

# **VERDAD RESOURCES**

**WATTENBERG FIELD**

**9N-58W-34 SPEED GOAT FED PAD**

**SPEED GOAT FED 3432-07H**

**Plan C**

**Plan: Permit Rev-1**

## **Standard Planning Report**

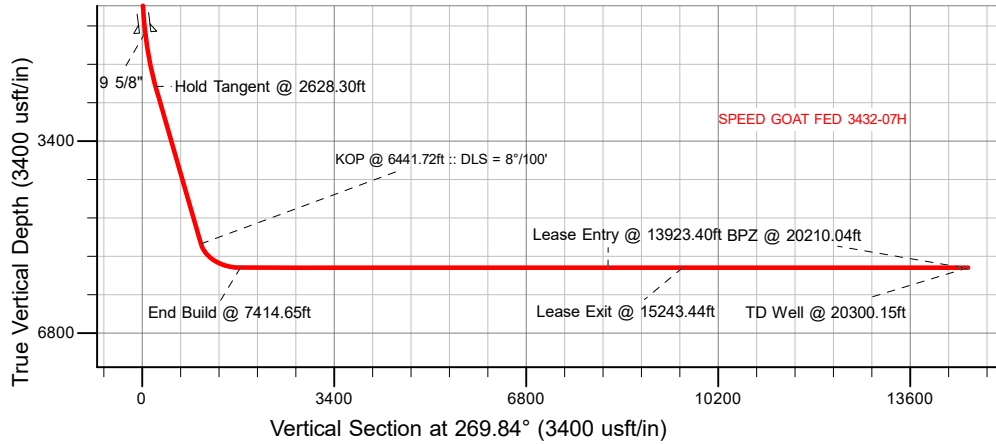
**25 January, 2024**

Project: WATTENBERG FIELD  
Site: 9N-58W-34 SPEED GOAT FED PAD  
Well: SPEED GOAT FED 3432-07H  
Wellbore: Plan C  
Design: Permit Rev-1

# VERDAD RESOURCES

## CASING DETAILS

TVD	MD	Name	Size
1474.00	1495.42	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	0.00	
2	475.30	0.00	0.00	475.30	0.00	0.00	0.00	0.00	0.00	
3	2628.30	43.06	197.82	2431.27	-734.64	-236.15	2.00	197.82	238.20	
4	6441.72	43.06	197.82	5217.51	-3213.39	-1032.94	0.00	0.00	1041.91	
5	7414.65	90.00	269.84	5640.00	-3590.86	-1732.01	8.00	76.66	1742.03	
6	20300.15	90.00	269.84	5640.00	-3626.53	-14617.47	0.00	0.00	14627.54	SPEED GOAT FED 3432-07H_BHL

## WELLBORE TARGET DETAILS (LAT/LONG)

Name	MD	TVD	Northing	Easting	Latitude	Longitude
SPEED GOAT FED 3432-07H_SHL	0.00	0.00	1507271.57	3459107.82	40.714082	-103.843790
SPEED GOAT FED 3432-07H_KOP	6441.72	5217.51	1504039.44	3458135.07	40.705262	-103.847516
SPEED GOAT FED 3432-07H_LP	7414.65	5640.00	1503648.98	3457443.17	40.704226	-103.850037
SPEED GOAT FED 3432-07H_Lease Entry	13923.40	5640.00	1503509.93	3450935.90	40.704174	-103.873512
SPEED GOAT FED 3432-07H_Lease Exit	15243.44	5640.00	1503481.38	3449616.16	40.704162	-103.878273
SPEED GOAT FED 3432-07H_BPZ	20210.04	5640.00	1503375.39	3444650.70	40.704119	-103.896186
SPEED GOAT FED 3432-07H_BHL	20300.15	5640.00	1503372.67	3444560.62	40.704116	-103.896511

