

# **VERDAD RESOURCES**

**WATTENBERG FIELD  
8N-60W-14 SCHNEIDER 1414 PAD  
SCHNEIDER 1414-11H**

**Wellbore #1**

**Plan: Design #2**

## **Standard Planning Report**

**13 June, 2018**

Project: WATTENBERG FIELD  
Site: 8N-60W-14 SCHNEIDER 1414 PAD  
Well: SCHNEIDER 1414-11H  
Wellbore: Wellbore #1  
Design: Design #2

# VERDAD RESOURCES

## CASING DETAILS

TVD	MD	Name	Size
1700.00	1770.37	9 5/8"	9-5/8

SHL  
242' FNL  
1403' FWL

LP  
300' FNL  
690' FEL

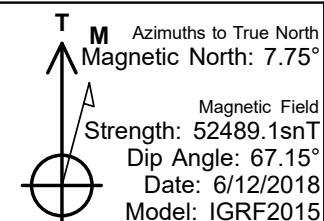
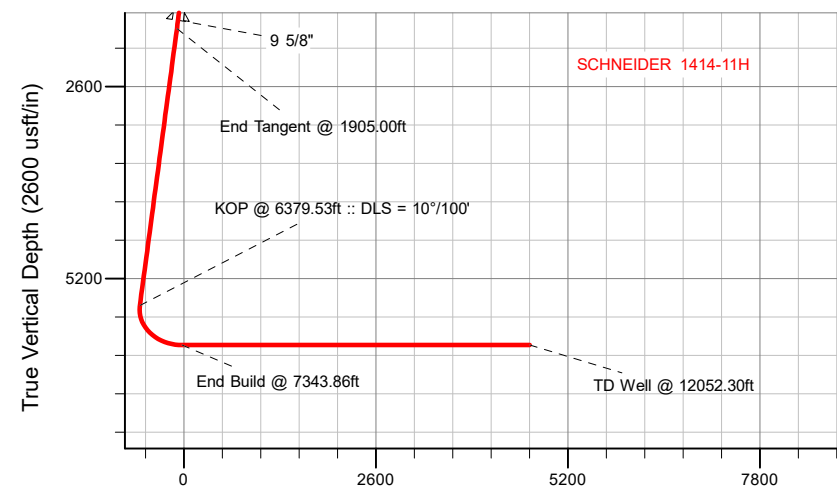
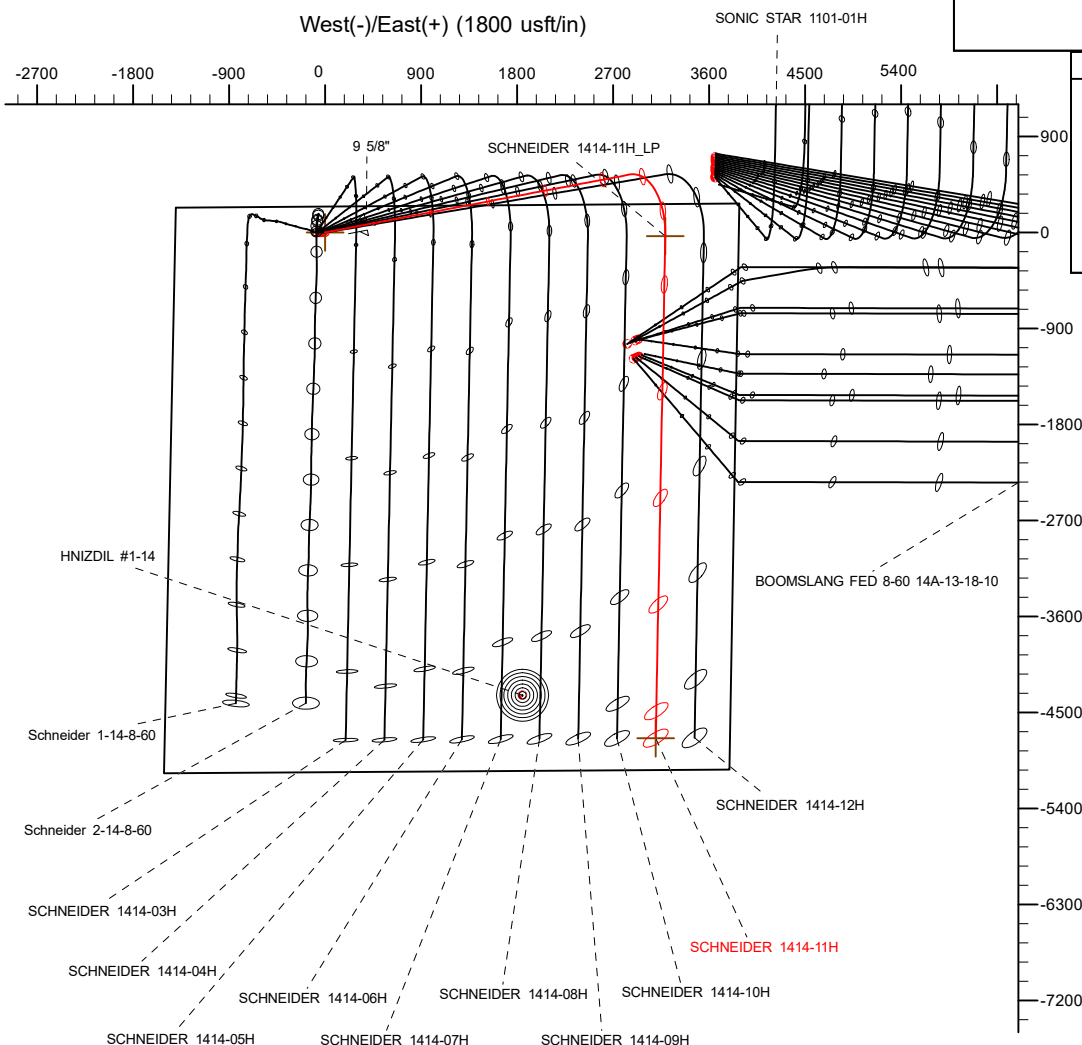
BHL  
300' FSL  
696' FEL

