

SRC ENERGY

WELD COUNTY (NAD83, TRUE NORTH)

5N-66W-05 VOLT 19-5 PAD

VOLT 34C-6-M

Wellbore #1

Plan: Design #1

Standard Planning Report

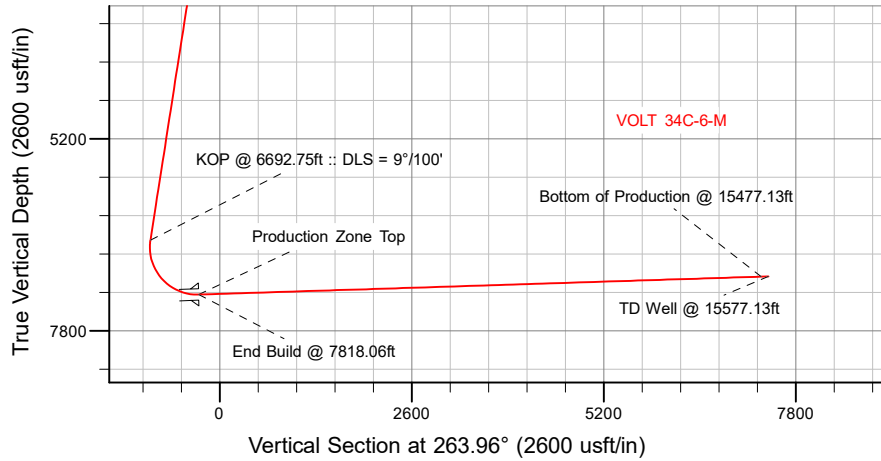
18 November, 2018

Project: WELD COUNTY (NAD83, TRUE NORTH)
 Site: 5N-66W-05 VOLT 19-5 PAD
 Well: VOLT 34C-6-M
 Wellbore: Wellbore #1
 Design: Design #1

SRC ENERGY

CASING DETAILS

TVD	MD	Name
1800.00	1823.45	9 5/8"
7310.00	7818.06	Production Zone Top



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	818.50	11.37	123.20	814.78	-30.79	47.05	2.00	123.20	-43.55	
4	6692.75	11.37	123.20	6573.74	-664.90	1016.08	0.00	0.00	-940.54	
5	7818.06	91.82	269.78	7310.00	-751.63	368.39	9.00	145.85	-287.32	
6	15477.13	91.82	269.78	7067.00	-780.70	-7286.76	0.00	0.00	7328.46	VOLT 34C-6-M_BPZ
7	15577.13	91.82	269.78	7063.83	-781.08	-7386.71	0.00	0.00	7427.89	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
VOLT 34C-6-M_SHL	0.00	0.00	0.00	40.424556	-104.805714
VOLT 34C-6-M_BHL	7063.83	-781.08	-7386.71	40.422409	-104.832245
VOLT 34C-6-M_BPZ	7067.00	-780.70	-7286.76	40.422410	-104.831886

