

VERDAD RESOURCES

WATTENBERG FIELD

9N-59W-17 TIMBRO 1717 PAD

TIMBRO 1717-13H

Plan B

Plan: Design #1

Standard Planning Report

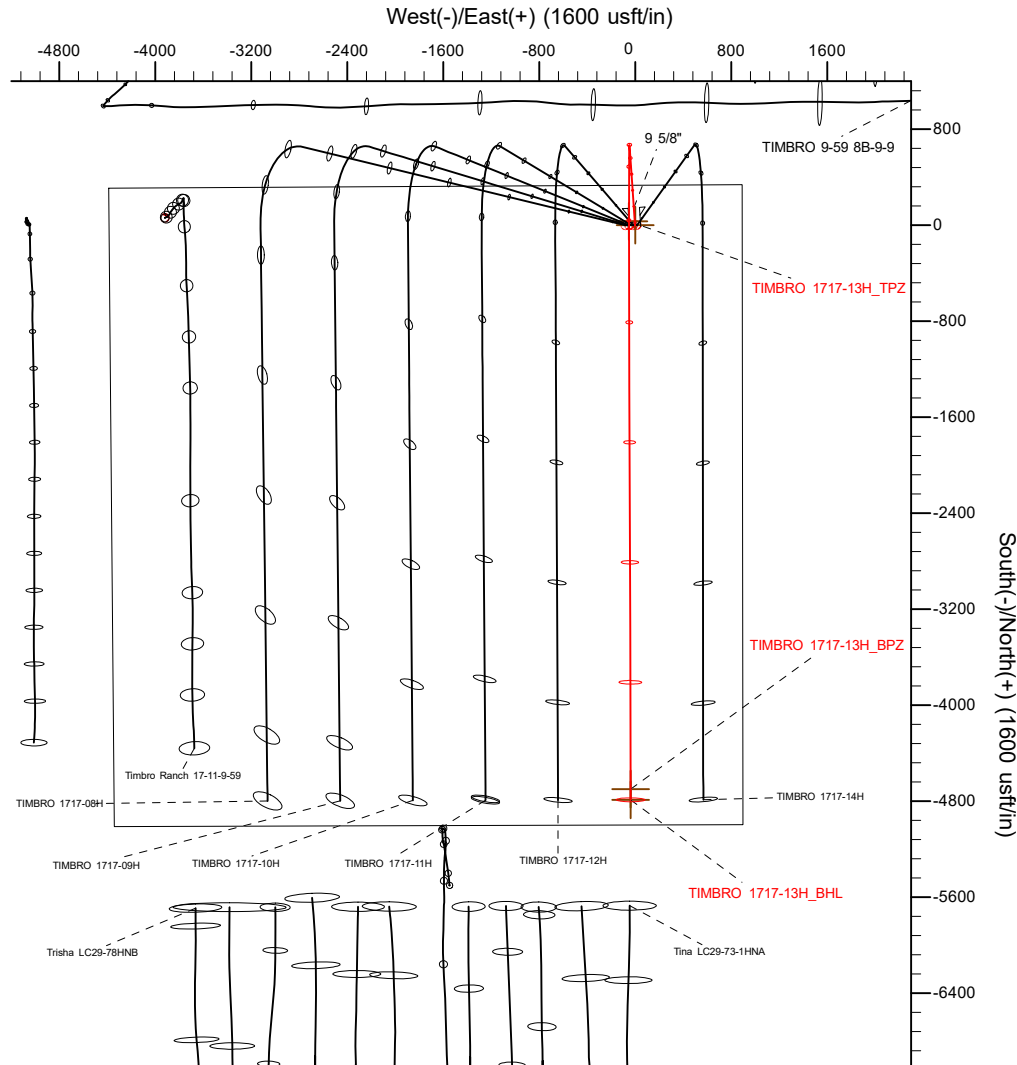
02 September, 2021

Project: WATTENBERG FIELD
 Site: 9N-59W-17 TIMBRO 1717 PAD
 Well: TIMBRO 1717-13H
 Wellbore: Plan B
 Design: Design #1

