

VERDAD RESOURCES

WATTENBERG FIELD

9N-58W-34 SPEED GOAT FED PAD

SPEED GOAT FED 3432-01H

Plan C

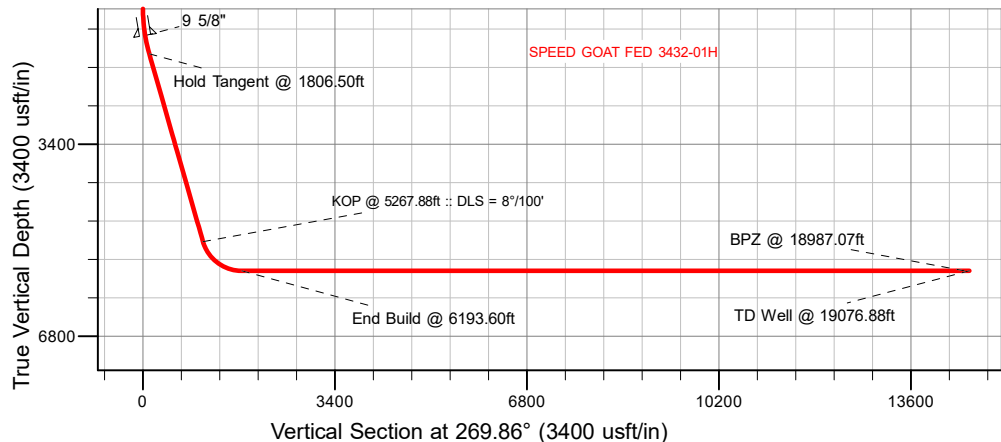
Plan: Permit Rev-1

Standard Planning Report

25 January, 2024

VERDAD RESOURCES

CASING DETAILS			
TVD	MD	Name	Size
1474.00	1476.19	9 5/8"	9-5/8



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	
3	1806.50	16.13	261.23	1795.99	-17.19	-111.46	2.00	261.23	111.50	
4	5267.88	16.13	261.23	5121.01	-163.81	-1061.85	0.00	0.00	1062.24	
5	6193.60	90.00	269.86	5640.00	-188.03	-1750.44	8.00	8.98	1750.89	
6	19076.88	90.00	269.86	5640.00	-219.70	-14633.69	0.00	0.00	14634.18	SPEED GOAT FDev 3432.01H_BH1

WELLBORE TARGET DETAILS (LAT/LONG)						
Name	MD	TVD	Northing	Easting	Latitude	Longitude
SPEED GOAT FED 3432-01H_SHL	0.00	0.00	1507367.36	3459105.19	40.714345	-103.843793
SPEED GOAT FED 3432-01H_KOP	5267.88	5121.01	1507183.74	3458046.59	40.713895	-103.847623
SPEED GOAT FED 3432-01H_LP	6193.60	5640.00	1507146.67	3457358.57	40.713829	-103.850107
SPEED GOAT FED 3432-01H_BPZ	18987.07	5640.00	1506876.74	3444567.95	40.713732	-103.896256
SPEED GOAT FED 3432-01H_BHL	19076.88	5640.00	1506874.39	3444478.16	40.713730	-103.896580

