

VERDAD RESOURCES

WATTENBERG FIELD

9N-59W-17 TIMBRO 1717 PAD

TIMBRO 1717-12H

Plan B

Plan: Design #1

Standard Planning Report

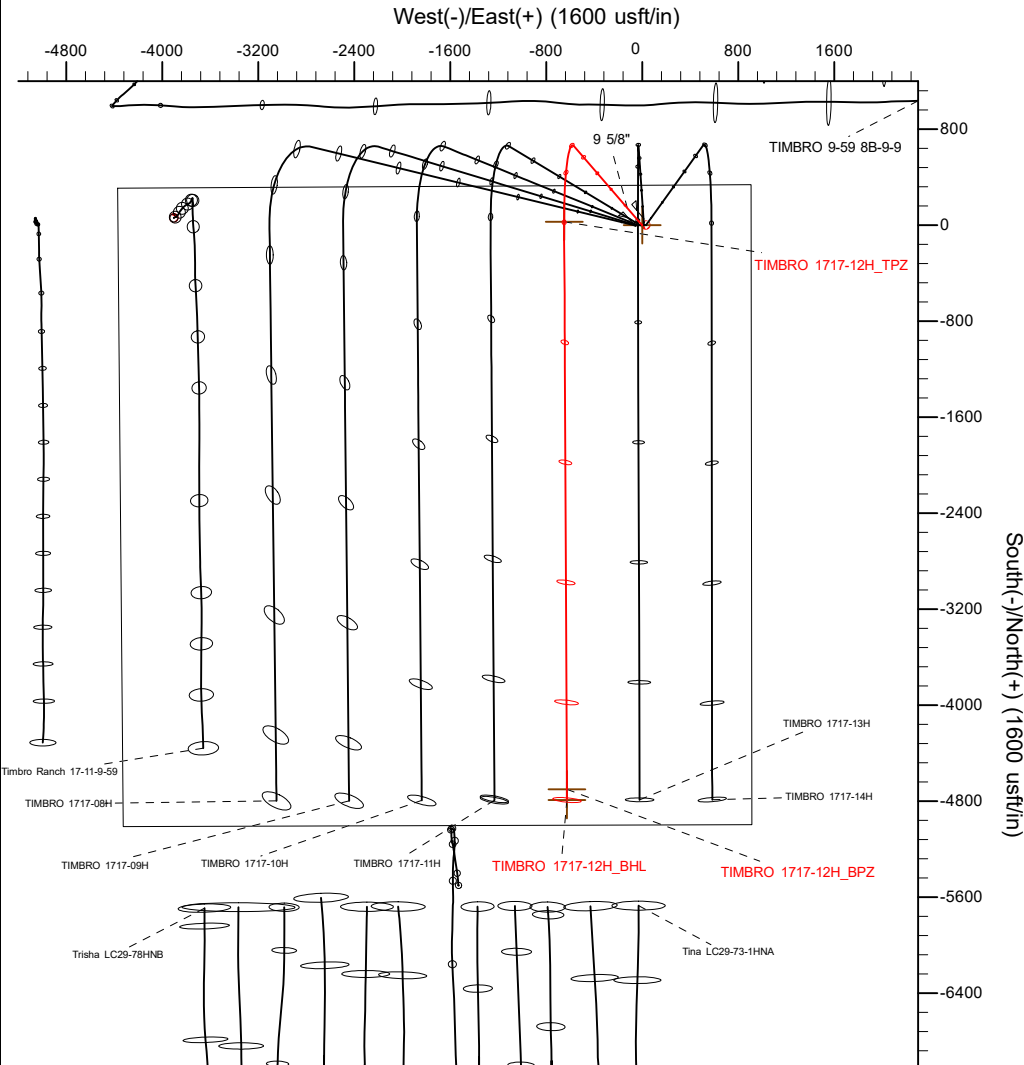
02 September, 2021

Project: WATTENBERG FIELD
Site: 9N-59W-17 TIMBRO 1717 PAD
Well: TIMBRO 1717-12H
Wellbore: Plan B
Design: Design #1

