.00
6,533.40	11.72	114.83	6,409.56	-515.10	1,113.25	-514.13	0.00	0.00	0.00
KOP @ 6533.40ft :: DLS = 9°/100'									
6,600.00	10.65	84.04	6,474.95	-517.30	1,125.52	-516.32	9.00	-1.60	-46.24
6,700.00	14.52	45.63	6,572.69	-507.55	1,143.71	-506.56	9.00	3.87	-38.40
6,800.00	21.65	27.50	6,667.76	-482.37	1,161.23	-481.36	9.00	7.12	-18.14
6,900.00	29.77	18.45	6,757.82	-442.38	1,177.63	-441.35	9.00	8.12	-9.05
7,000.00	38.26	13.08	6,840.65	-388.56	1,192.53	-387.52	9.00	8.49	-5.37
7,100.00	46.92	9.43	6,914.22	-322.24	1,205.54	-321.19	9.00	8.66	-3.65
7,200.00	55.66	6.69	6,976.70	-245.05	1,216.36	-243.99	9.00	8.74	-2.74
7,300.00	64.46	4.48	7,026.57	-158.90	1,224.71	-157.83	9.00	8.79	-2.21
7,400.00	73.28	2.57	7,062.59	-65.89	1,230.38	-64.82	9.00	8.82	-1.91
7,500.00	82.12	0.83	7,083.88	31.67	1,233.25	32.75	9.00	8.84	-1.74
7,589.12	90.00	359.34	7,090.00	120.50	1,233.37	121.58	9.00	8.85	-1.67
TPZ @ 7589.12ft									
7,600.00	90.00	359.34	7,090.00	131.39	1,233.25	132.46	0.00	0.00	0.00
7,700.00	90.00	359.34	7,090.00	231.38	1,232.10	232.45	0.00	0.00	0.00
7,800.00	90.00	359.34	7,090.00	331.37	1,230.95	332.45	0.00	0.00	0.00
7,900.00	90.00	359.34	7,090.00	431.37	1,229.80	432.44	0.00	0.00	0.00
8,000.00	90.00	359.34	7,090.00	531.36	1,228.65	532.43	0.00	0.00	0.00
8,100.00	90.00	359.34	7,090.00	631.35	1,227.50	632.42	0.00	0.00	0.00
8,200.00	90.00	359.34	7,090.00	731.35	1,226.36	732.42	0.00	0.00	0.00
8,300.00	90.00	359.34	7,090.00	831.34	1,225.21	832.41	0.00	0.00	0.00
8,400.00	90.00	359.34	7,090.00	931.33	1,224.06	932.40	0.00	0.00	0.00
8,500.00	90.00	359.34	7,090.00	1,031.33	1,222.91	1,032.39	0.00	0.00	0.00
8,600.00	90.00	359.34	7,090.00	1,131.32	1,221.76	1,132.38	0.00	0.00	0.00
8,700.00	90.00	359.34	7,090.00	1,231.31	1,220.61	1,232.38	0.00	0.00	0.00
8,800.00	90.00	359.34	7,090.00	1,331.31	1,219.46	1,332.37	0.00	0.00	0.00
8,900.00	90.00	359.34	7,090.00	1,431.30	1,218.31	1,432.36	0.00	0.00	0.00
9,000.00	90.00	359.34	7,090.00	1,531.29	1,217.16	1,532.35	0.00	0.00	0.00
9,100.00	90.00	359.34	7,090.00	1,631.29	1,216.01	1,632.35	0.00	0.00	0.00
9,200.00	90.00	359.34	7,090.00	1,731.28	1,214.87	1,732.34	0.00	0.00	0.00
9,300.00	90.00	359.34	7,090.00	1,831.27	1,213.72	1,832.33	0.00	0.00	0.00
9,400.00	90.00	359.34	7,090.00	1,931.27	1,212.57	1,932.32	0.00	0.00	0.00
9,500.00	90.00	359.34	7,090.00	2,031.26	1,211.42	2,032.32	0.00	0.00	0.00
9,600.00	90.00	359.34	7,090.00	2,131.25	1,210.27	2,132.31	0.00	0.00	0.00

