

VERDAD RESOURCES

WATTENBERG FIELD

9N-58W-34 SPEED GOAT FED PAD

SPEED GOAT FED 3432-06H

Plan C

Plan: Permit Rev-1

Standard Planning Report

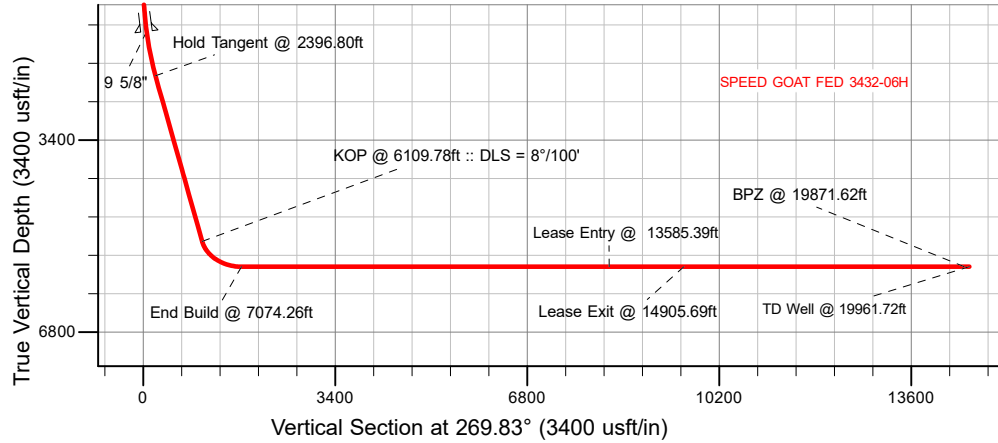
25 January, 2024

Project: WATTENBERG FIELD
Site: 9N-58W-34 SPEED GOAT FED PAD
Well: SPEED GOAT FED 3432-06H
Wellbore: Plan C
Design: Permit Rev-1

VERDAD RESOURCES

CASING DETAILS

TVD	MD	Name	Size
1474.00	1493.83	9 5/8"	9-5/8



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	499.80	0.00	0.00	499.80	0.00	0.00	0.00	0.00	0.00	
3	2396.80	37.94	201.02	2261.18	-565.17	-217.17	2.00	201.02	218.85	
4	6109.78	37.94	201.02	5189.44	-2696.13	-1036.03	0.00	0.00	1044.02	
5	7074.26	90.00	269.83	5640.00	-3025.73	-1733.33	8.00	73.00	1742.30	
6	19961.72	90.00	269.83	5640.00	-3064.37	-14620.73	0.00	0.00	14629.76	SPEED GOAT FED 3432-06H_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	MD	North	East	Lat	Long
SPEED GOAT FED 3432-06H_SHL	0.00	0.00	1507287.59	3459107.24	40.714126 -103.843791
SPEED GOAT FED 3432-06H_KOP	6109.78	5189.44	1504572.58	3458121.74	40.706726 -103.847528
SPEED GOAT FED 3432-06H_LP	7074.26	5640.00	1504230.02	3457430.72	40.705821 -103.850043
SPEED GOAT FED 3432-06H_Lease Entry	13585.39	5640.00	1504089.03	3450921.12	40.705764 -103.873527
SPEED GOAT FED 3432-06H_Lease Exit	14905.69	5640.00	1504060.48	3449601.14	40.705752 -103.878289
SPEED GOAT FED 3432-06H_BPZ	19871.62	5640.00	1503953.05	3444636.37	40.705705 -103.896200
SPEED GOAT FED 3432-06H_BHL	19961.72	5640.00	1503950.69	3444546.29	40.705703 -103.896525