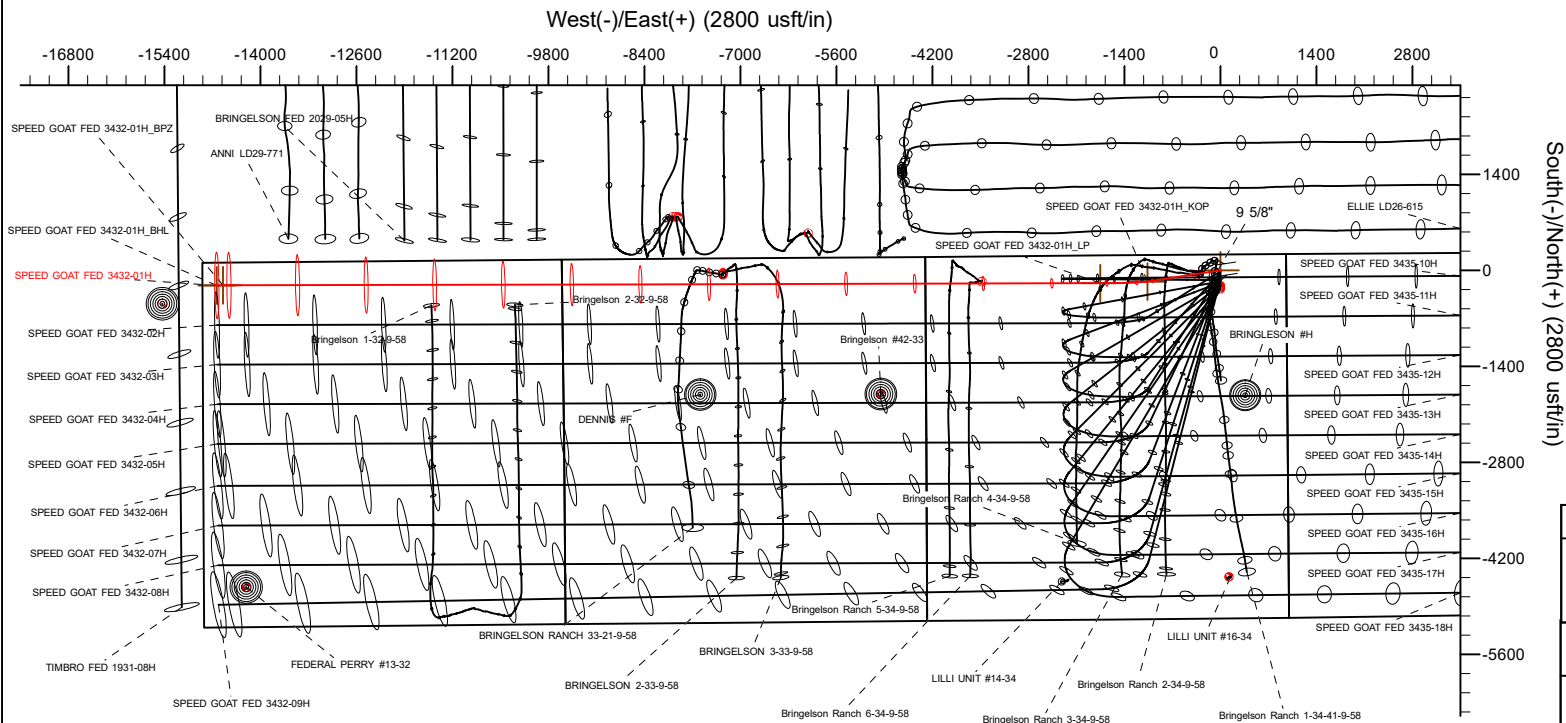
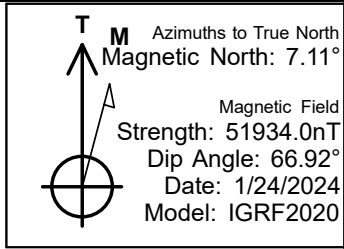
SHL
231' FNL
961' FEL

KOP
387' FNL
2024' FEL

LP
405' FNL
2550' FWL

BPZ
330' FNL
300' FWL

BHL
330' FNL
210' FWL



WELL DETAILS: SPEED GOAT FED 3432-01H
GL = 4724' RKB = 20' @ 4744.00usft (RIG)
Plan: Permit Rev-1 (SPEED GOAT FED 3432-01H/Plan C)
Date: 1/25/2024

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-01H
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 3432-01H	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 3432-01H			
Well Position	+N/-S	0.00 usft	Northing:	1,507,367.36 usft
	+E/-W	0.00 usft	Easting:	3,459,105.19 usft
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft
Grid Convergence:		1.07 °	Ground Level:	4,724.00 usft

Wellbore	Plan C				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF202013	1/24/2024	7.11	66.92	51,933.99041185

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	269.86	

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	19,076.88	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 3432-01H	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	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,806.50	16.13	261.23	1,795.89	-17.19	-111.46	2.00	2.00	0.00	261.23	
5,267.88	16.13	261.23	5,121.01	-163.81	-1,061.85	0.00	0.00	0.00	0.00	
6,193.60	90.00	269.86	5,640.00	-188.03	-1,750.44	8.00	7.98	0.93	8.98	
19,076.88	90.00	269.86	5,640.00	-219.70	-14,633.69	0.00	0.00	0.00	0.00	SPEED GOAT FED 3

