

VERDAD RESOURCES

WATTENBERG FIELD

9N-59W-17 TIMBRO 1717 PAD

TIMBRO 1717-10H

Plan B

Plan: Design #1

Standard Planning Report

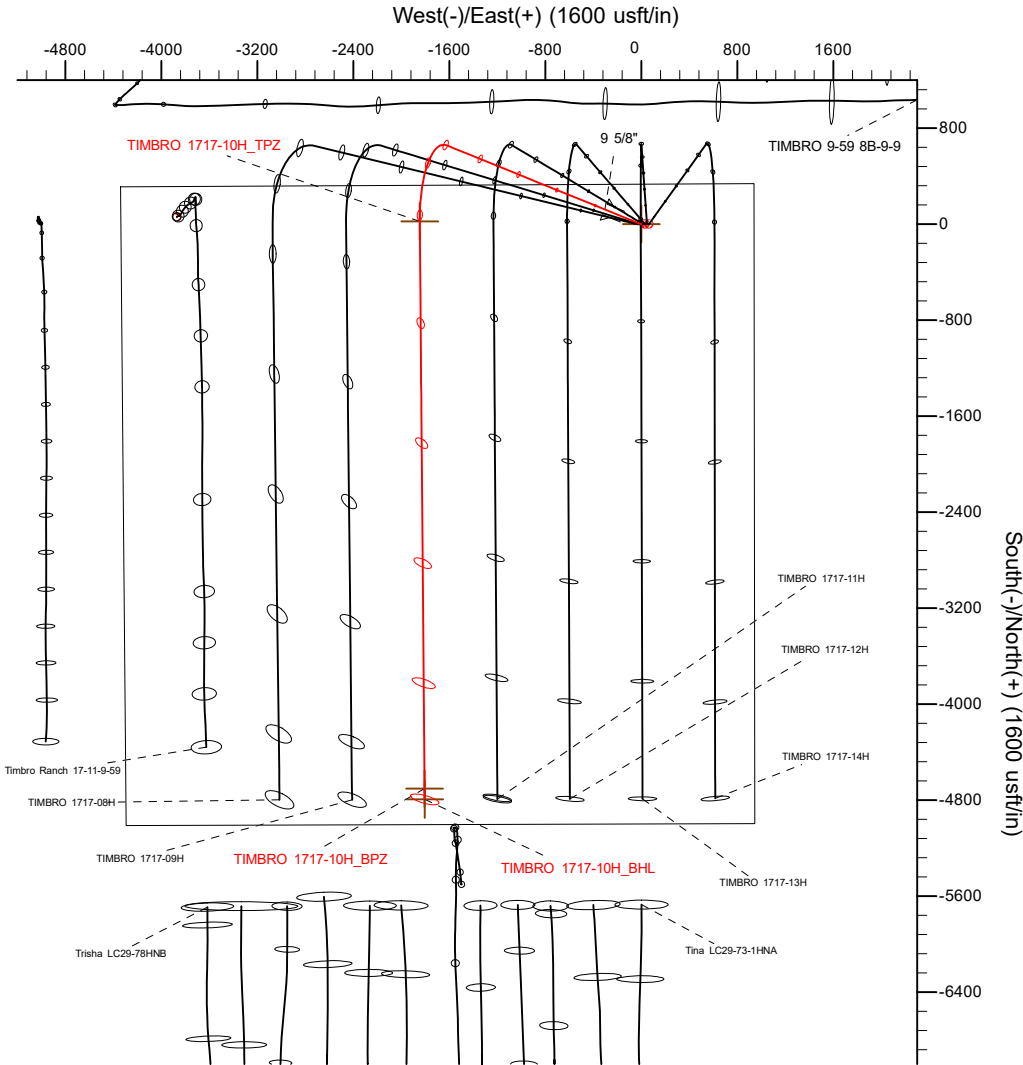
02 September, 2021

Project: WATTENBERG FIELD
 Site: 9N-59W-17 TIMBRO 1717 PAD
 Well: TIMBRO 1717-10H
 Wellbore: Plan B
 Design: Design #1