SHL
311' FNL
961' FEL

KOP
2311' FSL
2020' FEL

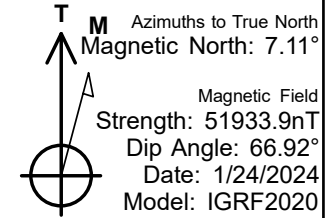
LP
1988' FSL
2550' FWL

LEASE ENTRY
2024' FSL
1320' FWL

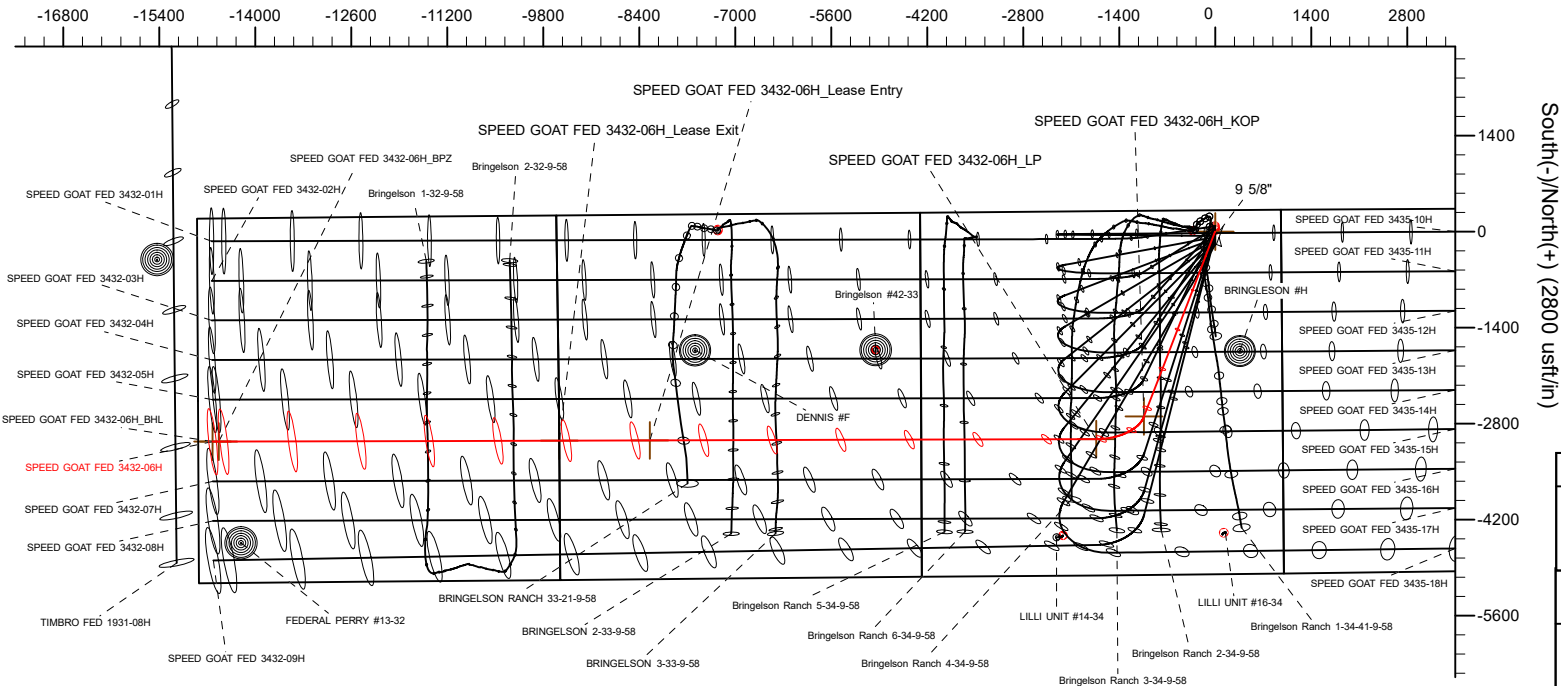
LEASE EXIT
2032' FSL
0' FEL

BPZ
2063' FSL
300' FWL

BHL
2063' FSL
210' FWL



West(-)/East(+) (2800 usft/in)



WELL DETAILS: SPEED GOAT FED 3432-06H

GL = 4724'
RKB = 20' @ 4744.00usft (RIG)

Plan: Permit Rev-1 (SPEED GOAT FED 3432-06H/Plan C)

Date: 1/25/2024

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-06H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 4744.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 4744.00usft (RIG)
Site:	9N-58W-34 SPEED GOAT FED PAD	North Reference:	True
Well:	SPEED GOAT FED 3432-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan C		
Design:	Permit Rev-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-58W-34 SPEED GOAT FED PAD				
Site Position:		Northing:	1,507,367.36	usft	Latitude:	40.714345
From:	Lat/Long	Easting:	3,459,105.19	usft	Longitude:	-103.843793
Position Uncertainty:		0.00	usft	Slot Radius:	13-3/16	"

Well	SPEED GOAT FED 3432-06H					
Well Position	+N/-S	0.00 usft	Northing:	1,507,287.60 usft	Latitude:	40.714126
	+E/-W	0.00 usft	Easting:	3,459,107.24 usft	Longitude:	-103.843791
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft	Ground Level:	4,724.00 usft
Grid Convergence:		1.07 °				

Wellbore	Plan C				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF202013	1/24/2024	7.11	66.92	51,933.87755224

Design	Permit Rev-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	269.83

Plan Survey Tool Program		Date	1/25/2024		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,474.00	Permit Rev-1 (Plan C)	ISCWSA MWD	
				Fixed:v2:standard declination	
2	1,474.00	19,961.72	Permit Rev-1 (Plan C)	ISCWSA MWD	
				Fixed:v2:standard declination	

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Site:	9N-58W-34 SPEED GOAT FED PAD	North Reference:	True
Well:	SPEED GOAT FED 3432-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan C		
Design:	Permit Rev-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	
499.80	0.00	0.00	499.80	0.00	0.00	0.00	0.00	0.00	0.00	
2,396.80	37.94	201.02	2,261.18	-565.17	-217.17	2.00	2.00	0.00	201.02	
6,109.78	37.94	201.02	5,189.44	-2,696.13	-1,036.03	0.00	0.00	0.00	0.00	
7,074.26	90.00	269.83	5,640.00	-3,025.73	-1,733.33	8.00	5.40	7.13	73.00	
19,961.73	90.00	269.83	5,640.00	-3,064.37	-14,620.73	0.00	0.00	0.00	0.00	SPEED GOAT FED 3