SHL
1167' FSL
2042' FWL

LP
412' FSL
2487' FWL
40.422493° Lat
-104.804391° Long

BPZ
304' FSL
150' FWL

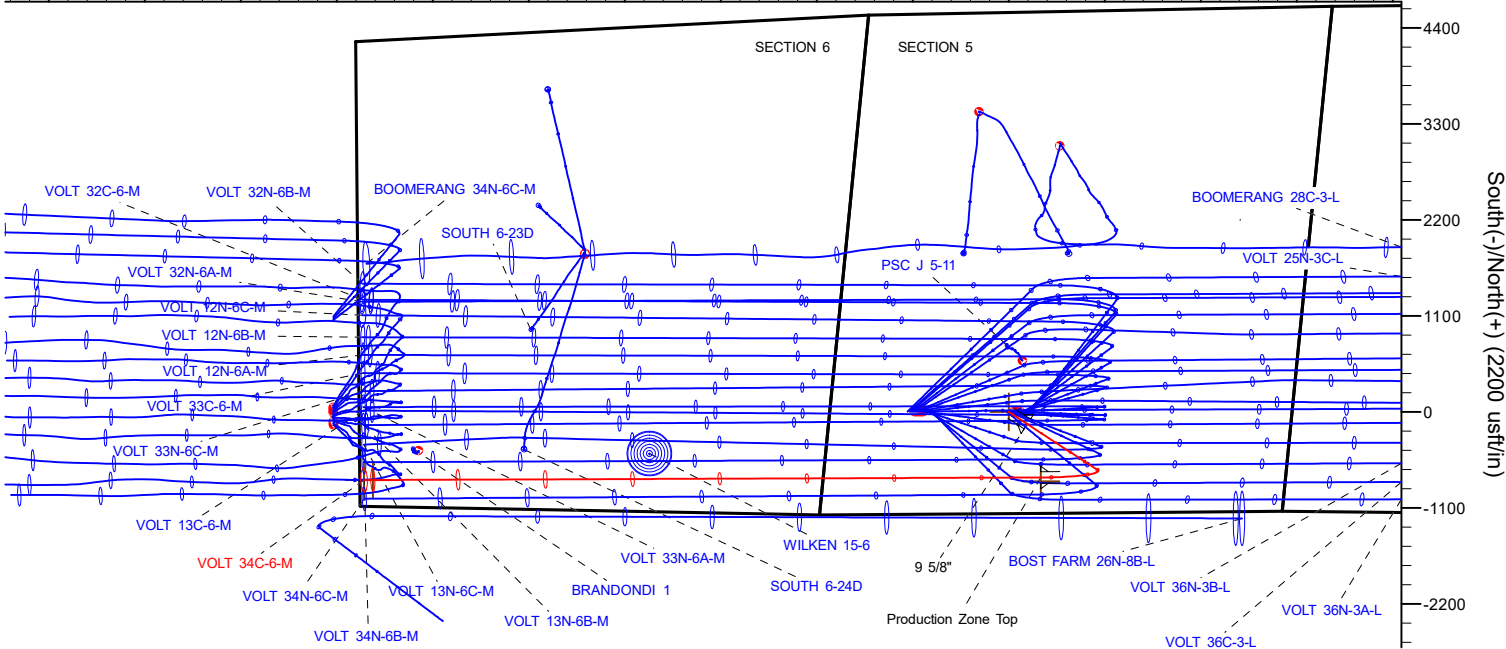
BHL
302' FSL
50' FWL

WELL DETAILS: VOLT 34C-6-M

GL = 4813'
 RKB = 4' @ 4817.00usft (IKON 12)

Plan: Design #1 (VOLT 34C-6-M/Wellbore #1)

Date: 11/18/2018



T Azimuths to True North
M Magnetic North: 8.09°

Magnetic Field
 Strength: 52243.7snT
 Dip Angle: 66.83°
 Date: 11/2/2018
 Model: IGRF2015

South(-)/North(+) (2200 usft/in)

Hewlett-Packard

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well VOLT 34C-6-M
Company:	SRC ENERGY	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Project:	WELD COUNTY (NAD83, TRUE NORTH)	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site:	5N-66W-05 VOLT 19-5 PAD	North Reference:	True
Well:	VOLT 34C-6-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	WELD COUNTY (NAD83, TRUE NORTH)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	5N-66W-05 VOLT 19-5 PAD				
Site Position:		Northing:	1,398,257.75 usft	Latitude:	40.424567
From:	Lat/Long	Easting:	3,192,134.26 usft	Longitude:	-104.809879
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.45 °

Well	VOLT 34C-6-M					
Well Position	+N/-S	-3.99 usft	Northing:	1,398,262.79 usft	Latitude:	40.424556
	+E/-W	1,159.58 usft	Easting:	3,193,293.83 usft	Longitude:	-104.805714
Position Uncertainty		3.28 usft	Wellhead Elevation:		Ground Level:	4,813.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/2/2018	8.09	66.83	52,243.69731124

Design	Design #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	263.96

Plan Survey Tool Program	Date	11/18/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,800.00	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV 2 Fixed:v2:crustal field declinatio	
2	1,800.00	15,577.13	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV 2 Fixed:v2:Rockies, crustal dec +	