Planning Report

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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 3432-01H	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
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 1000.00ft									
1,100.00	2.00	261.23	1,099.98	-0.27	-1.72	1.73	2.00	2.00	0.00
1,200.00	4.00	261.23	1,199.84	-1.06	-6.90	6.90	2.00	2.00	0.00
1,300.00	6.00	261.23	1,299.45	-2.39	-15.51	15.52	2.00	2.00	0.00
1,400.00	8.00	261.23	1,398.70	-4.25	-27.55	27.56	2.00	2.00	0.00
1,476.19	9.52	261.23	1,474.00	-6.02	-39.02	39.04	2.00	2.00	0.00
9 5/8"									
1,500.00	10.00	261.23	1,497.47	-6.64	-43.01	43.03	2.00	2.00	0.00
1,600.00	12.00	261.23	1,595.62	-9.54	-61.87	61.89	2.00	2.00	0.00
1,700.00	14.00	261.23	1,693.06	-12.97	-84.10	84.13	2.00	2.00	0.00
1,806.50	16.13	261.23	1,795.89	-17.19	-111.46	111.50	2.00	2.00	0.00
Hold Tangent @ 1806.50ft									
1,900.00	16.13	261.23	1,885.71	-21.16	-137.13	137.18	0.00	0.00	0.00
2,000.00	16.13	261.23	1,981.77	-25.39	-164.59	164.65	0.00	0.00	0.00
2,100.00	16.13	261.23	2,077.84	-29.63	-192.04	192.12	0.00	0.00	0.00
2,200.00	16.13	261.23	2,173.90	-33.86	-219.50	219.58	0.00	0.00	0.00
2,300.00	16.13	261.23	2,269.96	-38.10	-246.96	247.05	0.00	0.00	0.00
2,400.00	16.13	261.23	2,366.03	-42.33	-274.41	274.52	0.00	0.00	0.00
2,500.00	16.13	261.23	2,462.09	-46.57	-301.87	301.98	0.00	0.00	0.00
2,600.00	16.13	261.23	2,558.15	-50.81	-329.33	329.45	0.00	0.00	0.00
2,700.00	16.13	261.23	2,654.22	-55.04	-356.79	356.92	0.00	0.00	0.00
2,800.00	16.13	261.23	2,750.28	-59.28	-384.24	384.39	0.00	0.00	0.00
2,900.00	16.13	261.23	2,846.34	-63.51	-411.70	411.85	0.00	0.00	0.00
3,000.00	16.13	261.23	2,942.41	-67.75	-439.16	439.32	0.00	0.00	0.00
3,100.00	16.13	261.23	3,038.47	-71.99	-466.61	466.79	0.00	0.00	0.00
3,200.00	16.13	261.23	3,134.53	-76.22	-494.07	494.25	0.00	0.00	0.00
3,300.00	16.13	261.23	3,230.60	-80.46	-521.53	521.72	0.00	0.00	0.00
3,400.00	16.13	261.23	3,326.66	-84.69	-548.98	549.19	0.00	0.00	0.00
3,500.00	16.13	261.23	3,422.72	-88.93	-576.44	576.66	0.00	0.00	0.00
3,600.00	16.13	261.23	3,518.79	-93.16	-603.90	604.12	0.00	0.00	0.00
3,700.00	16.13	261.23	3,614.85	-97.40	-631.35	631.59	0.00	0.00	0.00
3,800.00	16.13	261.23	3,710.91	-101.64	-658.81	659.06	0.00	0.00	0.00
3,900.00	16.13	261.23	3,806.98	-105.87	-686.27	686.53	0.00	0.00	0.00
4,000.00	16.13	261.23	3,903.04	-110.11	-713.73	713.99	0.00	0.00	0.00
4,100.00	16.13	261.23	3,999.10	-114.34	-741.18	741.46	0.00	0.00	0.00
4,200.00	16.13	261.23	4,095.17	-118.58	-768.64	768.93	0.00	0.00	0.00
4,300.00	16.13	261.23	4,191.23	-122.82	-796.10	796.39	0.00	0.00	0.00
4,400.00	16.13	261.23	4,287.29	-127.05	-823.55	823.86	0.00	0.00	0.00
4,500.00	16.13	261.23	4,383.36	-131.29	-851.01	851.33	0.00	0.00	0.00
4,600.00	16.13	261.23	4,479.42	-135.52	-878.47	878.80	0.00	0.00	0.00
4,700.00	16.13	261.23	4,575.48	-139.76	-905.92	906.26	0.00	0.00	0.00
4,800.00	16.13	261.23	4,671.55	-143.99	-933.38	933.73	0.00	0.00	0.00