Planning Report

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Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 4744.00usft (RIG)
Site:	9N-58W-34 SPEED GOAT FED PAD	North Reference:	True
Well:	SPEED GOAT FED 3432-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan C		
Design:	Permit Rev-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
499.80	0.00	0.00	499.80	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 499.80ft									
600.00	2.00	201.02	599.98	-1.64	-0.63	0.63	2.00	2.00	0.00
700.00	4.00	201.02	699.84	-6.53	-2.51	2.53	2.00	2.00	0.00
800.00	6.00	201.02	799.45	-14.67	-5.64	5.68	2.00	2.00	0.00
900.00	8.00	201.02	898.70	-26.05	-10.01	10.09	2.00	2.00	0.00
1,000.00	10.00	201.02	997.46	-40.66	-15.62	15.74	2.00	2.00	0.00
1,100.00	12.00	201.02	1,095.62	-58.48	-22.47	22.64	2.00	2.00	0.00
1,200.00	14.00	201.02	1,193.05	-79.48	-30.54	30.78	2.00	2.00	0.00
1,300.00	16.00	201.02	1,289.64	-103.64	-39.83	40.13	2.00	2.00	0.00
1,400.00	18.00	201.02	1,385.26	-130.94	-50.32	50.70	2.00	2.00	0.00
1,493.83	19.88	201.02	1,474.00	-159.37	-61.24	61.71	2.00	2.00	0.00
9 5/8"									
1,500.00	20.00	201.02	1,479.80	-161.33	-62.00	62.47	2.00	2.00	0.00
1,600.00	22.00	201.02	1,573.15	-194.79	-74.85	75.43	2.00	2.00	0.00
1,700.00	24.00	201.02	1,665.20	-231.27	-88.87	89.55	2.00	2.00	0.00
1,800.00	26.00	201.02	1,755.82	-270.72	-104.03	104.83	2.00	2.00	0.00
1,900.00	28.00	201.02	1,844.91	-313.10	-120.31	121.24	2.00	2.00	0.00
2,000.00	30.00	201.02	1,932.37	-358.36	-137.71	138.77	2.00	2.00	0.00
2,100.00	32.00	201.02	2,018.08	-406.44	-156.18	157.39	2.00	2.00	0.00
2,200.00	34.00	201.02	2,101.94	-457.28	-175.72	177.07	2.00	2.00	0.00
2,300.00	36.00	201.02	2,183.84	-510.83	-196.29	197.81	2.00	2.00	0.00
2,396.80	37.94	201.02	2,261.18	-565.17	-217.17	218.85	2.00	2.00	0.00
Hold Tangent @ 2396.80ft									
2,400.00	37.94	201.02	2,263.70	-567.01	-217.88	219.56	0.00	0.00	0.00
2,500.00	37.94	201.02	2,342.56	-624.40	-239.93	241.79	0.00	0.00	0.00
2,600.00	37.94	201.02	2,421.43	-681.79	-261.99	264.01	0.00	0.00	0.00
2,700.00	37.94	201.02	2,500.30	-739.18	-284.04	286.23	0.00	0.00	0.00
2,800.00	37.94	201.02	2,579.16	-796.57	-306.10	308.46	0.00	0.00	0.00
2,900.00	37.94	201.02	2,658.03	-853.97	-328.15	330.68	0.00	0.00	0.00
3,000.00	37.94	201.02	2,736.89	-911.36	-350.20	352.91	0.00	0.00	0.00
3,100.00	37.94	201.02	2,815.76	-968.75	-372.26	375.13	0.00	0.00	0.00
3,200.00	37.94	201.02	2,894.62	-1,026.14	-394.31	397.35	0.00	0.00	0.00
3,300.00	37.94	201.02	2,973.49	-1,083.53	-416.36	419.58	0.00	0.00	0.00
3,400.00	37.94	201.02	3,052.35	-1,140.93	-438.42	441.80	0.00	0.00	0.00
3,500.00	37.94	201.02	3,131.22	-1,198.32	-460.47	464.03	0.00	0.00	0.00
3,600.00	37.94	201.02	3,210.09	-1,255.71	-482.53	486.25	0.00	0.00	0.00
3,700.00	37.94	201.02	3,288.95	-1,313.10	-504.58	508.47	0.00	0.00	0.00
3,800.00	37.94	201.02	3,367.82	-1,370.50	-526.63	530.70	0.00	0.00	0.00
3,900.00	37.94	201.02	3,446.68	-1,427.89	-548.69	552.92	0.00	0.00	0.00
4,000.00	37.94	201.02	3,525.55	-1,485.28	-570.74	575.14	0.00	0.00	0.00
4,100.00	37.94	201.02	3,604.41	-1,542.67	-592.79	597.37	0.00	0.00	0.00
4,200.00	37.94	201.02	3,683.28	-1,600.06	-614.85	619.59	0.00	0.00	0.00
4,300.00	37.94	201.02	3,762.14	-1,657.46	-636.90	641.82	0.00	0.00	0.00
4,400.00	37.94	201.02	3,841.01	-1,714.85	-658.96	664.04	0.00	0.00	0.00
4,500.00	37.94	201.02	3,919.87	-1,772.24	-681.01	686.26	0.00	0.00	0.00
4,600.00	37.94	201.02	3,998.74	-1,829.63	-703.06	708.49	0.00	0.00	0.00
4,700.00	37.94	201.02	4,077.61	-1,887.03	-725.12	730.71	0.00	0.00	0.00