## 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	250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	
3	1905.00	33.10	79.25	1814.47	86.72	456.74	2.00	79.25	-95.39	
4	6379.53	33.10	79.25	5562.86	542.50	2857.41	0.00	0.00	-596.75	
5	7343.86	90.00	181.09	6100.00	-33.26	3189.23	10.00	99.96	-27.41	
6	12052.30	90.00	181.09	6100.00	-4740.86	3099.76	0.00	0.00	4681.04	SCHNEIDER 1414-11H_BHL

## WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
SCHNEIDER 1414-11H_SHL	0.00	0.00	0.00	40.669099	-104.062300
SCHNEIDER 1414-11H_BHL	6100.00	-4740.86	3099.76	40.656086	-104.051128



## WELL DETAILS: SCHNEIDER 1414-11H

GL = 4943'

RKB = 20' @ 4963.00usft (RIG)

Plan: Design #2 (SCHNEIDER 1414-11H/Wellbore #1)

Date: 6/13/2018

# Hewlett-Packard

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SCHNEIDER 1414-11H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4963.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 20' @ 4963.00usft (RIG)
<b>Site:</b>	8N-60W-14 SCHNEIDER 1414 PAD	<b>North Reference:</b>	True
<b>Well:</b>	SCHNEIDER 1414-11H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

<b>Project</b>	WATTENBERG FIELD		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

<b>Site</b>	8N-60W-14 SCHNEIDER 1414 PAD			
<b>Site Position:</b>		<b>Northing:</b>	1,489,828.18 usft	<b>Latitude:</b> 40.669102
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,398,727.28 usft	<b>Longitude:</b> -104.062589
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b> 0.93 °

<b>Well</b>	SCHNEIDER 1414-11H			
<b>Well Position</b>	<b>+N/-S</b>	-0.77 usft	<b>Northing:</b>	1,489,828.71 usft
	<b>+E/-W</b>	80.00 usft	<b>Easting:</b>	3,398,807.29 usft
<b>Position Uncertainty</b>		3.28 usft	<b>Wellhead Elevation:</b>	<b>Ground Level:</b> 4,943.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	6/12/2018	7.75	67.15	52,489.05678527

<b>Design</b>	Design #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	181.09

<b>Plan Survey Tool Program</b>	<b>Date</b>	6/13/2018		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	1,700.00	Design #2 (Wellbore #1)	ISCWSA REV 2 MWD Fixed:v2:standard declination
2	1,700.00	12,052.30	Design #2 (Wellbore #1)	ISCWSA REV 2 MWD Fixed:v2:standard declination

