

# **SRC ENERGY**

**WELD COUNTY (NAD83, TRUE NORTH)**

**5N-66W-07 BOST FARM 5-7 PAD**

**BOST FARM 31C-11-L**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**28 December, 2017**



# Hewlett-Packard

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BOST FARM 31C-11-L
<b>Company:</b>	SRC ENERGY	<b>TVD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>MD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
<b>Site:</b>	5N-66W-07 BOST FARM 5-7 PAD	<b>North Reference:</b>	True
<b>Well:</b>	BOST FARM 31C-11-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	WELD COUNTY (NAD83, TRUE NORTH)		
<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>	5N-66W-07 BOST FARM 5-7 PAD				
<b>Site Position:</b>		<b>Northing:</b>	1,395,815.76 usft	<b>Latitude:</b>	40.417972
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,187,006.76 usft	<b>Longitude:</b>	-104.828362
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.43 °

<b>Well</b>	BOST FARM 31C-11-L					
<b>Well Position</b>	<b>+N/-S</b>	-139.90 usft	<b>Northing:</b>	1,395,675.86 usft	<b>Latitude:</b>	40.417588
	<b>+E/-W</b>	-1.11 usft	<b>Easting:</b>	3,187,006.71 usft	<b>Longitude:</b>	-104.828366
<b>Position Uncertainty</b>		3.28 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	4,878.00 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	12/18/2017	8.19	66.85	52,336.76345541

<b>Design</b>	Design #1			
<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	268.58

<b>Plan Survey Tool Program</b>	<b>Date</b>	12/28/2017			
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	1,750.00	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV 2 Fixed:v2:crustal field declinatio	
2	1,750.00	17,379.41	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV 2 Fixed:v2:crustal field declinatio	

<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	
558.50	6.17	251.90	557.90	-5.16	-15.77	2.00	2.00	0.00	251.90	
6,620.54	6.17	251.90	6,584.83	-207.57	-635.07	0.00	0.00	0.00	0.00	
7,556.26	90.09	269.74	7,156.00	-229.42	-1,269.23	9.00	8.97	1.91	17.93	
17,379.41	90.09	269.74	7,141.00	-274.37	-11,092.26	0.00	0.00	0.00	0.00	BOST FARM 31C-11-

