

# **VERDAD RESOURCES**

**WATTENBERG FIELD  
2N-64W-28 GEORGENE PAD  
GEORGENE 2833-05H**

**Plan B**

**Plan: Design #3**

## **Standard Planning Report**

**28 October, 2022**

Project: WATTENBERG FIELD  
Site: 2N-64W-28 GEORGENE PAD  
Well: GEORGENE 2833-05H  
Wellbore: Plan B  
Design: Design #3

# VERDAD RESOURCES

## CASING DETAILS

TVD	MD	Name	Size
2376.00	2528.75	9 5/8"	9-5/8

SHL  
222' FSL  
627' FEL

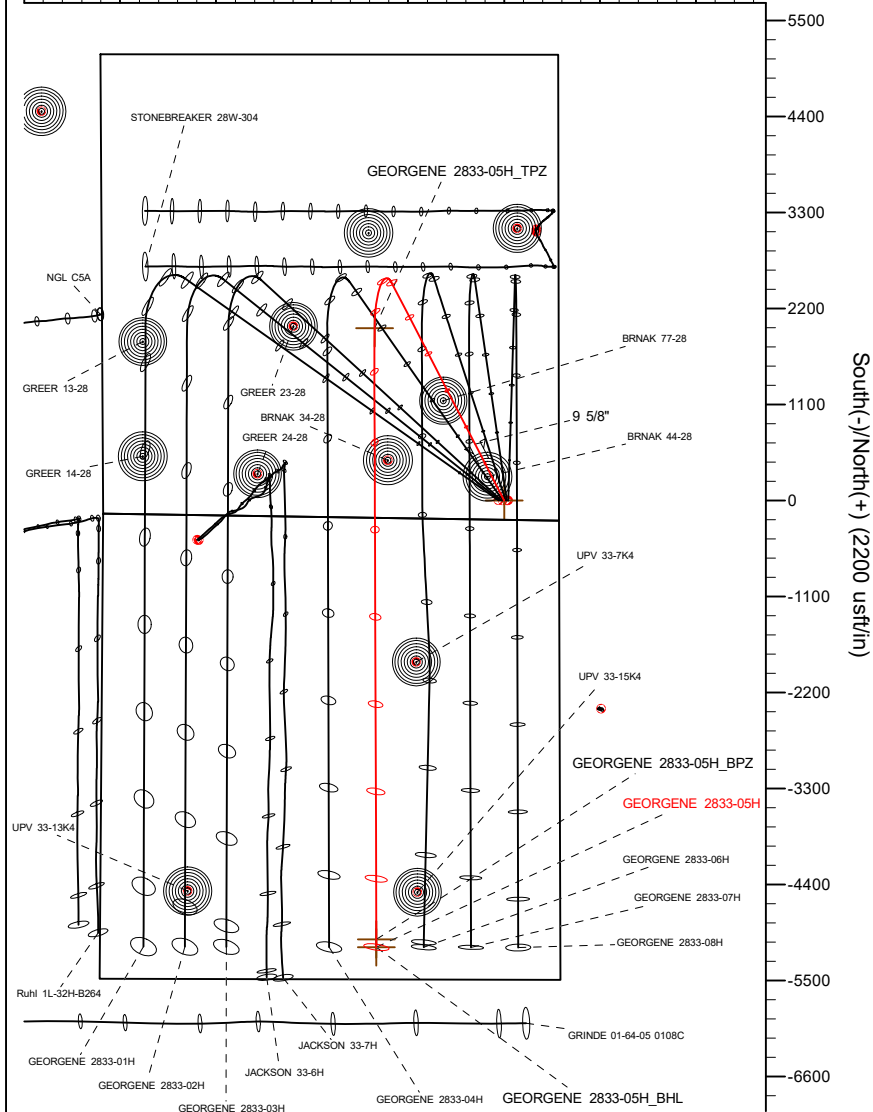
LP/TPZ  
2172' FSL  
2108' FEL

BPZ  
460' FSL  
2108' FEL

BHL  
370' FSL  
2108' FEL

West(-)/East(+) (2200 usft/in)