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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 3432-01H	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)	
4,900.00	16.13	261.23	4,767.61	-148.23	-960.84	961.20	0.00	0.00	0.00	
5,000.00	16.13	261.23	4,863.67	-152.47	-988.30	988.66	0.00	0.00	0.00	
5,100.00	16.13	261.23	4,959.74	-156.70	-1,015.75	1,016.13	0.00	0.00	0.00	
5,200.00	16.13	261.23	5,055.80	-160.94	-1,043.21	1,043.60	0.00	0.00	0.00	
5,267.88	16.13	261.23	5,121.01	-163.81	-1,061.85	1,062.24	0.00	0.00	0.00	
KOP @ 5267.88ft :: DLS = 8°/100'										
5,300.00	18.67	262.48	5,151.66	-165.17	-1,071.36	1,071.76	8.00	7.92	3.90	
5,350.00	22.64	263.89	5,198.43	-167.24	-1,088.87	1,089.27	8.00	7.94	2.81	
5,400.00	26.62	264.89	5,243.87	-169.26	-1,109.60	1,110.01	8.00	7.96	2.01	
5,450.00	30.60	265.65	5,287.76	-171.22	-1,133.46	1,133.87	8.00	7.97	1.52	
5,500.00	34.59	266.25	5,329.87	-173.12	-1,160.32	1,160.74	8.00	7.97	1.20	
5,550.00	38.58	266.74	5,370.02	-174.93	-1,190.06	1,190.49	8.00	7.98	0.98	
5,600.00	42.57	267.15	5,407.99	-176.66	-1,222.53	1,222.96	8.00	7.98	0.82	
5,650.00	46.56	267.50	5,443.60	-178.29	-1,257.57	1,258.01	8.00	7.98	0.71	
5,700.00	50.56	267.81	5,476.68	-179.82	-1,295.02	1,295.45	8.00	7.99	0.62	
5,750.00	54.55	268.09	5,507.08	-181.24	-1,334.68	1,335.12	8.00	7.99	0.55	
5,800.00	58.55	268.34	5,534.64	-182.53	-1,376.37	1,376.81	8.00	7.99	0.50	
5,850.00	62.54	268.57	5,559.22	-183.71	-1,419.88	1,420.33	8.00	7.99	0.46	
5,900.00	66.54	268.78	5,580.71	-184.75	-1,465.00	1,465.45	8.00	7.99	0.43	
5,950.00	70.53	268.98	5,599.01	-185.66	-1,511.52	1,511.97	8.00	7.99	0.40	
6,000.00	74.53	269.17	5,614.01	-186.43	-1,559.19	1,559.64	8.00	7.99	0.38	
6,050.00	78.52	269.35	5,625.66	-187.05	-1,607.80	1,608.26	8.00	7.99	0.37	
6,100.00	82.52	269.53	5,633.90	-187.53	-1,657.11	1,657.56	8.00	7.99	0.36	
6,150.00	86.52	269.71	5,638.67	-187.86	-1,706.87	1,707.32	8.00	7.99	0.35	
6,193.60	90.00	269.86	5,640.00	-188.03	-1,750.44	1,750.89	8.00	7.99	0.35	
End Build @ 6193.60ft										