Planning Report

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Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 4744.00usft (RIG)
Site:	9N-58W-34 SPEED GOAT FED PAD	North Reference:	True
Well:	SPEED GOAT FED 3432-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan C		
Design:	Permit Rev-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	37.94	201.02	4,156.47	-1,944.42	-747.17	752.94	0.00	0.00	0.00
4,900.00	37.94	201.02	4,235.34	-2,001.81	-769.22	775.16	0.00	0.00	0.00
5,000.00	37.94	201.02	4,314.20	-2,059.20	-791.28	797.38	0.00	0.00	0.00
5,100.00	37.94	201.02	4,393.07	-2,116.59	-813.33	819.61	0.00	0.00	0.00
5,200.00	37.94	201.02	4,471.93	-2,173.99	-835.39	841.83	0.00	0.00	0.00
5,300.00	37.94	201.02	4,550.80	-2,231.38	-857.44	864.06	0.00	0.00	0.00
5,400.00	37.94	201.02	4,629.66	-2,288.77	-879.49	886.28	0.00	0.00	0.00
5,500.00	37.94	201.02	4,708.53	-2,346.16	-901.55	908.50	0.00	0.00	0.00
5,600.00	37.94	201.02	4,787.40	-2,403.56	-923.60	930.73	0.00	0.00	0.00
5,700.00	37.94	201.02	4,866.26	-2,460.95	-945.65	952.95	0.00	0.00	0.00
5,800.00	37.94	201.02	4,945.13	-2,518.34	-967.71	975.18	0.00	0.00	0.00
5,900.00	37.94	201.02	5,023.99	-2,575.73	-989.76	997.40	0.00	0.00	0.00
6,000.00	37.94	201.02	5,102.86	-2,633.12	-1,011.82	1,019.62	0.00	0.00	0.00
6,109.78	37.94	201.02	5,189.44	-2,696.13	-1,036.03	1,044.02	0.00	0.00	0.00
KOP @ 6109.78ft :: DLS = 8°/100'									
6,150.00	38.98	205.91	5,220.94	-2,719.06	-1,045.99	1,054.06	8.00	2.60	12.17
6,200.00	40.55	211.67	5,259.38	-2,747.05	-1,061.41	1,069.55	8.00	3.14	11.51
6,250.00	42.39	217.04	5,296.86	-2,774.34	-1,080.10	1,088.33	8.00	3.67	10.74
6,300.00	44.45	222.02	5,333.18	-2,800.81	-1,101.98	1,110.29	8.00	4.14	9.97
6,350.00	46.72	226.64	5,368.18	-2,826.33	-1,126.94	1,135.32	8.00	4.54	9.23
6,400.00	49.16	230.91	5,401.68	-2,850.76	-1,154.87	1,163.32	8.00	4.88	8.54
6,450.00	51.75	234.87	5,433.52	-2,874.00	-1,185.62	1,194.14	8.00	5.17	7.92
6,500.00	54.46	238.55	5,463.54	-2,895.92	-1,219.04	1,227.63	8.00	5.42	7.36
6,550.00	57.27	241.98	5,491.60	-2,916.42	-1,254.97	1,263.62	8.00	5.63	6.87
6,600.00	60.18	245.20	5,517.56	-2,935.41	-1,293.24	1,301.95	8.00	5.80	6.44
6,650.00	63.15	248.24	5,541.29	-2,952.78	-1,333.66	1,342.42	8.00	5.95	6.07
6,700.00	66.19	251.12	5,562.68	-2,968.46	-1,376.04	1,384.84	8.00	6.07	5.76
6,750.00	69.28	253.87	5,581.63	-2,982.36	-1,420.16	1,429.00	8.00	6.18	5.49
6,800.00	72.41	256.50	5,598.04	-2,994.43	-1,465.81	1,474.69	8.00	6.26	5.27
6,850.00	75.57	259.05	5,611.83	-3,004.59	-1,512.78	1,521.68	8.00	6.33	5.09
6,900.00	78.76	261.52	5,622.94	-3,012.81	-1,560.82	1,569.75	8.00	6.38	4.95
6,950.00	81.97	263.94	5,631.30	-3,019.03	-1,609.71	1,618.66	8.00	6.42	4.84
7,000.00	85.20	266.33	5,636.89	-3,023.24	-1,659.21	1,668.17	8.00	6.45	4.76
7,050.00	88.43	268.69	5,639.67	-3,025.41	-1,709.07	1,718.04	8.00	6.47	4.72
7,074.26	90.00	269.83	5,640.00	-3,025.73	-1,733.33	1,742.30	8.00	6.47	4.70
End Build @ 7074.26ft									
7,100.00	90.00	269.83	5,640.00	-3,025.80	-1,759.07	1,768.04	0.00	0.00	0.00