VERDAD RESOURCES

CASING DETAILS

TVD	MD	Name	Size
1700.00	1747.56	9 5/8"	9-5/8



SHL
334' FNL
940' FEL

TPZ
300' FNL
2490' FWL

BPZ
300' FSL
2489' FWL

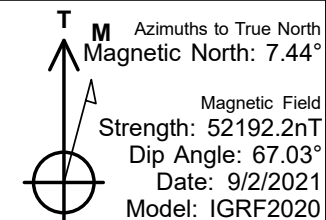
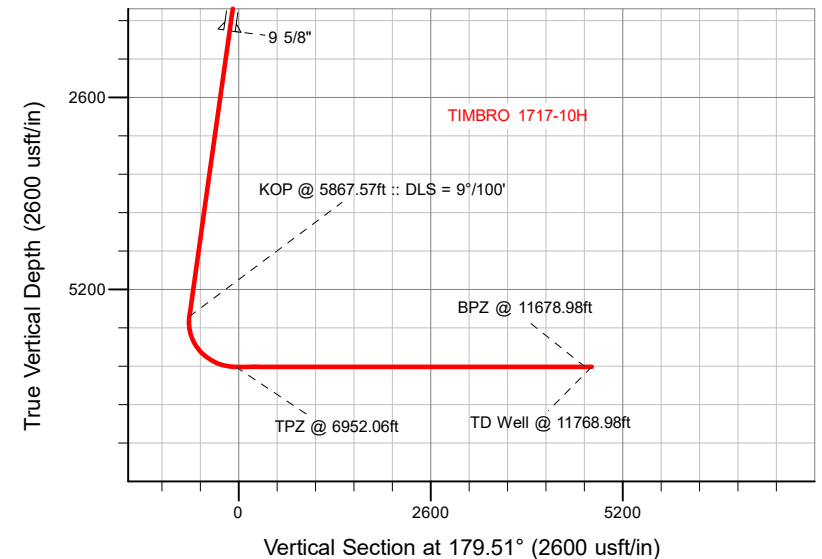
BHL
210' FSL
2489' FWL

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	
301.05	0.00	0.00	301.05	0.00	0.00	0.00	0.00	0.00	
1309.55	20.17	292.08	1288.85	66.04	-162.80	2.00	292.08	-67.43	
5867.57	20.17	292.08	5567.34	656.82	-1619.17	0.00	0.00	-670.64	
6952.06	90.00	179.51	6250.00	23.85	-1845.35	9.00	-111.31	-39.63	
11768.98	90.00	179.51	6250.00	-4792.89	-1804.30	0.00	0.00	4777.29	TIMBRO 1717-10H_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
TIMBRO 1717-10H_SHL	0.00	0.00	0.00	40.756875	-103.996002
TIMBRO 1717-10H_TPZ	6250.00	23.85	-1845.35	40.756940	-104.002663
TIMBRO 1717-10H_BPZ	6250.00	-4702.90	-1805.07	40.743967	-104.002516
TIMBRO 1717-10H_BHL	6250.00	-4792.89	-1804.30	40.743720	-104.002513



WELL DETAILS: TIMBRO 1717-10H

GL = 5010'

RKB = 20' @ 5030.00usft (RIG)

Plan: Design #1 (TIMBRO 1717-10H/Plan B)

Date: 9/2/2021

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-10H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5030.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5030.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-10H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan B		
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		9N-59W-17 TIMBRO 1717 PAD			
Site Position:		Northing:	1,522,135.25 usft	Latitude:	40.756951
From:	Lat/Long	Easting:	3,416,606.55 usft	Longitude:	-103.996171
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well		TIMBRO 1717-10H				
Well Position	+N/-S	0.00 usft	Northing:	1,522,108.28 usft	Latitude:	40.756875
	+E/-W	0.00 usft	Easting:	3,416,654.03 usft	Longitude:	-103.996002
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft	Ground Level:	5,010.00 usft
Grid Convergence:		0.97 °				

Wellbore	Plan B				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF202013	9/2/2021	7.44	67.03	52,192.18104305

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	179.51	

Plan Survey Tool Program		Date	9/2/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,700.00	Design #1 (Plan B)	ISCWSA MWD	
				Fixed:v2:standard declination	
2	1,700.00	11,768.98	Design #1 (Plan B)	ISCWSA MWD	
				Fixed:v2:standard declination	

