

VERDAD RESOURCES

**WATTENBERG FIELD
9N-60W-13 ROHN FED 1324 PAD
ROHN FED 1324-7H**

Wellbore #1

Plan: Design #3

Standard Planning Report

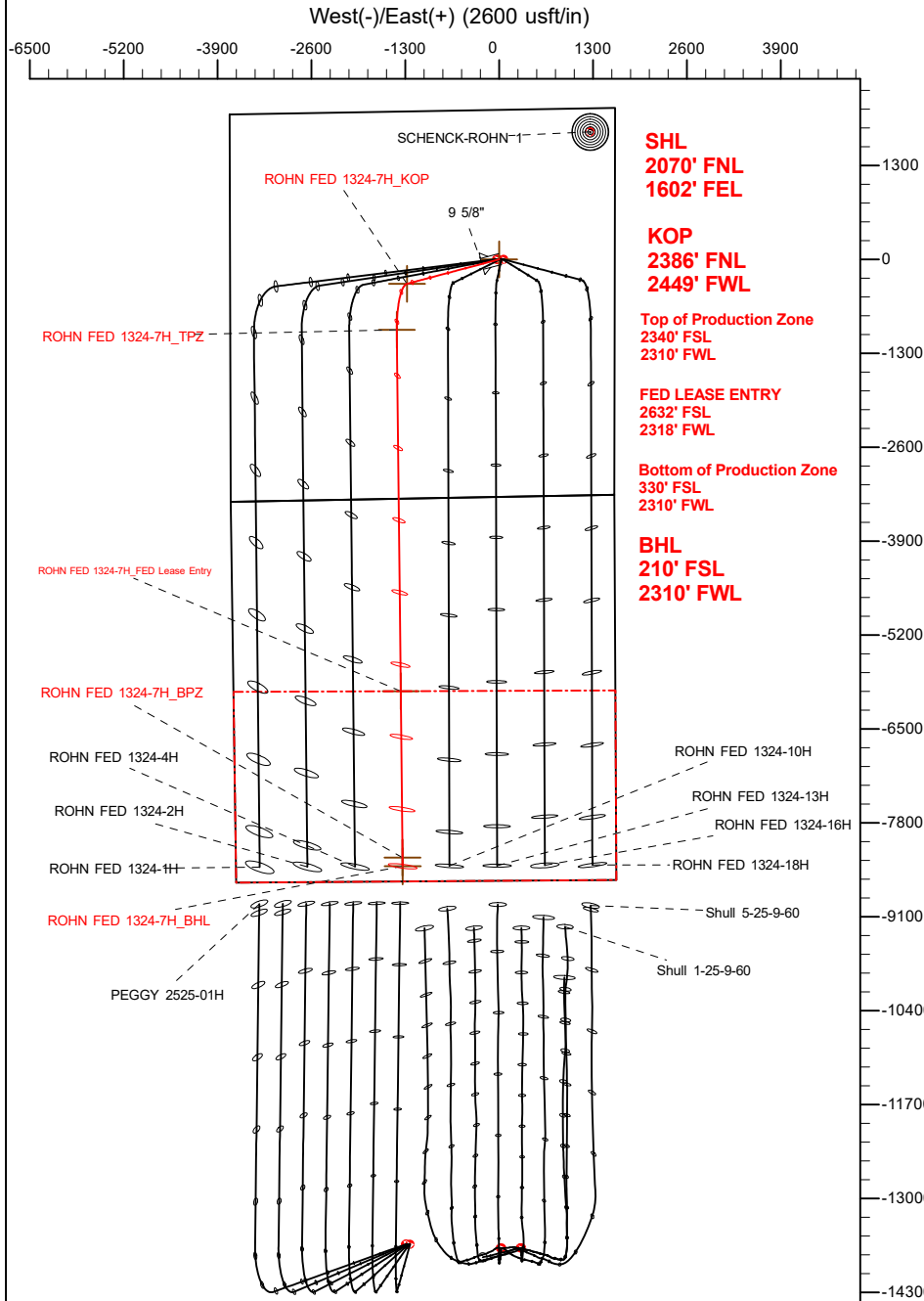
10 May, 2021

Project: WATTENBERG FIELD
 Site: 9N-60W-13 ROHN FED 1324 PAD
 Well: ROHN FED 1324-7H
 Wellbore: Wellbore #1
 Design: Design #3