7,200.00	90.00	269.83	5,640.00	-3,026.10	-1,859.07	1,868.04	0.00	0.00	0.00
7,300.00	90.00	269.83	5,640.00	-3,026.40	-1,959.07	1,968.04	0.00	0.00	0.00
7,400.00	90.00	269.83	5,640.00	-3,026.70	-2,059.06	2,068.04	0.00	0.00	0.00
7,500.00	90.00	269.83	5,640.00	-3,027.00	-2,159.06	2,168.04	0.00	0.00	0.00
7,600.00	90.00	269.83	5,640.00	-3,027.30	-2,259.06	2,268.04	0.00	0.00	0.00
7,700.00	90.00	269.83	5,640.00	-3,027.60	-2,359.06	2,368.04	0.00	0.00	0.00
7,800.00	90.00	269.83	5,640.00	-3,027.90	-2,459.06	2,468.04	0.00	0.00	0.00
7,900.00	90.00	269.83	5,640.00	-3,028.20	-2,559.06	2,568.04	0.00	0.00	0.00
8,000.00	90.00	269.83	5,640.00	-3,028.50	-2,659.06	2,668.04	0.00	0.00	0.00
8,100.00	90.00	269.83	5,640.00	-3,028.80	-2,759.06	2,768.04	0.00	0.00	0.00
8,200.00	90.00	269.83	5,640.00	-3,029.10	-2,859.06	2,868.04	0.00	0.00	0.00
8,300.00	90.00	269.83	5,640.00	-3,029.40	-2,959.06	2,968.04	0.00	0.00	0.00
8,400.00	90.00	269.83	5,640.00	-3,029.70	-3,059.06	3,068.04	0.00	0.00	0.00
8,500.00	90.00	269.83	5,640.00	-3,030.00	-3,159.06	3,168.04	0.00	0.00	0.00
8,600.00	90.00	269.83	5,640.00	-3,030.30	-3,259.06	3,268.04	0.00	0.00	0.00
8,700.00	90.00	269.83	5,640.00	-3,030.60	-3,359.06	3,368.04	0.00	0.00	0.00
8,800.00	90.00	269.83	5,640.00	-3,030.90	-3,459.06	3,468.04	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-06H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 4744.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 4744.00usft (RIG)
Site:	9N-58W-34 SPEED GOAT FED PAD	North Reference:	True
Well:	SPEED GOAT FED 3432-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan C		
Design:	Permit Rev-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	269.83	5,640.00	-3,031.20	-3,559.06	3,568.04	0.00	0.00	0.00	
9,000.00	90.00	269.83	5,640.00	-3,031.50	-3,659.06	3,668.04	0.00	0.00	0.00	
9,100.00	90.00	269.83	5,640.00	-3,031.80	-3,759.06	3,768.04	0.00	0.00	0.00	
9,200.00	90.00	269.83	5,640.00	-3,032.10	-3,859.06	3,868.04	0.00	0.00	0.00	
9,300.00	90.00	269.83	5,640.00	-3,032.40	-3,959.06	3,968.04	0.00	0.00	0.00	
9,400.00	90.00	269.83	5,640.00	-3,032.70	-4,059.06	4,068.04	0.00	0.00	0.00	
9,500.00	90.00	269.83	5,640.00	-3,033.00	-4,159.06	4,168.04	0.00	0.00	0.00	
9,600.00	90.00	269.83	5,640.00	-3,033.30	-4,259.06	4,268.04	0.00	0.00	0.00	
9,700.00	90.00	269.83	5,640.00	-3,033.60	-4,359.05	4,368.04	0.00	0.00	0.00	
9,800.00	90.00	269.83	5,640.00	-3,033.90	-4,459.05	4,468.04	0.00	0.00	0.00	
9,900.00	90.00	269.83	5,640.00	-3,034.20	-4,559.05	4,568.04	0.00	0.00	0.00	
10,000.00	90.00	269.83	5,640.00	-3,034.50	-4,659.05	4,668.04	0.00	0.00	0.00	
10,100.00	90.00	269.83	5,640.00	-3,034.80	-4,759.05	4,768.04	0.00	0.00	0.00	
10,200.00	90.00	269.83	5,640.00	-3,035.10	-4,859.05	4,868.04	0.00	0.00	0.00	
10,300.00	90.00	269.83	5,640.00	-3,035.40	-4,959.05	4,968.04	0.00	0.00	0.00	
10,400.00	90.00	269.83	5,640.00	-3,035.70	-5,059.05	5,068.04	0.00	0.00	0.00	
10,500.00	90.00	269.83	5,640.00	-3,036.00	-5,159.05	5,168.04	0.00	0.00	0.00	
10,600.00	90.00	269.83	5,640.00	-3,036.30	-5,259.05	5,268.04	0.00	0.00	0.00	