<b>Plan Sections</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,905.00	33.10	79.25	1,814.47	86.72	456.74	2.00	2.00	0.00	79.25	
6,379.53	33.10	79.25	5,562.86	542.50	2,857.41	0.00	0.00	0.00	0.00	
7,343.86	90.00	181.09	6,100.00	-33.26	3,189.23	10.00	5.90	10.56	99.96	
12,052.30	90.00	181.09	6,100.00	-4,740.86	3,099.76	0.00	0.00	0.00	0.00	SCHNEIDER 1414-11

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## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SCHNEIDER 1414-11H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4963.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 20' @ 4963.00usft (RIG)
<b>Site:</b>	8N-60W-14 SCHNEIDER 1414 PAD	<b>North Reference:</b>	True
<b>Well:</b>	SCHNEIDER 1414-11H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

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
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Tangent @ 250.00ft									
300.00	1.00	79.25	300.00	0.08	0.43	-0.09	2.00	2.00	0.00
400.00	3.00	79.25	399.93	0.73	3.86	-0.81	2.00	2.00	0.00
500.00	5.00	79.25	499.68	2.03	10.71	-2.24	2.00	2.00	0.00
600.00	7.00	79.25	599.13	3.98	20.98	-4.38	2.00	2.00	0.00
700.00	9.00	79.25	698.15	6.58	34.65	-7.24	2.00	2.00	0.00
800.00	11.00	79.25	796.63	9.82	51.71	-10.80	2.00	2.00	0.00
900.00	13.00	79.25	894.44	13.70	72.14	-15.07	2.00	2.00	0.00
1,000.00	15.00	79.25	991.46	18.21	95.90	-20.03	2.00	2.00	0.00
1,100.00	17.00	79.25	1,087.58	23.35	122.98	-25.68	2.00	2.00	0.00
1,200.00	19.00	79.25	1,182.68	29.11	153.34	-32.02	2.00	2.00	0.00
1,300.00	21.00	79.25	1,276.65	35.49	186.94	-39.04	2.00	2.00	0.00
1,400.00	23.00	79.25	1,369.36	42.48	223.74	-46.73	2.00	2.00	0.00
1,500.00	25.00	79.25	1,460.71	50.06	263.70	-55.07	2.00	2.00	0.00
1,600.00	27.00	79.25	1,550.59	58.24	306.76	-64.07	2.00	2.00	0.00
1,700.00	29.00	79.25	1,638.88	67.00	352.88	-73.70	2.00	2.00	0.00
1,770.37	30.41	79.25	1,700.00	73.50	387.14	-80.85	2.00	2.00	0.00
9 5/8"									
1,800.00	31.00	79.25	1,725.48	76.32	402.00	-83.96	2.00	2.00	0.00
1,900.00	33.00	79.25	1,810.28	86.21	454.06	-94.83	2.00	2.00	0.00
1,905.00	33.10	79.25	1,814.47	86.72	456.74	-95.39	2.00	2.00	0.00
End Tangent @ 1905.00ft									
2,000.00	33.10	79.25	1,894.05	96.39	507.71	-106.03	0.00	0.00	0.00
2,100.00	33.10	79.25	1,977.82	106.58	561.36	-117.24	0.00	0.00	0.00
2,200.00	33.10	79.25	2,061.59	116.76	615.02	-128.44	0.00	0.00	0.00
2,300.00	33.10	79.25	2,145.37	126.95	668.67	-139.65	0.00	0.00	0.00
2,400.00	33.10	79.25	2,229.14	137.14	722.32	-150.85	0.00	0.00	0.00
2,500.00	33.10	79.25	2,312.91	147.32	775.97	-162.06	0.00	0.00	0.00
2,600.00	33.10	79.25	2,396.68	157.51	829.62	-173.26	0.00	0.00	0.00
2,700.00	33.10	79.25	2,480.45	167.69	883.27	-184.47	0.00	0.00	0.00
2,800.00	33.10	79.25	2,564.23	177.88	936.93	-195.67	0.00	0.00	0.00
2,900.00	33.10	79.25	2,648.00	188.07	990.58	-206.88	0.00	0.00	0.00
3,000.00	33.10	79.25	2,731.77	198.25	1,044.23	-218.08	0.00	0.00	0.00
3,100.00	33.10	79.25	2,815.54	208.44	1,097.88	-229.29	0.00	0.00	0.00
3,200.00	33.10	79.25	2,899.31	218.63	1,151.53	-240.49	0.00	0.00	0.00
3,300.00	33.10	79.25	2,983.08	228.81	1,205.19	-251.70	0.00	0.00	0.00
3,400.00	33.10	79.25	3,066.86	239.00	1,258.84	-262.90	0.00	0.00	0.00
3,500.00	33.10	79.25	3,150.63	249.18	1,312.49	-274.11	0.00	0.00	0.00
3,600.00	33.10	79.25	3,234.40	259.37	1,366.14	-285.31	0.00	0.00	0.00
3,700.00	33.10	79.25	3,318.17	269.56	1,419.79	-296.52	0.00	0.00	0.00
3,800.00	33.10	79.25	3,401.94	279.74	1,473.44	-307.72	0.00	0.00	0.00
3,900.00	33.10	79.25	3,485.72	289.93	1,527.10	-318.93	0.00	0.00	0.00
4,000.00	33.10	79.25	3,569.49	300.11	1,580.75	-330.13	0.00	0.00	0.00
4,100.00	33.10	79.25	3,653.26	310.30	1,634.40	-341.34	0.00	0.00	0.00
4,200.00	33.10	79.25	3,737.03	320.49	1,688.05	-352.54	0.00	0.00	0.00
4,300.00	33.10	79.25	3,820.80	330.67	1,741.70	-363.75	0.00	0.00	0.00
4,400.00	33.10	79.25	3,904.58	340.86	1,795.36	-374.95	0.00	0.00	0.00
4,500.00	33.10	79.25	3,988.35	351.04	1,849.01	-386.16	0.00	0.00	0.00
4,600.00	33.10	79.25	4,072.12	361.23	1,902.66	-397.36	0.00	0.00	0.00