VERDAD RESOURCES

CASING DETAILS

TVD	MD	Name	Size
1704.00	1726.55	9 5/8"	9-5/8

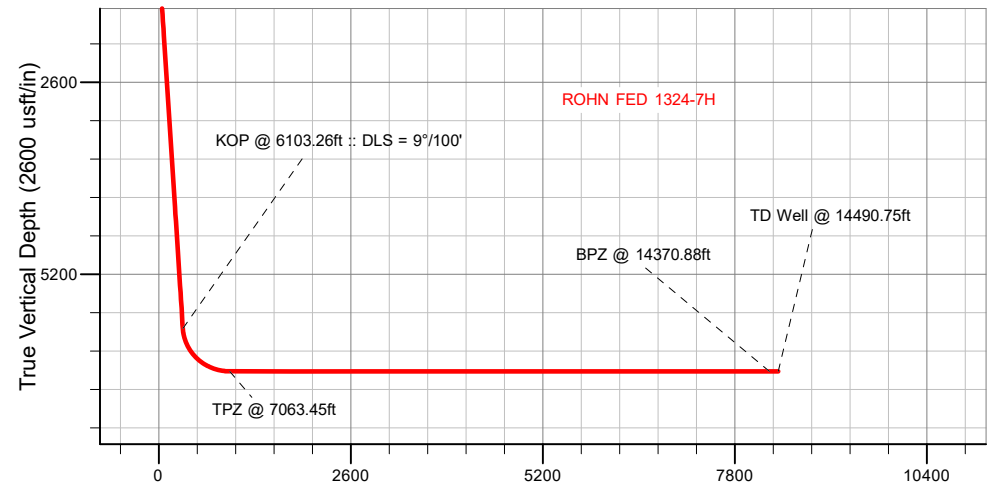


SECTION DETAILS

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	550.50	0.00	0.00	550.50	0.00	0.00	0.00	0.00	0.00	
3	1287.50	14.74	255.16	1279.40	-24.15	-91.13	2.00	255.16	23.16	
4	6103.26	14.74	255.16	5936.67	-337.97	-1275.55	0.00	0.00	324.15	
5	7063.45	90.00	179.38	6515.00	-974.91	-1416.15	9.00	-76.23	959.52	
6	14490.75	90.00	179.38	6515.00	-8401.77	-1335.62	0.00	0.00	8386.83	ROHN FED 1324-7H_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	MD	+N-S	+E-W	Latitude	Longitude
ROHN FED 1324-7H_SHL	0.00	0.00	0.00	0.00	40.752254	-104.036179
ROHN FED 1324-7H_KOP	5936.97	6103.26	-337.97	-1275.55	40.751326	-104.040783
ROHN FED 1324-7H_TPZ	6515.00	7063.45	-974.91	-1416.15	40.749578	-104.041290
ROHN FED 1324-7H_FED Lease Entry	6515.00	12067.77	-5978.93	-1361.82	40.735843	-104.041093
ROHN FED 1324-7H_BPZ	6515.00	14370.88	-8281.91	-1337.28	40.729522	-104.041004
ROHN FED 1324-7H_BHL	6515.00	14490.75	-8401.77	-1335.62	40.729193	-104.040998



Vertical Section at 179.38° (2600 usft/in)

Azimuths to True North
 Magnetic North: 7.50°

Magnetic Field
 Strength: 52220.7nT
 Dip Angle: 67.04°
 Date: 5/4/2021
 Model: IGRF202013

WELL DETAILS: ROHN FED 1324-7H

GL = 5043'
RKB = 16' @ 5059.00usft (RIG)
Plan: Design #3 (ROHN FED 1324-7H/Wellbore #1)
SherrylEnergy.com Date: 05/10/2021

VERDAD RESOURCES

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well ROHN FED 1324-7H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 16' @ 5059.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 16' @ 5059.00usft (RIG)
Site:	9N-60W-13 ROHN FED 1324 PAD	North Reference:	True
Well:	ROHN FED 1324-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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-60W-13 ROHN FED 1324 PAD				
Site Position:		Northing:	1,520,237.85 usft	Latitude:	40.752254
From:	Lat/Long	Easting:	3,405,504.51 usft	Longitude:	-104.036352
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	ROHN FED 1324-7H					
Well Position	+N/-S	0.00 usft	Northing:	1,520,238.62 usft	Latitude:	40.752254
	+E/-W	0.00 usft	Easting:	3,405,552.43 usft	Longitude:	-104.036179
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft	Ground Level:	5,043.00 usft
Grid Convergence:		0.95 °				