VERDAD RESOURCES

CASING DETAILS

TVD	MD	Name	Size
1700.00	1715.29	9 5/8"	9-5/8



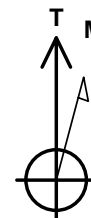
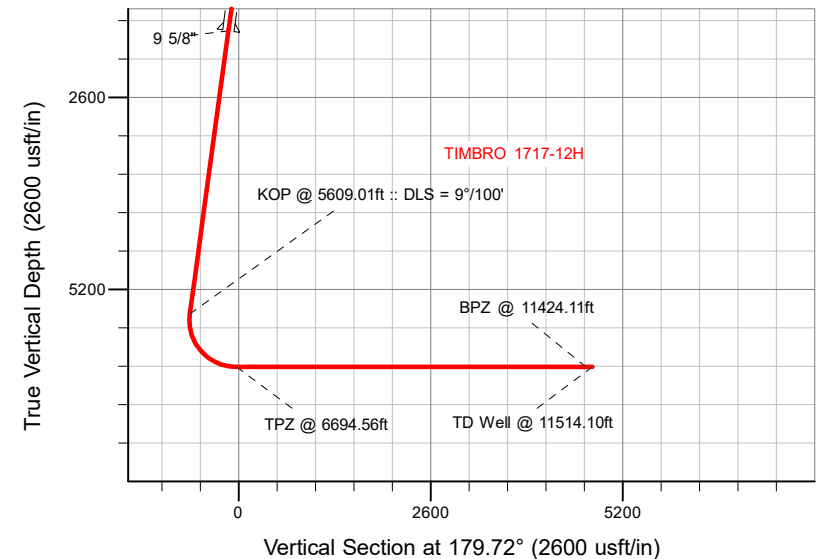
SHL	TPZ	BPZ	BHL
334' FNL	300' FNL	300' FSL	210' FSL
908' FEL	1558' FEL	1541' FEL	1540' FEL

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	
398.70	0.00	0.00	398.70	0.00	0.00	0.00	0.00	0.00	
905.70	10.14	319.27	903.06	33.91	-29.20	2.00	319.27	-34.05	
5609.01	10.14	319.27	5532.90	661.39	-569.49	0.00	0.00	-664.16	
6694.56	90.00	179.72	6250.00	30.11	-649.61	9.00	-139.10	-33.28	
11514.10	90.00	179.72	6250.00	-4789.38	-626.02	0.00	0.00	4786.26	TIMBRO 1717-12H_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
TIMBRO 1717-12H_SHL	0.00	0.00	0.00	40.756876	-103.995886
TIMBRO 1717-12H_TPZ	6250.00	30.11	-649.61	40.756958	-103.998231
TIMBRO 1717-12H_BPZ	6250.00	-4699.39	-626.63	40.743977	-103.998147
TIMBRO 1717-12H_BHL	6250.00	-4789.38	-626.02	40.743730	-103.998145



Azimuths to True North
Magnetic North: 7.44°

Magnetic Field
Strength: 52192.2nT
Dip Angle: 67.03°
Date: 9/2/2021
Model: IGRF2020

WELL DETAILS: TIMBRO 1717-12H

GL = 5010'

RKB = 20' @ 5030.00usft (RIG)

Plan: Design #1 (TIMBRO 1717-12H/Plan B)

Date: 9/02/2021

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-12H
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 1717-12H	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 1717-12H				
Well Position	+N/-S	0.00 usft	Northing:	1,522,109.00 usft	Latitude:	40.756876
	+E/-W	0.00 usft	Easting:	3,416,686.02 usft	Longitude:	-103.995886
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	52,192.19261752

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	179.72	

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	11,514.10	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 1717-12H
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 1717-12H	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	
398.70	0.00	0.00	398.70	0.00	0.00	0.00	0.00	0.00	0.00	
905.70	10.14	319.27	903.06	33.91	-29.20	2.00	2.00	0.00	319.27	
5,609.01	10.14	319.27	5,532.90	661.39	-569.49	0.00	0.00	0.00	0.00	
6,694.56	90.00	179.72	6,250.00	30.11	-649.61	9.00	7.36	-12.86	-139.10	
11,514.10	90.00	179.72	6,250.00	-4,789.38	-626.02	0.00	0.00	0.00	0.00	TIMBRO 1717-12H_E