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Wellbore:	Wellbore #1		
Design:	Design #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	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
818.50	11.37	123.20	814.78	-30.79	47.05	2.00	2.00	0.00	123.20	
6,692.75	11.37	123.20	6,573.74	-664.90	1,016.08	0.00	0.00	0.00	0.00	
7,818.06	91.82	269.78	7,310.00	-751.63	368.39	9.00	7.15	13.03	145.85	
15,477.13	91.82	269.78	7,067.00	-780.70	-7,286.76	0.00	0.00	0.00	0.00	VOLT 34C-6-M_BPZ
15,577.13	91.82	269.78	7,063.83	-781.08	-7,386.71	0.00	0.00	0.00	0.00	

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Site:	5N-66W-05 VOLT 19-5 PAD	North Reference:	True
Well:	VOLT 34C-6-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 250.00ft									
300.00	1.00	123.20	300.00	-0.24	0.37	-0.34	2.00	2.00	0.00
400.00	3.00	123.20	399.93	-2.15	3.29	-3.04	2.00	2.00	0.00
500.00	5.00	123.20	499.68	-5.97	9.12	-8.44	2.00	2.00	0.00
600.00	7.00	123.20	599.13	-11.69	17.87	-16.54	2.00	2.00	0.00
700.00	9.00	123.20	698.15	-19.31	29.51	-27.32	2.00	2.00	0.00
800.00	11.00	123.20	796.63	-28.82	44.04	-40.77	2.00	2.00	0.00
818.50	11.37	123.20	814.78	-30.79	47.05	-43.55	2.00	2.00	0.00
Hold Tangent @ 818.50ft									
900.00	11.37	123.20	894.68	-39.58	60.49	-55.99	0.00	0.00	0.00
1,000.00	11.37	123.20	992.71	-50.38	76.99	-71.26	0.00	0.00	0.00
1,100.00	11.37	123.20	1,090.75	-61.17	93.48	-86.53	0.00	0.00	0.00
1,200.00	11.37	123.20	1,188.79	-71.97	109.98	-101.80	0.00	0.00	0.00
1,300.00	11.37	123.20	1,286.83	-82.76	126.47	-117.07	0.00	0.00	0.00
1,400.00	11.37	123.20	1,384.86	-93.56	142.97	-132.34	0.00	0.00	0.00
1,500.00	11.37	123.20	1,482.90	-104.35	159.47	-147.61	0.00	0.00	0.00
1,600.00	11.37	123.20	1,580.94	-115.15	175.96	-162.88	0.00	0.00	0.00
1,700.00	11.37	123.20	1,678.98	-125.94	192.46	-178.15	0.00	0.00	0.00
1,800.00	11.37	123.20	1,777.01	-136.74	208.96	-193.42	0.00	0.00	0.00
1,823.45	11.37	123.20	1,800.00	-139.27	212.82	-197.00	0.00	0.00	0.00
9 5/8"									
1,900.00	11.37	123.20	1,875.05	-147.53	225.45	-208.69	0.00	0.00	0.00
2,000.00	11.37	123.20	1,973.09	-158.33	241.95	-223.96	0.00	0.00	0.00
2,100.00	11.37	123.20	2,071.13	-169.12	258.45	-239.23	0.00	0.00	0.00
2,200.00	11.37	123.20	2,169.16	-179.92	274.94	-254.50	0.00	0.00	0.00
2,300.00	11.37	123.20	2,267.20	-190.71	291.44	-269.77	0.00	0.00	0.00
2,400.00	11.37	123.20	2,365.24	-201.51	307.93	-285.04	0.00	0.00	0.00
2,500.00	11.37	123.20	2,463.28	-212.30	324.43	-300.31	0.00	0.00	0.00
2,600.00	11.37	123.20	2,561.31	-223.10	340.93	-315.58	0.00	0.00	0.00
2,700.00	11.37	123.20	2,659.35	-233.89	357.42	-330.85	0.00	0.00	0.00
2,800.00	11.37	123.20	2,757.39	-244.69	373.92	-346.12	0.00	0.00	0.00
2,900.00	11.37	123.20	2,855.43	-255.48	390.42	-361.39	0.00	0.00	0.00
3,000.00	11.37	123.20	2,953.46	-266.28	406.91	-376.66	0.00	0.00	0.00
3,100.00	11.37	123.20	3,051.50	-277.07	423.41	-391.93	0.00	0.00	0.00
3,200.00	11.37	123.20	3,149.54	-287.87	439.90	-407.20	0.00	0.00	0.00
3,300.00	11.37	123.20	3,247.58	-298.66	456.40	-422.47	0.00	0.00	0.00
3,400.00	11.37	123.20	3,345.61	-309.46	472.90	-437.74	0.00	0.00	0.00
3,500.00	11.37	123.20	3,443.65	-320.25	489.39	-453.01	0.00	0.00	0.00
3,600.00	11.37	123.20	3,541.69	-331.05	505.89	-468.28	0.00	0.00	0.00
3,700.00	11.37	123.20	3,639.73	-341.84	522.39	-483.55	0.00	0.00	0.00
3,800.00	11.37	123.20	3,737.76	-352.63	538.88	-498.82	0.00	0.00	0.00
3,900.00	11.37	123.20	3,835.80	-363.43	555.38	-514.09	0.00	0.00	0.00
4,000.00	11.37	123.20	3,933.84	-374.22	571.88	-529.36	0.00	0.00	0.00
4,100.00	11.37	123.20	4,031.88	-385.02	588.37	-544.63	0.00	0.00	0.00
4,200.00	11.37	123.20	4,129.91	-395.81	604.87	-559.90	0.00	0.00	0.00
4,300.00	11.37	123.20	4,227.95	-406.61	621.36	-575.17	0.00	0.00	0.00
4,400.00	11.37	123.20	4,325.99	-417.40	637.86	-590.44	0.00	0.00	0.00
4,500.00	11.37	123.20	4,424.03	-428.20	654.36	-605.71	0.00	0.00	0.00
4,600.00	11.37	123.20	4,522.06	-438.99	670.85	-620.98	0.00	0.00	0.00