VERDAD RESOURCES

CASING DETAILS

TVD	MD	Name	Size
1700.00	1709.22	9 5/8"	9-5/8



SHL
334' FNL
892' FEL

TPZ
300' FNL
944' FEL

BPZ
300' FSL
935' FEL

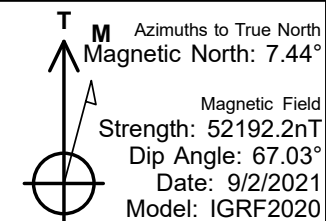
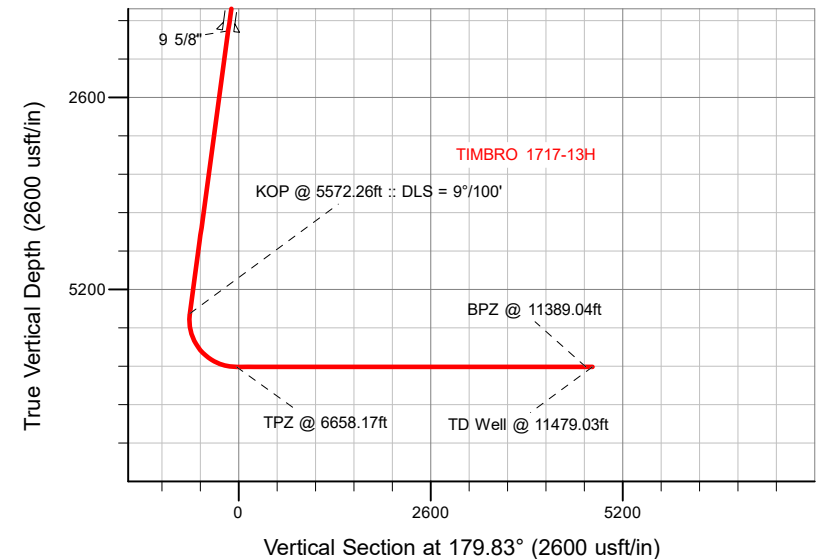
BHL
210' FSL
935' FEL

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	442.00	0.00	0.00	442.00	0.00	0.00	0.00	0.00	0.00	
3	829.50	7.75	355.96	828.32	26.10	-1.84	2.00	355.96	-26.11	
4	5572.26	7.75	355.96	5527.76	664.08	-46.90	0.00	0.00	-664.21	
5	6658.17	90.00	179.83	6250.00	33.23	-51.61	9.00	-176.10	-33.38	
6	11479.03	90.00	179.83	6250.00	-4787.60	-36.91	0.00	0.00	4787.47	TIMBRO 1717-13H_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
TIMBRO 1717-13H_SHL	0.00	0.00	0.00	40.756876	-103.995828
TIMBRO 1717-13H_TPZ	6250.00	33.23	-51.61	40.756967	-103.996015
TIMBRO 1717-13H_BPZ	6250.00	-4697.61	-37.19	40.743982	-103.995962
TIMBRO 1717-13H_BHL	6250.00	-4787.60	-36.91	40.743735	-103.995961



WELL DETAILS: TIMBRO 1717-13H

GL = 5011'

RKB = 20' @ 5031.00usft (RIG)

Plan: Design #1 (TIMBRO 1717-13H/Plan B)

Date: 9/2/2021

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-13H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5031.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5031.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-13H	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 1717-13H				
Well Position	+N/-S	0.00 usft	Northing:	1,522,109.35 usft	Latitude:	40.756876
	+E/-W	0.00 usft	Easting:	3,416,702.03 usft	Longitude:	-103.995828
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft	Ground Level:	5,011.00 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	52,192.19034185

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	179.83	

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	11,479.03	Design #1 (Plan B)	ISCWSA MWD	
				Fixed:v2:standard declination	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-13H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5031.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5031.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-13H	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	
442.00	0.00	0.00	442.00	0.00	0.00	0.00	0.00	0.00	0.00	
829.50	7.75	355.96	828.32	26.10	-1.84	2.00	2.00	0.00	355.96	
5,572.26	7.75	355.96	5,527.76	664.08	-46.90	0.00	0.00	0.00	0.00	
6,658.17	90.00	179.83	6,250.00	33.23	-51.61	9.00	7.57	-16.22	-176.10	
11,479.03	90.00	179.83	6,250.00	-4,787.60	-36.91	0.00	0.00	0.00	0.00	TIMBRO 1717-13H_E