Planning Report

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Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5030.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5030.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-10H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan B		
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	
301.05	0.00	0.00	301.05	0.00	0.00	0.00	0.00	0.00	0.00	
1,309.55	20.17	292.08	1,288.85	66.04	-162.80	2.00	2.00	0.00	292.08	
5,867.57	20.17	292.08	5,567.34	656.82	-1,619.17	0.00	0.00	0.00	0.00	
6,952.06	90.00	179.51	6,250.00	23.85	-1,845.35	9.00	6.44	-10.38	-111.31	
11,768.98	90.00	179.51	6,250.00	-4,792.89	-1,804.30	0.00	0.00	0.00	0.00	TIMBRO 1717-10H_E

Planning Report

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Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5030.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5030.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-10H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan B		
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
301.05	0.00	0.00	301.05	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 301.05ft									
400.00	1.98	292.08	399.98	0.64	-1.58	-0.66	2.00	2.00	0.00
500.00	3.98	292.08	499.84	2.60	-6.40	-2.65	2.00	2.00	0.00
600.00	5.98	292.08	599.46	5.86	-14.44	-5.98	2.00	2.00	0.00
700.00	7.98	292.08	698.71	10.43	-25.70	-10.64	2.00	2.00	0.00
800.00	9.98	292.08	797.48	16.29	-40.16	-16.63	2.00	2.00	0.00
900.00	11.98	292.08	895.65	23.45	-57.81	-23.94	2.00	2.00	0.00
1,000.00	13.98	292.08	993.09	31.89	-78.62	-32.56	2.00	2.00	0.00
1,100.00	15.98	292.08	1,089.68	41.61	-102.57	-42.48	2.00	2.00	0.00
1,200.00	17.98	292.08	1,185.32	52.58	-129.63	-53.69	2.00	2.00	0.00
1,309.55	20.17	292.08	1,288.85	66.04	-162.80	-67.43	2.00	2.00	0.00
Hold Tangent @ 1309.55ft									
1,400.00	20.17	292.08	1,373.75	77.76	-191.70	-79.40	0.00	0.00	0.00
1,500.00	20.17	292.08	1,467.62	90.73	-223.65	-92.64	0.00	0.00	0.00
1,600.00	20.17	292.08	1,561.49	103.69	-255.61	-105.87	0.00	0.00	0.00
1,700.00	20.17	292.08	1,655.35	116.65	-287.56	-119.10	0.00	0.00	0.00
1,747.56	20.17	292.08	1,700.00	122.81	-302.76	-125.40	0.00	0.00	0.00
9 5/8"									
1,800.00	20.17	292.08	1,749.22	129.61	-319.51	-132.34	0.00	0.00	0.00
1,900.00	20.17	292.08	1,843.09	142.57	-351.46	-145.57	0.00	0.00	0.00
2,000.00	20.17	292.08	1,936.96	155.53	-383.41	-158.81	0.00	0.00	0.00
2,100.00	20.17	292.08	2,030.82	168.49	-415.37	-172.04	0.00	0.00	0.00
2,200.00	20.17	292.08	2,124.69	181.45	-447.32	-185.27	0.00	0.00	0.00
2,300.00	20.17	292.08	2,218.56	194.42	-479.27	-198.51	0.00	0.00	0.00
2,400.00	20.17	292.08	2,312.43	207.38	-511.22	-211.74	0.00	0.00	0.00
2,500.00	20.17	292.08	2,406.29	220.34	-543.17	-224.98	0.00	0.00	0.00
2,600.00	20.17	292.08	2,500.16	233.30	-575.12	-238.21	0.00	0.00	0.00
2,700.00	20.17	292.08	2,594.03	246.26	-607.08	-251.44	0.00	0.00	0.00
2,800.00	20.17	292.08	2,687.89	259.22	-639.03	-264.68	0.00	0.00	0.00
2,900.00	20.17	292.08	2,781.76	272.18	-670.98	-277.91	0.00	0.00	0.00
3,000.00	20.17	292.08	2,875.63	285.15	-702.93	-291.15	0.00	0.00	0.00
3,100.00	20.17	292.08	2,969.50	298.11	-734.88	-304.38	0.00	0.00	0.00
3,200.00	20.17	292.08	3,063.36	311.07	-766.84	-317.61	0.00	0.00	0.00
3,300.00	20.17	292.08	3,157.23	324.03	-798.79	-330.85	0.00	0.00	0.00
3,400.00	20.17	292.08	3,251.10	336.99	-830.74	-344.08	0.00	0.00	0.00
3,500.00	20.17	292.08	3,344.97	349.95	-862.69	-357.32	0.00	0.00	0.00
3,600.00	20.17	292.08	3,438.83	362.91	-894.64	-370.55	0.00	0.00	0.00
3,700.00	20.17	292.08	3,532.70	375.87	-926.60	-383.79	0.00	0.00	0.00
3,800.00	20.17	292.08	3,626.57	388.84	-958.55	-397.02	0.00	0.00	0.00
3,900.00	20.17	292.08	3,720.44	401.80	-990.50	-410.25	0.00	0.00	0.00
4,000.00	20.17	292.08	3,814.30	414.76	-1,022.45	-423.49	0.00	0.00	0.00
4,100.00	20.17	292.08	3,908.17	427.72	-1,054.40	-436.72	0.00	0.00	0.00
4,200.00	20.17	292.08	4,002.04	440.68	-1,086.35	-449.96	0.00	0.00	0.00
4,300.00	20.17	292.08	4,095.91	453.64	-1,118.31	-463.19	0.00	0.00	0.00
4,400.00	20.17	292.08	4,189.77	466.60	-1,150.26	-476.42	0.00	0.00	0.00
4,500.00	20.17	292.08	4,283.64	479.57	-1,182.21	-489.66	0.00	0.00	0.00
4,600.00	20.17	292.08	4,377.51	492.53	-1,214.16	-502.89	0.00	0.00	0.00
4,700.00	20.17	292.08	4,471.37	505.49	-1,246.11	-516.13	0.00	0.00	0.00
4,800.00	20.17	292.08	4,565.24	518.45	-1,278.07	-529.36	0.00	0.00	0.00