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Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well COUNTY LINE 3130-06H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 24' @ 5069.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 24' @ 5069.00usft (RIG)
Site:	1N-65W-31 COUNTY LINE 3130 PAD	North Reference:	True
Well:	COUNTY LINE 3130-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Design #1		

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)	
9,700.00	90.00	359.34	7,090.00	2,231.25	1,209.12	2,232.30	0.00	0.00	0.00	
9,800.00	90.00	359.34	7,090.00	2,331.24	1,207.97	2,332.29	0.00	0.00	0.00	
9,900.00	90.00	359.34	7,090.00	2,431.23	1,206.82	2,432.29	0.00	0.00	0.00	
10,000.00	90.00	359.34	7,090.00	2,531.23	1,205.67	2,532.28	0.00	0.00	0.00	
10,100.00	90.00	359.34	7,090.00	2,631.22	1,204.52	2,632.27	0.00	0.00	0.00	
10,200.00	90.00	359.34	7,090.00	2,731.21	1,203.38	2,732.26	0.00	0.00	0.00	
10,300.00	90.00	359.34	7,090.00	2,831.21	1,202.23	2,832.25	0.00	0.00	0.00	
10,400.00	90.00	359.34	7,090.00	2,931.20	1,201.08	2,932.25	0.00	0.00	0.00	
10,500.00	90.00	359.34	7,090.00	3,031.19	1,199.93	3,032.24	0.00	0.00	0.00	
10,600.00	90.00	359.34	7,090.00	3,131.19	1,198.78	3,132.23	0.00	0.00	0.00	
10,700.00	90.00	359.34	7,090.00	3,231.18	1,197.63	3,232.22	0.00	0.00	0.00	
10,800.00	90.00	359.34	7,090.00	3,331.17	1,196.48	3,332.22	0.00	0.00	0.00	
10,900.00	90.00	359.34	7,090.00	3,431.17	1,195.33	3,432.21	0.00	0.00	0.00	
11,000.00	90.00	359.34	7,090.00	3,531.16	1,194.18	3,532.20	0.00	0.00	0.00	
11,100.00	90.00	359.34	7,090.00	3,631.15	1,193.04	3,632.19	0.00	0.00	0.00	
11,200.00	90.00	359.34	7,090.00	3,731.15	1,191.89	3,732.19	0.00	0.00	0.00	
11,300.00	90.00	359.34	7,090.00	3,831.14	1,190.74	3,832.18	0.00	0.00	0.00	
11,400.00	90.00	359.34	7,090.00	3,931.13	1,189.59	3,932.17	0.00	0.00	0.00	
11,500.00	90.00	359.34	7,090.00	4,031.13	1,188.44	4,032.16	0.00	0.00	0.00	
11,600.00	90.00	359.34	7,090.00	4,131.12	1,187.29	4,132.16	0.00	0.00	0.00	
11,700.00	90.00	359.34	7,090.00	4,231.11	1,186.14	4,232.15	0.00	0.00	0.00	
11,800.00	90.00	359.34	7,090.00	4,331.11	1,184.99	4,332.14	0.00	0.00	0.00	
11,900.00	90.00	359.34	7,090.00	4,431.10	1,183.84	4,432.13	0.00	0.00	0.00	
12,000.00	90.00	359.34	7,090.00	4,531.09	1,182.69	4,532.13	0.00	0.00	0.00	
12,100.00	90.00	359.34	7,090.00	4,631.09	1,181.55	4,632.12	0.00	0.00	0.00	
12,200.00	90.00	359.34	7,090.00	4,731.08	1,180.40	4,732.11	0.00	0.00	0.00	
12,300.00	90.00	359.34	7,090.00	4,831.07	1,179.25	4,832.10	0.00	0.00	0.00	
12,400.00	90.00	359.34	7,090.00	4,931.07	1,178.10	4,932.09	0.00	0.00	0.00	