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF202013	5/4/2021	7.50	67.04	52,220.69996854

Design	Design #3				
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	179.38	

Plan Survey Tool Program		Date	5/10/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,704.00 Design #3 (Wellbore #1)	ISCWSA MWD	Fixed:v2:standard declination	
2	1,704.00	14,490.75 Design #3 (Wellbore #1)	ISCWSA MWD	Fixed:v2:standard declination	

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Project:	WATTENBERG FIELD	MD Reference:	RKB = 16' @ 5059.00usft (RIG)
Site:	9N-60W-13 ROHN FED 1324 PAD	North Reference:	True
Well:	ROHN FED 1324-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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	
550.50	0.00	0.00	550.50	0.00	0.00	0.00	0.00	0.00	0.00	
1,287.50	14.74	255.16	1,279.40	-24.15	-91.13	2.00	2.00	0.00	255.16	
6,103.26	14.74	255.16	5,936.67	-337.97	-1,275.55	0.00	0.00	0.00	0.00	
7,063.45	90.00	179.38	6,515.00	-974.91	-1,416.15	9.00	7.84	-7.89	-76.23	
14,490.75	90.00	179.38	6,515.00	-8,401.77	-1,335.62	0.00	0.00	0.00	0.00	ROHN FED 1324-7H_

VERDAD RESOURCES

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well ROHN FED 1324-7H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 16' @ 5059.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 16' @ 5059.00usft (RIG)
Site:	9N-60W-13 ROHN FED 1324 PAD	North Reference:	True
Well:	ROHN FED 1324-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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	
550.50	0.00	0.00	550.50	0.00	0.00	0.00	0.00	0.00	0.00	
Begin Nudge @ 550.50ft										
600.00	0.99	255.16	600.00	-0.11	-0.41	0.11	2.00	2.00	0.00	
700.00	2.99	255.16	699.93	-1.00	-3.77	0.96	2.00	2.00	0.00	
800.00	4.99	255.16	799.68	-2.78	-10.50	2.67	2.00	2.00	0.00	
900.00	6.99	255.16	899.13	-5.45	-20.58	5.23	2.00	2.00	0.00	
1,000.00	8.99	255.16	998.16	-9.01	-34.02	8.64	2.00	2.00	0.00	
1,100.00	10.99	255.16	1,096.64	-13.46	-50.79	12.91	2.00	2.00	0.00	
1,200.00	12.99	255.16	1,194.45	-18.78	-70.87	18.01	2.00	2.00	0.00	
1,287.50	14.74	255.16	1,279.40	-24.15	-91.13	23.16	2.00	2.00	0.00	
Hold Tangent @ 1287.50ft										
1,300.00	14.74	255.16	1,291.49	-24.96	-94.21	23.94	0.00	0.00	0.00	
1,400.00	14.74	255.16	1,388.20	-31.48	-118.80	30.19	0.00	0.00	0.00	
1,500.00	14.74	255.16	1,484.90	-37.99	-143.40	36.44	0.00	0.00	0.00	
1,600.00	14.74	255.16	1,581.61	-44.51	-167.99	42.69	0.00	0.00	0.00	
1,700.00	14.74	255.16	1,678.32	-51.03	-192.59	48.94	0.00	0.00	0.00	
1,726.55	14.74	255.16	1,704.00	-52.76	-199.12	50.60	0.00	0.00	0.00	
9 5/8"										
1,800.00	14.74	255.16	1,775.03	-57.54	-217.18	55.19	0.00	0.00	0.00	
1,900.00	14.74	255.16	1,871.74	-64.06	-241.78	61.44	0.00	0.00	0.00	
2,000.00	14.74	255.16	1,968.45	-70.58	-266.37	67.69	0.00	0.00	0.00	
2,100.00	14.74	255.16	2,065.16	-77.09	-290.97	73.94	0.00	0.00	0.00	
2,200.00	14.74	255.16	2,161.87	-83.61	-315.56	80.19	0.00	0.00	0.00	
2,300.00	14.74	255.16	2,258.58	-90.13	-340.16	86.44	0.00	0.00	0.00	
2,400.00	14.74	255.16	2,355.29	-96.64	-364.75	92.69	0.00	0.00	0.00	
2,500.00	14.74	255.16	2,451.99	-103.16	-389.34	98.94	0.00	0.00	0.00	
2,600.00	14.74	255.16	2,548.70	-109.68	-413.94	105.19	0.00	0.00	0.00	
2,700.00	14.74	255.16	2,645.41	-116.19	-438.53	111.44	0.00	0.00	0.00	
2,800.00	14.74	255.16	2,742.12	-122.71	-463.13	117.69	0.00	0.00	0.00	
2,900.00	14.74	255.16	2,838.83	-129.23	-487.72	123.94	0.00	0.00	0.00	
3,000.00	14.74	255.16	2,935.54	-135.74	-512.32	130.19	0.00	0.00	0.00	
3,100.00	14.74	255.16	3,032.25	-142.26	-536.91	136.44	0.00	0.00	0.00	
3,200.00	14.74	255.16	3,128.96	-148.78	-561.51	142.69	0.00	0.00	0.00	
3,300.00	14.74	255.16	3,225.67	-155.29	-586.10	148.94	0.00	0.00	0.00	
3,400.00	14.74	255.16	3,322.38	-161.81	-610.70	155.19	0.00	0.00	0.00	
3,500.00	14.74	255.16	3,419.08	-168.33	-635.29	161.44	0.00	0.00	0.00	
3,600.00	14.74	255.16	3,515.79	-174.84	-659.89	167.69	0.00	0.00	0.00	
3,700.00	14.74	255.16	3,612.50	-181.36	-684.48	173.94	0.00	0.00	0.00	
3,800.00	14.74	255.16	3,709.21	-187.88	-709.08	180.19	0.00	0.00	0.00	
3,900.00	14.74	255.16	3,805.92	-194.39	-733.67	186.44	0.00	0.00	0.00	
4,000.00	14.74	255.16	3,902.63	-200.91	-758.26	192.69	0.00	0.00	0.00	
4,100.00	14.74	255.16	3,999.34	-207.43	-782.86	198.94	0.00	0.00	0.00	
4,200.00	14.74	255.16	4,096.05	-213.94	-807.45	205.19	0.00	0.00	0.00	
4,300.00	14.74	255.16	4,192.76	-220.46	-832.05	211.44	0.00	0.00	0.00	
4,400.00	14.74	255.16	4,289.47	-226.97	-856.64	217.69	0.00	0.00	0.00	
4,500.00	14.74	255.16	4,386.18	-233.49	-881.24	223.94	0.00	0.00	0.00	
4,600.00	14.74	255.16	4,482.88	-240.01	-905.83	230.19	0.00	0.00	0.00	