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## Planning Report

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<b>Company:</b>	SRC ENERGY	<b>TVD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>MD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
<b>Site:</b>	5N-66W-07 BOST FARM 5-7 PAD	<b>North Reference:</b>	True
<b>Well:</b>	BOST FARM 31C-11-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
<b>Begin Nudge @ 250.00ft</b>									
300.00	1.00	251.90	300.00	-0.14	-0.41	0.42	2.00	2.00	0.00
400.00	3.00	251.90	399.93	-1.22	-3.73	3.76	2.00	2.00	0.00
500.00	5.00	251.90	499.68	-3.39	-10.36	10.44	2.00	2.00	0.00
558.50	6.17	251.90	557.90	-5.16	-15.77	15.90	2.00	2.00	0.00
<b>End Nudge @ 558.50ft</b>									
600.00	6.17	251.90	599.16	-6.54	-20.01	20.17	0.00	0.00	0.00
700.00	6.17	251.90	698.58	-9.88	-30.23	30.46	0.00	0.00	0.00
800.00	6.17	251.90	798.01	-13.22	-40.45	40.76	0.00	0.00	0.00
900.00	6.17	251.90	897.43	-16.56	-50.66	51.06	0.00	0.00	0.00
1,000.00	6.17	251.90	996.85	-19.90	-60.88	61.35	0.00	0.00	0.00
1,100.00	6.17	251.90	1,096.27	-23.24	-71.09	71.65	0.00	0.00	0.00
1,200.00	6.17	251.90	1,195.69	-26.58	-81.31	81.94	0.00	0.00	0.00
1,300.00	6.17	251.90	1,295.11	-29.92	-91.53	92.24	0.00	0.00	0.00
1,400.00	6.17	251.90	1,394.53	-33.25	-101.74	102.53	0.00	0.00	0.00
1,500.00	6.17	251.90	1,493.95	-36.59	-111.96	112.83	0.00	0.00	0.00
1,600.00	6.17	251.90	1,593.37	-39.93	-122.17	123.12	0.00	0.00	0.00
1,700.00	6.17	251.90	1,692.79	-43.27	-132.39	133.42	0.00	0.00	0.00
1,757.54	6.17	251.90	1,750.00	-45.19	-138.27	139.34	0.00	0.00	0.00
<b>9 5/8"</b>									
1,800.00	6.17	251.90	1,792.21	-46.61	-142.61	143.71	0.00	0.00	0.00
1,900.00	6.17	251.90	1,891.63	-49.95	-152.82	154.01	0.00	0.00	0.00
2,000.00	6.17	251.90	1,991.05	-53.29	-163.04	164.31	0.00	0.00	0.00
2,100.00	6.17	251.90	2,090.47	-56.63	-173.25	174.60	0.00	0.00	0.00
2,200.00	6.17	251.90	2,189.90	-59.97	-183.47	184.90	0.00	0.00	0.00
2,300.00	6.17	251.90	2,289.32	-63.31	-193.69	195.19	0.00	0.00	0.00
2,400.00	6.17	251.90	2,388.74	-66.65	-203.90	205.49	0.00	0.00	0.00
2,500.00	6.17	251.90	2,488.16	-69.98	-214.12	215.78	0.00	0.00	0.00
2,600.00	6.17	251.90	2,587.58	-73.32	-224.33	226.08	0.00	0.00	0.00
2,700.00	6.17	251.90	2,687.00	-76.66	-234.55	236.37	0.00	0.00	0.00
2,800.00	6.17	251.90	2,786.42	-80.00	-244.77	246.67	0.00	0.00	0.00
2,900.00	6.17	251.90	2,885.84	-83.34	-254.98	256.96	0.00	0.00	0.00
3,000.00	6.17	251.90	2,985.26	-86.68	-265.20	267.26	0.00	0.00	0.00
3,100.00	6.17	251.90	3,084.68	-90.02	-275.41	277.56	0.00	0.00	0.00
3,200.00	6.17	251.90	3,184.10	-93.36	-285.63	287.85	0.00	0.00	0.00
3,300.00	6.17	251.90	3,283.52	-96.70	-295.85	298.15	0.00	0.00	0.00
3,400.00	6.17	251.90	3,382.94	-100.04	-306.06	308.44	0.00	0.00	0.00
3,500.00	6.17	251.90	3,482.37	-103.38	-316.28	318.74	0.00	0.00	0.00
3,600.00	6.17	251.90	3,581.79	-106.71	-326.49	329.03	0.00	0.00	0.00
3,700.00	6.17	251.90	3,681.21	-110.05	-336.71	339.33	0.00	0.00	0.00
3,800.00	6.17	251.90	3,780.63	-113.39	-346.93	349.62	0.00	0.00	0.00
3,900.00	6.17	251.90	3,880.05	-116.73	-357.14	359.92	0.00	0.00	0.00
4,000.00	6.17	251.90	3,979.47	-120.07	-367.36	370.21	0.00	0.00	0.00
4,100.00	6.17	251.90	4,078.89	-123.41	-377.57	380.51	0.00	0.00	0.00
4,200.00	6.17	251.90	4,178.31	-126.75	-387.79	390.81	0.00	0.00	0.00
4,300.00	6.17	251.90	4,277.73	-130.09	-398.01	401.10	0.00	0.00	0.00
4,400.00	6.17	251.90	4,377.15	-133.43	-408.22	411.40	0.00	0.00	0.00
4,500.00	6.17	251.90	4,476.57	-136.77	-418.44	421.69	0.00	0.00	0.00
4,600.00	6.17	251.90	4,575.99	-140.11	-428.65	431.99	0.00	0.00	0.00