6,200.00	90.00	269.86	5,640.00	-188.04	-1,756.84	1,757.30	0.00	0.00	0.00	
6,300.00	90.00	269.86	5,640.00	-188.29	-1,856.84	1,857.30	0.00	0.00	0.00	
6,400.00	90.00	269.86	5,640.00	-188.53	-1,956.84	1,957.30	0.00	0.00	0.00	
6,500.00	90.00	269.86	5,640.00	-188.78	-2,056.84	2,057.30	0.00	0.00	0.00	
6,600.00	90.00	269.86	5,640.00	-189.03	-2,156.84	2,157.30	0.00	0.00	0.00	
6,700.00	90.00	269.86	5,640.00	-189.27	-2,256.84	2,257.30	0.00	0.00	0.00	
6,800.00	90.00	269.86	5,640.00	-189.52	-2,356.84	2,357.30	0.00	0.00	0.00	
6,900.00	90.00	269.86	5,640.00	-189.76	-2,456.84	2,457.30	0.00	0.00	0.00	
7,000.00	90.00	269.86	5,640.00	-190.01	-2,556.84	2,557.30	0.00	0.00	0.00	
7,100.00	90.00	269.86	5,640.00	-190.25	-2,656.84	2,657.30	0.00	0.00	0.00	
7,200.00	90.00	269.86	5,640.00	-190.50	-2,756.84	2,757.30	0.00	0.00	0.00	
7,300.00	90.00	269.86	5,640.00	-190.75	-2,856.84	2,857.30	0.00	0.00	0.00	
7,400.00	90.00	269.86	5,640.00	-190.99	-2,956.84	2,957.30	0.00	0.00	0.00	
7,500.00	90.00	269.86	5,640.00	-191.24	-3,056.84	3,057.30	0.00	0.00	0.00	
7,600.00	90.00	269.86	5,640.00	-191.48	-3,156.84	3,157.30	0.00	0.00	0.00	
7,700.00	90.00	269.86	5,640.00	-191.73	-3,256.84	3,257.30	0.00	0.00	0.00	
7,800.00	90.00	269.86	5,640.00	-191.98	-3,356.84	3,357.30	0.00	0.00	0.00	
7,900.00	90.00	269.86	5,640.00	-192.22	-3,456.84	3,457.30	0.00	0.00	0.00	
8,000.00	90.00	269.86	5,640.00	-192.47	-3,556.84	3,557.30	0.00	0.00	0.00	
8,100.00	90.00	269.86	5,640.00	-192.71	-3,656.84	3,657.30	0.00	0.00	0.00	
8,200.00	90.00	269.86	5,640.00	-192.96	-3,756.84	3,757.30	0.00	0.00	0.00	
8,300.00	90.00	269.86	5,640.00	-193.20	-3,856.84	3,857.30	0.00	0.00	0.00	
8,400.00	90.00	269.86	5,640.00	-193.45	-3,956.83	3,957.30	0.00	0.00	0.00	
8,500.00	90.00	269.86	5,640.00	-193.70	-4,056.83	4,057.30	0.00	0.00	0.00	
8,600.00	90.00	269.86	5,640.00	-193.94	-4,156.83	4,157.30	0.00	0.00	0.00	
8,700.00	90.00	269.86	5,640.00	-194.19	-4,256.83	4,257.30	0.00	0.00	0.00	
8,800.00	90.00	269.86	5,640.00	-194.43	-4,356.83	4,357.30	0.00	0.00	0.00	
8,900.00	90.00	269.86	5,640.00	-194.68	-4,456.83	4,457.30	0.00	0.00	0.00	