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-13H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5031.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5031.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-13H	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
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
442.00	0.00	0.00	442.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 442.00ft									
500.00	1.16	355.96	500.00	0.59	-0.04	-0.59	2.00	2.00	0.00
600.00	3.16	355.96	599.92	4.35	-0.31	-4.35	2.00	2.00	0.00
700.00	5.16	355.96	699.65	11.58	-0.82	-11.58	2.00	2.00	0.00
800.00	7.16	355.96	799.07	22.28	-1.57	-22.29	2.00	2.00	0.00
829.50	7.75	355.96	828.32	26.10	-1.84	-26.11	2.00	2.00	0.00
Hold Tangent @ 829.50ft									
900.00	7.75	355.96	898.18	35.59	-2.51	-35.59	0.00	0.00	0.00
1,000.00	7.75	355.96	997.26	49.04	-3.46	-49.05	0.00	0.00	0.00
1,100.00	7.75	355.96	1,096.35	62.49	-4.41	-62.50	0.00	0.00	0.00
1,200.00	7.75	355.96	1,195.44	75.94	-5.36	-75.96	0.00	0.00	0.00
1,300.00	7.75	355.96	1,294.52	89.39	-6.31	-89.41	0.00	0.00	0.00
1,400.00	7.75	355.96	1,393.61	102.84	-7.26	-102.86	0.00	0.00	0.00
1,500.00	7.75	355.96	1,492.70	116.30	-8.21	-116.32	0.00	0.00	0.00
1,600.00	7.75	355.96	1,591.78	129.75	-9.16	-129.77	0.00	0.00	0.00
1,700.00	7.75	355.96	1,690.87	143.20	-10.11	-143.23	0.00	0.00	0.00
1,709.22	7.75	355.96	1,700.00	144.44	-10.20	-144.47	0.00	0.00	0.00
9 5/8"									
1,800.00	7.75	355.96	1,789.95	156.65	-11.06	-156.68	0.00	0.00	0.00
1,900.00	7.75	355.96	1,889.04	170.10	-12.01	-170.14	0.00	0.00	0.00
2,000.00	7.75	355.96	1,988.13	183.55	-12.96	-183.59	0.00	0.00	0.00
2,100.00	7.75	355.96	2,087.21	197.00	-13.91	-197.05	0.00	0.00	0.00
2,200.00	7.75	355.96	2,186.30	210.46	-14.86	-210.50	0.00	0.00	0.00
2,300.00	7.75	355.96	2,285.39	223.91	-15.81	-223.95	0.00	0.00	0.00
2,400.00	7.75	355.96	2,384.47	237.36	-16.76	-237.41	0.00	0.00	0.00
2,500.00	7.75	355.96	2,483.56	250.81	-17.71	-250.86	0.00	0.00	0.00
2,600.00	7.75	355.96	2,582.65	264.26	-18.66	-264.32	0.00	0.00	0.00
2,700.00	7.75	355.96	2,681.73	277.71	-19.61	-277.77	0.00	0.00	0.00
2,800.00	7.75	355.96	2,780.82	291.17	-20.56	-291.23	0.00	0.00	0.00
2,900.00	7.75	355.96	2,879.91	304.62	-21.51	-304.68	0.00	0.00	0.00
3,000.00	7.75	355.96	2,978.99	318.07	-22.46	-318.13	0.00	0.00	0.00
3,100.00	7.75	355.96	3,078.08	331.52	-23.41	-331.59	0.00	0.00	0.00
3,200.00	7.75	355.96	3,177.17	344.97	-24.36	-345.04	0.00	0.00	0.00
3,300.00	7.75	355.96	3,276.25	358.42	-25.31	-358.50	0.00	0.00	0.00
3,400.00	7.75	355.96	3,375.34	371.88	-26.26	-371.95	0.00	0.00	0.00
3,500.00	7.75	355.96	3,474.43	385.33	-27.22	-385.41	0.00	0.00	0.00