10,700.00	90.00	269.83	5,640.00	-3,036.60	-5,359.05	5,368.04	0.00	0.00	0.00	
10,800.00	90.00	269.83	5,640.00	-3,036.90	-5,459.05	5,468.04	0.00	0.00	0.00	
10,900.00	90.00	269.83	5,640.00	-3,037.20	-5,559.05	5,568.04	0.00	0.00	0.00	
11,000.00	90.00	269.83	5,640.00	-3,037.50	-5,659.05	5,668.04	0.00	0.00	0.00	
11,100.00	90.00	269.83	5,640.00	-3,037.80	-5,759.05	5,768.04	0.00	0.00	0.00	
11,200.00	90.00	269.83	5,640.00	-3,038.10	-5,859.05	5,868.04	0.00	0.00	0.00	
11,300.00	90.00	269.83	5,640.00	-3,038.40	-5,959.05	5,968.04	0.00	0.00	0.00	
11,400.00	90.00	269.83	5,640.00	-3,038.70	-6,059.05	6,068.04	0.00	0.00	0.00	
11,500.00	90.00	269.83	5,640.00	-3,039.00	-6,159.05	6,168.04	0.00	0.00	0.00	
11,600.00	90.00	269.83	5,640.00	-3,039.30	-6,259.05	6,268.04	0.00	0.00	0.00	
11,700.00	90.00	269.83	5,640.00	-3,039.60	-6,359.05	6,368.04	0.00	0.00	0.00	
11,800.00	90.00	269.83	5,640.00	-3,039.90	-6,459.05	6,468.04	0.00	0.00	0.00	
11,900.00	90.00	269.83	5,640.00	-3,040.20	-6,559.04	6,568.04	0.00	0.00	0.00	
12,000.00	90.00	269.83	5,640.00	-3,040.50	-6,659.04	6,668.04	0.00	0.00	0.00	
12,100.00	90.00	269.83	5,640.00	-3,040.80	-6,759.04	6,768.04	0.00	0.00	0.00	
12,200.00	90.00	269.83	5,640.00	-3,041.10	-6,859.04	6,868.04	0.00	0.00	0.00	
12,300.00	90.00	269.83	5,640.00	-3,041.40	-6,959.04	6,968.04	0.00	0.00	0.00	
12,400.00	90.00	269.83	5,640.00	-3,041.70	-7,059.04	7,068.04	0.00	0.00	0.00	
12,500.00	90.00	269.83	5,640.00	-3,042.00	-7,159.04	7,168.04	0.00	0.00	0.00	
12,600.00	90.00	269.83	5,640.00	-3,042.30	-7,259.04	7,268.04	0.00	0.00	0.00	
12,700.00	90.00	269.83	5,640.00	-3,042.60	-7,359.04	7,368.04	0.00	0.00	0.00	
12,800.00	90.00	269.83	5,640.00	-3,042.90	-7,459.04	7,468.04	0.00	0.00	0.00	
12,900.00	90.00	269.83	5,640.00	-3,043.20	-7,559.04	7,568.04	0.00	0.00	0.00	
13,000.00	90.00	269.83	5,640.00	-3,043.50	-7,659.04	7,668.04	0.00	0.00	0.00	
13,100.00	90.00	269.83	5,640.00	-3,043.80	-7,759.04	7,768.04	0.00	0.00	0.00	
13,200.00	90.00	269.83	5,640.00	-3,044.10	-7,859.04	7,868.04	0.00	0.00	0.00	
13,300.00	90.00	269.83	5,640.00	-3,044.40	-7,959.04	7,968.04	0.00	0.00	0.00	
13,400.00	90.00	269.83	5,640.00	-3,044.70	-8,059.04	8,068.04	0.00	0.00	0.00	
13,500.00	90.00	269.83	5,640.00	-3,045.00	-8,159.04	8,168.04	0.00	0.00	0.00	
13,585.39	90.00	269.83	5,640.00	-3,045.25	-8,244.43	8,253.43	0.00	0.00	0.00	
Lease Entry @ 13585.39ft										
13,600.00	90.00	269.83	5,640.00	-3,045.30	-8,259.04	8,268.04	0.00	0.00	0.00	
13,700.00	90.00	269.83	5,640.00	-3,045.60	-8,359.04	8,368.04	0.00	0.00	0.00	
13,800.00	90.00	269.83	5,640.00	-3,045.90	-8,459.04	8,468.04	0.00	0.00	0.00	
13,900.00	90.00	269.83	5,640.00	-3,046.20	-8,559.04	8,568.04	0.00	0.00	0.00	
14,000.00	90.00	269.83	5,640.00	-3,046.50	-8,659.04	8,668.04	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-06H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 4744.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 4744.00usft (RIG)
Site:	9N-58W-34 SPEED GOAT FED PAD	North Reference:	True