12,432.16	90.00	359.34	7,090.00	4,963.22	1,177.73	4,964.25	0.00	0.00	0.00	
Begin Turn to BHL @ 12432.16ft										
12,500.00	90.00	0.70	7,090.00	5,031.06	1,177.75	5,032.09	2.00	0.00	2.00	
12,502.74	90.00	0.75	7,090.00	5,033.81	1,177.79	5,034.83	2.00	0.00	2.00	
End Turn @ 12502.74ft										
12,600.00	90.00	0.75	7,090.00	5,131.06	1,179.07	5,132.08	0.00	0.00	0.00	
12,700.00	90.00	0.75	7,090.00	5,231.05	1,180.38	5,232.08	0.00	0.00	0.00	
12,800.00	90.00	0.75	7,090.00	5,331.04	1,181.70	5,332.07	0.00	0.00	0.00	
12,900.00	90.00	0.75	7,090.00	5,431.03	1,183.01	5,432.06	0.00	0.00	0.00	
13,000.00	90.00	0.75	7,090.00	5,531.02	1,184.33	5,532.05	0.00	0.00	0.00	
13,100.00	90.00	0.75	7,090.00	5,631.01	1,185.64	5,632.05	0.00	0.00	0.00	
13,200.00	90.00	0.75	7,090.00	5,731.00	1,186.96	5,732.04	0.00	0.00	0.00	
13,300.00	90.00	0.75	7,090.00	5,831.00	1,188.27	5,832.03	0.00	0.00	0.00	
13,400.00	90.00	0.75	7,090.00	5,930.99	1,189.58	5,932.02	0.00	0.00	0.00	
13,500.00	90.00	0.75	7,090.00	6,030.98	1,190.90	6,032.02	0.00	0.00	0.00	
13,600.00	90.00	0.75	7,090.00	6,130.97	1,192.21	6,132.01	0.00	0.00	0.00	
13,700.00	90.00	0.75	7,090.00	6,230.96	1,193.53	6,232.00	0.00	0.00	0.00	
13,800.00	90.00	0.75	7,090.00	6,330.95	1,194.84	6,331.99	0.00	0.00	0.00	
13,900.00	90.00	0.75	7,090.00	6,430.94	1,196.16	6,431.99	0.00	0.00	0.00	
14,000.00	90.00	0.75	7,090.00	6,530.93	1,197.47	6,531.98	0.00	0.00	0.00	
14,100.00	90.00	0.75	7,090.00	6,630.93	1,198.79	6,631.97	0.00	0.00	0.00	
14,200.00	90.00	0.75	7,090.00	6,730.92	1,200.10	6,731.96	0.00	0.00	0.00	
14,300.00	90.00	0.75	7,090.00	6,830.91	1,201.42	6,831.95	0.00	0.00	0.00	
14,400.00	90.00	0.75	7,090.00	6,930.90	1,202.73	6,931.95	0.00	0.00	0.00	
14,500.00	90.00	0.75	7,090.00	7,030.89	1,204.05	7,031.94	0.00	0.00	0.00	
14,600.00	90.00	0.75	7,090.00	7,130.88	1,205.36	7,131.93	0.00	0.00	0.00	

VERDAD RESOURCES

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well COUNTY LINE 3130-06H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 24' @ 5069.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 24' @ 5069.00usft (RIG)
Site:	1N-65W-31 COUNTY LINE 3130 PAD	North Reference:	True
Well:	COUNTY LINE 3130-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #2		
Design:	Design #1		

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)	
14,700.00	90.00	0.75	7,090.00	7,230.87	1,206.68	7,231.92	0.00	0.00	0.00	
14,800.00	90.00	0.75	7,090.00	7,330.87	1,207.99	7,331.92	0.00	0.00	0.00	
14,900.00	90.00	0.75	7,090.00	7,430.86	1,209.31	7,431.91	0.00	0.00	0.00	
15,000.00	90.00	0.75	7,090.00	7,530.85	1,210.62	7,531.90	0.00	0.00	0.00	