Hewlett-Packard

Planning Report

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Project:	WELD COUNTY (NAD83, TRUE NORTH)	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site:	5N-66W-05 VOLT 19-5 PAD	North Reference:	True
Well:	VOLT 34C-6-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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	11.37	123.20	4,620.10	-449.79	687.35	-636.25	0.00	0.00	0.00
4,800.00	11.37	123.20	4,718.14	-460.58	703.85	-651.52	0.00	0.00	0.00
4,900.00	11.37	123.20	4,816.17	-471.38	720.34	-666.79	0.00	0.00	0.00
5,000.00	11.37	123.20	4,914.21	-482.17	736.84	-682.06	0.00	0.00	0.00
5,100.00	11.37	123.20	5,012.25	-492.97	753.33	-697.33	0.00	0.00	0.00
5,200.00	11.37	123.20	5,110.29	-503.76	769.83	-712.60	0.00	0.00	0.00
5,300.00	11.37	123.20	5,208.32	-514.56	786.33	-727.87	0.00	0.00	0.00
5,400.00	11.37	123.20	5,306.36	-525.35	802.82	-743.14	0.00	0.00	0.00
5,500.00	11.37	123.20	5,404.40	-536.15	819.32	-758.41	0.00	0.00	0.00
5,600.00	11.37	123.20	5,502.44	-546.94	835.82	-773.68	0.00	0.00	0.00
5,700.00	11.37	123.20	5,600.47	-557.74	852.31	-788.95	0.00	0.00	0.00
5,800.00	11.37	123.20	5,698.51	-568.53	868.81	-804.22	0.00	0.00	0.00
5,900.00	11.37	123.20	5,796.55	-579.33	885.31	-819.49	0.00	0.00	0.00
6,000.00	11.37	123.20	5,894.59	-590.12	901.80	-834.76	0.00	0.00	0.00
6,100.00	11.37	123.20	5,992.62	-600.92	918.30	-850.03	0.00	0.00	0.00
6,200.00	11.37	123.20	6,090.66	-611.71	934.79	-865.30	0.00	0.00	0.00
6,300.00	11.37	123.20	6,188.70	-622.51	951.29	-880.57	0.00	0.00	0.00
6,400.00	11.37	123.20	6,286.74	-633.30	967.79	-895.84	0.00	0.00	0.00
6,500.00	11.37	123.20	6,384.77	-644.10	984.28	-911.11	0.00	0.00	0.00
6,600.00	11.37	123.20	6,482.81	-654.89	1,000.78	-926.38	0.00	0.00	0.00
6,692.75	11.37	123.20	6,573.74	-664.90	1,016.08	-940.54	0.00	0.00	0.00
KOP @ 6692.75ft :: DLS = 9°/100'									
6,700.00	10.84	125.15	6,580.86	-665.69	1,017.24	-941.60	9.00	-7.36	26.88
6,800.00	6.36	181.42	6,679.86	-676.66	1,024.80	-947.97	9.00	-4.48	56.27
6,900.00	11.17	235.25	6,778.81	-687.73	1,016.69	-938.74	9.00	4.81	53.83
7,000.00	19.24	250.98	6,875.27	-698.65	993.10	-914.14	9.00	8.08	15.73
7,100.00	27.88	257.43	6,966.86	-709.13	954.62	-874.77	9.00	8.64	6.45
7,200.00	36.68	260.98	7,051.33	-718.91	902.19	-821.60	9.00	8.80	3.55
7,300.00	45.55	263.31	7,126.59	-727.77	837.11	-755.95	9.00	8.87	2.33
7,400.00	54.46	265.02	7,190.80	-735.48	760.97	-679.42	9.00	8.91	1.71
7,500.00	63.38	266.38	7,242.38	-741.85	675.65	-593.91	9.00	8.92	1.36
7,600.00	72.32	267.55	7,280.05	-746.72	583.26	-501.51	9.00	8.94	1.16
7,700.00	81.26	268.60	7,302.88	-749.97	486.06	-404.51	9.00	8.94	1.05
7,800.00	90.20	269.60	7,310.32	-751.53	386.45	-305.29	9.00	8.94	1.00
7,818.06	91.82	269.78	7,310.00	-751.63	368.40	-287.33	9.00	8.94	1.00
End Build @ 7818.06ft - Production Zone Top									
7,900.00	91.82	269.78	7,307.40	-751.94	286.50	-205.85	0.00	0.00	0.00
8,000.00	91.82	269.78	7,304.23	-752.32	186.55	-106.41	0.00	0.00	0.00
8,100.00	91.82	269.78	7,301.05	-752.70	86.60	-6.98	0.00	0.00	0.00
8,200.00	91.82	269.78	7,297.88	-753.08	-13.35	92.46	0.00	0.00	0.00
8,300.00	91.82	269.78	7,294.71	-753.46	-113.30	191.89	0.00	0.00	0.00
8,400.00	91.82	269.78	7,291.54	-753.84	-213.25	291.32	0.00	0.00	0.00
8,500.00	91.82	269.78	7,288.36	-754.22	-313.20	390.76	0.00	0.00	0.00
8,600.00	91.82	269.78	7,285.19	-754.60	-413.14	490.19	0.00	0.00	0.00
8,700.00	91.82	269.78	7,282.02	-754.98	-513.09	589.63	0.00	0.00	0.00
8,800.00	91.82	269.78	7,278.85	-755.36	-613.04	689.06	0.00	0.00	0.00
8,900.00	91.82	269.78	7,275.67	-755.74	-712.99	788.50	0.00	0.00	0.00
9,000.00	91.82	269.78	7,272.50	-756.12	-812.94	887.93	0.00	0.00	0.00
9,100.00	91.82	269.78	7,269.33	-756.50	-912.89	987.37	0.00	0.00	0.00
9,200.00	91.82	269.78	7,266.15	-756.88	-1,012.84	1,086.80	0.00	0.00	0.00
9,300.00	91.82	269.78	7,262.98	-757.26	-1,112.79	1,186.24	0.00	0.00	0.00
9,400.00	91.82	269.78	7,259.81	-757.63	-1,212.74	1,285.67	0.00	0.00	0.00
9,500.00	91.82	269.78	7,256.64	-758.01	-1,312.68	1,385.11	0.00	0.00	0.00
9,600.00	91.82	269.78	7,253.46	-758.39	-1,412.63	1,484.54	0.00	0.00	0.00