3,600.00	7.75	355.96	3,573.51	398.78	-28.17	-398.86	0.00	0.00	0.00
3,700.00	7.75	355.96	3,672.60	412.23	-29.12	-412.31	0.00	0.00	0.00
3,800.00	7.75	355.96	3,771.69	425.68	-30.07	-425.77	0.00	0.00	0.00
3,900.00	7.75	355.96	3,870.77	439.13	-31.02	-439.22	0.00	0.00	0.00
4,000.00	7.75	355.96	3,969.86	452.58	-31.97	-452.68	0.00	0.00	0.00
4,100.00	7.75	355.96	4,068.95	466.04	-32.92	-466.13	0.00	0.00	0.00
4,200.00	7.75	355.96	4,168.03	479.49	-33.87	-479.59	0.00	0.00	0.00
4,300.00	7.75	355.96	4,267.12	492.94	-34.82	-493.04	0.00	0.00	0.00
4,400.00	7.75	355.96	4,366.21	506.39	-35.77	-506.49	0.00	0.00	0.00
4,500.00	7.75	355.96	4,465.29	519.84	-36.72	-519.95	0.00	0.00	0.00
4,600.00	7.75	355.96	4,564.38	533.29	-37.67	-533.40	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-13H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5031.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5031.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-13H	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)
4,700.00	7.75	355.96	4,663.47	546.75	-38.62	-546.86	0.00	0.00	0.00
4,800.00	7.75	355.96	4,762.55	560.20	-39.57	-560.31	0.00	0.00	0.00
4,900.00	7.75	355.96	4,861.64	573.65	-40.52	-573.77	0.00	0.00	0.00
5,000.00	7.75	355.96	4,960.73	587.10	-41.47	-587.22	0.00	0.00	0.00
5,100.00	7.75	355.96	5,059.81	600.55	-42.42	-600.68	0.00	0.00	0.00
5,200.00	7.75	355.96	5,158.90	614.00	-43.37	-614.13	0.00	0.00	0.00
5,300.00	7.75	355.96	5,257.99	627.46	-44.32	-627.58	0.00	0.00	0.00
5,400.00	7.75	355.96	5,357.07	640.91	-45.27	-641.04	0.00	0.00	0.00
5,500.00	7.75	355.96	5,456.16	654.36	-46.22	-654.49	0.00	0.00	0.00
5,572.26	7.75	355.96	5,527.76	664.08	-46.90	-664.21	0.00	0.00	0.00
KOP @ 5572.26ft :: DLS = 9°/100'									
5,600.00	5.26	354.11	5,555.32	667.21	-47.17	-667.35	9.00	-8.97	-6.68
5,650.00	0.90	324.28	5,605.24	669.81	-47.63	-669.95	9.00	-8.72	-59.65
5,700.00	3.80	187.76	5,655.20	668.49	-48.09	-668.63	9.00	5.79	-273.04
5,750.00	8.28	183.44	5,704.91	663.25	-48.53	-663.39	9.00	8.96	-8.65
5,800.00	12.77	182.14	5,754.06	654.13	-48.95	-654.27	9.00	8.99	-2.59
5,850.00	17.27	181.52	5,802.34	641.18	-49.35	-641.32	9.00	8.99	-1.26
5,900.00	21.77	181.14	5,849.45	624.48	-49.73	-624.62	9.00	9.00	-0.75
5,950.00	26.27	180.89	5,895.11	604.13	-50.09	-604.28	9.00	9.00	-0.50
6,000.00	30.77	180.71	5,939.03	580.27	-50.42	-580.42	9.00	9.00	-0.36
6,050.00	35.27	180.57	5,980.95	553.03	-50.72	-553.18	9.00	9.00	-0.28
6,100.00	39.77	180.46	6,020.59	522.59	-50.99	-522.74	9.00	9.00	-0.22
6,150.00	44.27	180.36	6,057.73	489.13	-51.23	-489.28	9.00	9.00	-0.18