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## Planning Report

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<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4963.00usft (RIG)
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<b>Site:</b>	8N-60W-14 SCHNEIDER 1414 PAD	<b>North Reference:</b>	True
<b>Well:</b>	SCHNEIDER 1414-11H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

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	33.10	79.25	4,155.89	371.42	1,956.31	-408.56	0.00	0.00	0.00	
4,800.00	33.10	79.25	4,239.66	381.60	2,009.96	-419.77	0.00	0.00	0.00	
4,900.00	33.10	79.25	4,323.43	391.79	2,063.61	-430.97	0.00	0.00	0.00	
5,000.00	33.10	79.25	4,407.21	401.98	2,117.27	-442.18	0.00	0.00	0.00	
5,100.00	33.10	79.25	4,490.98	412.16	2,170.92	-453.38	0.00	0.00	0.00	
5,200.00	33.10	79.25	4,574.75	422.35	2,224.57	-464.59	0.00	0.00	0.00	
5,300.00	33.10	79.25	4,658.52	432.53	2,278.22	-475.79	0.00	0.00	0.00	
5,400.00	33.10	79.25	4,742.29	442.72	2,331.87	-487.00	0.00	0.00	0.00	
5,500.00	33.10	79.25	4,826.07	452.91	2,385.53	-498.20	0.00	0.00	0.00	
5,600.00	33.10	79.25	4,909.84	463.09	2,439.18	-509.41	0.00	0.00	0.00	
5,700.00	33.10	79.25	4,993.61	473.28	2,492.83	-520.61	0.00	0.00	0.00	
5,800.00	33.10	79.25	5,077.38	483.46	2,546.48	-531.82	0.00	0.00	0.00	
5,900.00	33.10	79.25	5,161.15	493.65	2,600.13	-543.02	0.00	0.00	0.00	
6,000.00	33.10	79.25	5,244.93	503.84	2,653.78	-554.23	0.00	0.00	0.00	
6,100.00	33.10	79.25	5,328.70	514.02	2,707.44	-565.43	0.00	0.00	0.00	
6,200.00	33.10	79.25	5,412.47	524.21	2,761.09	-576.64	0.00	0.00	0.00	
6,300.00	33.10	79.25	5,496.24	534.40	2,814.74	-587.84	0.00	0.00	0.00	
6,379.53	33.10	79.25	5,562.86	542.50	2,857.41	-596.75	0.00	0.00	0.00	
KOP @ 6379.53ft :: DLS = 10°/100'										
6,400.00	32.80	82.97	5,580.04	544.22	2,868.40	-598.68	10.00	-1.46	18.19	
6,500.00	32.97	101.45	5,664.23	542.13	2,922.09	-597.61	10.00	0.17	18.47	
6,600.00	35.72	118.54	5,746.99	522.73	2,974.53	-579.22	10.00	2.75	17.10	
6,700.00	40.52	132.80	5,825.79	486.62	3,024.13	-544.06	10.00	4.80	14.26	
6,800.00	46.74	144.19	5,898.25	434.89	3,069.39	-493.20	10.00	6.22	11.39	
