

# **VERDAD RESOURCES**

**WATTENBERG FIELD  
8N-60W-14 SCHNEIDER 1414 PAD  
SCHNEIDER 1414-12H**

**Wellbore #1**

**Plan: Design #2**

## **Standard Planning Report**

**13 June, 2018**

Project: WATTENBERG FIELD  
Site: 8N-60W-14 SCHNEIDER 1414 PAD  
Well: SCHNEIDER 1414-12H  
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  
1413' FWL

LP  
300' FNL  
328' FEL

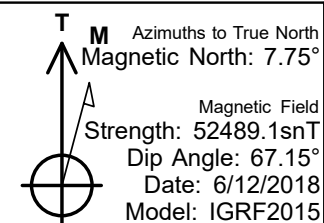
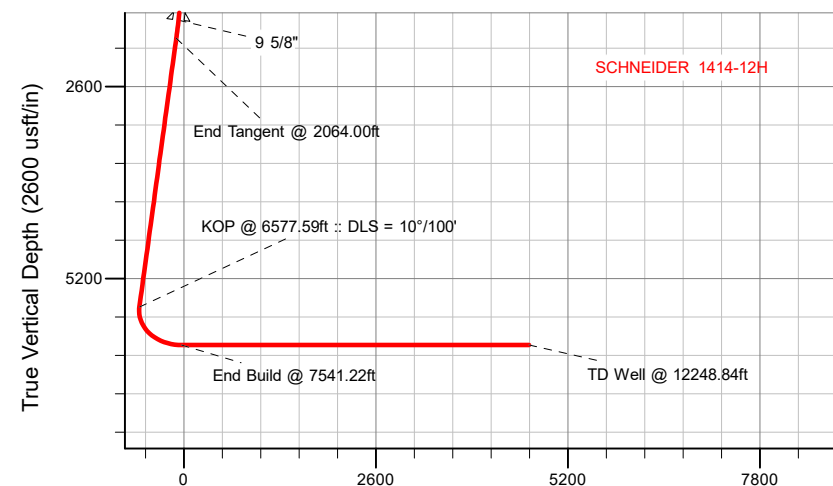
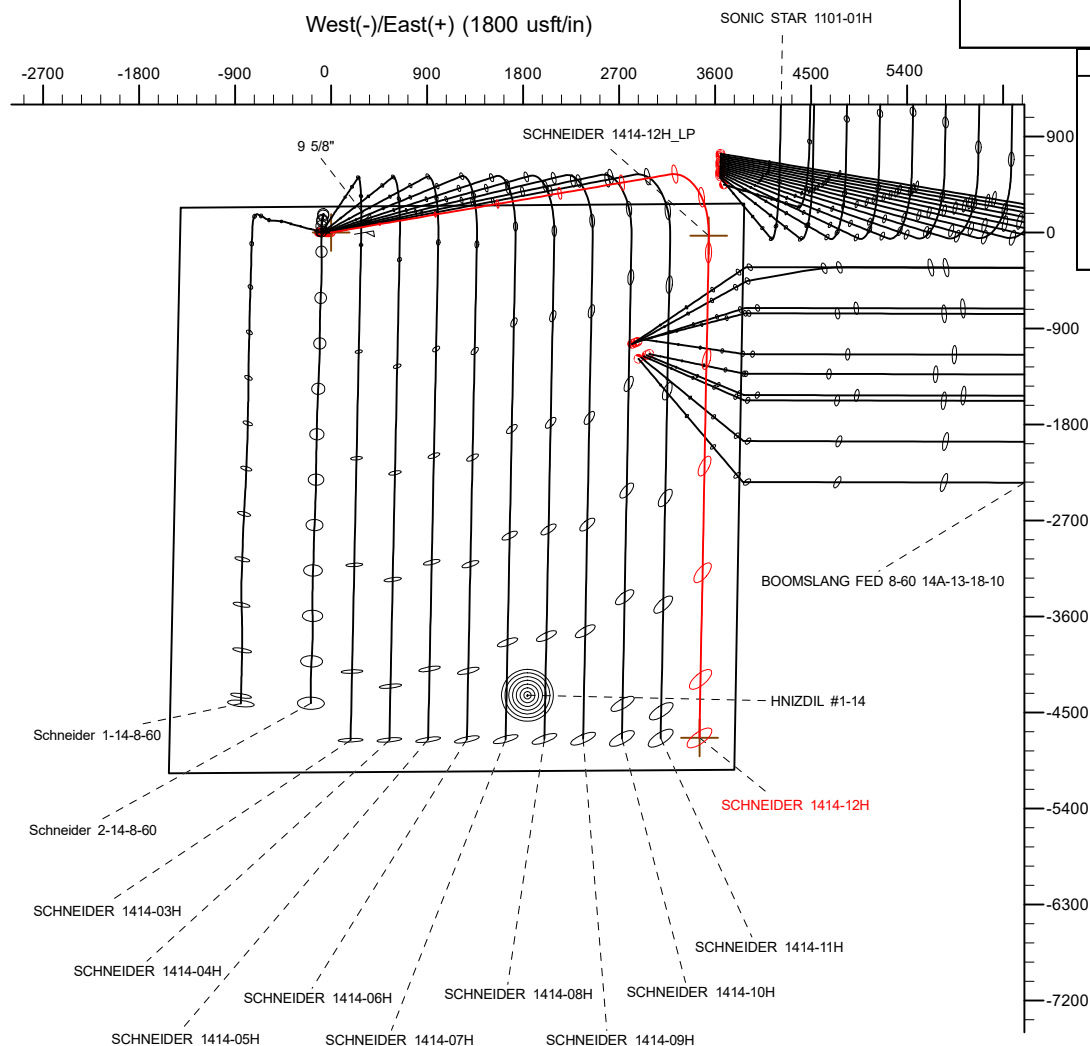
BHL  
300' FSL  
333' FEL