5500 -4400 -3300 -2200 -1100 0 1100 2200

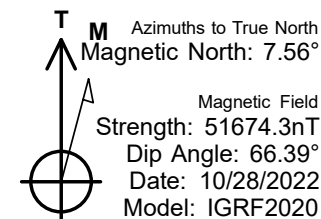
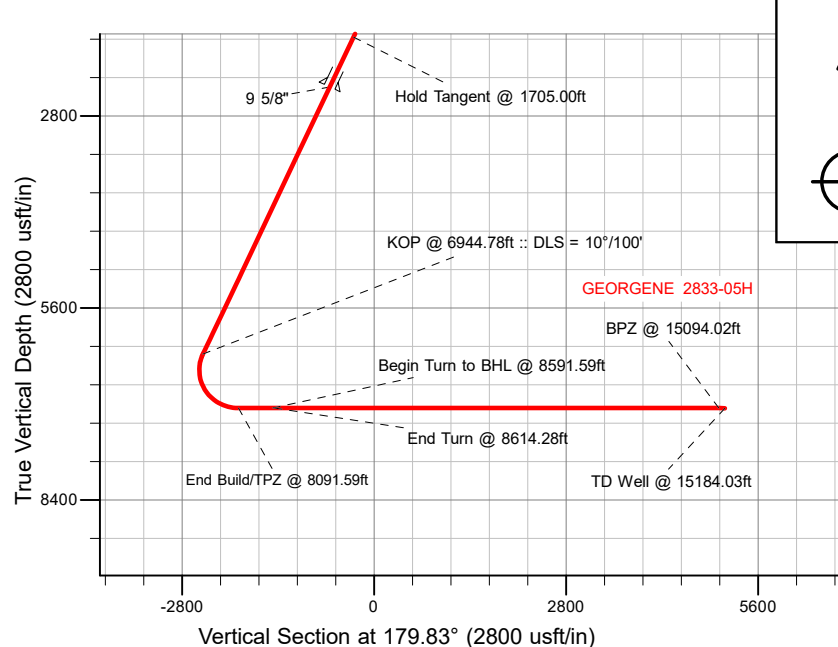


## SECTION DETAILS

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	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
1705.00	28.10	332.69	1649.35	300.04	-154.93	2.00	332.69	-300.50	
6944.78	28.10	332.69	6271.50	2492.95	-1287.26	0.00	0.00	-2496.76	
8091.59	90.00	180.25	7060.00	1973.19	-1484.32	10.00	-149.39	-1977.59	
8591.59	90.00	180.25	7060.00	1473.19	-1486.51	0.00	0.00	-1477.60	
8614.28	90.00	179.80	7060.00	1450.51	-1486.52	2.00	-90.00	-1454.91	
15184.03	90.00	179.80	7060.00	-5119.20	-1463.16	0.00	0.00	5114.84	GEORGENE 2833-05H_BHL

## DESIGN TARGET DETAILS

Name	TVD	Northing	Easting	Latitude	Longitude
GEORGENE 2833-05H_SHL	0.00	1281682.28	3266017.24	40.102694	-104.549009
GEORGENE 2833-05H_TPZ	7060.00	1283639.43	3264511.86	40.108111	-104.554316
GEORGENE 2833-05H_BPZ	7060.00	1276637.67	3264607.83	40.088888	-104.554240
GEORGENE 2833-05H_BHL	7060.00	1276547.68	3264609.06	40.088641	-104.554239



## WELL DETAILS: GEORGENE 2833-05H

GL = 5018'  
RKB = 24' @ 5042.00usft (RIG)

Plan: Design #3 (GEORGENE 2833-05H/Plan B)

Date: 10/28/2022

## Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well GEORGENE 2833-05H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Site:</b>	2N-64W-28 GEORGENE PAD	<b>North Reference:</b>	True
<b>Well:</b>	GEORGENE 2833-05H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan B		
<b>Design:</b>	Design #3		

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

<b>Site</b>	2N-64W-28 GEORGENE PAD			
<b>Site Position:</b>		<b>Northing:</b>	1,281,723.49 usft	<b>Latitude:</b> 40.102807
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,266,028.51 usft	<b>Longitude:</b> -104.548967
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	

<b>Well</b>	GEORGENE 2833-05H			
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	1,281,682.28 usft
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	3,266,017.24 usft
<b>Position Uncertainty</b>		3.28 usft	<b>Wellhead Elevation:</b>	usft
<b>Grid Convergence:</b>		0.61 °	<b>Ground Level:</b>	5,018.00 usft