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<b>Well:</b>	BOST FARM 31C-11-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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	6.17	251.90	4,675.41	-143.44	-438.87	442.28	0.00	0.00	0.00
4,800.00	6.17	251.90	4,774.83	-146.78	-449.09	452.58	0.00	0.00	0.00
4,900.00	6.17	251.90	4,874.26	-150.12	-459.30	462.87	0.00	0.00	0.00
5,000.00	6.17	251.90	4,973.68	-153.46	-469.52	473.17	0.00	0.00	0.00
5,100.00	6.17	251.90	5,073.10	-156.80	-479.73	483.47	0.00	0.00	0.00
5,200.00	6.17	251.90	5,172.52	-160.14	-489.95	493.76	0.00	0.00	0.00
5,300.00	6.17	251.90	5,271.94	-163.48	-500.17	504.06	0.00	0.00	0.00
5,400.00	6.17	251.90	5,371.36	-166.82	-510.38	514.35	0.00	0.00	0.00
5,500.00	6.17	251.90	5,470.78	-170.16	-520.60	524.65	0.00	0.00	0.00
5,600.00	6.17	251.90	5,570.20	-173.50	-530.81	534.94	0.00	0.00	0.00
5,700.00	6.17	251.90	5,669.62	-176.84	-541.03	545.24	0.00	0.00	0.00
5,800.00	6.17	251.90	5,769.04	-180.18	-551.25	555.53	0.00	0.00	0.00
5,900.00	6.17	251.90	5,868.46	-183.51	-561.46	565.83	0.00	0.00	0.00
6,000.00	6.17	251.90	5,967.88	-186.85	-571.68	576.12	0.00	0.00	0.00
6,100.00	6.17	251.90	6,067.30	-190.19	-581.89	586.42	0.00	0.00	0.00
6,200.00	6.17	251.90	6,166.73	-193.53	-592.11	596.72	0.00	0.00	0.00
6,300.00	6.17	251.90	6,266.15	-196.87	-602.33	607.01	0.00	0.00	0.00
6,400.00	6.17	251.90	6,365.57	-200.21	-612.54	617.31	0.00	0.00	0.00
6,500.00	6.17	251.90	6,464.99	-203.55	-622.76	627.60	0.00	0.00	0.00
6,600.00	6.17	251.90	6,564.41	-206.89	-632.97	637.90	0.00	0.00	0.00
6,620.54	6.17	251.90	6,584.83	-207.57	-635.07	640.01	0.00	0.00	0.00
<b>KOP @ 6620.54ft :: DLS = 9°/100'</b>									
6,650.00	8.73	257.28	6,614.04	-208.56	-638.76	643.72	9.00	8.69	18.28
6,700.00	13.16	261.59	6,663.12	-210.23	-648.10	653.10	9.00	8.86	8.62
6,750.00	17.62	263.75	6,711.31	-211.88	-661.26	666.29	9.00	8.93	4.32
6,800.00	22.10	265.06	6,758.33	-213.52	-678.16	683.23	9.00	8.96	2.61