## 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	2064.00	36.28	80.28	1945.19	93.77	547.41	2.00	80.28	-103.97	
4	6577.59	36.28	80.28	5583.75	544.69	3179.90	0.00	0.00	-603.98	
5	7541.22	90.00	181.07	6100.00	-31.61	3541.40	10.00	98.74	-34.52	
6	12248.84	90.00	181.07	6100.00	-4738.41	3453.13	0.00	0.00	4673.10	SCHNEIDER 1414-12H_BHL

## WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
SCHNEIDER 1414-12H_SHL	0.00	0.00	0.00	40.669099	-104.062264
SCHNEIDER 1414-12H_BHL	6100.00	-4738.41	3453.13	40.656092	-104.049819



## WELL DETAILS: SCHNEIDER 1414-12H

GL = 4943'

RKB = 20' @ 4963.00usft (RIG)

Plan: Design #2 (SCHNEIDER 1414-12H/Wellbore #1)

Date: 6/12/2018

# Hewlett-Packard

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SCHNEIDER 1414-12H
<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 1414-12H	<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		

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

Well		SCHNEIDER 1414-12H				
Well Position	+N/-S	-0.88 usft	Northing:	1,489,828.76 usft	Latitude:	40.669099
	+E/-W	90.02 usft	Easting:	3,398,817.30 usft	Longitude:	-104.062265
Position Uncertainty		3.28 usft	Wellhead Elevation:		Ground Level:	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	52,489.06021462

<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	181.07

<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	12,248.84	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	
2,064.00	36.28	80.28	1,945.19	93.77	547.41	2.00	2.00	0.00	80.28	
6,577.59	36.28	80.28	5,583.75	544.69	3,179.90	0.00	0.00	0.00	0.00	
7,541.22	90.00	181.07	6,100.00	-31.61	3,541.40	10.00	5.57	10.46	98.74	
12,248.84	90.00	181.07	6,100.00	-4,738.41	3,453.13	0.00	0.00	0.00	0.00	SCHNEIDER 1414-12