6,900.00	53.87	153.32	5,962.17	369.11	3,108.93	-428.19	10.00	7.13	9.14	
7,000.00	61.57	160.88	6,015.59	291.29	3,141.54	-350.99	10.00	7.70	7.56	
7,100.00	69.63	167.39	6,056.91	203.78	3,166.24	-263.97	10.00	8.06	6.51	
7,200.00	77.91	173.23	6,084.85	109.25	3,182.28	-169.76	10.00	8.28	5.85	
7,300.00	86.30	178.73	6,098.59	10.56	3,189.16	-71.23	10.00	8.39	5.49	
7,343.86	90.00	181.09	6,100.00	-33.26	3,189.23	-27.41	10.00	8.43	5.39	
End Build @ 7343.86ft										
7,400.00	90.00	181.09	6,100.00	-89.40	3,188.17	28.73	0.00	0.00	0.00	
7,500.00	90.00	181.09	6,100.00	-189.38	3,186.27	128.73	0.00	0.00	0.00	
7,600.00	90.00	181.09	6,100.00	-289.36	3,184.37	228.73	0.00	0.00	0.00	
7,700.00	90.00	181.09	6,100.00	-389.34	3,182.47	328.73	0.00	0.00	0.00	
7,800.00	90.00	181.09	6,100.00	-489.32	3,180.57	428.73	0.00	0.00	0.00	
7,900.00	90.00	181.09	6,100.00	-589.31	3,178.67	528.73	0.00	0.00	0.00	
8,000.00	90.00	181.09	6,100.00	-689.29	3,176.77	628.73	0.00	0.00	0.00	
8,100.00	90.00	181.09	6,100.00	-789.27	3,174.87	728.73	0.00	0.00	0.00	
8,200.00	90.00	181.09	6,100.00	-889.25	3,172.97	828.73	0.00	0.00	0.00	
8,300.00	90.00	181.09	6,100.00	-989.23	3,171.07	928.73	0.00	0.00	0.00	
8,400.00	90.00	181.09	6,100.00	-1,089.22	3,169.17	1,028.73	0.00	0.00	0.00	
8,500.00	90.00	181.09	6,100.00	-1,189.20	3,167.26	1,128.73	0.00	0.00	0.00	
8,600.00	90.00	181.09	6,100.00	-1,289.18	3,165.36	1,228.73	0.00	0.00	0.00	
8,700.00	90.00	181.09	6,100.00	-1,389.16	3,163.46	1,328.73	0.00	0.00	0.00	
8,800.00	90.00	181.09	6,100.00	-1,489.14	3,161.56	1,428.73	0.00	0.00	0.00	
8,900.00	90.00	181.09	6,100.00	-1,589.12	3,159.66	1,528.73	0.00	0.00	0.00	
9,000.00	90.00	181.09	6,100.00	-1,689.11	3,157.76	1,628.73	0.00	0.00	0.00	
9,100.00	90.00	181.09	6,100.00	-1,789.09	3,155.86	1,728.73	0.00	0.00	0.00	
9,200.00	90.00	181.09	6,100.00	-1,889.07	3,153.96	1,828.73	0.00	0.00	0.00	
9,300.00	90.00	181.09	6,100.00	-1,989.05	3,152.06	1,928.73	0.00	0.00	0.00	
9,400.00	90.00	181.09	6,100.00	-2,089.03	3,150.16	2,028.73	0.00	0.00	0.00	
9,500.00	90.00	181.09	6,100.00	-2,189.02	3,148.26	2,128.73	0.00	0.00	0.00	
9,600.00	90.00	181.09	6,100.00	-2,289.00	3,146.36	2,228.73	0.00	0.00	0.00	