6,200.00	48.77	180.29	6,092.13	452.87	-51.44	-453.02	9.00	9.00	-0.16
6,250.00	53.27	180.22	6,123.58	414.01	-51.61	-414.16	9.00	9.00	-0.14
6,300.00	57.77	180.16	6,151.88	372.81	-51.74	-372.96	9.00	9.00	-0.12
6,350.00	62.27	180.10	6,176.86	329.51	-51.84	-329.66	9.00	9.00	-0.11
6,400.00	66.77	180.05	6,198.37	284.39	-51.90	-284.54	9.00	9.00	-0.10
6,450.00	71.27	180.00	6,216.27	237.71	-51.92	-237.87	9.00	9.00	-0.09
6,500.00	75.76	179.96	6,230.45	189.78	-51.90	-189.93	9.00	9.00	-0.09
6,550.00	80.26	179.92	6,240.83	140.88	-51.85	-141.04	9.00	9.00	-0.09
6,600.00	84.76	179.87	6,247.35	91.32	-51.76	-91.48	9.00	9.00	-0.08
6,650.00	89.26	179.83	6,249.95	41.40	-51.63	-41.56	9.00	9.00	-0.08
6,658.17	90.00	179.83	6,250.00	33.23	-51.61	-33.38	9.00	9.00	-0.08
TPZ @ 6658.17ft									
6,700.00	90.00	179.83	6,250.00	-8.60	-51.48	8.44	0.00	0.00	0.00
6,800.00	90.00	179.83	6,250.00	-108.60	-51.17	108.44	0.00	0.00	0.00
6,900.00	90.00	179.83	6,250.00	-208.59	-50.87	208.44	0.00	0.00	0.00
7,000.00	90.00	179.83	6,250.00	-308.59	-50.56	308.44	0.00	0.00	0.00
7,100.00	90.00	179.83	6,250.00	-408.59	-50.26	408.44	0.00	0.00	0.00
7,200.00	90.00	179.83	6,250.00	-508.59	-49.95	508.44	0.00	0.00	0.00
7,300.00	90.00	179.83	6,250.00	-608.59	-49.65	608.44	0.00	0.00	0.00
7,400.00	90.00	179.83	6,250.00	-708.59	-49.34	708.44	0.00	0.00	0.00
7,500.00	90.00	179.83	6,250.00	-808.59	-49.04	808.44	0.00	0.00	0.00
7,600.00	90.00	179.83	6,250.00	-908.59	-48.73	908.44	0.00	0.00	0.00
7,700.00	90.00	179.83	6,250.00	-1,008.59	-48.43	1,008.44	0.00	0.00	0.00
7,800.00	90.00	179.83	6,250.00	-1,108.59	-48.12	1,108.44	0.00	0.00	0.00
7,900.00	90.00	179.83	6,250.00	-1,208.59	-47.82	1,208.44	0.00	0.00	0.00
8,000.00	90.00	179.83	6,250.00	-1,308.59	-47.52	1,308.44	0.00	0.00	0.00
8,100.00	90.00	179.83	6,250.00	-1,408.59	-47.21	1,408.44	0.00	0.00	0.00
8,200.00	90.00	179.83	6,250.00	-1,508.59	-46.91	1,508.44	0.00	0.00	0.00
8,300.00	90.00	179.83	6,250.00	-1,608.59	-46.60	1,608.44	0.00	0.00	0.00
8,400.00	90.00	179.83	6,250.00	-1,708.59	-46.30	1,708.44	0.00	0.00	0.00
8,500.00	90.00	179.83	6,250.00	-1,808.59	-45.99	1,808.44	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-13H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5031.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5031.00usft (RIG)
Site:	9N-59W-17 TIMBRO 1717 PAD	North Reference:	True
Well:	TIMBRO 1717-13H	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)	
8,600.00	90.00	179.83	6,250.00	-1,908.59	-45.69	1,908.44	0.00	0.00	0.00	
8,700.00	90.00	179.83	6,250.00	-2,008.59	-45.38	2,008.44	0.00	0.00	0.00	
8,800.00	90.00	179.83	6,250.00	-2,108.59	-45.08	2,108.44	0.00	0.00	0.00	