VERDAD RESOURCES

Planning Report

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Company:	VERDAD RESOURCES	TVD Reference:	RKB = 16' @ 5059.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 16' @ 5059.00usft (RIG)
Site:	9N-60W-13 ROHN FED 1324 PAD	North Reference:	True
Well:	ROHN FED 1324-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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	14.74	255.16	4,579.59	-246.52	-930.43	236.44	0.00	0.00	0.00
4,800.00	14.74	255.16	4,676.30	-253.04	-955.02	242.69	0.00	0.00	0.00
4,900.00	14.74	255.16	4,773.01	-259.56	-979.62	248.94	0.00	0.00	0.00
5,000.00	14.74	255.16	4,869.72	-266.07	-1,004.21	255.19	0.00	0.00	0.00
5,100.00	14.74	255.16	4,966.43	-272.59	-1,028.81	261.44	0.00	0.00	0.00
5,200.00	14.74	255.16	5,063.14	-279.11	-1,053.40	267.69	0.00	0.00	0.00
5,300.00	14.74	255.16	5,159.85	-285.62	-1,077.99	273.94	0.00	0.00	0.00
5,400.00	14.74	255.16	5,256.56	-292.14	-1,102.59	280.19	0.00	0.00	0.00
5,500.00	14.74	255.16	5,353.27	-298.66	-1,127.18	286.44	0.00	0.00	0.00
5,600.00	14.74	255.16	5,449.97	-305.17	-1,151.78	292.69	0.00	0.00	0.00
5,700.00	14.74	255.16	5,546.68	-311.69	-1,176.37	298.94	0.00	0.00	0.00
5,800.00	14.74	255.16	5,643.39	-318.21	-1,200.97	305.19	0.00	0.00	0.00
5,900.00	14.74	255.16	5,740.10	-324.72	-1,225.56	311.44	0.00	0.00	0.00
6,000.00	14.74	255.16	5,836.81	-331.24	-1,250.16	317.69	0.00	0.00	0.00
6,100.00	14.74	255.16	5,933.52	-337.76	-1,274.75	323.94	0.00	0.00	0.00
6,103.26	14.74	255.16	5,936.67	-337.97	-1,275.55	324.15	0.00	0.00	0.00
KOP @ 6103.26ft :: DLS = 9°/100'									
6,200.00	18.78	227.98	6,029.42	-351.57	-1,299.06	337.49	9.00	4.17	-28.09
6,300.00	25.46	211.76	6,122.10	-380.68	-1,322.38	366.35	9.00	6.69	-16.22
6,400.00	33.21	202.31	6,209.25	-424.38	-1,344.14	409.81	9.00	7.74	-9.45
6,500.00	41.41	196.18	6,288.75	-481.59	-1,363.79	466.81	9.00	8.21	-6.13
6,600.00	49.85	191.80	6,358.63	-550.91	-1,380.86	535.94	9.00	8.44	-4.38
6,700.00	58.42	188.40	6,417.17	-630.63	-1,394.93	615.50	9.00	8.57	-3.40
6,800.00	67.07	185.57	6,462.93	-718.78	-1,405.64	703.53	9.00	8.64	-2.82
6,900.00	75.76	183.09	6,494.78	-813.20	-1,412.74	797.87	9.00	8.69	-2.48