# Hewlett-Packard

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SCHNEIDER 1414-12H
<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 1414-12H	<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	80.28	300.00	0.07	0.43	-0.08	2.00	2.00	0.00
400.00	3.00	80.28	399.93	0.66	3.87	-0.74	2.00	2.00	0.00
500.00	5.00	80.28	499.68	1.84	10.74	-2.04	2.00	2.00	0.00
600.00	7.00	80.28	599.13	3.61	21.05	-4.00	2.00	2.00	0.00
700.00	9.00	80.28	698.15	5.95	34.76	-6.60	2.00	2.00	0.00
800.00	11.00	80.28	796.63	8.89	51.88	-9.85	2.00	2.00	0.00
900.00	13.00	80.28	894.44	12.40	72.37	-13.75	2.00	2.00	0.00
1,000.00	15.00	80.28	991.46	16.48	96.21	-18.27	2.00	2.00	0.00
1,100.00	17.00	80.28	1,087.58	21.13	123.38	-23.43	2.00	2.00	0.00
1,200.00	19.00	80.28	1,182.68	26.35	153.84	-29.22	2.00	2.00	0.00
1,300.00	21.00	80.28	1,276.65	32.13	187.55	-35.62	2.00	2.00	0.00
1,400.00	23.00	80.28	1,369.36	38.45	224.47	-42.63	2.00	2.00	0.00
1,500.00	25.00	80.28	1,460.71	45.32	264.56	-50.25	2.00	2.00	0.00
1,600.00	27.00	80.28	1,550.59	52.72	307.76	-58.46	2.00	2.00	0.00
1,700.00	29.00	80.28	1,638.88	60.64	354.03	-67.24	2.00	2.00	0.00
1,770.37	30.41	80.28	1,700.00	66.53	388.40	-73.77	2.00	2.00	0.00
9 5/8"									
1,800.00	31.00	80.28	1,725.48	69.08	403.31	-76.60	2.00	2.00	0.00
1,900.00	33.00	80.28	1,810.28	78.03	455.54	-86.52	2.00	2.00	0.00
2,000.00	35.00	80.28	1,893.18	87.47	510.65	-96.99	2.00	2.00	0.00
2,064.00	36.28	80.28	1,945.19	93.77	547.41	-103.97	2.00	2.00	0.00
End Tangent @ 2064.00ft									
2,100.00	36.28	80.28	1,974.21	97.36	568.41	-107.96	0.00	0.00	0.00
2,200.00	36.28	80.28	2,054.82	107.35	626.73	-119.04	0.00	0.00	0.00
2,300.00	36.28	80.28	2,135.43	117.34	685.05	-130.12	0.00	0.00	0.00
2,400.00	36.28	80.28	2,216.05	127.33	743.38	-141.19	0.00	0.00	0.00
2,500.00	36.28	80.28	2,296.66	137.33	801.70	-152.27	0.00	0.00	0.00
2,600.00	36.28	80.28	2,377.28	147.32	860.03	-163.35	0.00	0.00	0.00
2,700.00	36.28	80.28	2,457.89	157.31	918.35	-174.43	0.00	0.00	0.00
2,800.00	36.28	80.28	2,538.50	167.30	976.67	-185.51	0.00	0.00	0.00
2,900.00	36.28	80.28	2,619.12	177.29	1,035.00	-196.58	0.00	0.00	0.00
3,000.00	36.28	80.28	2,699.73	187.28	1,093.32	-207.66	0.00	0.00	0.00
3,100.00	36.28	80.28	2,780.34	197.27	1,151.64	-218.74	0.00	0.00	0.00
3,200.00	36.28	80.28	2,860.96	207.26	1,209.97	-229.82	0.00	0.00	0.00
3,300.00	36.28	80.28	2,941.57	217.25	1,268.29	-240.89	0.00	0.00	0.00
3,400.00	36.28	80.28	3,022.18	227.24	1,326.61	-251.97	0.00	0.00	0.00
3,500.00	36.28	80.28	3,102.80	237.23	1,384.94	-263.05	0.00	0.00	0.00
3,600.00	36.28	80.28	3,183.41	247.22	1,443.26	-274.13	0.00	0.00	0.00
3,700.00	36.28	80.28	3,264.02	257.21	1,501.59	-285.21	0.00	0.00	0.00
3,800.00	36.28	80.28	3,344.64	267.20	1,559.91	-296.28	0.00	0.00	0.00
3,900.00	36.28	80.28	3,425.25	277.19	1,618.23	-307.36	0.00	0.00	0.00
4,000.00	36.28	80.28	3,505.86	287.18	1,676.56	-318.44	0.00	0.00	0.00
4,100.00	36.28	80.28	3,586.48	297.17	1,734.88	-329.52	0.00	0.00	0.00
4,200.00	36.28	80.28	3,667.09	307.16	1,793.20	-340.60	0.00	0.00	0.00
4,300.00	36.28	80.28	3,747.70	317.15	1,851.53	-351.67	0.00	0.00	0.00
4,400.00	36.28	80.28	3,828.32	327.14	1,909.85	-362.75	0.00	0.00	0.00
4,500.00	36.28	80.28	3,908.93	337.13	1,968.18	-373.83	0.00	0.00	0.00
4,600.00	36.28	80.28	3,989.54	347.12	2,026.50	-384.91	0.00	0.00	0.00