8,900.00	90.00	179.83	6,250.00	-2,208.59	-44.77	2,208.44	0.00	0.00	0.00	
9,000.00	90.00	179.83	6,250.00	-2,308.59	-44.47	2,308.44	0.00	0.00	0.00	
9,100.00	90.00	179.83	6,250.00	-2,408.58	-44.16	2,408.44	0.00	0.00	0.00	
9,200.00	90.00	179.83	6,250.00	-2,508.58	-43.86	2,508.44	0.00	0.00	0.00	
9,300.00	90.00	179.83	6,250.00	-2,608.58	-43.55	2,608.44	0.00	0.00	0.00	
9,400.00	90.00	179.83	6,250.00	-2,708.58	-43.25	2,708.44	0.00	0.00	0.00	
9,500.00	90.00	179.83	6,250.00	-2,808.58	-42.94	2,808.44	0.00	0.00	0.00	
9,600.00	90.00	179.83	6,250.00	-2,908.58	-42.64	2,908.44	0.00	0.00	0.00	
9,700.00	90.00	179.83	6,250.00	-3,008.58	-42.33	3,008.44	0.00	0.00	0.00	
9,800.00	90.00	179.83	6,250.00	-3,108.58	-42.03	3,108.44	0.00	0.00	0.00	
9,900.00	90.00	179.83	6,250.00	-3,208.58	-41.72	3,208.44	0.00	0.00	0.00	
10,000.00	90.00	179.83	6,250.00	-3,308.58	-41.42	3,308.44	0.00	0.00	0.00	
10,100.00	90.00	179.83	6,250.00	-3,408.58	-41.11	3,408.44	0.00	0.00	0.00	
10,200.00	90.00	179.83	6,250.00	-3,508.58	-40.81	3,508.44	0.00	0.00	0.00	
10,300.00	90.00	179.83	6,250.00	-3,608.58	-40.50	3,608.44	0.00	0.00	0.00	
10,400.00	90.00	179.83	6,250.00	-3,708.58	-40.20	3,708.44	0.00	0.00	0.00	
10,500.00	90.00	179.83	6,250.00	-3,808.58	-39.89	3,808.44	0.00	0.00	0.00	
10,600.00	90.00	179.83	6,250.00	-3,908.58	-39.59	3,908.44	0.00	0.00	0.00	
10,700.00	90.00	179.83	6,250.00	-4,008.58	-39.28	4,008.44	0.00	0.00	0.00	
10,800.00	90.00	179.83	6,250.00	-4,108.58	-38.98	4,108.44	0.00	0.00	0.00	
10,900.00	90.00	179.83	6,250.00	-4,208.58	-38.67	4,208.44	0.00	0.00	0.00	
11,000.00	90.00	179.83	6,250.00	-4,308.58	-38.37	4,308.44	0.00	0.00	0.00	
11,100.00	90.00	179.83	6,250.00	-4,408.58	-38.06	4,408.44	0.00	0.00	0.00	
11,200.00	90.00	179.83	6,250.00	-4,508.57	-37.76	4,508.44	0.00	0.00	0.00	
11,300.00	90.00	179.83	6,250.00	-4,608.57	-37.46	4,608.44	0.00	0.00	0.00	
11,389.04	90.00	179.83	6,250.00	-4,697.61	-37.18	4,697.48	0.00	0.00	0.00	
BPZ @ 11389.04ft										
11,400.00	90.00	179.83	6,250.00	-4,708.57	-37.15	4,708.44	0.00	0.00	0.00	
11,479.03	90.00	179.83	6,250.00	-4,787.60	-36.91	4,787.47	0.00	0.00	0.00	
TD Well @ 11479.03ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
1,709.22	1,700.00	9 5/8"		9-5/8	13-1/2

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
442.00	442.00	+N/-S (usft)	+E/-W (usft)	Begin Nudge @ 442.00ft	
829.50	828.32	26.10	-1.84	Hold Tangent @ 829.50ft	
5,572.26	5,527.76	664.08	-46.90	KOP @ 5572.26ft :: DLS = 9°/100'	
6,658.17	6,250.00	33.23	-51.61	TPZ @ 6658.17ft	
11,389.04	6,250.00	-4,697.61	-37.18	BPZ @ 11389.04ft	
11,479.03	6,250.00	-4,787.60	-36.91	TD Well @ 11479.03ft	