Well:	SPEED GOAT FED 3432-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan C		
Design:	Permit Rev-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)
14,100.00	90.00	269.83	5,640.00	-3,046.80	-8,759.03	8,768.04	0.00	0.00	0.00
14,200.00	90.00	269.83	5,640.00	-3,047.10	-8,859.03	8,868.04	0.00	0.00	0.00
14,300.00	90.00	269.83	5,640.00	-3,047.40	-8,959.03	8,968.04	0.00	0.00	0.00
14,400.00	90.00	269.83	5,640.00	-3,047.70	-9,059.03	9,068.04	0.00	0.00	0.00
14,500.00	90.00	269.83	5,640.00	-3,048.00	-9,159.03	9,168.04	0.00	0.00	0.00
14,600.00	90.00	269.83	5,640.00	-3,048.30	-9,259.03	9,268.04	0.00	0.00	0.00
14,700.00	90.00	269.83	5,640.00	-3,048.60	-9,359.03	9,368.04	0.00	0.00	0.00
14,800.00	90.00	269.83	5,640.00	-3,048.90	-9,459.03	9,468.04	0.00	0.00	0.00
14,900.00	90.00	269.83	5,640.00	-3,049.20	-9,559.03	9,568.04	0.00	0.00	0.00
14,905.69	90.00	269.83	5,640.00	-3,049.21	-9,564.72	9,573.73	0.00	0.00	0.00
Lease Exit @ 14905.69ft									
15,000.00	90.00	269.83	5,640.00	-3,049.50	-9,659.03	9,668.04	0.00	0.00	0.00
15,100.00	90.00	269.83	5,640.00	-3,049.80	-9,759.03	9,768.04	0.00	0.00	0.00
15,200.00	90.00	269.83	5,640.00	-3,050.09	-9,859.03	9,868.04	0.00	0.00	0.00
15,300.00	90.00	269.83	5,640.00	-3,050.39	-9,959.03	9,968.04	0.00	0.00	0.00
15,400.00	90.00	269.83	5,640.00	-3,050.69	-10,059.03	10,068.04	0.00	0.00	0.00
15,500.00	90.00	269.83	5,640.00	-3,050.99	-10,159.03	10,168.04	0.00	0.00	0.00
15,600.00	90.00	269.83	5,640.00	-3,051.29	-10,259.03	10,268.04	0.00	0.00	0.00
15,700.00	90.00	269.83	5,640.00	-3,051.59	-10,359.03	10,368.04	0.00	0.00	0.00
15,800.00	90.00	269.83	5,640.00	-3,051.89	-10,459.03	10,468.04	0.00	0.00	0.00
15,900.00	90.00	269.83	5,640.00	-3,052.19	-10,559.03	10,568.04	0.00	0.00	0.00
16,000.00	90.00	269.83	5,640.00	-3,052.49	-10,659.03	10,668.04	0.00	0.00	0.00
16,100.00	90.00	269.83	5,640.00	-3,052.79	-10,759.03	10,768.04	0.00	0.00	0.00
16,200.00	90.00	269.83	5,640.00	-3,053.09	-10,859.03	10,868.04	0.00	0.00	0.00
16,300.00	90.00	269.83	5,640.00	-3,053.39	-10,959.03	10,968.04	0.00	0.00	0.00
16,400.00	90.00	269.83	5,640.00	-3,053.69	-11,059.02	11,068.04	0.00	0.00	0.00
16,500.00	90.00	269.83	5,640.00	-3,053.99	-11,159.02	11,168.04	0.00	0.00	0.00
16,600.00	90.00	269.83	5,640.00	-3,054.29	-11,259.02	11,268.04	0.00	0.00	0.00
16,700.00	90.00	269.83	5,640.00	-3,054.59	-11,359.02	11,368.04	0.00	0.00	0.00
16,800.00	90.00	269.83	5,640.00	-3,054.89	-11,459.02	11,468.04	0.00	0.00	0.00
16,900.00	90.00	269.83	5,640.00	-3,055.19	-11,559.02	11,568.04	0.00	0.00	0.00
17,000.00	90.00	269.83	5,640.00	-3,055.49	-11,659.02	11,668.04	0.00	0.00	0.00
17,100.00	90.00	269.83	5,640.00	-3,055.79	-11,759.02	11,768.04	0.00	0.00	0.00
17,200.00	90.00	269.83	5,640.00	-3,056.09	-11,859.02	11,868.04	0.00	0.00	0.00
17,300.00	90.00	269.83	5,640.00	-3,056.39	-11,959.02	11,968.04	0.00	0.00	0.00
17,400.00	90.00	269.83	5,640.00	-3,056.69	-12,059.02	12,068.04	0.00	0.00	0.00
17,500.00	90.00	269.83	5,640.00	-3,056.99	-12,159.02	12,168.04	0.00	0.00	0.00
17,600.00	90.00	269.83	5,640.00	-3,057.29	-12,259.02	12,268.04	0.00	0.00	0.00