6,850.00	26.59	265.94	6,803.87	-215.12	-698.70	703.81	9.00	8.97	1.77
6,900.00	31.08	266.59	6,847.66	-216.68	-722.76	727.89	9.00	8.98	1.29
6,950.00	35.57	267.08	6,889.43	-218.19	-750.18	755.34	9.00	8.98	0.99
7,000.00	40.06	267.48	6,928.92	-219.64	-780.79	785.98	9.00	8.99	0.79
7,050.00	44.56	267.81	6,965.89	-221.02	-814.41	819.62	9.00	8.99	0.66
7,100.00	49.05	268.09	7,000.10	-222.32	-850.83	856.06	9.00	8.99	0.56
7,150.00	53.55	268.33	7,031.36	-223.54	-889.82	895.07	9.00	8.99	0.49
7,200.00	58.04	268.55	7,059.46	-224.66	-931.14	936.41	9.00	8.99	0.44
7,250.00	62.54	268.75	7,084.23	-225.68	-974.55	979.83	9.00	8.99	0.40
7,300.00	67.04	268.93	7,105.52	-226.59	-1,019.76	1,025.06	9.00	8.99	0.36
7,350.00	71.53	269.10	7,123.20	-227.40	-1,066.51	1,071.81	9.00	8.99	0.34
7,400.00	76.03	269.26	7,137.16	-228.08	-1,114.51	1,119.81	9.00	8.99	0.32
7,450.00	80.53	269.42	7,147.32	-228.64	-1,163.45	1,168.75	9.00	8.99	0.31
7,500.00	85.03	269.57	7,153.60	-229.08	-1,213.04	1,218.33	9.00	8.99	0.30
7,550.00	89.52	269.72	7,155.98	-229.39	-1,262.97	1,268.25	9.00	9.00	0.30
7,556.26	90.09	269.74	7,156.00	-229.42	-1,269.23	1,274.51	9.00	9.00	0.30
<b>End Build @ 7556.26ft - 5 1/2"</b>									
7,600.00	90.09	269.74	7,155.93	-229.62	-1,312.97	1,318.24	0.00	0.00	0.00
7,700.00	90.09	269.74	7,155.78	-230.08	-1,412.97	1,418.22	0.00	0.00	0.00
7,800.00	90.09	269.74	7,155.63	-230.53	-1,512.96	1,518.20	0.00	0.00	0.00
7,900.00	90.09	269.74	7,155.48	-230.99	-1,612.96	1,618.18	0.00	0.00	0.00
8,000.00	90.09	269.74	7,155.32	-231.45	-1,712.96	1,718.16	0.00	0.00	0.00
8,100.00	90.09	269.74	7,155.17	-231.91	-1,812.96	1,818.14	0.00	0.00	0.00
8,200.00	90.09	269.74	7,155.02	-232.36	-1,912.96	1,918.12	0.00	0.00	0.00
8,300.00	90.09	269.74	7,154.86	-232.82	-2,012.96	2,018.10	0.00	0.00	0.00
8,400.00	90.09	269.74	7,154.71	-233.28	-2,112.96	2,118.08	0.00	0.00	0.00
8,500.00	90.09	269.74	7,154.56	-233.74	-2,212.96	2,218.06	0.00	0.00	0.00
8,600.00	90.09	269.74	7,154.41	-234.20	-2,312.95	2,318.04	0.00	0.00	0.00