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-12H
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 1717-12H	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
398.70	0.00	0.00	398.70	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 398.70ft									
400.00	0.03	319.27	400.00	0.00	0.00	0.00	2.00	2.00	0.00
500.00	2.03	319.27	499.98	1.36	-1.17	-1.36	2.00	2.00	0.00
600.00	4.03	319.27	599.83	5.36	-4.61	-5.38	2.00	2.00	0.00
700.00	6.03	319.27	699.44	12.00	-10.33	-12.05	2.00	2.00	0.00
800.00	8.03	319.27	798.69	21.26	-18.31	-21.35	2.00	2.00	0.00
905.70	10.14	319.27	903.06	33.91	-29.20	-34.05	2.00	2.00	0.00
Hold Tangent @ 905.70ft									
1,000.00	10.14	319.27	995.88	46.49	-40.03	-46.68	0.00	0.00	0.00
1,100.00	10.14	319.27	1,094.32	59.83	-51.52	-60.08	0.00	0.00	0.00
1,200.00	10.14	319.27	1,192.76	73.17	-63.00	-73.48	0.00	0.00	0.00
1,300.00	10.14	319.27	1,291.20	86.51	-74.49	-86.88	0.00	0.00	0.00
1,400.00	10.14	319.27	1,389.64	99.85	-85.98	-100.27	0.00	0.00	0.00
1,500.00	10.14	319.27	1,488.07	113.20	-97.47	-113.67	0.00	0.00	0.00
1,600.00	10.14	319.27	1,586.51	126.54	-108.95	-127.07	0.00	0.00	0.00
1,700.00	10.14	319.27	1,684.95	139.88	-120.44	-140.47	0.00	0.00	0.00
1,715.29	10.14	319.27	1,700.00	141.92	-122.20	-142.51	0.00	0.00	0.00
9 5/8"									
1,800.00	10.14	319.27	1,783.39	153.22	-131.93	-153.86	0.00	0.00	0.00
1,900.00	10.14	319.27	1,881.83	166.56	-143.42	-167.26	0.00	0.00	0.00
2,000.00	10.14	319.27	1,980.27	179.90	-154.90	-180.66	0.00	0.00	0.00
2,100.00	10.14	319.27	2,078.70	193.24	-166.39	-194.05	0.00	0.00	0.00
2,200.00	10.14	319.27	2,177.14	206.58	-177.88	-207.45	0.00	0.00	0.00
2,300.00	10.14	319.27	2,275.58	219.93	-189.37	-220.85	0.00	0.00	0.00
2,400.00	10.14	319.27	2,374.02	233.27	-200.85	-234.25	0.00	0.00	0.00
2,500.00	10.14	319.27	2,472.46	246.61	-212.34	-247.64	0.00	0.00	0.00
2,600.00	10.14	319.27	2,570.89	259.95	-223.83	-261.04	0.00	0.00	0.00
2,700.00	10.14	319.27	2,669.33	273.29	-235.32	-274.44	0.00	0.00	0.00
2,800.00	10.14	319.27	2,767.77	286.63	-246.80	-287.83	0.00	0.00	0.00
2,900.00	10.14	319.27	2,866.21	299.97	-258.29	-301.23	0.00	0.00	0.00
3,000.00	10.14	319.27	2,964.65	313.31	-269.78	-314.63	0.00	0.00	0.00
3,100.00	10.14	319.27	3,063.08	326.66	-281.27	-328.03	0.00	0.00	0.00
3,200.00	10.14	319.27	3,161.52	340.00	-292.75	-341.42	0.00	0.00	0.00
3,300.00	10.14	319.27	3,259.96	353.34	-304.24	-354.82	0.00	0.00	0.00
3,400.00	10.14	319.27	3,358.40	366.68	-315.73	-368.22	0.00	0.00	0.00
3,500.00	10.14	319.27	3,456.84	380.02	-327.22	-381.62	0.00	0.00	0.00