Planning Report

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Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5030.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5030.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-10H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan B		
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)	
4,900.00	20.17	292.08	4,659.11	531.41	-1,310.02	-542.59	0.00	0.00	0.00	
5,000.00	20.17	292.08	4,752.98	544.37	-1,341.97	-555.83	0.00	0.00	0.00	
5,100.00	20.17	292.08	4,846.84	557.33	-1,373.92	-569.06	0.00	0.00	0.00	
5,200.00	20.17	292.08	4,940.71	570.29	-1,405.87	-582.30	0.00	0.00	0.00	
5,300.00	20.17	292.08	5,034.58	583.26	-1,437.83	-595.53	0.00	0.00	0.00	
5,400.00	20.17	292.08	5,128.45	596.22	-1,469.78	-608.76	0.00	0.00	0.00	
5,500.00	20.17	292.08	5,222.31	609.18	-1,501.73	-622.00	0.00	0.00	0.00	
5,600.00	20.17	292.08	5,316.18	622.14	-1,533.68	-635.23	0.00	0.00	0.00	
5,700.00	20.17	292.08	5,410.05	635.10	-1,565.63	-648.47	0.00	0.00	0.00	
5,800.00	20.17	292.08	5,503.92	648.06	-1,597.58	-661.70	0.00	0.00	0.00	
5,867.57	20.17	292.08	5,567.34	656.82	-1,619.17	-670.64	0.00	0.00	0.00	
KOP @ 5867.57ft :: DLS = 9°/100'										
5,900.00	19.29	283.83	5,597.87	660.20	-1,629.56	-674.11	9.00	-2.70	-25.45	
5,950.00	18.74	270.09	5,645.17	662.19	-1,645.62	-676.24	9.00	-1.11	-27.47	
6,000.00	19.21	256.29	5,692.48	660.25	-1,661.65	-674.44	9.00	0.94	-27.59	
6,050.00	20.64	243.74	5,739.50	654.40	-1,677.55	-668.73	9.00	2.86	-25.10	
6,100.00	22.85	233.13	5,785.96	644.68	-1,693.23	-659.13	9.00	4.41	-21.22	
6,150.00	25.63	224.50	5,831.56	631.13	-1,708.58	-645.72	9.00	5.57	-17.26	
6,200.00	28.83	217.56	5,876.03	613.85	-1,723.52	-628.57	9.00	6.39	-13.88	
6,250.00	32.31	211.95	5,919.08	592.95	-1,737.95	-607.79	9.00	6.97	-11.22	
6,300.00	36.00	207.35	5,960.46	568.55	-1,751.77	-583.51	9.00	7.37	-9.20	
6,350.00	39.83	203.51	5,999.90	540.80	-1,764.92	-555.87	9.00	7.67	-7.68	
6,400.00	43.77	200.25	6,037.17	509.87	-1,777.30	-525.05	9.00	7.88	-6.52	
6,450.00	47.79	197.43	6,072.04	475.96	-1,788.83	-491.24	9.00	8.04	-5.64	
6,500.00	51.88	194.95	6,104.28	439.27	-1,799.46	-454.65	9.00	8.16	-4.96	
6,550.00	56.01	192.74	6,133.71	400.03	-1,809.11	-415.49	9.00	8.26	-4.43	
6,600.00	60.17	190.73	6,160.14	358.49	-1,817.72	-374.02	9.00	8.33	-4.02	
6,650.00	64.36	188.88	6,183.40	314.89	-1,825.24	-330.48	9.00	8.39	-3.69	
6,700.00	68.58	187.16	6,203.36	269.50	-1,831.62	-285.16	9.00	8.43	-3.44	
6,750.00	72.81	185.54	6,219.89	222.62	-1,836.83	-238.32	9.00	8.46	-3.25	