SHL  
327' FNL  
961' FEL

KOP  
1778' FSL  
2021' FEL

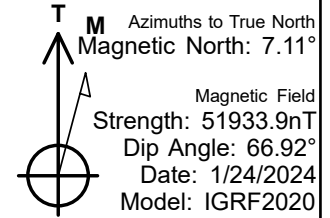
LP  
1407' FSL  
2549' FWL

LEASE ENTRY  
1445' FSL  
1320' FWL

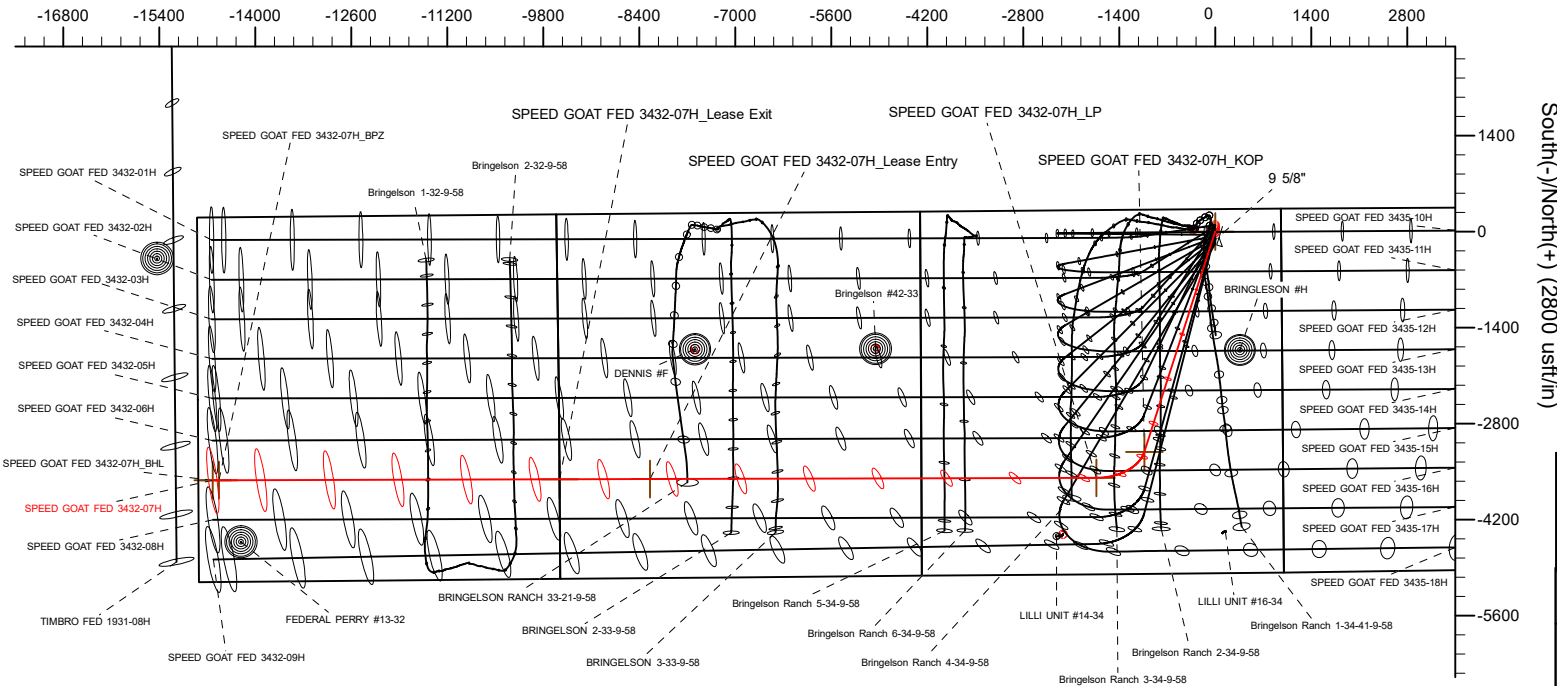
LEASE EXIT  
1453' FSL  
0' FEL

BPZ  
1485' FSL  
300' FWL

BHL  
1485' FSL  
210' FWL



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



South(-)/North(+) (2800 usft/in)

## WELL DETAILS: SPEED GOAT FED 3432-07H

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

Plan: Permit Rev-1 (SPEED GOAT FED 3432-07H/Plan C)

Date: 1/25/2024

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well SPEED GOAT FED 3432-07H
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 3432-07H	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 3432-07H					
Well Position	+N/-S	0.00 usft	Northing:	1,507,271.57 usft	Latitude:	40.714082
	+E/-W	0.00 usft	Easting:	3,459,107.81 usft	Longitude:	-103.843790
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	51,933.85492897

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	269.84

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	20,300.15	Permit Rev-1 (Plan C)	ISCWSA MWD	Fixed:v2:standard declination

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 3432-07H	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	
475.30	0.00	0.00	475.30	0.00	0.00	0.00	0.00	0.00	0.00	
2,628.30	43.06	197.82	2,431.27	-734.64	-236.15	2.00	2.00	0.00	197.82	
6,441.72	43.06	197.82	5,217.51	-3,213.39	-1,032.94	0.00	0.00	0.00	0.00	
7,414.65	90.00	269.84	5,640.00	-3,590.86	-1,732.01	8.00	4.82	7.40	76.66	
20,300.15	90.00	269.84	5,640.00	-3,626.53	-14,617.47	0.00	0.00	0.00	0.00	SPEED GOAT FED 3

## Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SPEED GOAT FED 3432-07H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Site:</b>	9N-58W-34 SPEED GOAT FED PAD	<b>North Reference:</b>	True
<b>Well:</b>	SPEED GOAT FED 3432-07H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan C		
<b>Design:</b>	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
475.30	0.00	0.00	475.30	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 475.30ft									
500.00	0.49	197.82	500.00	-0.10	-0.03	0.03	2.00	2.00	0.00
600.00	2.49	197.82	599.96	-2.58	-0.83	0.84	2.00	2.00	0.00
700.00	4.49	197.82	699.77	-8.39	-2.70	2.72	2.00	2.00	0.00
800.00	6.49	197.82	799.31	-17.50	-5.63	5.67	2.00	2.00	0.00
900.00	8.49	197.82	898.45	-29.92	-9.62	9.70	2.00	2.00	0.00
1,000.00	10.49	197.82	997.07	-45.62	-14.66	14.79	2.00	2.00	0.00
1,100.00	12.49	197.82	1,095.06	-64.59	-20.76	20.94	2.00	2.00	0.00
1,200.00	14.49	197.82	1,192.30	-86.80	-27.90	28.14	2.00	2.00	0.00
1,300.00	16.49	197.82	1,288.66	-112.23	-36.08	36.39	2.00	2.00	0.00
1,400.00	18.49	197.82	1,384.03	-140.85	-45.28	45.67	2.00	2.00	0.00
1,495.42	20.40	197.82	1,474.00	-171.09	-55.00	55.48	2.00	2.00	0.00
9 5/8"									
1,500.00	20.49	197.82	1,478.29	-172.62	-55.49	55.97	2.00	2.00	0.00
1,600.00	22.49	197.82	1,571.33	-207.50	-66.70	67.28	2.00	2.00	0.00
1,700.00	24.49	197.82	1,663.04	-245.45	-78.90	79.58	2.00	2.00	0.00
1,800.00	26.49	197.82	1,753.29	-286.42	-92.07	92.87	2.00	2.00	0.00
1,900.00	28.49	197.82	1,842.00	-330.37	-106.20	107.12	2.00	2.00	0.00
2,000.00	30.49	197.82	1,929.03	-377.24	-121.26	122.32	2.00	2.00	0.00
2,100.00	32.49	197.82	2,014.30	-426.97	-137.25	138.44	2.00	2.00	0.00
2,200.00	34.49	197.82	2,097.69	-479.51	-154.14	155.48	2.00	2.00	0.00
2,300.00	36.49	197.82	2,179.10	-534.78	-171.90	173.40	2.00	2.00	0.00
2,400.00	38.49	197.82	2,258.44	-592.72	-190.53	192.19	2.00	2.00	0.00
2,500.00	40.49	197.82	2,335.60	-653.27	-209.99	211.82	2.00	2.00	0.00
2,600.00	42.49	197.82	2,410.50	-716.34	-230.27	232.27	2.00	2.00	0.00
2,628.30	43.06	197.82	2,431.27	-734.64	-236.15	238.20	2.00	2.00	0.00
Hold Tangent @ 2628.30ft									
2,700.00	43.06	197.82	2,483.66	-781.25	-251.13	253.31	0.00	0.00	0.00
2,800.00	43.06	197.82	2,556.73	-846.25	-272.03	274.39	0.00	0.00	0.00
2,900.00	43.06	197.82	2,629.79	-911.25	-292.92	295.46	0.00	0.00	0.00
3,000.00	43.06	197.82	2,702.85	-976.25	-313.81	316.54	0.00	0.00	0.00
3,100.00	43.06	197.82	2,775.92	-1,041.25	-334.71	337.62	0.00	0.00	0.00
3,200.00	43.06	197.82	2,848.98	-1,106.25	-355.60	358.69	0.00	0.00	0.00
3,300.00	43.06	197.82	2,922.04	-1,171.25	-376.50	379.77	0.00	0.00	0.00
3,400.00	43.06	197.82	2,995.11	-1,236.25	-397.39	400.84	0.00	0.00	0.00
3,500.00	43.06	197.82	3,068.17	-1,301.25	-418.29	421.92	0.00	0.00	0.00
3,600.00	43.06	197.82	3,141.24	-1,366.25	-439.18	442.99	0.00	0.00	0.00
3,700.00	43.06	197.82	3,214.30	-1,431.25	-460.08	464.07	0.00	0.00	0.00
3,800.00	43.06	197.82	3,287.36	-1,496.25	-480.97	485.15	0.00	0.00	0.00
3,900.00	43.06	197.82	3,360.43	-1,561.25	-501.86	506.22	0.00	0.00	0.00
4,000.00	43.06	197.82	3,433.49	-1,626.25	-522.76	527.30	0.00	0.00	0.00
4,100.00	43.06	197.82	3,506.56	-1,691.25	-543.65	548.37	0.00	0.00	0.00
4,200.00	43.06	197.82	3,579.62	-1,756.26	-564.55	569.45	0.00	0.00	0.00
4,300.00	43.06	197.82	3,652.68	-1,821.26	-585.44	590.53	0.00	0.00	0.00
4,400.00	43.06	197.82	3,725.75	-1,886.26	-606.34	611.60	0.00	0.00	0.00
4,500.00	43.06	197.82	3,798.81	-1,951.26	-627.23	632.68	0.00	0.00	0.00
4,600.00	43.06	197.82	3,871.88	-2,016.26	-648.13	653.75	0.00	0.00	0.00