7,000.00	84.47	180.79	6,511.93	-911.56	-1,416.05	896.18	9.00	8.71	-2.30
7,063.45	90.00	179.38	6,515.00	-974.91	-1,416.15	959.52	9.00	8.72	-2.23
TPZ @ 7063.45ft									
7,100.00	90.00	179.38	6,515.00	-1,011.46	-1,415.75	996.08	0.00	0.00	0.00
7,200.00	90.00	179.38	6,515.00	-1,111.45	-1,414.67	1,096.08	0.00	0.00	0.00
7,300.00	90.00	179.38	6,515.00	-1,211.44	-1,413.58	1,196.08	0.00	0.00	0.00
7,400.00	90.00	179.38	6,515.00	-1,311.44	-1,412.50	1,296.08	0.00	0.00	0.00
7,500.00	90.00	179.38	6,515.00	-1,411.43	-1,411.41	1,396.08	0.00	0.00	0.00
7,600.00	90.00	179.38	6,515.00	-1,511.43	-1,410.33	1,496.08	0.00	0.00	0.00
7,700.00	90.00	179.38	6,515.00	-1,611.42	-1,409.25	1,596.08	0.00	0.00	0.00
7,800.00	90.00	179.38	6,515.00	-1,711.41	-1,408.16	1,696.08	0.00	0.00	0.00
7,900.00	90.00	179.38	6,515.00	-1,811.41	-1,407.08	1,796.08	0.00	0.00	0.00
8,000.00	90.00	179.38	6,515.00	-1,911.40	-1,405.99	1,896.08	0.00	0.00	0.00
8,100.00	90.00	179.38	6,515.00	-2,011.40	-1,404.91	1,996.08	0.00	0.00	0.00
8,200.00	90.00	179.38	6,515.00	-2,111.39	-1,403.83	2,096.08	0.00	0.00	0.00
8,300.00	90.00	179.38	6,515.00	-2,211.38	-1,402.74	2,196.08	0.00	0.00	0.00
8,400.00	90.00	179.38	6,515.00	-2,311.38	-1,401.66	2,296.08	0.00	0.00	0.00
8,500.00	90.00	179.38	6,515.00	-2,411.37	-1,400.57	2,396.08	0.00	0.00	0.00
8,600.00	90.00	179.38	6,515.00	-2,511.37	-1,399.49	2,496.08	0.00	0.00	0.00
8,700.00	90.00	179.38	6,515.00	-2,611.36	-1,398.40	2,596.08	0.00	0.00	0.00
8,800.00	90.00	179.38	6,515.00	-2,711.36	-1,397.32	2,696.08	0.00	0.00	0.00
8,900.00	90.00	179.38	6,515.00	-2,811.35	-1,396.24	2,796.08	0.00	0.00	0.00
9,000.00	90.00	179.38	6,515.00	-2,911.34	-1,395.15	2,896.08	0.00	0.00	0.00
9,100.00	90.00	179.38	6,515.00	-3,011.34	-1,394.07	2,996.08	0.00	0.00	0.00
9,200.00	90.00	179.38	6,515.00	-3,111.33	-1,392.98	3,096.08	0.00	0.00	0.00
9,300.00	90.00	179.38	6,515.00	-3,211.33	-1,391.90	3,196.08	0.00	0.00	0.00
9,400.00	90.00	179.38	6,515.00	-3,311.32	-1,390.82	3,296.08	0.00	0.00	0.00
9,500.00	90.00	179.38	6,515.00	-3,411.31	-1,389.73	3,396.08	0.00	0.00	0.00
9,600.00	90.00	179.38	6,515.00	-3,511.31	-1,388.65	3,496.08	0.00	0.00	0.00