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Design:	Design #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)	
9,700.00	91.82	269.78	7,250.29	-758.77	-1,512.58	1,583.98	0.00	0.00	0.00	
9,800.00	91.82	269.78	7,247.12	-759.15	-1,612.53	1,683.41	0.00	0.00	0.00	
9,900.00	91.82	269.78	7,243.95	-759.53	-1,712.48	1,782.85	0.00	0.00	0.00	
10,000.00	91.82	269.78	7,240.77	-759.91	-1,812.43	1,882.28	0.00	0.00	0.00	
10,100.00	91.82	269.78	7,237.60	-760.29	-1,912.38	1,981.72	0.00	0.00	0.00	
10,200.00	91.82	269.78	7,234.43	-760.67	-2,012.33	2,081.15	0.00	0.00	0.00	
10,300.00	91.82	269.78	7,231.25	-761.05	-2,112.28	2,180.59	0.00	0.00	0.00	
10,400.00	91.82	269.78	7,228.08	-761.43	-2,212.23	2,280.02	0.00	0.00	0.00	
10,500.00	91.82	269.78	7,224.91	-761.81	-2,312.17	2,379.46	0.00	0.00	0.00	
10,600.00	91.82	269.78	7,221.74	-762.19	-2,412.12	2,478.89	0.00	0.00	0.00	
10,700.00	91.82	269.78	7,218.56	-762.57	-2,512.07	2,578.33	0.00	0.00	0.00	
10,800.00	91.82	269.78	7,215.39	-762.95	-2,612.02	2,677.76	0.00	0.00	0.00	
10,900.00	91.82	269.78	7,212.22	-763.33	-2,711.97	2,777.20	0.00	0.00	0.00	
11,000.00	91.82	269.78	7,209.05	-763.71	-2,811.92	2,876.63	0.00	0.00	0.00	
11,100.00	91.82	269.78	7,205.87	-764.09	-2,911.87	2,976.07	0.00	0.00	0.00	
11,200.00	91.82	269.78	7,202.70	-764.47	-3,011.82	3,075.50	0.00	0.00	0.00	
11,300.00	91.82	269.78	7,199.53	-764.85	-3,111.77	3,174.94	0.00	0.00	0.00	
11,400.00	91.82	269.78	7,196.36	-765.23	-3,211.71	3,274.37	0.00	0.00	0.00	
11,500.00	91.82	269.78	7,193.18	-765.61	-3,311.66	3,373.81	0.00	0.00	0.00	
11,600.00	91.82	269.78	7,190.01	-765.99	-3,411.61	3,473.24	0.00	0.00	0.00	
11,700.00	91.82	269.78	7,186.84	-766.36	-3,511.56	3,572.67	0.00	0.00	0.00	
11,800.00	91.82	269.78	7,183.66	-766.74	-3,611.51	3,672.11	0.00	0.00	0.00	
11,900.00	91.82	269.78	7,180.49	-767.12	-3,711.46	3,771.54	0.00	0.00	0.00	
12,000.00	91.82	269.78	7,177.32	-767.50	-3,811.41	3,870.98	0.00	0.00	0.00	
12,100.00	91.82	269.78	7,174.15	-767.88	-3,911.36	3,970.41	0.00	0.00	0.00	
12,200.00	91.82	269.78	7,170.97	-768.26	-4,011.31	4,069.85	0.00	0.00	0.00	