17,700.00	90.00	269.83	5,640.00	-3,057.59	-12,359.02	12,368.04	0.00	0.00	0.00
17,800.00	90.00	269.83	5,640.00	-3,057.89	-12,459.02	12,468.04	0.00	0.00	0.00
17,900.00	90.00	269.83	5,640.00	-3,058.19	-12,559.02	12,568.04	0.00	0.00	0.00
18,000.00	90.00	269.83	5,640.00	-3,058.49	-12,659.02	12,668.04	0.00	0.00	0.00
18,100.00	90.00	269.83	5,640.00	-3,058.79	-12,759.02	12,768.04	0.00	0.00	0.00
18,200.00	90.00	269.83	5,640.00	-3,059.09	-12,859.02	12,868.04	0.00	0.00	0.00
18,300.00	90.00	269.83	5,640.00	-3,059.39	-12,959.02	12,968.04	0.00	0.00	0.00
18,400.00	90.00	269.83	5,640.00	-3,059.69	-13,059.02	13,068.04	0.00	0.00	0.00
18,500.00	90.00	269.83	5,640.00	-3,059.99	-13,159.02	13,168.04	0.00	0.00	0.00
18,600.00	90.00	269.83	5,640.00	-3,060.29	-13,259.01	13,268.04	0.00	0.00	0.00
18,700.00	90.00	269.83	5,640.00	-3,060.59	-13,359.01	13,368.04	0.00	0.00	0.00
18,800.00	90.00	269.83	5,640.00	-3,060.89	-13,459.01	13,468.04	0.00	0.00	0.00
18,900.00	90.00	269.83	5,640.00	-3,061.19	-13,559.01	13,568.04	0.00	0.00	0.00
19,000.00	90.00	269.83	5,640.00	-3,061.49	-13,659.01	13,668.04	0.00	0.00	0.00
19,100.00	90.00	269.83	5,640.00	-3,061.79	-13,759.01	13,768.04	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-06H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 4744.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 4744.00usft (RIG)
Site:	9N-58W-34 SPEED GOAT FED PAD	North Reference:	True
Well:	SPEED GOAT FED 3432-06H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan C		
Design:	Permit Rev-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)
19,200.00	90.00	269.83	5,640.00	-3,062.09	-13,859.01	13,868.04	0.00	0.00	0.00
19,300.00	90.00	269.83	5,640.00	-3,062.39	-13,959.01	13,968.04	0.00	0.00	0.00
19,400.00	90.00	269.83	5,640.00	-3,062.69	-14,059.01	14,068.04	0.00	0.00	0.00
19,500.00	90.00	269.83	5,640.00	-3,062.99	-14,159.01	14,168.04	0.00	0.00	0.00
19,600.00	90.00	269.83	5,640.00	-3,063.29	-14,259.01	14,268.04	0.00	0.00	0.00
19,700.00	90.00	269.83	5,640.00	-3,063.59	-14,359.01	14,368.04	0.00	0.00	0.00
19,800.00	90.00	269.83	5,640.00	-3,063.89	-14,459.01	14,468.04	0.00	0.00	0.00
19,871.62	90.00	269.83	5,640.00	-3,064.10	-14,530.63	14,539.66	0.00	0.00	0.00
BPZ @ 19871.62ft									
19,900.00	90.00	269.83	5,640.00	-3,064.19	-14,559.01	14,568.04	0.00	0.00	0.00
19,961.73	90.00	269.83	5,640.00	-3,064.37	-14,620.73	14,629.76	0.00	0.00	0.00
TD Well @ 19961.72ft									

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,493.83	1,474.00	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)	
499.80	499.80	0.00	0.00	Begin Nudge @ 499.80ft
2,396.80	2,261.18	-565.17	-217.17	Hold Tangent @ 2396.80ft
6,109.78	5,189.44	-2,696.13	-1,036.03	KOP @ 6109.78ft :: DLS = 8°/100'
7,074.26	5,640.00	-3,025.73	-1,733.33	End Build @ 7074.26ft
13,585.39	5,640.00	-3,045.25	-8,244.43	Lease Entry @ 13585.39ft
14,905.69	5,640.00	-3,049.21	-9,564.72	Lease Exit @ 14905.69ft
19,871.62	5,640.00	-3,064.10	-14,530.63	BPZ @ 19871.62ft
19,961.73	5,640.00	-3,064.37	-14,620.73	TD Well @ 19961.72ft