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## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well SCHNEIDER 1414-12H
<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 1414-12H	<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	36.28	80.28	4,070.16	357.11	2,084.82	-395.98	0.00	0.00	0.00
4,800.00	36.28	80.28	4,150.77	367.10	2,143.15	-407.06	0.00	0.00	0.00
4,900.00	36.28	80.28	4,231.39	377.10	2,201.47	-418.14	0.00	0.00	0.00
5,000.00	36.28	80.28	4,312.00	387.09	2,259.79	-429.22	0.00	0.00	0.00
5,100.00	36.28	80.28	4,392.61	397.08	2,318.12	-440.30	0.00	0.00	0.00
5,200.00	36.28	80.28	4,473.23	407.07	2,376.44	-451.37	0.00	0.00	0.00
5,300.00	36.28	80.28	4,553.84	417.06	2,434.77	-462.45	0.00	0.00	0.00
5,400.00	36.28	80.28	4,634.45	427.05	2,493.09	-473.53	0.00	0.00	0.00
5,500.00	36.28	80.28	4,715.07	437.04	2,551.41	-484.61	0.00	0.00	0.00
5,600.00	36.28	80.28	4,795.68	447.03	2,609.74	-495.68	0.00	0.00	0.00
5,700.00	36.28	80.28	4,876.29	457.02	2,668.06	-506.76	0.00	0.00	0.00
5,800.00	36.28	80.28	4,956.91	467.01	2,726.38	-517.84	0.00	0.00	0.00
5,900.00	36.28	80.28	5,037.52	477.00	2,784.71	-528.92	0.00	0.00	0.00
6,000.00	36.28	80.28	5,118.13	486.99	2,843.03	-540.00	0.00	0.00	0.00
6,100.00	36.28	80.28	5,198.75	496.98	2,901.36	-551.07	0.00	0.00	0.00
6,200.00	36.28	80.28	5,279.36	506.97	2,959.68	-562.15	0.00	0.00	0.00
6,300.00	36.28	80.28	5,359.97	516.96	3,018.00	-573.23	0.00	0.00	0.00
6,400.00	36.28	80.28	5,440.59	526.95	3,076.33	-584.31	0.00	0.00	0.00
6,500.00	36.28	80.28	5,521.20	536.94	3,134.65	-595.38	0.00	0.00	0.00
6,577.59	36.28	80.28	5,583.75	544.69	3,179.90	-603.98	0.00	0.00	0.00
KOP @ 6577.59ft :: DLS = 10°/100'									
6,600.00	36.00	84.05	5,601.85	546.50	3,192.99	-606.03	10.00	-1.26	16.82
6,700.00	36.21	101.06	5,682.85	543.87	3,251.36	-604.49	10.00	0.21	17.01
6,800.00	38.72	117.01	5,762.40	523.95	3,308.36	-585.64	10.00	2.51	15.95
6,900.00	43.13	130.75	5,838.10	487.34	3,362.26	-550.04	10.00	4.41	13.74
7,000.00	48.91	142.12	5,907.62	435.15	3,411.42	-498.78	10.00	5.78	11.37
7,100.00	55.62	151.51	5,968.88	368.97	3,454.35	-433.41	10.00	6.71	9.40
7,200.00	62.93	159.46	6,019.99	290.81	3,489.75	-355.93	10.00	7.32	7.94