## Planning Report

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<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Site:</b>	9N-58W-34 SPEED GOAT FED PAD	<b>North Reference:</b>	True
<b>Well:</b>	SPEED GOAT FED 3432-07H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan C		
<b>Design:</b>	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)
4,700.00	43.06	197.82	3,944.94	-2,081.26	-669.02	674.83	0.00	0.00	0.00
4,800.00	43.06	197.82	4,018.00	-2,146.26	-689.91	695.91	0.00	0.00	0.00
4,900.00	43.06	197.82	4,091.07	-2,211.26	-710.81	716.98	0.00	0.00	0.00
5,000.00	43.06	197.82	4,164.13	-2,276.26	-731.70	738.06	0.00	0.00	0.00
5,100.00	43.06	197.82	4,237.20	-2,341.26	-752.60	759.13	0.00	0.00	0.00
5,200.00	43.06	197.82	4,310.26	-2,406.26	-773.49	780.21	0.00	0.00	0.00
5,300.00	43.06	197.82	4,383.32	-2,471.26	-794.39	801.29	0.00	0.00	0.00
5,400.00	43.06	197.82	4,456.39	-2,536.26	-815.28	822.36	0.00	0.00	0.00
5,500.00	43.06	197.82	4,529.45	-2,601.26	-836.18	843.44	0.00	0.00	0.00
5,600.00	43.06	197.82	4,602.51	-2,666.26	-857.07	864.51	0.00	0.00	0.00
5,700.00	43.06	197.82	4,675.58	-2,731.27	-877.97	885.59	0.00	0.00	0.00
5,800.00	43.06	197.82	4,748.64	-2,796.27	-898.86	906.66	0.00	0.00	0.00
5,900.00	43.06	197.82	4,821.71	-2,861.27	-919.75	927.74	0.00	0.00	0.00
6,000.00	43.06	197.82	4,894.77	-2,926.27	-940.65	948.82	0.00	0.00	0.00
6,100.00	43.06	197.82	4,967.83	-2,991.27	-961.54	969.89	0.00	0.00	0.00
6,200.00	43.06	197.82	5,040.90	-3,056.27	-982.44	990.97	0.00	0.00	0.00
6,300.00	43.06	197.82	5,113.96	-3,121.27	-1,003.33	1,012.04	0.00	0.00	0.00
6,400.00	43.06	197.82	5,187.03	-3,186.27	-1,024.23	1,033.12	0.00	0.00	0.00
6,441.72	43.06	197.82	5,217.51	-3,213.39	-1,032.94	1,041.91	0.00	0.00	0.00
<b>KOP @ 6441.72ft :: DLS = 8°/100'</b>									
6,450.00	43.22	198.76	5,223.55	-3,218.76	-1,034.72	1,043.70	8.00	1.89	11.37
6,500.00	44.32	204.32	5,259.67	-3,250.90	-1,047.42	1,056.50	8.00	2.21	11.12
6,550.00	45.69	209.64	5,295.03	-3,282.38	-1,063.47	1,072.63	8.00	2.73	10.64
6,600.00	47.29	214.70	5,329.47	-3,313.04	-1,082.78	1,092.03	8.00	3.20	10.11
6,650.00	49.10	219.48	5,362.81	-3,342.74	-1,105.26	1,114.59	8.00	3.62	9.57
6,700.00	51.09	224.00	5,394.90	-3,371.33	-1,130.80	1,140.21	8.00	3.99	9.04
6,750.00	53.25	228.26	5,425.57	-3,398.67	-1,159.27	1,168.76	8.00	4.32	8.52
6,800.00	55.56	232.29	5,454.68	-3,424.63	-1,190.55	1,200.10	8.00	4.61	8.04
6,850.00	57.99	236.09	5,482.08	-3,449.08	-1,224.46	1,234.09	8.00	4.86	7.60
6,900.00	60.53	239.68	5,507.64	-3,471.90	-1,260.86	1,270.55	8.00	5.07	7.20
6,950.00	63.15	243.10	5,531.24	-3,492.99	-1,299.55	1,309.30	8.00	5.26	6.84
7,000.00	65.86	246.37	5,552.76	-3,512.23	-1,340.36	1,350.17	8.00	5.41	6.53
7,050.00	68.63	249.49	5,572.10	-3,529.54	-1,383.09	1,392.94	8.00	5.55	6.25
7,100.00	71.46	252.50	5,589.17	-3,544.83	-1,427.52	1,437.41	8.00	5.66	6.02
7,150.00	74.34	255.41	5,603.87	-3,558.02	-1,473.44	1,483.37	8.00	5.75	5.82
7,200.00	77.25	258.24	5,616.14	-3,569.06	-1,520.63	1,530.59	8.00	5.83	5.66
7,250.00	80.19	261.00	5,625.92	-3,577.89	-1,568.85	1,578.83	8.00	5.88	5.53
7,300.00	83.16	263.72	5,633.16	-3,584.46	-1,617.87	1,627.88	8.00	5.93	5.43
7,350.00	86.14	266.40	5,637.82	-3,588.74	-1,667.46	1,677.48	8.00	5.96	5.36
7,400.00	89.12	269.06	5,639.89	-3,590.72	-1,717.37	1,727.39	8.00	5.97	5.33
7,414.65	90.00	269.84	5,640.00	-3,590.86	-1,732.01	1,742.03	8.00	5.98	5.32
<b>End Build @ 7414.65ft</b>									
7,500.00	90.00	269.84	5,640.00	-3,591.09	-1,817.37	1,827.39	0.00	0.00	0.00
7,600.00	90.00	269.84	5,640.00	-3,591.37	-1,917.37	1,927.39	0.00	0.00	0.00
7,700.00	90.00	269.84	5,640.00	-3,591.65	-2,017.37	2,027.39	0.00	0.00	0.00
7,800.00	90.00	269.84	5,640.00	-3,591.92	-2,117.37	2,127.39	0.00	0.00	0.00
7,900.00	90.00	269.84	5,640.00	-3,592.20	-2,217.37	2,227.39	0.00	0.00	0.00
8,000.00	90.00	269.84	5,640.00	-3,592.48	-2,317.37	2,327.39	0.00	0.00	0.00
8,100.00	90.00	269.84	5,640.00	-3,592.75	-2,417.37	2,427.39	0.00	0.00	0.00
8,200.00	90.00	269.84	5,640.00	-3,593.03	-2,517.36	2,527.39	0.00	0.00	0.00
8,300.00	90.00	269.84	5,640.00	-3,593.31	-2,617.36	2,627.39	0.00	0.00	0.00
8,400.00	90.00	269.84	5,640.00	-3,593.58	-2,717.36	2,727.39	0.00	0.00	0.00
8,500.00	90.00	269.84	5,640.00	-3,593.86	-2,817.36	2,827.39	0.00	0.00	0.00
8,600.00	90.00	269.84	5,640.00	-3,594.14	-2,917.36	2,927.39	0.00	0.00	0.00

## Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SPEED GOAT FED 3432-07H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Site:</b>	9N-58W-34 SPEED GOAT FED PAD	<b>North Reference:</b>	True
<b>Well:</b>	SPEED GOAT FED 3432-07H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan C		
<b>Design:</b>	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)	
8,700.00	90.00	269.84	5,640.00	-3,594.41	-3,017.36	3,027.39	0.00	0.00	0.00	
8,800.00	90.00	269.84	5,640.00	-3,594.69	-3,117.36	3,127.39	0.00	0.00	0.00	
8,900.00	90.00	269.84	5,640.00	-3,594.97	-3,217.36	3,227.39	0.00	0.00	0.00	
9,000.00	90.00	269.84	5,640.00	-3,595.24	-3,317.36	3,327.39	0.00	0.00	0.00	
9,100.00	90.00	269.84	5,640.00	-3,595.52	-3,417.36	3,427.39	0.00	0.00	0.00	
9,200.00	90.00	269.84	5,640.00	-3,595.80	-3,517.36	3,527.39	0.00	0.00	0.00	
9,300.00	90.00	269.84	5,640.00	-3,596.07	-3,617.36	3,627.39	0.00	0.00	0.00	
9,400.00	90.00	269.84	5,640.00	-3,596.35	-3,717.36	3,727.39	0.00	0.00	0.00	
9,500.00	90.00	269.84	5,640.00	-3,596.63	-3,817.36	3,827.39	0.00	0.00	0.00	
9,600.00	90.00	269.84	5,640.00	-3,596.91	-3,917.36	3,927.39	0.00	0.00	0.00	
9,700.00	90.00	269.84	5,640.00	-3,597.18	-4,017.36	4,027.39	0.00	0.00	0.00	
9,800.00	90.00	269.84	5,640.00	-3,597.46	-4,117.36	4,127.39	0.00	0.00	0.00	
9,900.00	90.00	269.84	5,640.00	-3,597.74	-4,217.36	4,227.39	0.00	0.00	0.00	
10,000.00	90.00	269.84	5,640.00	-3,598.01	-4,317.36	4,327.39	0.00	0.00	0.00	
10,100.00	90.00	269.84	5,640.00	-3,598.29	-4,417.36	4,427.39	0.00	0.00	0.00	
10,200.00	90.00	269.84	5,640.00	-3,598.57	-4,517.36	4,527.39	0.00	0.00	0.00	
10,300.00	90.00	269.84	5,640.00	-3,598.84	-4,617.36	4,627.39	0.00	0.00	0.00	
10,400.00	90.00	269.84	5,640.00	-3,599.12	-4,717.36	4,727.39	0.00	0.00	0.00	
10,500.00	90.00	269.84	5,640.00	-3,599.40	-4,817.36	4,827.39	0.00	0.00	0.00	
10,600.00	90.00	269.84	5,640.00	-3,599.67	-4,917.36	4,927.39	0.00	0.00	0.00	
10,700.00	90.00	269.84	5,640.00	-3,599.95	-5,017.36	5,027.39	0.00	0.00	0.00	
10,800.00	90.00	269.84	5,640.00	-3,600.23	-5,117.35	5,127.39	0.00	0.00	0.00	
10,900.00	90.00	269.84	5,640.00	-3,600.50	-5,217.35	5,227.39	0.00	0.00	0.00	
11,000.00	90.00	269.84	5,640.00	-3,600.78	-5,317.35	5,327.39	0.00	0.00	0.00	
11,100.00	90.00	269.84	5,640.00	-3,601.06	-5,417.35	5,427.39	0.00	0.00	0.00	