VERDAD RESOURCES

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well ROHN FED 1324-7H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 16' @ 5059.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 16' @ 5059.00usft (RIG)
Site:	9N-60W-13 ROHN FED 1324 PAD	North Reference:	True
Well:	ROHN FED 1324-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

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)
9,700.00	90.00	179.38	6,515.00	-3,611.30	-1,387.56	3,596.08	0.00	0.00	0.00
9,800.00	90.00	179.38	6,515.00	-3,711.30	-1,386.48	3,696.08	0.00	0.00	0.00
9,900.00	90.00	179.38	6,515.00	-3,811.29	-1,385.39	3,796.08	0.00	0.00	0.00
10,000.00	90.00	179.38	6,515.00	-3,911.28	-1,384.31	3,896.08	0.00	0.00	0.00
10,100.00	90.00	179.38	6,515.00	-4,011.28	-1,383.23	3,996.08	0.00	0.00	0.00
10,200.00	90.00	179.38	6,515.00	-4,111.27	-1,382.14	4,096.08	0.00	0.00	0.00
10,300.00	90.00	179.38	6,515.00	-4,211.27	-1,381.06	4,196.08	0.00	0.00	0.00
10,400.00	90.00	179.38	6,515.00	-4,311.26	-1,379.97	4,296.08	0.00	0.00	0.00
10,500.00	90.00	179.38	6,515.00	-4,411.26	-1,378.89	4,396.08	0.00	0.00	0.00
10,600.00	90.00	179.38	6,515.00	-4,511.25	-1,377.81	4,496.08	0.00	0.00	0.00
10,700.00	90.00	179.38	6,515.00	-4,611.24	-1,376.72	4,596.08	0.00	0.00	0.00
10,800.00	90.00	179.38	6,515.00	-4,711.24	-1,375.64	4,696.08	0.00	0.00	0.00
10,900.00	90.00	179.38	6,515.00	-4,811.23	-1,374.55	4,796.08	0.00	0.00	0.00
11,000.00	90.00	179.38	6,515.00	-4,911.23	-1,373.47	4,896.08	0.00	0.00	0.00
11,100.00	90.00	179.38	6,515.00	-5,011.22	-1,372.38	4,996.08	0.00	0.00	0.00
11,200.00	90.00	179.38	6,515.00	-5,111.21	-1,371.30	5,096.08	0.00	0.00	0.00
11,300.00	90.00	179.38	6,515.00	-5,211.21	-1,370.22	5,196.08	0.00	0.00	0.00
11,400.00	90.00	179.38	6,515.00	-5,311.20	-1,369.13	5,296.08	0.00	0.00	0.00
11,500.00	90.00	179.38	6,515.00	-5,411.20	-1,368.05	5,396.08	0.00	0.00	0.00
11,600.00	90.00	179.38	6,515.00	-5,511.19	-1,366.96	5,496.08	0.00	0.00	0.00
11,700.00	90.00	179.38	6,515.00	-5,611.19	-1,365.88	5,596.08	0.00	0.00	0.00
11,800.00	90.00	179.38	6,515.00	-5,711.18	-1,364.80	5,696.08	0.00	0.00	0.00
11,900.00	90.00	179.38	6,515.00	-5,811.17	-1,363.71	5,796.08	0.00	0.00	0.00
12,000.00	90.00	179.38	6,515.00	-5,911.17	-1,362.63	5,896.08	0.00	0.00	0.00
12,100.00	90.00	179.38	6,515.00	-6,011.16	-1,361.54	5,996.08	0.00	0.00	0.00
12,200.00	90.00	179.38	6,515.00	-6,111.16	-1,360.46	6,096.08	0.00	0.00	0.00
12,300.00	90.00	179.38	6,515.00	-6,211.15	-1,359.38	6,196.08	0.00	0.00	0.00
12,400.00	90.00	179.38	6,515.00	-6,311.14	-1,358.29	6,296.08	0.00	0.00	0.00