15,100.00	90.00	0.75	7,090.00	7,630.84	1,211.94	7,631.89	0.00	0.00	0.00	
15,200.00	90.00	0.75	7,090.00	7,730.83	1,213.25	7,731.89	0.00	0.00	0.00	
15,300.00	90.00	0.75	7,090.00	7,830.82	1,214.57	7,831.88	0.00	0.00	0.00	
15,400.00	90.00	0.75	7,090.00	7,930.81	1,215.88	7,931.87	0.00	0.00	0.00	
15,500.00	90.00	0.75	7,090.00	8,030.81	1,217.19	8,031.86	0.00	0.00	0.00	
15,600.00	90.00	0.75	7,090.00	8,130.80	1,218.51	8,131.86	0.00	0.00	0.00	
15,700.00	90.00	0.75	7,090.00	8,230.79	1,219.82	8,231.85	0.00	0.00	0.00	
15,800.00	90.00	0.75	7,090.00	8,330.78	1,221.14	8,331.84	0.00	0.00	0.00	
15,900.00	90.00	0.75	7,090.00	8,430.77	1,222.45	8,431.83	0.00	0.00	0.00	
16,000.00	90.00	0.75	7,090.00	8,530.76	1,223.77	8,531.83	0.00	0.00	0.00	
16,100.00	90.00	0.75	7,090.00	8,630.75	1,225.08	8,631.82	0.00	0.00	0.00	
16,200.00	90.00	0.75	7,090.00	8,730.74	1,226.40	8,731.81	0.00	0.00	0.00	
16,300.00	90.00	0.75	7,090.00	8,830.74	1,227.71	8,831.80	0.00	0.00	0.00	
16,400.00	90.00	0.75	7,090.00	8,930.73	1,229.03	8,931.80	0.00	0.00	0.00	
16,500.00	90.00	0.75	7,090.00	9,030.72	1,230.34	9,031.79	0.00	0.00	0.00	
16,600.00	90.00	0.75	7,090.00	9,130.71	1,231.66	9,131.78	0.00	0.00	0.00	
16,700.00	90.00	0.75	7,090.00	9,230.70	1,232.97	9,231.77	0.00	0.00	0.00	
16,800.00	90.00	0.75	7,090.00	9,330.69	1,234.29	9,331.77	0.00	0.00	0.00	
16,900.00	90.00	0.75	7,090.00	9,430.68	1,235.60	9,431.76	0.00	0.00	0.00	
17,000.00	90.00	0.75	7,090.00	9,530.68	1,236.92	9,531.75	0.00	0.00	0.00	
17,100.00	90.00	0.75	7,090.00	9,630.67	1,238.23	9,631.74	0.00	0.00	0.00	
17,200.00	90.00	0.75	7,090.00	9,730.66	1,239.55	9,731.74	0.00	0.00	0.00	
17,246.50	90.00	0.75	7,090.00	9,777.15	1,240.16	9,778.23	0.00	0.00	0.00	
BPZ @ 17246.50ft										
17,300.00	90.00	0.75	7,090.00	9,830.65	1,240.86	9,831.73	0.00	0.00	0.00	
17,366.54	90.00	0.75	7,090.00	9,897.18	1,241.74	9,898.26	0.00	0.00	0.00	
TD Well @ 17366.54ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
2,333.28	2,297.00	9 5/8"		9-5/8	13-1/2

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
202.70	202.70	0.00	0.00	Begin Nudge @ 202.70ft	
788.70	784.62	-25.08	54.20	Hold Tangent @ 788.70ft	
6,533.40	6,409.56	-515.10	1,113.25	KOP @ 6533.40ft :: DLS = 9°/100'	
7,589.12	7,090.00	120.50	1,233.37	TPZ @ 7589.12ft	
12,432.16	7,090.00	4,963.22	1,177.73	Begin Turn to BHL @ 12432.16ft	
12,502.74	7,090.00	5,033.81	1,177.79	End Turn @ 12502.74ft	
17,246.50	7,090.00	9,777.15	1,240.16	BPZ @ 17246.50ft	
17,366.54	7,090.00	9,897.18	1,241.74	TD Well @ 17366.54ft	