7,300.00	70.64	166.40	6,059.42	203.05	3,516.54	-268.68	10.00	7.71	6.94
7,400.00	78.59	172.70	6,085.95	108.34	3,533.90	-174.32	10.00	7.94	6.30
7,500.00	86.66	178.66	6,098.80	9.58	3,541.31	-75.70	10.00	8.07	5.96
7,541.22	90.00	181.07	6,100.00	-31.61	3,541.40	-34.52	10.00	8.11	5.86
End Build @ 7541.22ft									
7,600.00	90.00	181.07	6,100.00	-90.39	3,540.30	24.26	0.00	0.00	0.00
7,700.00	90.00	181.07	6,100.00	-190.37	3,538.42	124.26	0.00	0.00	0.00
7,800.00	90.00	181.07	6,100.00	-290.35	3,536.55	224.26	0.00	0.00	0.00
7,900.00	90.00	181.07	6,100.00	-390.33	3,534.67	324.26	0.00	0.00	0.00
8,000.00	90.00	181.07	6,100.00	-490.32	3,532.80	424.26	0.00	0.00	0.00
8,100.00	90.00	181.07	6,100.00	-590.30	3,530.92	524.26	0.00	0.00	0.00
8,200.00	90.00	181.07	6,100.00	-690.28	3,529.05	624.26	0.00	0.00	0.00
8,300.00	90.00	181.07	6,100.00	-790.26	3,527.17	724.26	0.00	0.00	0.00
8,400.00	90.00	181.07	6,100.00	-890.25	3,525.30	824.26	0.00	0.00	0.00
8,500.00	90.00	181.07	6,100.00	-990.23	3,523.42	924.26	0.00	0.00	0.00
8,600.00	90.00	181.07	6,100.00	-1,090.21	3,521.55	1,024.26	0.00	0.00	0.00
8,700.00	90.00	181.07	6,100.00	-1,190.19	3,519.67	1,124.26	0.00	0.00	0.00
8,800.00	90.00	181.07	6,100.00	-1,290.18	3,517.80	1,224.26	0.00	0.00	0.00
8,900.00	90.00	181.07	6,100.00	-1,390.16	3,515.92	1,324.26	0.00	0.00	0.00
9,000.00	90.00	181.07	6,100.00	-1,490.14	3,514.05	1,424.26	0.00	0.00	0.00
9,100.00	90.00	181.07	6,100.00	-1,590.12	3,512.17	1,524.26	0.00	0.00	0.00
9,200.00	90.00	181.07	6,100.00	-1,690.11	3,510.30	1,624.26	0.00	0.00	0.00
9,300.00	90.00	181.07	6,100.00	-1,790.09	3,508.42	1,724.26	0.00	0.00	0.00
9,400.00	90.00	181.07	6,100.00	-1,890.07	3,506.55	1,824.26	0.00	0.00	0.00
9,500.00	90.00	181.07	6,100.00	-1,990.05	3,504.67	1,924.26	0.00	0.00	0.00
9,600.00	90.00	181.07	6,100.00	-2,090.04	3,502.80	2,024.26	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 1414-12H
<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 1414-12H	<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	181.07	6,100.00	-2,190.02	3,500.92	2,124.26	0.00	0.00	0.00	
9,800.00	90.00	181.07	6,100.00	-2,290.00	3,499.05	2,224.26	0.00	0.00	0.00	
9,900.00	90.00	181.07	6,100.00	-2,389.98	3,497.17	2,324.26	0.00	0.00	0.00	