12,500.00	90.00	179.38	6,515.00	-6,411.14	-1,357.21	6,396.08	0.00	0.00	0.00
12,600.00	90.00	179.38	6,515.00	-6,511.13	-1,356.12	6,496.08	0.00	0.00	0.00
12,700.00	90.00	179.38	6,515.00	-6,611.13	-1,355.04	6,596.08	0.00	0.00	0.00
12,800.00	90.00	179.38	6,515.00	-6,711.12	-1,353.95	6,696.08	0.00	0.00	0.00
12,900.00	90.00	179.38	6,515.00	-6,811.11	-1,352.87	6,796.08	0.00	0.00	0.00
13,000.00	90.00	179.38	6,515.00	-6,911.11	-1,351.79	6,896.08	0.00	0.00	0.00
13,100.00	90.00	179.38	6,515.00	-7,011.10	-1,350.70	6,996.08	0.00	0.00	0.00
13,200.00	90.00	179.38	6,515.00	-7,111.10	-1,349.62	7,096.08	0.00	0.00	0.00
13,300.00	90.00	179.38	6,515.00	-7,211.09	-1,348.53	7,196.08	0.00	0.00	0.00
13,400.00	90.00	179.38	6,515.00	-7,311.09	-1,347.45	7,296.08	0.00	0.00	0.00
13,500.00	90.00	179.38	6,515.00	-7,411.08	-1,346.37	7,396.08	0.00	0.00	0.00
13,600.00	90.00	179.38	6,515.00	-7,511.07	-1,345.28	7,496.08	0.00	0.00	0.00
13,700.00	90.00	179.38	6,515.00	-7,611.07	-1,344.20	7,596.08	0.00	0.00	0.00
13,800.00	90.00	179.38	6,515.00	-7,711.06	-1,343.11	7,696.08	0.00	0.00	0.00
13,900.00	90.00	179.38	6,515.00	-7,811.06	-1,342.03	7,796.08	0.00	0.00	0.00
14,000.00	90.00	179.38	6,515.00	-7,911.05	-1,340.94	7,896.08	0.00	0.00	0.00
14,100.00	90.00	179.38	6,515.00	-8,011.04	-1,339.86	7,996.08	0.00	0.00	0.00
14,200.00	90.00	179.38	6,515.00	-8,111.04	-1,338.78	8,096.08	0.00	0.00	0.00
14,300.00	90.00	179.38	6,515.00	-8,211.03	-1,337.69	8,196.08	0.00	0.00	0.00
14,370.88	90.00	179.38	6,515.00	-8,281.91	-1,336.92	8,266.96	0.00	0.00	0.00
BPZ @ 14370.88ft									
14,400.00	90.00	179.38	6,515.00	-8,311.03	-1,336.61	8,296.08	0.00	0.00	0.00
14,490.75	90.00	179.38	6,515.00	-8,401.77	-1,335.62	8,386.83	0.00	0.00	0.00
TD Well @ 14490.75ft									

VERDAD RESOURCES

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well ROHN FED 1324-7H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 16' @ 5059.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 16' @ 5059.00usft (RIG)
Site:	9N-60W-13 ROHN FED 1324 PAD	North Reference:	True
Well:	ROHN FED 1324-7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Casing Points					
	Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
	1,726.55	1,704.00	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)		
550.50	550.50	0.00	0.00		Begin Nudge @ 550.50ft
1,287.50	1,279.40	-24.15	-91.13		Hold Tangent @ 1287.50ft
6,103.26	5,936.67	-337.97	-1,275.55		KOP @ 6103.26ft :: DLS = 9°/100'
7,063.45	6,515.00	-974.91	-1,416.15		TPZ @ 7063.45ft
14,370.88	6,515.00	-8,281.91	-1,336.92		BPZ @ 14370.88ft
14,490.75	6,515.00	-8,401.77	-1,335.62		TD Well @ 14490.75ft