# Hewlett-Packard

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SCHNEIDER 1414-11H
<b>Company:</b>	VERDAD RESOURCES	<b>TVD Reference:</b>	RKB = 20' @ 4963.00usft (RIG)
<b>Project:</b>	WATTENBERG FIELD	<b>MD Reference:</b>	RKB = 20' @ 4963.00usft (RIG)
<b>Site:</b>	8N-60W-14 SCHNEIDER 1414 PAD	<b>North Reference:</b>	True
<b>Well:</b>	SCHNEIDER 1414-11H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

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	181.09	6,100.00	-2,388.98	3,144.46	2,328.73	0.00	0.00	0.00	
9,800.00	90.00	181.09	6,100.00	-2,488.96	3,142.56	2,428.73	0.00	0.00	0.00	
9,900.00	90.00	181.09	6,100.00	-2,588.94	3,140.66	2,528.73	0.00	0.00	0.00	
10,000.00	90.00	181.09	6,100.00	-2,688.93	3,138.76	2,628.73	0.00	0.00	0.00	
10,100.00	90.00	181.09	6,100.00	-2,788.91	3,136.86	2,728.73	0.00	0.00	0.00	
10,200.00	90.00	181.09	6,100.00	-2,888.89	3,134.96	2,828.73	0.00	0.00	0.00	
10,300.00	90.00	181.09	6,100.00	-2,988.87	3,133.06	2,928.73	0.00	0.00	0.00	
10,400.00	90.00	181.09	6,100.00	-3,088.85	3,131.16	3,028.73	0.00	0.00	0.00	
10,500.00	90.00	181.09	6,100.00	-3,188.84	3,129.26	3,128.73	0.00	0.00	0.00	
10,600.00	90.00	181.09	6,100.00	-3,288.82	3,127.36	3,228.73	0.00	0.00	0.00	
10,700.00	90.00	181.09	6,100.00	-3,388.80	3,125.46	3,328.73	0.00	0.00	0.00	
10,800.00	90.00	181.09	6,100.00	-3,488.78	3,123.56	3,428.73	0.00	0.00	0.00	
10,900.00	90.00	181.09	6,100.00	-3,588.76	3,121.66	3,528.73	0.00	0.00	0.00	
11,000.00	90.00	181.09	6,100.00	-3,688.75	3,119.76	3,628.73	0.00	0.00	0.00	
11,100.00	90.00	181.09	6,100.00	-3,788.73	3,117.86	3,728.73	0.00	0.00	0.00	
11,200.00	90.00	181.09	6,100.00	-3,888.71	3,115.96	3,828.73	0.00	0.00	0.00	
11,300.00	90.00	181.09	6,100.00	-3,988.69	3,114.06	3,928.73	0.00	0.00	0.00	
11,400.00	90.00	181.09	6,100.00	-4,088.67	3,112.16	4,028.73	0.00	0.00	0.00	
11,500.00	90.00	181.09	6,100.00	-4,188.66	3,110.26	4,128.73	0.00	0.00	0.00	
11,600.00	90.00	181.09	6,100.00	-4,288.64	3,108.36	4,228.73	0.00	0.00	0.00	
11,700.00	90.00	181.09	6,100.00	-4,388.62	3,106.46	4,328.73	0.00	0.00	0.00	
11,800.00	90.00	181.09	6,100.00	-4,488.60	3,104.56	4,428.73	0.00	0.00	0.00	
11,900.00	90.00	181.09	6,100.00	-4,588.58	3,102.66	4,528.73	0.00	0.00	0.00	
12,000.00	90.00	181.09	6,100.00	-4,688.57	3,100.76	4,628.73	0.00	0.00	0.00	
12,052.30	90.00	181.09	6,100.00	-4,740.86	3,099.76	4,681.04	0.00	0.00	0.00	
TD Well @ 12052.30ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,770.37	1,700.00	9 5/8"	9-5/8	13-1/2	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
250.00	250.00	0.00	0.00	Begin Tangent @ 250.00ft	
1,905.00	1,814.47	86.72	456.74	End Tangent @ 1905.00ft	
6,379.53	5,562.86	542.50	2,857.41	KOP @ 6379.53ft :: DLS = 10°/100'	
7,343.86	6,100.00	-33.26	3,189.23	End Build @ 7343.86ft	
12,052.30	6,100.00	-4,740.86	3,099.76	TD Well @ 12052.30ft	