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## Planning Report

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<b>Company:</b>	SRC ENERGY	<b>TVD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
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<b>Site:</b>	5N-66W-07 BOST FARM 5-7 PAD	<b>North Reference:</b>	True
<b>Well:</b>	BOST FARM 31C-11-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)
8,700.00	90.09	269.74	7,154.25	-234.65	-2,412.95	2,418.02	0.00	0.00	0.00
8,800.00	90.09	269.74	7,154.10	-235.11	-2,512.95	2,518.00	0.00	0.00	0.00
8,900.00	90.09	269.74	7,153.95	-235.57	-2,612.95	2,617.98	0.00	0.00	0.00
9,000.00	90.09	269.74	7,153.80	-236.03	-2,712.95	2,717.96	0.00	0.00	0.00
9,100.00	90.09	269.74	7,153.64	-236.48	-2,812.95	2,817.94	0.00	0.00	0.00
9,200.00	90.09	269.74	7,153.49	-236.94	-2,912.95	2,917.92	0.00	0.00	0.00
9,300.00	90.09	269.74	7,153.34	-237.40	-3,012.95	3,017.90	0.00	0.00	0.00
9,400.00	90.09	269.74	7,153.18	-237.86	-3,112.95	3,117.88	0.00	0.00	0.00
9,500.00	90.09	269.74	7,153.03	-238.31	-3,212.94	3,217.85	0.00	0.00	0.00
9,600.00	90.09	269.74	7,152.88	-238.77	-3,312.94	3,317.83	0.00	0.00	0.00
9,700.00	90.09	269.74	7,152.73	-239.23	-3,412.94	3,417.81	0.00	0.00	0.00
9,800.00	90.09	269.74	7,152.57	-239.69	-3,512.94	3,517.79	0.00	0.00	0.00
9,900.00	90.09	269.74	7,152.42	-240.14	-3,612.94	3,617.77	0.00	0.00	0.00
10,000.00	90.09	269.74	7,152.27	-240.60	-3,712.94	3,717.75	0.00	0.00	0.00
10,100.00	90.09	269.74	7,152.12	-241.06	-3,812.94	3,817.73	0.00	0.00	0.00
10,200.00	90.09	269.74	7,151.96	-241.52	-3,912.94	3,917.71	0.00	0.00	0.00
10,300.00	90.09	269.74	7,151.81	-241.97	-4,012.94	4,017.69	0.00	0.00	0.00
10,400.00	90.09	269.74	7,151.66	-242.43	-4,112.93	4,117.67	0.00	0.00	0.00
10,500.00	90.09	269.74	7,151.51	-242.89	-4,212.93	4,217.65	0.00	0.00	0.00
10,600.00	90.09	269.74	7,151.35	-243.35	-4,312.93	4,317.63	0.00	0.00	0.00
10,700.00	90.09	269.74	7,151.20	-243.80	-4,412.93	4,417.61	0.00	0.00	0.00
10,800.00	90.09	269.74	7,151.05	-244.26	-4,512.93	4,517.59	0.00	0.00	0.00
10,900.00	90.09	269.74	7,150.89	-244.72	-4,612.93	4,617.57	0.00	0.00	0.00
11,000.00	90.09	269.74	7,150.74	-245.18	-4,712.93	4,717.55	0.00	0.00	0.00
11,100.00	90.09	269.74	7,150.59	-245.63	-4,812.93	4,817.53	0.00	0.00	0.00
11,200.00	90.09	269.74	7,150.44	-246.09	-4,912.92	4,917.51	0.00	0.00	0.00
11,300.00	90.09	269.74	7,150.28	-246.55	-5,012.92	5,017.49	0.00	0.00	0.00
11,400.00	90.09	269.74	7,150.13	-247.01	-5,112.92	5,117.47	0.00	0.00	0.00
11,500.00	90.09	269.74	7,149.98	-247.46	-5,212.92	5,217.45	0.00	0.00	0.00
11,600.00	90.09	269.74	7,149.83	-247.92	-5,312.92	5,317.43	0.00	0.00	0.00
11,700.00	90.09	269.74	7,149.67	-248.38	-5,412.92	5,417.41	0.00	0.00	0.00
11,800.00	90.09	269.74	7,149.52	-248.84	-5,512.92	5,517.39	0.00	0.00	0.00