6,800.00	77.05	183.98	6,232.89	174.51	-1,840.83	-190.25	9.00	8.49	-3.10	
6,850.00	81.31	182.49	6,242.27	125.49	-1,843.59	-141.26	9.00	8.50	-3.00	
6,900.00	85.56	181.02	6,247.99	75.86	-1,845.11	-91.63	9.00	8.52	-2.93	
6,952.06	90.00	179.51	6,250.00	23.85	-1,845.35	-39.63	9.00	8.52	-2.90	
TPZ @ 6952.06ft										
7,000.00	90.00	179.51	6,250.00	-24.09	-1,844.94	8.31	0.00	0.00	0.00	
7,100.00	90.00	179.51	6,250.00	-124.08	-1,844.09	108.31	0.00	0.00	0.00	
7,200.00	90.00	179.51	6,250.00	-224.08	-1,843.24	208.31	0.00	0.00	0.00	
7,300.00	90.00	179.51	6,250.00	-324.08	-1,842.38	308.31	0.00	0.00	0.00	
7,400.00	90.00	179.51	6,250.00	-424.07	-1,841.53	408.31	0.00	0.00	0.00	
7,500.00	90.00	179.51	6,250.00	-524.07	-1,840.68	508.31	0.00	0.00	0.00	
7,600.00	90.00	179.51	6,250.00	-624.07	-1,839.83	608.31	0.00	0.00	0.00	
7,700.00	90.00	179.51	6,250.00	-724.06	-1,838.98	708.31	0.00	0.00	0.00	
7,800.00	90.00	179.51	6,250.00	-824.06	-1,838.12	808.31	0.00	0.00	0.00	
7,900.00	90.00	179.51	6,250.00	-924.05	-1,837.27	908.31	0.00	0.00	0.00	
8,000.00	90.00	179.51	6,250.00	-1,024.05	-1,836.42	1,008.31	0.00	0.00	0.00	
8,100.00	90.00	179.51	6,250.00	-1,124.05	-1,835.57	1,108.31	0.00	0.00	0.00	
8,200.00	90.00	179.51	6,250.00	-1,224.04	-1,834.71	1,208.31	0.00	0.00	0.00	
8,300.00	90.00	179.51	6,250.00	-1,324.04	-1,833.86	1,308.31	0.00	0.00	0.00	
8,400.00	90.00	179.51	6,250.00	-1,424.04	-1,833.01	1,408.31	0.00	0.00	0.00	
8,500.00	90.00	179.51	6,250.00	-1,524.03	-1,832.16	1,508.31	0.00	0.00	0.00	
8,600.00	90.00	179.51	6,250.00	-1,624.03	-1,831.30	1,608.31	0.00	0.00	0.00	
8,700.00	90.00	179.51	6,250.00	-1,724.03	-1,830.45	1,708.31	0.00	0.00	0.00	
8,800.00	90.00	179.51	6,250.00	-1,824.02	-1,829.60	1,808.31	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-10H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5030.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5030.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-10H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan B		
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)	
8,900.00	90.00	179.51	6,250.00	-1,924.02	-1,828.75	1,908.31	0.00	0.00	0.00	
9,000.00	90.00	179.51	6,250.00	-2,024.01	-1,827.90	2,008.31	0.00	0.00	0.00	
9,100.00	90.00	179.51	6,250.00	-2,124.01	-1,827.04	2,108.31	0.00	0.00	0.00	
9,200.00	90.00	179.51	6,250.00	-2,224.01	-1,826.19	2,208.31	0.00	0.00	0.00	
9,300.00	90.00	179.51	6,250.00	-2,324.00	-1,825.34	2,308.31	0.00	0.00	0.00	
9,400.00	90.00	179.51	6,250.00	-2,424.00	-1,824.49	2,408.31	0.00	0.00	0.00	