3,600.00	10.14	319.27	3,555.27	393.36	-338.70	-395.01	0.00	0.00	0.00
3,700.00	10.14	319.27	3,653.71	406.70	-350.19	-408.41	0.00	0.00	0.00
3,800.00	10.14	319.27	3,752.15	420.04	-361.68	-421.81	0.00	0.00	0.00
3,900.00	10.14	319.27	3,850.59	433.39	-373.17	-435.20	0.00	0.00	0.00
4,000.00	10.14	319.27	3,949.03	446.73	-384.65	-448.60	0.00	0.00	0.00
4,100.00	10.14	319.27	4,047.46	460.07	-396.14	-462.00	0.00	0.00	0.00
4,200.00	10.14	319.27	4,145.90	473.41	-407.63	-475.40	0.00	0.00	0.00
4,300.00	10.14	319.27	4,244.34	486.75	-419.12	-488.79	0.00	0.00	0.00
4,400.00	10.14	319.27	4,342.78	500.09	-430.60	-502.19	0.00	0.00	0.00
4,500.00	10.14	319.27	4,441.22	513.43	-442.09	-515.59	0.00	0.00	0.00
4,600.00	10.14	319.27	4,539.65	526.77	-453.58	-528.98	0.00	0.00	0.00
4,700.00	10.14	319.27	4,638.09	540.12	-465.06	-542.38	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-12H
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 1717-12H	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)
4,800.00	10.14	319.27	4,736.53	553.46	-476.55	-555.78	0.00	0.00	0.00
4,900.00	10.14	319.27	4,834.97	566.80	-488.04	-569.18	0.00	0.00	0.00
5,000.00	10.14	319.27	4,933.41	580.14	-499.53	-582.57	0.00	0.00	0.00
5,100.00	10.14	319.27	5,031.84	593.48	-511.01	-595.97	0.00	0.00	0.00
5,200.00	10.14	319.27	5,130.28	606.82	-522.50	-609.37	0.00	0.00	0.00
5,300.00	10.14	319.27	5,228.72	620.16	-533.99	-622.77	0.00	0.00	0.00
5,400.00	10.14	319.27	5,327.16	633.50	-545.48	-636.16	0.00	0.00	0.00
5,500.00	10.14	319.27	5,425.60	646.85	-556.96	-649.56	0.00	0.00	0.00
5,609.01	10.14	319.27	5,532.90	661.39	-569.49	-664.16	0.00	0.00	0.00
KOP @ 5609.01ft :: DLS = 9°/100'									
5,650.00	7.73	301.03	5,573.40	665.55	-574.21	-668.34	9.00	-5.87	-44.50
5,700.00	6.64	265.48	5,623.03	667.05	-579.97	-669.88	9.00	-2.19	-71.10
5,750.00	8.28	232.58	5,672.63	664.64	-585.72	-667.49	9.00	3.29	-65.80
5,800.00	11.55	214.31	5,721.89	658.31	-591.40	-661.19	9.00	6.54	-36.54
5,850.00	15.45	204.55	5,770.50	648.11	-596.99	-651.02	9.00	7.79	-19.52
5,900.00	19.60	198.74	5,818.18	634.10	-602.45	-637.04	9.00	8.30	-11.62
5,950.00	23.87	194.92	5,864.61	616.38	-607.76	-619.34	9.00	8.55	-7.64
6,000.00	28.21	192.21	5,909.53	595.04	-612.86	-598.02	9.00	8.68	-5.42
6,050.00	32.60	190.17	5,952.64	570.21	-617.74	-573.23	9.00	8.76	-4.07
6,100.00	37.00	188.58	5,993.69	542.07	-622.37	-545.10	9.00	8.81	-3.20
6,150.00	41.43	187.28	6,032.42	510.76	-626.71	-513.82	9.00	8.85	-2.60
6,200.00	45.86	186.18	6,068.59	476.50	-630.74	-479.58	9.00	8.87	-2.18
6,250.00	50.31	185.25	6,101.98	439.49	-634.43	-442.58	9.00	8.89	-1.88