Planning Report

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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 3432-01H	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)	
9,000.00	90.00	269.86	5,640.00	-194.93	-4,556.83	4,557.30	0.00	0.00	0.00	
9,100.00	90.00	269.86	5,640.00	-195.17	-4,656.83	4,657.30	0.00	0.00	0.00	
9,200.00	90.00	269.86	5,640.00	-195.42	-4,756.83	4,757.30	0.00	0.00	0.00	
9,300.00	90.00	269.86	5,640.00	-195.66	-4,856.83	4,857.30	0.00	0.00	0.00	
9,400.00	90.00	269.86	5,640.00	-195.91	-4,956.83	4,957.30	0.00	0.00	0.00	
9,500.00	90.00	269.86	5,640.00	-196.16	-5,056.83	5,057.30	0.00	0.00	0.00	
9,600.00	90.00	269.86	5,640.00	-196.40	-5,156.83	5,157.30	0.00	0.00	0.00	
9,700.00	90.00	269.86	5,640.00	-196.65	-5,256.83	5,257.30	0.00	0.00	0.00	
9,800.00	90.00	269.86	5,640.00	-196.89	-5,356.83	5,357.30	0.00	0.00	0.00	
9,900.00	90.00	269.86	5,640.00	-197.14	-5,456.83	5,457.30	0.00	0.00	0.00	
10,000.00	90.00	269.86	5,640.00	-197.38	-5,556.83	5,557.30	0.00	0.00	0.00	
10,100.00	90.00	269.86	5,640.00	-197.63	-5,656.83	5,657.30	0.00	0.00	0.00	
10,200.00	90.00	269.86	5,640.00	-197.88	-5,756.83	5,757.30	0.00	0.00	0.00	
10,300.00	90.00	269.86	5,640.00	-198.12	-5,856.83	5,857.30	0.00	0.00	0.00	
10,400.00	90.00	269.86	5,640.00	-198.37	-5,956.83	5,957.30	0.00	0.00	0.00	
10,500.00	90.00	269.86	5,640.00	-198.61	-6,056.83	6,057.30	0.00	0.00	0.00	
10,600.00	90.00	269.86	5,640.00	-198.86	-6,156.83	6,157.30	0.00	0.00	0.00	
10,700.00	90.00	269.86	5,640.00	-199.11	-6,256.83	6,257.30	0.00	0.00	0.00	
10,800.00	90.00	269.86	5,640.00	-199.35	-6,356.83	6,357.30	0.00	0.00	0.00	
10,900.00	90.00	269.86	5,640.00	-199.60	-6,456.83	6,457.30	0.00	0.00	0.00	
11,000.00	90.00	269.86	5,640.00	-199.84	-6,556.83	6,557.30	0.00	0.00	0.00	
11,100.00	90.00	269.86	5,640.00	-200.09	-6,656.83	6,657.30	0.00	0.00	0.00	
11,200.00	90.00	269.86	5,640.00	-200.34	-6,756.83	6,757.30	0.00	0.00	0.00	
11,300.00	90.00	269.86	5,640.00	-200.58	-6,856.83	6,857.30	0.00	0.00	0.00	
11,400.00	90.00	269.86	5,640.00	-200.83	-6,956.83	6,957.30	0.00	0.00	0.00	
11,500.00	90.00	269.86	5,640.00	-201.07	-7,056.83	7,057.30	0.00	0.00	0.00	
11,600.00	90.00	269.86	5,640.00	-201.32	-7,156.83	7,157.30	0.00	0.00	0.00	
11,700.00	90.00	269.86	5,640.00	-201.56	-7,256.82	7,257.30	0.00	0.00	0.00	
11,800.00	90.00	269.86	5,640.00	-201.81	-7,356.82	7,357.30	0.00	0.00	0.00	
11,900.00	90.00	269.86	5,640.00	-202.06	-7,456.82	7,457.30	0.00	0.00	0.00	
12,000.00	90.00	269.86	5,640.00	-202.30	-7,556.82	7,557.30	0.00	0.00	0.00	
12,100.00	90.00	269.86	5,640.00	-202.55	-7,656.82	7,657.30	0.00	0.00	0.00	
12,200.00	90.00	269.86	5,640.00	-202.79	-7,756.82	7,757.30	0.00	0.00	0.00	
12,300.00	90.00	269.86	5,640.00	-203.04	-7,856.82	7,857.30	0.00	0.00	0.00	
12,400.00	90.00	269.86	5,640.00	-203.29	-7,956.82	7,957.30	0.00	0.00	0.00	
12,500.00	90.00	269.86	5,640.00	-203.53	-8,056.82	8,057.30	0.00	0.00	0.00	
12,600.00	90.00	269.86	5,640.00	-203.78	-8,156.82	8,157.30	0.00	0.00	0.00	