<b>Wellbore</b>	Plan B				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF202013	10/28/2022	7.56	66.39	51,674.28566326

<b>Design</b>	Design #3				
<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	179.83	

<b>Plan Survey Tool Program</b>	<b>Date</b>	10/28/2022			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	2,376.00	Design #3 (Plan B)	ISCWSA MWD	Fixed:v2:standard declination
2	2,376.00	15,184.03	Design #3 (Plan B)	ISCWSA MWD	Fixed:v2:standard declination

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well GEORGENE 2833-05H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 24' @ 5042.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 24' @ 5042.00usft (RIG)
Site:	2N-64W-28 GEORGENE PAD	North Reference:	True
Well:	GEORGENE 2833-05H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan B		
Design:	Design #3		

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	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,705.00	28.10	332.69	1,649.35	300.04	-154.93	2.00	2.00	0.00	332.69	
6,944.78	28.10	332.69	6,271.50	2,492.95	-1,287.26	0.00	0.00	0.00	0.00	
8,091.59	90.00	180.25	7,060.00	1,973.19	-1,484.32	10.00	5.40	-13.29	-149.39	
8,591.59	90.00	180.25	7,060.00	1,473.19	-1,486.51	0.00	0.00	0.00	0.00	
8,614.28	90.00	179.80	7,060.00	1,450.51	-1,486.52	2.00	0.00	-2.00	-90.00	
15,184.03	90.00	179.80	7,060.00	-5,119.20	-1,463.16	0.00	0.00	0.00	0.00	GEORGENE 2833-05

# Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well GEORGENE 2833-05H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Site:</b>	2N-64W-28 GEORGENE PAD	<b>North Reference:</b>	True
<b>Well:</b>	GEORGENE 2833-05H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan B		
<b>Design:</b>	Design #3		