6,300.00	54.76	184.42	6,132.39	399.95	-637.77	-403.06	9.00	8.90	-1.65
6,350.00	59.22	183.68	6,159.62	358.14	-640.72	-361.26	9.00	8.91	-1.48
6,400.00	63.68	183.01	6,183.51	314.30	-643.28	-317.44	9.00	8.92	-1.35
6,450.00	68.14	182.39	6,203.91	268.72	-645.43	-271.87	9.00	8.93	-1.25
6,500.00	72.61	181.80	6,220.70	221.67	-647.14	-224.83	9.00	8.93	-1.17
6,550.00	77.08	181.25	6,233.77	173.43	-648.42	-176.60	9.00	8.94	-1.11
6,600.00	81.55	180.71	6,243.04	124.32	-649.26	-127.49	9.00	8.94	-1.07
6,650.00	86.02	180.18	6,248.45	74.63	-649.64	-77.80	9.00	8.94	-1.05
6,694.56	90.00	179.72	6,250.00	30.11	-649.61	-33.28	9.00	8.94	-1.04
TPZ @ 6694.56ft									
6,700.00	90.00	179.72	6,250.00	24.67	-649.58	-27.84	0.00	0.00	0.00
6,800.00	90.00	179.72	6,250.00	-75.33	-649.09	72.16	0.00	0.00	0.00
6,900.00	90.00	179.72	6,250.00	-175.33	-648.60	172.16	0.00	0.00	0.00
7,000.00	90.00	179.72	6,250.00	-275.33	-648.11	272.16	0.00	0.00	0.00
7,100.00	90.00	179.72	6,250.00	-375.33	-647.62	372.16	0.00	0.00	0.00
7,200.00	90.00	179.72	6,250.00	-475.33	-647.13	472.16	0.00	0.00	0.00
7,300.00	90.00	179.72	6,250.00	-575.33	-646.64	572.16	0.00	0.00	0.00
7,400.00	90.00	179.72	6,250.00	-675.33	-646.15	672.16	0.00	0.00	0.00
7,500.00	90.00	179.72	6,250.00	-775.32	-645.66	772.16	0.00	0.00	0.00
7,600.00	90.00	179.72	6,250.00	-875.32	-645.17	872.16	0.00	0.00	0.00
7,700.00	90.00	179.72	6,250.00	-975.32	-644.69	972.16	0.00	0.00	0.00
7,800.00	90.00	179.72	6,250.00	-1,075.32	-644.20	1,072.16	0.00	0.00	0.00
7,900.00	90.00	179.72	6,250.00	-1,175.32	-643.71	1,172.16	0.00	0.00	0.00
8,000.00	90.00	179.72	6,250.00	-1,275.32	-643.22	1,272.16	0.00	0.00	0.00
8,100.00	90.00	179.72	6,250.00	-1,375.32	-642.73	1,372.16	0.00	0.00	0.00
8,200.00	90.00	179.72	6,250.00	-1,475.32	-642.24	1,472.16	0.00	0.00	0.00
8,300.00	90.00	179.72	6,250.00	-1,575.32	-641.75	1,572.16	0.00	0.00	0.00
8,400.00	90.00	179.72	6,250.00	-1,675.31	-641.26	1,672.16	0.00	0.00	0.00
8,500.00	90.00	179.72	6,250.00	-1,775.31	-640.77	1,772.16	0.00	0.00	0.00
8,600.00	90.00	179.72	6,250.00	-1,875.31	-640.28	1,872.16	0.00	0.00	0.00
8,700.00	90.00	179.72	6,250.00	-1,975.31	-639.79	1,972.16	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well TIMBRO 1717-12H
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 1717-12H	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)	
8,800.00	90.00	179.72	6,250.00	-2,075.31	-639.30	2,072.16	0.00	0.00	0.00	
8,900.00	90.00	179.72	6,250.00	-2,175.31	-638.81	2,172.16	0.00	0.00	0.00	
9,000.00	90.00	179.72	6,250.00	-2,275.31	-638.32	2,272.16	0.00	0.00	0.00	