11,900.00	90.09	269.74	7,149.37	-249.29	-5,612.92	5,617.36	0.00	0.00	0.00
12,000.00	90.09	269.74	7,149.21	-249.75	-5,712.92	5,717.34	0.00	0.00	0.00
12,100.00	90.09	269.74	7,149.06	-250.21	-5,812.91	5,817.32	0.00	0.00	0.00
12,200.00	90.09	269.74	7,148.91	-250.67	-5,912.91	5,917.30	0.00	0.00	0.00
12,300.00	90.09	269.74	7,148.76	-251.13	-6,012.91	6,017.28	0.00	0.00	0.00
12,400.00	90.09	269.74	7,148.60	-251.58	-6,112.91	6,117.26	0.00	0.00	0.00
12,500.00	90.09	269.74	7,148.45	-252.04	-6,212.91	6,217.24	0.00	0.00	0.00
12,600.00	90.09	269.74	7,148.30	-252.50	-6,312.91	6,317.22	0.00	0.00	0.00
12,700.00	90.09	269.74	7,148.15	-252.96	-6,412.91	6,417.20	0.00	0.00	0.00
12,800.00	90.09	269.74	7,147.99	-253.41	-6,512.91	6,517.18	0.00	0.00	0.00
12,900.00	90.09	269.74	7,147.84	-253.87	-6,612.90	6,617.16	0.00	0.00	0.00
13,000.00	90.09	269.74	7,147.69	-254.33	-6,712.90	6,717.14	0.00	0.00	0.00
13,100.00	90.09	269.74	7,147.53	-254.79	-6,812.90	6,817.12	0.00	0.00	0.00
13,200.00	90.09	269.74	7,147.38	-255.24	-6,912.90	6,917.10	0.00	0.00	0.00
13,300.00	90.09	269.74	7,147.23	-255.70	-7,012.90	7,017.08	0.00	0.00	0.00
13,400.00	90.09	269.74	7,147.08	-256.16	-7,112.90	7,117.06	0.00	0.00	0.00
13,500.00	90.09	269.74	7,146.92	-256.62	-7,212.90	7,217.04	0.00	0.00	0.00
13,600.00	90.09	269.74	7,146.77	-257.07	-7,312.90	7,317.02	0.00	0.00	0.00
13,700.00	90.09	269.74	7,146.62	-257.53	-7,412.90	7,417.00	0.00	0.00	0.00
13,800.00	90.09	269.74	7,146.47	-257.99	-7,512.89	7,516.98	0.00	0.00	0.00
13,900.00	90.09	269.74	7,146.31	-258.45	-7,612.89	7,616.96	0.00	0.00	0.00
14,000.00	90.09	269.74	7,146.16	-258.90	-7,712.89	7,716.94	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 BOST FARM 31C-11-L
<b>Company:</b>	SRC ENERGY	<b>TVD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>MD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
<b>Site:</b>	5N-66W-07 BOST FARM 5-7 PAD	<b>North Reference:</b>	True
<b>Well:</b>	BOST FARM 31C-11-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)	
14,100.00	90.09	269.74	7,146.01	-259.36	-7,812.89	7,816.92	0.00	0.00	0.00	
14,200.00	90.09	269.74	7,145.86	-259.82	-7,912.89	7,916.89	0.00	0.00	0.00	
14,300.00	90.09	269.74	7,145.70	-260.28	-8,012.89	8,016.87	0.00	0.00	0.00	
14,400.00	90.09	269.74	7,145.55	-260.73	-8,112.89	8,116.85	0.00	0.00	0.00	
14,500.00	90.09	269.74	7,145.40	-261.19	-8,212.89	8,216.83	0.00	0.00	0.00	
14,600.00	90.09	269.74	7,145.24	-261.65	-8,312.89	8,316.81	0.00	0.00	0.00	
14,700.00	90.09	269.74	7,145.09	-262.11	-8,412.88	8,416.79	0.00	0.00	0.00	
14,800.00	90.09	269.74	7,144.94	-262.56	-8,512.88	8,516.77	0.00	0.00	0.00	
14,900.00	90.09	269.74	7,144.79	-263.02	-8,612.88	8,616.75	0.00	0.00	0.00	
15,000.00	90.09	269.74	7,144.63	-263.48	-8,712.88	8,716.73	0.00	0.00	0.00	