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
Begin Nudge @ 300.00ft									
400.00	2.00	332.69	399.98	1.55	-0.80	-1.55	2.00	2.00	0.00
500.00	4.00	332.69	499.84	6.20	-3.20	-6.21	2.00	2.00	0.00
600.00	6.00	332.69	599.45	13.94	-7.20	-13.97	2.00	2.00	0.00
700.00	8.00	332.69	698.70	24.77	-12.79	-24.81	2.00	2.00	0.00
800.00	10.00	332.69	797.47	38.67	-19.97	-38.73	2.00	2.00	0.00
900.00	12.00	332.69	895.62	55.62	-28.72	-55.71	2.00	2.00	0.00
1,000.00	14.00	332.69	993.06	75.61	-39.04	-75.73	2.00	2.00	0.00
1,100.00	16.00	332.69	1,089.64	98.61	-50.92	-98.76	2.00	2.00	0.00
1,200.00	18.00	332.69	1,185.27	124.58	-64.33	-124.77	2.00	2.00	0.00
1,300.00	20.00	332.69	1,279.82	153.51	-79.27	-153.75	2.00	2.00	0.00
1,400.00	22.00	332.69	1,373.17	185.35	-95.71	-185.63	2.00	2.00	0.00
1,500.00	24.00	332.69	1,465.21	220.07	-113.63	-220.40	2.00	2.00	0.00
1,600.00	26.00	332.69	1,555.84	257.62	-133.02	-258.01	2.00	2.00	0.00
1,705.00	28.10	332.69	1,649.35	300.04	-154.93	-300.50	2.00	2.00	0.00
Hold Tangent @ 1705.00ft									
1,800.00	28.10	332.69	1,733.15	339.80	-175.46	-340.32	0.00	0.00	0.00
1,900.00	28.10	332.69	1,821.36	381.65	-197.07	-382.24	0.00	0.00	0.00
2,000.00	28.10	332.69	1,909.58	423.50	-218.68	-424.15	0.00	0.00	0.00
2,100.00	28.10	332.69	1,997.79	465.35	-240.29	-466.07	0.00	0.00	0.00
2,200.00	28.10	332.69	2,086.00	507.21	-261.90	-507.98	0.00	0.00	0.00
2,300.00	28.10	332.69	2,174.22	549.06	-283.51	-549.90	0.00	0.00	0.00
2,400.00	28.10	332.69	2,262.43	590.91	-305.12	-591.81	0.00	0.00	0.00
2,500.00	28.10	332.69	2,350.64	632.76	-326.73	-633.73	0.00	0.00	0.00
2,528.75	28.10	332.69	2,376.00	644.79	-332.94	-645.78	0.00	0.00	0.00
9 5/8"									
2,600.00	28.10	332.69	2,438.85	674.61	-348.34	-675.64	0.00	0.00	0.00
2,700.00	28.10	332.69	2,527.07	716.46	-369.95	-717.56	0.00	0.00	0.00
2,800.00	28.10	332.69	2,615.28	758.31	-391.56	-759.47	0.00	0.00	0.00
2,900.00	28.10	332.69	2,703.49	800.16	-413.17	-801.39	0.00	0.00	0.00
3,000.00	28.10	332.69	2,791.70	842.02	-434.78	-843.30	0.00	0.00	0.00
3,100.00	28.10	332.69	2,879.92	883.87	-456.39	-885.22	0.00	0.00	0.00
3,200.00	28.10	332.69	2,968.13	925.72	-478.00	-927.13	0.00	0.00	0.00
3,300.00	28.10	332.69	3,056.34	967.57	-499.61	-969.05	0.00	0.00	0.00
3,400.00	28.10	332.69	3,144.55	1,009.42	-521.22	-1,010.96	0.00	0.00	0.00
3,500.00	28.10	332.69	3,232.77	1,051.27	-542.83	-1,052.88	0.00	0.00	0.00
3,600.00	28.10	332.69	3,320.98	1,093.12	-564.44	-1,094.79	0.00	0.00	0.00
3,700.00	28.10	332.69	3,409.19	1,134.97	-586.05	-1,136.71	0.00	0.00	0.00
3,800.00	28.10	332.69	3,497.41	1,176.82	-607.66	-1,178.62	0.00	0.00	0.00
3,900.00	28.10	332.69	3,585.62	1,218.68	-629.27	-1,220.54	0.00	0.00	0.00
4,000.00	28.10	332.69	3,673.83	1,260.53	-650.89	-1,262.45	0.00	0.00	0.00
4,100.00	28.10	332.69	3,762.04	1,302.38	-672.50	-1,304.37	0.00	0.00	0.00
4,200.00	28.10	332.69	3,850.26	1,344.23	-694.11	-1,346.28	0.00	0.00	0.00
4,300.00	28.10	332.69	3,938.47	1,386.08	-715.72	-1,388.20	0.00	0.00	0.00
4,400.00	28.10	332.69	4,026.68	1,427.93	-737.33	-1,430.11	0.00	0.00	0.00
4,500.00	28.10	332.69	4,114.89	1,469.78	-758.94	-1,472.03	0.00	0.00	0.00
4,600.00	28.10	332.69	4,203.11	1,511.63	-780.55	-1,513.94	0.00	0.00	0.00
4,700.00	28.10	332.69	4,291.32	1,553.48	-802.16	-1,555.86	0.00	0.00	0.00
4,800.00	28.10	332.69	4,379.53	1,595.34	-823.77	-1,597.77	0.00	0.00	0.00

# Planning Report

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<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Site:</b>	2N-64W-28 GEORGENE PAD	<b>North Reference:</b>	True
<b>Well:</b>	GEORGENE 2833-05H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan B		
<b>Design:</b>	Design #3		