12,300.00	91.82	269.78	7,167.80	-768.64	-4,111.25	4,169.28	0.00	0.00	0.00	
12,400.00	91.82	269.78	7,164.63	-769.02	-4,211.20	4,268.72	0.00	0.00	0.00	
12,500.00	91.82	269.78	7,161.46	-769.40	-4,311.15	4,368.15	0.00	0.00	0.00	
12,600.00	91.82	269.78	7,158.28	-769.78	-4,411.10	4,467.59	0.00	0.00	0.00	
12,700.00	91.82	269.78	7,155.11	-770.16	-4,511.05	4,567.02	0.00	0.00	0.00	
12,800.00	91.82	269.78	7,151.94	-770.54	-4,611.00	4,666.46	0.00	0.00	0.00	
12,900.00	91.82	269.78	7,148.76	-770.92	-4,710.95	4,765.89	0.00	0.00	0.00	
13,000.00	91.82	269.78	7,145.59	-771.30	-4,810.90	4,865.33	0.00	0.00	0.00	
13,100.00	91.82	269.78	7,142.42	-771.68	-4,910.85	4,964.76	0.00	0.00	0.00	
13,200.00	91.82	269.78	7,139.25	-772.06	-5,010.80	5,064.20	0.00	0.00	0.00	
13,300.00	91.82	269.78	7,136.07	-772.44	-5,110.74	5,163.63	0.00	0.00	0.00	
13,400.00	91.82	269.78	7,132.90	-772.82	-5,210.69	5,263.07	0.00	0.00	0.00	
13,500.00	91.82	269.78	7,129.73	-773.20	-5,310.64	5,362.50	0.00	0.00	0.00	
13,600.00	91.82	269.78	7,126.56	-773.58	-5,410.59	5,461.94	0.00	0.00	0.00	
13,700.00	91.82	269.78	7,123.38	-773.96	-5,510.54	5,561.37	0.00	0.00	0.00	
13,800.00	91.82	269.78	7,120.21	-774.34	-5,610.49	5,660.81	0.00	0.00	0.00	
13,900.00	91.82	269.78	7,117.04	-774.72	-5,710.44	5,760.24	0.00	0.00	0.00	
14,000.00	91.82	269.78	7,113.87	-775.10	-5,810.39	5,859.68	0.00	0.00	0.00	
14,100.00	91.82	269.78	7,110.69	-775.47	-5,910.34	5,959.11	0.00	0.00	0.00	
14,200.00	91.82	269.78	7,107.52	-775.85	-6,010.28	6,058.55	0.00	0.00	0.00	
14,300.00	91.82	269.78	7,104.35	-776.23	-6,110.23	6,157.98	0.00	0.00	0.00	
14,400.00	91.82	269.78	7,101.17	-776.61	-6,210.18	6,257.42	0.00	0.00	0.00	
14,500.00	91.82	269.78	7,098.00	-776.99	-6,310.13	6,356.85	0.00	0.00	0.00	
14,600.00	91.82	269.78	7,094.83	-777.37	-6,410.08	6,456.29	0.00	0.00	0.00	
14,700.00	91.82	269.78	7,091.66	-777.75	-6,510.03	6,555.72	0.00	0.00	0.00	
14,800.00	91.82	269.78	7,088.48	-778.13	-6,609.98	6,655.16	0.00	0.00	0.00	
14,900.00	91.82	269.78	7,085.31	-778.51	-6,709.93	6,754.59	0.00	0.00	0.00	
15,000.00	91.82	269.78	7,082.14	-778.89	-6,809.88	6,854.02	0.00	0.00	0.00	