15,100.00	90.09	269.74	7,144.48	-263.94	-8,812.88	8,816.71	0.00	0.00	0.00	
15,200.00	90.09	269.74	7,144.33	-264.39	-8,912.88	8,916.69	0.00	0.00	0.00	
15,300.00	90.09	269.74	7,144.18	-264.85	-9,012.88	9,016.67	0.00	0.00	0.00	
15,400.00	90.09	269.74	7,144.02	-265.31	-9,112.88	9,116.65	0.00	0.00	0.00	
15,500.00	90.09	269.74	7,143.87	-265.77	-9,212.87	9,216.63	0.00	0.00	0.00	
15,600.00	90.09	269.74	7,143.72	-266.22	-9,312.87	9,316.61	0.00	0.00	0.00	
15,700.00	90.09	269.74	7,143.56	-266.68	-9,412.87	9,416.59	0.00	0.00	0.00	
15,800.00	90.09	269.74	7,143.41	-267.14	-9,512.87	9,516.57	0.00	0.00	0.00	
15,900.00	90.09	269.74	7,143.26	-267.60	-9,612.87	9,616.55	0.00	0.00	0.00	
16,000.00	90.09	269.74	7,143.11	-268.06	-9,712.87	9,716.53	0.00	0.00	0.00	
16,100.00	90.09	269.74	7,142.95	-268.51	-9,812.87	9,816.51	0.00	0.00	0.00	
16,200.00	90.09	269.74	7,142.80	-268.97	-9,912.87	9,916.49	0.00	0.00	0.00	
16,300.00	90.09	269.74	7,142.65	-269.43	-10,012.87	10,016.47	0.00	0.00	0.00	
16,400.00	90.09	269.74	7,142.50	-269.89	-10,112.86	10,116.45	0.00	0.00	0.00	
16,500.00	90.09	269.74	7,142.34	-270.34	-10,212.86	10,216.43	0.00	0.00	0.00	
16,600.00	90.09	269.74	7,142.19	-270.80	-10,312.86	10,316.40	0.00	0.00	0.00	
16,700.00	90.09	269.74	7,142.04	-271.26	-10,412.86	10,416.38	0.00	0.00	0.00	
16,800.00	90.09	269.74	7,141.88	-271.72	-10,512.86	10,516.36	0.00	0.00	0.00	
16,900.00	90.09	269.74	7,141.73	-272.17	-10,612.86	10,616.34	0.00	0.00	0.00	
17,000.00	90.09	269.74	7,141.58	-272.63	-10,712.86	10,716.32	0.00	0.00	0.00	
17,100.00	90.09	269.74	7,141.43	-273.09	-10,812.86	10,816.30	0.00	0.00	0.00	
17,200.00	90.09	269.74	7,141.27	-273.55	-10,912.86	10,916.28	0.00	0.00	0.00	
17,300.00	90.09	269.74	7,141.12	-274.00	-11,012.85	11,016.26	0.00	0.00	0.00	
17,379.41	90.09	269.74	7,141.00	-274.37	-11,092.26	11,095.66	0.00	0.00	0.00	
<b>TD Well @ 17379.41ft</b>										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)		Name	Casing Diameter (")	Hole Diameter (")
1,757.54	1,750.00	9 5/8"		9-5/8	13-1/2
7,556.26	7,156.00	5 1/2"		5-1/2	8-1/2

# Hewlett-Packard

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BOST FARM 31C-11-L
<b>Company:</b>	SRC ENERGY	<b>TVD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>MD Reference:</b>	RKB = 20' @ 4898.00usft (PD 462)
<b>Site:</b>	5N-66W-07 BOST FARM 5-7 PAD	<b>North Reference:</b>	True
<b>Well:</b>	BOST FARM 31C-11-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

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 Nudge @ 250.00ft
558.50	557.90	-5.16	-15.77	End Nudge @ 558.50ft
6,620.54	6,584.83	-207.57	-635.07	KOP @ 6620.54ft :: DLS = 9°/100'
7,556.26	7,156.00	-229.42	-1,269.23	End Build @ 7556.26ft
17,379.41	7,141.00	-274.37	-11,092.26	TD Well @ 17379.41ft