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)	
4,900.00	28.10	332.69	4,467.75	1,637.19	-845.38	-1,639.69	0.00	0.00	0.00	
5,000.00	28.10	332.69	4,555.96	1,679.04	-866.99	-1,681.60	0.00	0.00	0.00	
5,100.00	28.10	332.69	4,644.17	1,720.89	-888.60	-1,723.52	0.00	0.00	0.00	
5,200.00	28.10	332.69	4,732.38	1,762.74	-910.21	-1,765.43	0.00	0.00	0.00	
5,300.00	28.10	332.69	4,820.60	1,804.59	-931.82	-1,807.35	0.00	0.00	0.00	
5,400.00	28.10	332.69	4,908.81	1,846.44	-953.43	-1,849.26	0.00	0.00	0.00	
5,500.00	28.10	332.69	4,997.02	1,888.29	-975.04	-1,891.18	0.00	0.00	0.00	
5,600.00	28.10	332.69	5,085.23	1,930.15	-996.65	-1,933.09	0.00	0.00	0.00	
5,700.00	28.10	332.69	5,173.45	1,972.00	-1,018.26	-1,975.01	0.00	0.00	0.00	
5,800.00	28.10	332.69	5,261.66	2,013.85	-1,039.87	-2,016.92	0.00	0.00	0.00	
5,900.00	28.10	332.69	5,349.87	2,055.70	-1,061.48	-2,058.84	0.00	0.00	0.00	
6,000.00	28.10	332.69	5,438.08	2,097.55	-1,083.09	-2,100.75	0.00	0.00	0.00	
6,100.00	28.10	332.69	5,526.30	2,139.40	-1,104.70	-2,142.67	0.00	0.00	0.00	
6,200.00	28.10	332.69	5,614.51	2,181.25	-1,126.31	-2,184.58	0.00	0.00	0.00	
6,300.00	28.10	332.69	5,702.72	2,223.10	-1,147.92	-2,226.50	0.00	0.00	0.00	
6,400.00	28.10	332.69	5,790.94	2,264.95	-1,169.53	-2,268.41	0.00	0.00	0.00	
6,500.00	28.10	332.69	5,879.15	2,306.81	-1,191.14	-2,310.33	0.00	0.00	0.00	
6,600.00	28.10	332.69	5,967.36	2,348.66	-1,212.75	-2,352.24	0.00	0.00	0.00	
6,700.00	28.10	332.69	6,055.57	2,390.51	-1,234.36	-2,394.16	0.00	0.00	0.00	
6,800.00	28.10	332.69	6,143.79	2,432.36	-1,255.97	-2,436.07	0.00	0.00	0.00	
6,900.00	28.10	332.69	6,232.00	2,474.21	-1,277.58	-2,477.99	0.00	0.00	0.00	
6,944.78	28.10	332.69	6,271.50	2,492.95	-1,287.26	-2,496.76	0.00	0.00	0.00	
KOP @ 6944.78ft :: DLS = 10°/100'										
6,950.00	27.65	332.12	6,276.11	2,495.11	-1,288.39	-2,498.93	10.00	-8.58	-10.97	
7,000.00	23.50	325.63	6,321.21	2,513.61	-1,299.45	-2,517.46	10.00	-8.30	-12.97	
7,050.00	19.73	316.70	6,367.70	2,527.99	-1,310.87	-2,531.87	10.00	-7.55	-17.87	
7,100.00	16.58	304.16	6,415.23	2,538.14	-1,322.57	-2,542.06	10.00	-6.30	-25.07	