10,000.00	90.00	181.07	6,100.00	-2,489.97	3,495.30	2,424.26	0.00	0.00	0.00	
10,100.00	90.00	181.07	6,100.00	-2,589.95	3,493.42	2,524.26	0.00	0.00	0.00	
10,200.00	90.00	181.07	6,100.00	-2,689.93	3,491.55	2,624.26	0.00	0.00	0.00	
10,300.00	90.00	181.07	6,100.00	-2,789.91	3,489.67	2,724.26	0.00	0.00	0.00	
10,400.00	90.00	181.07	6,100.00	-2,889.89	3,487.80	2,824.26	0.00	0.00	0.00	
10,500.00	90.00	181.07	6,100.00	-2,989.88	3,485.92	2,924.26	0.00	0.00	0.00	
10,600.00	90.00	181.07	6,100.00	-3,089.86	3,484.05	3,024.26	0.00	0.00	0.00	
10,700.00	90.00	181.07	6,100.00	-3,189.84	3,482.17	3,124.26	0.00	0.00	0.00	
10,800.00	90.00	181.07	6,100.00	-3,289.82	3,480.30	3,224.26	0.00	0.00	0.00	
10,900.00	90.00	181.07	6,100.00	-3,389.81	3,478.42	3,324.26	0.00	0.00	0.00	
11,000.00	90.00	181.07	6,100.00	-3,489.79	3,476.55	3,424.26	0.00	0.00	0.00	
11,100.00	90.00	181.07	6,100.00	-3,589.77	3,474.67	3,524.26	0.00	0.00	0.00	
11,200.00	90.00	181.07	6,100.00	-3,689.75	3,472.80	3,624.26	0.00	0.00	0.00	
11,300.00	90.00	181.07	6,100.00	-3,789.74	3,470.92	3,724.26	0.00	0.00	0.00	
11,400.00	90.00	181.07	6,100.00	-3,889.72	3,469.05	3,824.26	0.00	0.00	0.00	
11,500.00	90.00	181.07	6,100.00	-3,989.70	3,467.17	3,924.26	0.00	0.00	0.00	
11,600.00	90.00	181.07	6,100.00	-4,089.68	3,465.30	4,024.26	0.00	0.00	0.00	
11,700.00	90.00	181.07	6,100.00	-4,189.67	3,463.42	4,124.26	0.00	0.00	0.00	
11,800.00	90.00	181.07	6,100.00	-4,289.65	3,461.55	4,224.26	0.00	0.00	0.00	
11,900.00	90.00	181.07	6,100.00	-4,389.63	3,459.67	4,324.26	0.00	0.00	0.00	
12,000.00	90.00	181.07	6,100.00	-4,489.61	3,457.80	4,424.26	0.00	0.00	0.00	
12,100.00	90.00	181.07	6,100.00	-4,589.60	3,455.92	4,524.26	0.00	0.00	0.00	
12,200.00	90.00	181.07	6,100.00	-4,689.58	3,454.05	4,624.26	0.00	0.00	0.00	
12,248.84	90.00	181.07	6,100.00	-4,738.41	3,453.13	4,673.10	0.00	0.00	0.00	
TD Well @ 12248.84ft										

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		Comment
		+N/-S (usft)	+E/-W (usft)	
250.00	250.00	0.00	0.00	Begin Tangent @ 250.00ft
2,064.00	1,945.19	93.77	547.41	End Tangent @ 2064.00ft
6,577.59	5,583.75	544.69	3,179.90	KOP @ 6577.59ft :: DLS = 10°/100'
7,541.22	6,100.00	-31.61	3,541.40	End Build @ 7541.22ft
12,248.84	6,100.00	-4,738.41	3,453.13	TD Well @ 12248.84ft