Hewlett-Packard

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well VOLT 34C-6-M
Company:	SRC ENERGY	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Project:	WELD COUNTY (NAD83, TRUE NORTH)	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site:	5N-66W-05 VOLT 19-5 PAD	North Reference:	True
Well:	VOLT 34C-6-M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)	
15,100.00	91.82	269.78	7,078.97	-779.27	-6,909.83	6,953.46	0.00	0.00	0.00	
15,200.00	91.82	269.78	7,075.79	-779.65	-7,009.77	7,052.89	0.00	0.00	0.00	
15,300.00	91.82	269.78	7,072.62	-780.03	-7,109.72	7,152.33	0.00	0.00	0.00	
15,400.00	91.82	269.78	7,069.45	-780.41	-7,209.67	7,251.76	0.00	0.00	0.00	
15,477.13	91.82	269.78	7,067.00	-780.70	-7,286.76	7,328.46	0.00	0.00	0.00	
Bottom of Production @ 15477.13ft										
15,500.00	91.82	269.78	7,066.27	-780.79	-7,309.62	7,351.20	0.00	0.00	0.00	
15,577.13	91.82	269.78	7,063.83	-781.08	-7,386.71	7,427.89	0.00	0.00	0.00	
TD Well @ 15577.13ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,823.45	1,800.00	9 5/8"	9-5/8	13-1/2	
7,818.06	7,310.00	Production Zone Top	5-1/2	8-1/2	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
250.00	250.00	0.00	0.00	Begin Nudge @ 250.00ft	
818.50	814.78	-30.79	47.05	Hold Tangent @ 818.50ft	
6,692.75	6,573.74	-664.90	1,016.08	KOP @ 6692.75ft :: DLS = 9°/100'	
7,818.06	7,310.00	-751.63	368.39	End Build @ 7818.06ft	
15,477.13	7,067.00	-780.70	-7,286.76	Bottom of Production @ 15477.13ft	
15,577.13	7,063.83	-781.08	-7,386.71	TD Well @ 15577.13ft	