11,200.00	90.00	269.84	5,640.00	-3,601.33	-5,517.35	5,527.39	0.00	0.00	0.00	
11,300.00	90.00	269.84	5,640.00	-3,601.61	-5,617.35	5,627.39	0.00	0.00	0.00	
11,400.00	90.00	269.84	5,640.00	-3,601.89	-5,717.35	5,727.39	0.00	0.00	0.00	
11,500.00	90.00	269.84	5,640.00	-3,602.17	-5,817.35	5,827.39	0.00	0.00	0.00	
11,600.00	90.00	269.84	5,640.00	-3,602.44	-5,917.35	5,927.39	0.00	0.00	0.00	
11,700.00	90.00	269.84	5,640.00	-3,602.72	-6,017.35	6,027.39	0.00	0.00	0.00	
11,800.00	90.00	269.84	5,640.00	-3,603.00	-6,117.35	6,127.39	0.00	0.00	0.00	
11,900.00	90.00	269.84	5,640.00	-3,603.27	-6,217.35	6,227.39	0.00	0.00	0.00	
12,000.00	90.00	269.84	5,640.00	-3,603.55	-6,317.35	6,327.39	0.00	0.00	0.00	
12,100.00	90.00	269.84	5,640.00	-3,603.83	-6,417.35	6,427.39	0.00	0.00	0.00	
12,200.00	90.00	269.84	5,640.00	-3,604.10	-6,517.35	6,527.39	0.00	0.00	0.00	
12,300.00	90.00	269.84	5,640.00	-3,604.38	-6,617.35	6,627.39	0.00	0.00	0.00	
12,400.00	90.00	269.84	5,640.00	-3,604.66	-6,717.35	6,727.39	0.00	0.00	0.00	
12,500.00	90.00	269.84	5,640.00	-3,604.93	-6,817.35	6,827.39	0.00	0.00	0.00	
12,600.00	90.00	269.84	5,640.00	-3,605.21	-6,917.35	6,927.39	0.00	0.00	0.00	
12,700.00	90.00	269.84	5,640.00	-3,605.49	-7,017.35	7,027.39	0.00	0.00	0.00	
12,800.00	90.00	269.84	5,640.00	-3,605.76	-7,117.35	7,127.39	0.00	0.00	0.00	
12,900.00	90.00	269.84	5,640.00	-3,606.04	-7,217.35	7,227.39	0.00	0.00	0.00	
13,000.00	90.00	269.84	5,640.00	-3,606.32	-7,317.35	7,327.39	0.00	0.00	0.00	
13,100.00	90.00	269.84	5,640.00	-3,606.59	-7,417.35	7,427.39	0.00	0.00	0.00	
13,200.00	90.00	269.84	5,640.00	-3,606.87	-7,517.35	7,527.39	0.00	0.00	0.00	
13,300.00	90.00	269.84	5,640.00	-3,607.15	-7,617.35	7,627.39	0.00	0.00	0.00	
13,400.00	90.00	269.84	5,640.00	-3,607.43	-7,717.34	7,727.39	0.00	0.00	0.00	
13,500.00	90.00	269.84	5,640.00	-3,607.70	-7,817.34	7,827.39	0.00	0.00	0.00	
13,600.00	90.00	269.84	5,640.00	-3,607.98	-7,917.34	7,927.39	0.00	0.00	0.00	
13,700.00	90.00	269.84	5,640.00	-3,608.26	-8,017.34	8,027.39	0.00	0.00	0.00	
13,800.00	90.00	269.84	5,640.00	-3,608.53	-8,117.34	8,127.39	0.00	0.00	0.00	
13,900.00	90.00	269.84	5,640.00	-3,608.81	-8,217.34	8,227.39	0.00	0.00	0.00	
13,923.40	90.00	269.84	5,640.00	-3,608.87	-8,240.74	8,250.79	0.00	0.00	0.00	

## Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SPEED GOAT FED 3432-07H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Site:</b>	9N-58W-34 SPEED GOAT FED PAD	<b>North Reference:</b>	True
<b>Well:</b>	SPEED GOAT FED 3432-07H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan C		
<b>Design:</b>	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)
<b>Lease Entry @ 13923.40ft</b>									
14,000.00	90.00	269.84	5,640.00	-3,609.09	-8,317.34	8,327.39	0.00	0.00	0.00
14,100.00	90.00	269.84	5,640.00	-3,609.36	-8,417.34	8,427.39	0.00	0.00	0.00
14,200.00	90.00	269.84	5,640.00	-3,609.64	-8,517.34	8,527.39	0.00	0.00	0.00
14,300.00	90.00	269.84	5,640.00	-3,609.92	-8,617.34	8,627.39	0.00	0.00	0.00
14,400.00	90.00	269.84	5,640.00	-3,610.19	-8,717.34	8,727.39	0.00	0.00	0.00
14,500.00	90.00	269.84	5,640.00	-3,610.47	-8,817.34	8,827.39	0.00	0.00	0.00
14,600.00	90.00	269.84	5,640.00	-3,610.75	-8,917.34	8,927.39	0.00	0.00	0.00
14,700.00	90.00	269.84	5,640.00	-3,611.02	-9,017.34	9,027.39	0.00	0.00	0.00
14,800.00	90.00	269.84	5,640.00	-3,611.30	-9,117.34	9,127.39	0.00	0.00	0.00
14,900.00	90.00	269.84	5,640.00	-3,611.58	-9,217.34	9,227.39	0.00	0.00	0.00
15,000.00	90.00	269.84	5,640.00	-3,611.86	-9,317.34	9,327.39	0.00	0.00	0.00
15,100.00	90.00	269.84	5,640.00	-3,612.13	-9,417.34	9,427.39	0.00	0.00	0.00
15,200.00	90.00	269.84	5,640.00	-3,612.41	-9,517.34	9,527.39	0.00	0.00	0.00
15,243.44	90.00	269.84	5,640.00	-3,612.53	-9,560.78	9,570.83	0.00	0.00	0.00
<b>Lease Exit @ 15243.44ft</b>									
15,300.00	90.00	269.84	5,640.00	-3,612.69	-9,617.34	9,627.39	0.00	0.00	0.00
15,400.00	90.00	269.84	5,640.00	-3,612.96	-9,717.34	9,727.39	0.00	0.00	0.00
15,500.00	90.00	269.84	5,640.00	-3,613.24	-9,817.34	9,827.39	0.00	0.00	0.00
15,600.00	90.00	269.84	5,640.00	-3,613.52	-9,917.34	9,927.39	0.00	0.00	0.00
15,700.00	90.00	269.84	5,640.00	-3,613.79	-10,017.34	10,027.39	0.00	0.00	0.00
15,800.00	90.00	269.84	5,640.00	-3,614.07	-10,117.34	10,127.39	0.00	0.00	0.00
15,900.00	90.00	269.84	5,640.00	-3,614.35	-10,217.34	10,227.39	0.00	0.00	0.00
16,000.00	90.00	269.84	5,640.00	-3,614.62	-10,317.33	10,327.39	0.00	0.00	0.00
16,100.00	90.00	269.84	5,640.00	-3,614.90	-10,417.33	10,427.39	0.00	0.00	0.00
16,200.00	90.00	269.84	5,640.00	-3,615.18	-10,517.33	10,527.39	0.00	0.00	0.00
16,300.00	90.00	269.84	5,640.00	-3,615.45	-10,617.33	10,627.39	0.00	0.00	0.00
16,400.00	90.00	269.84	5,640.00	-3,615.73	-10,717.33	10,727.39	0.00	0.00	0.00
16,500.00	90.00	269.84	5,640.00	-3,616.01	-10,817.33	10,827.39	0.00	0.00	0.00
16,600.00	90.00	269.84	5,640.00	-3,616.28	-10,917.33	10,927.39	0.00	0.00	0.00
16,700.00	90.00	269.84	5,640.00	-3,616.56	-11,017.33	11,027.39	0.00	0.00	0.00
16,800.00	90.00	269.84	5,640.00	-3,616.84	-11,117.33	11,127.39	0.00	0.00	0.00
16,900.00	90.00	269.84	5,640.00	-3,617.12	-11,217.33	11,227.39	0.00	0.00	0.00
17,000.00	90.00	269.84	5,640.00	-3,617.39	-11,317.33	11,327.39	0.00	0.00	0.00
17,100.00	90.00	269.84	5,640.00	-3,617.67	-11,417.33	11,427.39	0.00	0.00	0.00
17,200.00	90.00	269.84	5,640.00	-3,617.95	-11,517.33	11,527.39	0.00	0.00	0.00
17,300.00	90.00	269.84	5,640.00	-3,618.22	-11,617.33	11,627.39	0.00	0.00	0.00
17,400.00	90.00	269.84	5,640.00	-3,618.50	-11,717.33	11,727.39	0.00	0.00	0.00
17,500.00	90.00	269.84	5,640.00	-3,618.78	-11,817.33	11,827.39	0.00	0.00	0.00
17,600.00	90.00	269.84	5,640.00	-3,619.05	-11,917.33	11,927.39	0.00	0.00	0.00
17,700.00	90.00	269.84	5,640.00	-3,619.33	-12,017.33	12,027.39	0.00	0.00	0.00
17,800.00	90.00	269.84	5,640.00	-3,619.61	-12,117.33	12,127.39	0.00	0.00	0.00
17,900.00	90.00	269.84	5,640.00	-3,619.88	-12,217.33	12,227.39	0.00	0.00	0.00
18,000.00	90.00	269.84	5,640.00	-3,620.16	-12,317.33	12,327.39	0.00	0.00	0.00
18,100.00	90.00	269.84	5,640.00	-3,620.44	-12,417.33	12,427.39	0.00	0.00	0.00
18,200.00	90.00	269.84	5,640.00	-3,620.71	-12,517.33	12,527.39	0.00	0.00	0.00
18,300.00	90.00	269.84	5,640.00	-3,620.99	-12,617.33	12,627.39	0.00	0.00	0.00
18,400.00	90.00	269.84	5,640.00	-3,621.27	-12,717.33	12,727.39	0.00	0.00	0.00
18,500.00	90.00	269.84	5,640.00	-3,621.54	-12,817.33	12,827.39	0.00	0.00	0.00
18,600.00	90.00	269.84	5,640.00	-3,621.82	-12,917.33	12,927.39	0.00	0.00	0.00
18,700.00	90.00	269.84	5,640.00	-3,622.10	-13,017.32	13,027.39	0.00	0.00	0.00
18,800.00	90.00	269.84	5,640.00	-3,622.38	-13,117.32	13,127.39	0.00	0.00	0.00
18,900.00	90.00	269.84	5,640.00	-3,622.65	-13,217.32	13,227.39	0.00	0.00	0.00
19,000.00	90.00	269.84	5,640.00	-3,622.93	-13,317.32	13,327.39	0.00	0.00	0.00