9,500.00	90.00	179.51	6,250.00	-2,524.00	-1,823.63	2,508.31	0.00	0.00	0.00	
9,600.00	90.00	179.51	6,250.00	-2,623.99	-1,822.78	2,608.31	0.00	0.00	0.00	
9,700.00	90.00	179.51	6,250.00	-2,723.99	-1,821.93	2,708.31	0.00	0.00	0.00	
9,800.00	90.00	179.51	6,250.00	-2,823.99	-1,821.08	2,808.31	0.00	0.00	0.00	
9,900.00	90.00	179.51	6,250.00	-2,923.98	-1,820.23	2,908.31	0.00	0.00	0.00	
10,000.00	90.00	179.51	6,250.00	-3,023.98	-1,819.37	3,008.31	0.00	0.00	0.00	
10,100.00	90.00	179.51	6,250.00	-3,123.97	-1,818.52	3,108.31	0.00	0.00	0.00	
10,200.00	90.00	179.51	6,250.00	-3,223.97	-1,817.67	3,208.31	0.00	0.00	0.00	
10,300.00	90.00	179.51	6,250.00	-3,323.97	-1,816.82	3,308.31	0.00	0.00	0.00	
10,400.00	90.00	179.51	6,250.00	-3,423.96	-1,815.96	3,408.31	0.00	0.00	0.00	
10,500.00	90.00	179.51	6,250.00	-3,523.96	-1,815.11	3,508.31	0.00	0.00	0.00	
10,600.00	90.00	179.51	6,250.00	-3,623.96	-1,814.26	3,608.31	0.00	0.00	0.00	
10,700.00	90.00	179.51	6,250.00	-3,723.95	-1,813.41	3,708.31	0.00	0.00	0.00	
10,800.00	90.00	179.51	6,250.00	-3,823.95	-1,812.56	3,808.31	0.00	0.00	0.00	
10,900.00	90.00	179.51	6,250.00	-3,923.95	-1,811.70	3,908.31	0.00	0.00	0.00	
11,000.00	90.00	179.51	6,250.00	-4,023.94	-1,810.85	4,008.31	0.00	0.00	0.00	
11,100.00	90.00	179.51	6,250.00	-4,123.94	-1,810.00	4,108.31	0.00	0.00	0.00	
11,200.00	90.00	179.51	6,250.00	-4,223.93	-1,809.15	4,208.31	0.00	0.00	0.00	
11,300.00	90.00	179.51	6,250.00	-4,323.93	-1,808.29	4,308.31	0.00	0.00	0.00	
11,400.00	90.00	179.51	6,250.00	-4,423.93	-1,807.44	4,408.31	0.00	0.00	0.00	
11,500.00	90.00	179.51	6,250.00	-4,523.92	-1,806.59	4,508.31	0.00	0.00	0.00	
11,600.00	90.00	179.51	6,250.00	-4,623.92	-1,805.74	4,608.31	0.00	0.00	0.00	
11,678.98	90.00	179.51	6,250.00	-4,702.90	-1,805.06	4,687.29	0.00	0.00	0.00	
BPZ @ 11678.98ft										
11,700.00	90.00	179.51	6,250.00	-4,723.92	-1,804.89	4,708.31	0.00	0.00	0.00	
11,768.98	90.00	179.51	6,250.00	-4,792.89	-1,804.30	4,777.29	0.00	0.00	0.00	
TD Well @ 11768.98ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
1,747.56	1,700.00	9 5/8"		9-5/8	13-1/2

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
301.05	301.05	0.00	0.00	Begin Nudge @ 301.05ft	
1,309.55	1,288.85	66.04	-162.80	Hold Tangent @ 1309.55ft	
5,867.57	5,567.34	656.82	-1,619.17	KOP @ 5867.57ft :: DLS = 9°/100'	
6,952.06	6,250.00	23.85	-1,845.35	TPZ @ 6952.06ft	
11,678.98	6,250.00	-4,702.90	-1,805.06	BPZ @ 11678.98ft	
11,768.98	6,250.00	-4,792.89	-1,804.30	TD Well @ 11768.98ft	