12,700.00	90.00	269.86	5,640.00	-204.02	-8,256.82	8,257.30	0.00	0.00	0.00	
12,800.00	90.00	269.86	5,640.00	-204.27	-8,356.82	8,357.30	0.00	0.00	0.00	
12,900.00	90.00	269.86	5,640.00	-204.51	-8,456.82	8,457.30	0.00	0.00	0.00	
13,000.00	90.00	269.86	5,640.00	-204.76	-8,556.82	8,557.30	0.00	0.00	0.00	
13,100.00	90.00	269.86	5,640.00	-205.01	-8,656.82	8,657.30	0.00	0.00	0.00	
13,200.00	90.00	269.86	5,640.00	-205.25	-8,756.82	8,757.30	0.00	0.00	0.00	
13,300.00	90.00	269.86	5,640.00	-205.50	-8,856.82	8,857.30	0.00	0.00	0.00	
13,400.00	90.00	269.86	5,640.00	-205.74	-8,956.82	8,957.30	0.00	0.00	0.00	
13,500.00	90.00	269.86	5,640.00	-205.99	-9,056.82	9,057.30	0.00	0.00	0.00	
13,600.00	90.00	269.86	5,640.00	-206.24	-9,156.82	9,157.30	0.00	0.00	0.00	
13,700.00	90.00	269.86	5,640.00	-206.48	-9,256.82	9,257.30	0.00	0.00	0.00	
13,800.00	90.00	269.86	5,640.00	-206.73	-9,356.82	9,357.30	0.00	0.00	0.00	
13,900.00	90.00	269.86	5,640.00	-206.97	-9,456.82	9,457.30	0.00	0.00	0.00	
14,000.00	90.00	269.86	5,640.00	-207.22	-9,556.82	9,557.30	0.00	0.00	0.00	
14,100.00	90.00	269.86	5,640.00	-207.47	-9,656.82	9,657.30	0.00	0.00	0.00	
14,200.00	90.00	269.86	5,640.00	-207.71	-9,756.82	9,757.30	0.00	0.00	0.00	
14,300.00	90.00	269.86	5,640.00	-207.96	-9,856.82	9,857.30	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-01H
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 3432-01H	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)
14,400.00	90.00	269.86	5,640.00	-208.20	-9,956.82	9,957.30	0.00	0.00	0.00
14,500.00	90.00	269.86	5,640.00	-208.45	-10,056.82	10,057.30	0.00	0.00	0.00
14,600.00	90.00	269.86	5,640.00	-208.69	-10,156.82	10,157.30	0.00	0.00	0.00
14,700.00	90.00	269.86	5,640.00	-208.94	-10,256.82	10,257.30	0.00	0.00	0.00
14,800.00	90.00	269.86	5,640.00	-209.19	-10,356.82	10,357.30	0.00	0.00	0.00
14,900.00	90.00	269.86	5,640.00	-209.43	-10,456.82	10,457.30	0.00	0.00	0.00
15,000.00	90.00	269.86	5,640.00	-209.68	-10,556.82	10,557.30	0.00	0.00	0.00
15,100.00	90.00	269.86	5,640.00	-209.92	-10,656.81	10,657.30	0.00	0.00	0.00
15,200.00	90.00	269.86	5,640.00	-210.17	-10,756.81	10,757.30	0.00	0.00	0.00
15,300.00	90.00	269.86	5,640.00	-210.42	-10,856.81	10,857.30	0.00	0.00	0.00
15,400.00	90.00	269.86	5,640.00	-210.66	-10,956.81	10,957.30	0.00	0.00	0.00
15,500.00	90.00	269.86	5,640.00	-210.91	-11,056.81	11,057.30	0.00	0.00	0.00
15,600.00	90.00	269.86	5,640.00	-211.15	-11,156.81	11,157.30	0.00	0.00	0.00
15,700.00	90.00	269.86	5,640.00	-211.40	-11,256.81	11,257.30	0.00	0.00	0.00
15,800.00	90.00	269.86	5,640.00	-211.64	-11,356.81	11,357.30	0.00	0.00	0.00
15,900.00	90.00	269.86	5,640.00	-211.89	-11,456.81	11,457.30	0.00	0.00	0.00
16,000.00	90.00	269.86	5,640.00	-212.14	-11,556.81	11,557.30	0.00	0.00	0.00
16,100.00	90.00	269.86	5,640.00	-212.38	-11,656.81	11,657.30	0.00	0.00	0.00
16,200.00	90.00	269.86	5,640.00	-212.63	-11,756.81	11,757.30	0.00	0.00	0.00
16,300.00	90.00	269.86	5,640.00	-212.87	-11,856.81	11,857.30	0.00	0.00	0.00