7,150.00	14.47	287.12	6,463.42	2,543.99	-1,334.45	-2,547.94	10.00	-4.20	-34.09	
7,200.00	13.90	266.75	6,511.93	2,545.49	-1,346.43	-2,549.47	10.00	-1.15	-40.74	
7,250.00	15.03	247.15	6,560.37	2,542.63	-1,358.41	-2,546.65	10.00	2.26	-39.20	
7,300.00	17.54	231.64	6,608.38	2,535.43	-1,370.30	-2,539.48	10.00	5.02	-31.01	
7,350.00	20.94	220.46	6,655.60	2,523.95	-1,382.02	-2,528.04	10.00	6.80	-22.37	
7,400.00	24.87	212.46	6,701.66	2,508.27	-1,393.46	-2,512.39	10.00	7.85	-15.99	
7,450.00	29.10	206.60	6,746.21	2,488.51	-1,404.56	-2,492.67	10.00	8.48	-11.73	
7,500.00	33.54	202.13	6,788.92	2,464.83	-1,415.21	-2,469.02	10.00	8.87	-8.92	
7,550.00	38.10	198.62	6,829.46	2,437.40	-1,425.35	-2,441.62	10.00	9.12	-7.03	
7,600.00	42.74	195.76	6,867.52	2,406.44	-1,434.88	-2,410.68	10.00	9.29	-5.72	
7,650.00	47.44	193.36	6,902.81	2,372.17	-1,443.75	-2,376.44	10.00	9.41	-4.79	
7,700.00	52.19	191.30	6,935.07	2,334.86	-1,451.88	-2,339.16	10.00	9.49	-4.12	
7,750.00	56.97	189.49	6,964.04	2,294.79	-1,459.21	-2,299.11	10.00	9.56	-3.62	
7,800.00	61.77	187.87	6,989.51	2,252.28	-1,465.69	-2,256.61	10.00	9.60	-3.24	
7,850.00	66.59	186.39	7,011.28	2,207.63	-1,471.27	-2,211.98	10.00	9.64	-2.96	
7,900.00	71.42	185.01	7,029.19	2,161.19	-1,475.89	-2,165.56	10.00	9.66	-2.75	
7,950.00	76.26	183.71	7,043.10	2,113.32	-1,479.54	-2,117.70	10.00	9.68	-2.60	
8,000.00	81.11	182.46	7,052.91	2,064.38	-1,482.18	-2,068.77	10.00	9.70	-2.50	
8,050.00	85.96	181.25	7,058.53	2,014.74	-1,483.78	-2,019.13	10.00	9.70	-2.43	
8,091.59	90.00	180.25	7,060.00	1,973.19	-1,484.32	-1,977.59	10.00	9.71	-2.40	
End Build/TPZ @ 8091.59ft										
8,100.00	90.00	180.25	7,060.00	1,964.78	-1,484.36	-1,969.17	0.00	0.00	0.00	
8,200.00	90.00	180.25	7,060.00	1,864.78	-1,484.80	-1,869.18	0.00	0.00	0.00	
8,300.00	90.00	180.25	7,060.00	1,764.78	-1,485.23	-1,769.18	0.00	0.00	0.00	
8,400.00	90.00	180.25	7,060.00	1,664.78	-1,485.67	-1,669.18	0.00	0.00	0.00	
8,500.00	90.00	180.25	7,060.00	1,564.78	-1,486.11	-1,569.19	0.00	0.00	0.00	
8,591.59	90.00	180.25	7,060.00	1,473.19	-1,486.51	-1,477.60	0.00	0.00	0.00	

# Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well GEORGENE 2833-05H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Site:</b>	2N-64W-28 GEORGENE PAD	<b>North Reference:</b>	True
<b>Well:</b>	GEORGENE 2833-05H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan B		
<b>Design:</b>	Design #3		

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)
<b>Begin Turn to BHL @ 8591.59ft</b>									
8,600.00	90.00	180.08	7,060.00	1,464.78	-1,486.53	-1,469.19	2.00	0.00	-2.00
8,614.28	90.00	179.80	7,060.00	1,450.51	-1,486.52	-1,454.91	2.00	0.00	-2.00
<b>End Turn @ 8614.28ft</b>									
8,700.00	90.00	179.80	7,060.00	1,364.78	-1,486.21	-1,369.19	0.00	0.00	0.00
8,800.00	90.00	179.80	7,060.00	1,264.78	-1,485.86	-1,269.19	0.00	0.00	0.00
8,900.00	90.00	179.80	7,060.00	1,164.79	-1,485.50	-1,169.19	0.00	0.00	0.00
9,000.00	90.00	179.80	7,060.00	1,064.79	-1,485.14	-1,069.19	0.00	0.00	0.00
9,100.00	90.00	179.80	7,060.00	964.79	-1,484.79	-969.19	0.00	0.00	0.00
9,200.00	90.00	179.80	7,060.00	864.79	-1,484.43	-869.19	0.00	0.00	0.00
9,300.00	90.00	179.80	7,060.00	764.79	-1,484.08	-769.19	0.00	0.00	0.00
9,400.00	90.00	179.80	7,060.00	664.79	-1,483.72	-669.19	0.00	0.00	0.00
9,500.00	90.00	179.80	7,060.00	564.79	-1,483.37	-569.19	0.00	0.00	0.00
9,600.00	90.00	179.80	7,060.00	464.79	-1,483.01	-469.19	0.00	0.00	0.00
9,700.00	90.00	179.80	7,060.00	364.79	-1,482.66	-369.19	0.00	0.00	0.00
9,800.00	90.00	179.80	7,060.00	264.79	-1,482.30	-269.19	0.00	0.00	0.00
9,900.00	90.00	179.80	7,060.00	164.79	-1,481.95	-169.19	0.00	0.00	0.00
10,000.00	90.00	179.80	7,060.00	64.79	-1,481.59	-69.19	0.00	0.00	0.00
10,100.00	90.00	179.80	7,060.00	-35.21	-1,481.23	30.81	0.00	0.00	0.00
10,200.00	90.00	179.80	7,060.00	-135.21	-1,480.88	130.81	0.00	0.00	0.00
10,300.00	90.00	179.80	7,060.00	-235.21	-1,480.52	230.81	0.00	0.00	0.00
10,400.00	90.00	179.80	7,060.00	-335.20	-1,480.17	330.81	0.00	0.00	0.00
10,500.00	90.00	179.80	7,060.00	-435.20	-1,479.81	430.81	0.00	0.00	0.00
10,600.00	90.00	179.80	7,060.00	-535.20	-1,479.46	530.81	0.00	0.00	0.00
10,700.00	90.00	179.80	7,060.00	-635.20	-1,479.10	630.81	0.00	0.00	0.00
10,800.00	90.00	179.80	7,060.00	-735.20	-1,478.75	730.81	0.00	0.00	0.00
10,900.00	90.00	179.80	7,060.00	-835.20	-1,478.39	830.81	0.00	0.00	0.00
11,000.00	90.00	179.80	7,060.00	-935.20	-1,478.03	930.81	0.00	0.00	0.00
11,100.00	90.00	179.80	7,060.00	-1,035.20	-1,477.68	1,030.81	0.00	0.00	0.00
11,200.00	90.00	179.80	7,060.00	-1,135.20	-1,477.32	1,130.81	0.00	0.00	0.00
11,300.00	90.00	179.80	7,060.00	-1,235.20	-1,476.97	1,230.81	0.00	0.00	0.00
11,400.00	90.00	179.80	7,060.00	-1,335.20	-1,476.61	1,330.81	0.00	0.00	0.00
11,500.00	90.00	179.80	7,060.00	-1,435.20	-1,476.26	1,430.81	0.00	0.00	0.00
11,600.00	90.00	179.80	7,060.00	-1,535.20	-1,475.90	1,530.81	0.00	0.00	0.00
11,700.00	90.00	179.80	7,060.00	-1,635.20	-1,475.55	1,630.81	0.00	0.00	0.00
11,800.00	90.00	179.80	7,060.00	-1,735.20	-1,475.19	1,730.81	0.00	0.00	0.00
11,900.00	90.00	179.80	7,060.00	-1,835.20	-1,474.83	1,830.81	0.00	0.00	0.00
12,000.00	90.00	179.80	7,060.00	-1,935.19	-1,474.48	1,930.81	0.00	0.00	0.00
12,100.00	90.00	179.80	7,060.00	-2,035.19	-1,474.12	2,030.81	0.00	0.00	0.00
12,200.00	90.00	179.80	7,060.00	-2,135.19	-1,473.77	2,130.81	0.00	0.00	0.00
12,300.00	90.00	179.80	7,060.00	-2,235.19	-1,473.41	2,230.81	0.00	0.00	0.00
12,400.00	90.00	179.80	7,060.00	-2,335.19	-1,473.06	2,330.81	0.00	0.00	0.00
12,500.00	90.00	179.80	7,060.00	-2,435.19	-1,472.70	2,430.81	0.00	0.00	0.00
12,600.00	90.00	179.80	7,060.00	-2,535.19	-1,472.35	2,530.81	0.00	0.00	0.00
12,700.00	90.00	179.80	7,060.00	-2,635.19	-1,471.99	2,630.81	0.00	0.00	0.00
12,800.00	90.00	179.80	7,060.00	-2,735.19	-1,471.64	2,730.81	0.00	0.00	0.00
12,900.00	90.00	179.80	7,060.00	-2,835.19	-1,471.28	2,830.81	0.00	0.00	0.00
13,000.00	90.00	179.80	7,060.00	-2,935.19	-1,470.92	2,930.81	0.00	0.00	0.00
13,100.00	90.00	179.80	7,060.00	-3,035.19	-1,470.57	3,030.81	0.00	0.00	0.00
13,200.00	90.00	179.80	7,060.00	-3,135.19	-1,470.21	3,130.81	0.00	0.00	0.00
13,300.00	90.00	179.80	7,060.00	-3,235.19	-1,469.86	3,230.81	0.00	0.00	0.00
13,400.00	90.00	179.80	7,060.00	-3,335.19	-1,469.50	3,330.81	0.00	0.00	0.00
13,500.00	90.00	179.80	7,060.00	-3,435.19	-1,469.15	3,430.81	0.00	0.00	0.00
13,600.00	90.00	179.80	7,060.00	-3,535.18	-1,468.79	3,530.81	0.00	0.00	0.00

## Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well GEORGENE 2833-05H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 24' @ 5042.00usft (RIG)
<b>Site:</b>	2N-64W-28 GEORGENE PAD	<b>North Reference:</b>	True
<b>Well:</b>	GEORGENE 2833-05H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan B		
<b>Design:</b>	Design #3		

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	90.00	179.80	7,060.00	-3,635.18	-1,468.44	3,630.81	0.00	0.00	0.00	
13,800.00	90.00	179.80	7,060.00	-3,735.18	-1,468.08	3,730.81	0.00	0.00	0.00	
13,900.00	90.00	179.80	7,060.00	-3,835.18	-1,467.72	3,830.81	0.00	0.00	0.00	
14,000.00	90.00	179.80	7,060.00	-3,935.18	-1,467.37	3,930.81	0.00	0.00	0.00	
14,100.00	90.00	179.80	7,060.00	-4,035.18	-1,467.01	4,030.81	0.00	0.00	0.00	
14,200.00	90.00	179.80	7,060.00	-4,135.18	-1,466.66	4,130.81	0.00	0.00	0.00	
14,300.00	90.00	179.80	7,060.00	-4,235.18	-1,466.30	4,230.81	0.00	0.00	0.00	
14,400.00	90.00	179.80	7,060.00	-4,335.18	-1,465.95	4,330.81	0.00	0.00	0.00	
14,500.00	90.00	179.80	7,060.00	-4,435.18	-1,465.59	4,430.81	0.00	0.00	0.00	
14,600.00	90.00	179.80	7,060.00	-4,535.18	-1,465.24	4,530.81	0.00	0.00	0.00	
14,700.00	90.00	179.80	7,060.00	-4,635.18	-1,464.88	4,630.81	0.00	0.00	0.00	
14,800.00	90.00	179.80	7,060.00	-4,735.18	-1,464.53	4,730.81	0.00	0.00	0.00	
14,900.00	90.00	179.80	7,060.00	-4,835.18	-1,464.17	4,830.81	0.00	0.00	0.00	
15,000.00	90.00	179.80	7,060.00	-4,935.18	-1,463.81	4,930.81	0.00	0.00	0.00	
15,094.02	90.00	179.80	7,060.00	-5,029.20	-1,463.48	5,024.83	0.00	0.00	0.00	
BPZ @ 15094.02ft										
15,100.00	90.00	179.80	7,060.00	-5,035.18	-1,463.46	5,030.81	0.00	0.00	0.00	
15,184.03	90.00	179.80	7,060.00	-5,119.20	-1,463.16	5,114.84	0.00	0.00	0.00	
TD Well @ 15184.03ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
2,528.75	2,376.00	9 5/8"		9-5/8	13-1/2

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
300.00	300.00	0.00	0.00	Begin Nudge @ 300.00ft	
1,705.00	1,649.35	300.04	-154.93	Hold Tangent @ 1705.00ft	
6,944.78	6,271.50	2,492.95	-1,287.26	KOP @ 6944.78ft :: DLS = 10°/100'	
8,091.59	7,060.00	1,973.19	-1,484.32	End Build/TPZ @ 8091.59ft	
8,591.59	7,060.00	1,473.19	-1,486.51	Begin Turn to BHL @ 8591.59ft	
8,614.28	7,060.00	1,450.51	-1,486.52	End Turn @ 8614.28ft	
15,094.02	7,060.00	-5,029.20	-1,463.48	BPZ @ 15094.02ft	
15,184.03	7,060.00	-5,119.20	-1,463.16	TD Well @ 15184.03ft	