9,100.00	90.00	179.72	6,250.00	-2,375.31	-637.83	2,372.16	0.00	0.00	0.00	
9,200.00	90.00	179.72	6,250.00	-2,475.30	-637.34	2,472.16	0.00	0.00	0.00	
9,300.00	90.00	179.72	6,250.00	-2,575.30	-636.86	2,572.16	0.00	0.00	0.00	
9,400.00	90.00	179.72	6,250.00	-2,675.30	-636.37	2,672.16	0.00	0.00	0.00	
9,500.00	90.00	179.72	6,250.00	-2,775.30	-635.88	2,772.16	0.00	0.00	0.00	
9,600.00	90.00	179.72	6,250.00	-2,875.30	-635.39	2,872.16	0.00	0.00	0.00	
9,700.00	90.00	179.72	6,250.00	-2,975.30	-634.90	2,972.16	0.00	0.00	0.00	
9,800.00	90.00	179.72	6,250.00	-3,075.30	-634.41	3,072.16	0.00	0.00	0.00	
9,900.00	90.00	179.72	6,250.00	-3,175.30	-633.92	3,172.16	0.00	0.00	0.00	
10,000.00	90.00	179.72	6,250.00	-3,275.29	-633.43	3,272.16	0.00	0.00	0.00	
10,100.00	90.00	179.72	6,250.00	-3,375.29	-632.94	3,372.16	0.00	0.00	0.00	
10,200.00	90.00	179.72	6,250.00	-3,475.29	-632.45	3,472.16	0.00	0.00	0.00	
10,300.00	90.00	179.72	6,250.00	-3,575.29	-631.96	3,572.16	0.00	0.00	0.00	
10,400.00	90.00	179.72	6,250.00	-3,675.29	-631.47	3,672.16	0.00	0.00	0.00	
10,500.00	90.00	179.72	6,250.00	-3,775.29	-630.98	3,772.16	0.00	0.00	0.00	
10,600.00	90.00	179.72	6,250.00	-3,875.29	-630.49	3,872.16	0.00	0.00	0.00	
10,700.00	90.00	179.72	6,250.00	-3,975.29	-630.00	3,972.16	0.00	0.00	0.00	
10,800.00	90.00	179.72	6,250.00	-4,075.29	-629.51	4,072.16	0.00	0.00	0.00	
10,900.00	90.00	179.72	6,250.00	-4,175.28	-629.03	4,172.16	0.00	0.00	0.00	
11,000.00	90.00	179.72	6,250.00	-4,275.28	-628.54	4,272.16	0.00	0.00	0.00	
11,100.00	90.00	179.72	6,250.00	-4,375.28	-628.05	4,372.16	0.00	0.00	0.00	
11,200.00	90.00	179.72	6,250.00	-4,475.28	-627.56	4,472.16	0.00	0.00	0.00	
11,300.00	90.00	179.72	6,250.00	-4,575.28	-627.07	4,572.16	0.00	0.00	0.00	
11,400.00	90.00	179.72	6,250.00	-4,675.28	-626.58	4,672.16	0.00	0.00	0.00	
11,424.11	90.00	179.72	6,250.00	-4,699.39	-626.46	4,696.27	0.00	0.00	0.00	
BPZ @ 11424.11ft										
11,500.00	90.00	179.72	6,250.00	-4,775.28	-626.09	4,772.16	0.00	0.00	0.00	
11,514.10	90.00	179.72	6,250.00	-4,789.38	-626.02	4,786.26	0.00	0.00	0.00	
TD Well @ 11514.10ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
1,715.29	1,700.00	9 5/8"		9-5/8	13-1/2

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
398.70	398.70	0.00	0.00	Begin Nudge @ 398.70ft	
905.70	903.06	33.91	-29.20	Hold Tangent @ 905.70ft	
5,609.01	5,532.90	661.39	-569.49	KOP @ 5609.01ft :: DLS = 9°/100'	
6,694.56	6,250.00	30.11	-649.61	TPZ @ 6694.56ft	
11,424.11	6,250.00	-4,699.39	-626.46	BPZ @ 11424.11ft	
11,514.10	6,250.00	-4,789.38	-626.02	TD Well @ 11514.10ft	