## Planning Report

<b>Database:</b>	EDM 5000.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SPEED GOAT FED 3432-07H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 20' @ 4744.00usft (RIG)
<b>Site:</b>	9N-58W-34 SPEED GOAT FED PAD	<b>North Reference:</b>	True
<b>Well:</b>	SPEED GOAT FED 3432-07H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Plan C		
<b>Design:</b>	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)
19,100.00	90.00	269.84	5,640.00	-3,623.21	-13,417.32	13,427.39	0.00	0.00	0.00
19,200.00	90.00	269.84	5,640.00	-3,623.48	-13,517.32	13,527.39	0.00	0.00	0.00
19,300.00	90.00	269.84	5,640.00	-3,623.76	-13,617.32	13,627.39	0.00	0.00	0.00
19,400.00	90.00	269.84	5,640.00	-3,624.04	-13,717.32	13,727.39	0.00	0.00	0.00
19,500.00	90.00	269.84	5,640.00	-3,624.31	-13,817.32	13,827.39	0.00	0.00	0.00
19,600.00	90.00	269.84	5,640.00	-3,624.59	-13,917.32	13,927.39	0.00	0.00	0.00
19,700.00	90.00	269.84	5,640.00	-3,624.87	-14,017.32	14,027.39	0.00	0.00	0.00
19,800.00	90.00	269.84	5,640.00	-3,625.14	-14,117.32	14,127.39	0.00	0.00	0.00
19,900.00	90.00	269.84	5,640.00	-3,625.42	-14,217.32	14,227.39	0.00	0.00	0.00
20,000.00	90.00	269.84	5,640.00	-3,625.70	-14,317.32	14,327.39	0.00	0.00	0.00
20,100.00	90.00	269.84	5,640.00	-3,625.97	-14,417.32	14,427.39	0.00	0.00	0.00
20,200.00	90.00	269.84	5,640.00	-3,626.25	-14,517.32	14,527.39	0.00	0.00	0.00
20,210.04	90.00	269.84	5,640.00	-3,626.28	-14,527.36	14,537.43	0.00	0.00	0.00
<b>BPZ @ 20210.04ft</b>									
20,300.15	90.00	269.84	5,640.00	-3,626.53	-14,617.47	14,627.54	0.00	0.00	0.00
<b>TD Well @ 20300.15ft</b>									

### Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,495.42	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)	
475.30	475.30	0.00	0.00	Begin Nudge @ 475.30ft
2,628.30	2,431.27	-734.64	-236.15	Hold Tangent @ 2628.30ft
6,441.72	5,217.51	-3,213.39	-1,032.94	KOP @ 6441.72ft :: DLS = 8°/100'
7,414.65	5,640.00	-3,590.86	-1,732.01	End Build @ 7414.65ft
13,923.40	5,640.00	-3,608.87	-8,240.74	Lease Entry @ 13923.40ft
15,243.44	5,640.00	-3,612.53	-9,560.78	Lease Exit @ 15243.44ft
20,210.04	5,640.00	-3,626.28	-14,527.36	BPZ @ 20210.04ft
20,300.15	5,640.00	-3,626.53	-14,617.47	TD Well @ 20300.15ft