16,400.00	90.00	269.86	5,640.00	-213.12	-11,956.81	11,957.30	0.00	0.00	0.00
16,500.00	90.00	269.86	5,640.00	-213.37	-12,056.81	12,057.30	0.00	0.00	0.00
16,600.00	90.00	269.86	5,640.00	-213.61	-12,156.81	12,157.30	0.00	0.00	0.00
16,700.00	90.00	269.86	5,640.00	-213.86	-12,256.81	12,257.30	0.00	0.00	0.00
16,800.00	90.00	269.86	5,640.00	-214.10	-12,356.81	12,357.30	0.00	0.00	0.00
16,900.00	90.00	269.86	5,640.00	-214.35	-12,456.81	12,457.30	0.00	0.00	0.00
17,000.00	90.00	269.86	5,640.00	-214.60	-12,556.81	12,557.30	0.00	0.00	0.00
17,100.00	90.00	269.86	5,640.00	-214.84	-12,656.81	12,657.30	0.00	0.00	0.00
17,200.00	90.00	269.86	5,640.00	-215.09	-12,756.81	12,757.30	0.00	0.00	0.00
17,300.00	90.00	269.86	5,640.00	-215.33	-12,856.81	12,857.30	0.00	0.00	0.00
17,400.00	90.00	269.86	5,640.00	-215.58	-12,956.81	12,957.30	0.00	0.00	0.00
17,500.00	90.00	269.86	5,640.00	-215.82	-13,056.81	13,057.30	0.00	0.00	0.00
17,600.00	90.00	269.86	5,640.00	-216.07	-13,156.81	13,157.30	0.00	0.00	0.00
17,700.00	90.00	269.86	5,640.00	-216.32	-13,256.81	13,257.30	0.00	0.00	0.00
17,800.00	90.00	269.86	5,640.00	-216.56	-13,356.81	13,357.30	0.00	0.00	0.00
17,900.00	90.00	269.86	5,640.00	-216.81	-13,456.81	13,457.30	0.00	0.00	0.00
18,000.00	90.00	269.86	5,640.00	-217.05	-13,556.81	13,557.30	0.00	0.00	0.00
18,100.00	90.00	269.86	5,640.00	-217.30	-13,656.81	13,657.30	0.00	0.00	0.00
18,200.00	90.00	269.86	5,640.00	-217.55	-13,756.81	13,757.30	0.00	0.00	0.00
18,300.00	90.00	269.86	5,640.00	-217.79	-13,856.81	13,857.30	0.00	0.00	0.00
18,400.00	90.00	269.86	5,640.00	-218.04	-13,956.80	13,957.30	0.00	0.00	0.00
18,500.00	90.00	269.86	5,640.00	-218.28	-14,056.80	14,057.30	0.00	0.00	0.00
18,600.00	90.00	269.86	5,640.00	-218.53	-14,156.80	14,157.30	0.00	0.00	0.00
18,700.00	90.00	269.86	5,640.00	-218.78	-14,256.80	14,257.30	0.00	0.00	0.00
18,800.00	90.00	269.86	5,640.00	-219.02	-14,356.80	14,357.30	0.00	0.00	0.00
18,900.00	90.00	269.86	5,640.00	-219.27	-14,456.80	14,457.30	0.00	0.00	0.00
18,987.07	90.00	269.86	5,640.00	-219.48	-14,543.87	14,544.37	0.00	0.00	0.00
BPZ @ 18987.07ft									
19,000.00	90.00	269.86	5,640.00	-219.51	-14,556.80	14,557.30	0.00	0.00	0.00
19,076.88	90.00	269.86	5,640.00	-219.70	-14,633.69	14,634.18	0.00	0.00	0.00
TD Well @ 19076.88ft									

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-01H
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 3432-01H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan C		
Design:	Permit Rev-1		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
1,476.19	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)		
1,000.00	1,000.00	0.00	0.00	Begin Nudge @ 1000.00ft	
1,806.50	1,795.89	-17.19	-111.46	Hold Tangent @ 1806.50ft	
5,267.88	5,121.01	-163.81	-1,061.85	KOP @ 5267.88ft :: DLS = 8°/100'	
6,193.60	5,640.00	-188.03	-1,750.44	End Build @ 6193.60ft	
18,987.07	5,640.00	-219.48	-14,543.87	BPZ @ 18987.07ft	
19,076.88	5,640.00	-219.70	-14,633.69	TD Well @ 19076.88ft	