

# **SRC ENERGY**

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

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

**VOLT 11N-3C-L**

**Wellbore #1**

**Design #1**

## **Anticollision Report**

**18 November, 2018**

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference	Design #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 2,500.00 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	11/18/2018	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	1,800.00	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV ; Fixed:v2:crustal field declination	
1,800.00	18,156.36	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV ; Fixed:v2:Rockies, crustal dec + 3-axis correction	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
Offset Well - Wellbore - Design	Depth (usft)	Depth (usft)	Between Centres (usft)	Between Ellipses (usft)		
5N-66W-04 Offsets Incomplete						
DUKE J 4-11 - SRCI PR Well - Actual VES Surveys (Grid	12,168.40	7,405.80	96.77	-20.57	0.825	Level 1, CC, ES, SF
DUKE J 4-12 - SRCI PR Well - Actual VES Surveys (Grid	10,813.62	7,195.01	118.44	28.53	1.317	Level 3, CC, ES, SF
DUKE J 4-13 - SRCI PR Well - Actual VES Surveys (Grid	10,878.28	7,289.75	1,331.71	1,240.48	14.598	CC
DUKE J 4-13 - SRCI PR Well - Actual VES Surveys (Grid	10,900.00	7,290.05	1,331.89	1,240.39	14.557	ES
DUKE J 4-13 - SRCI PR Well - Actual VES Surveys (Grid	11,000.00	7,291.43	1,337.26	1,244.75	14.456	SF
DUKE J 4-14 - SRCI P&A Well - Actual VES Surveys (Gr	12,215.10	7,449.88	1,356.96	1,239.32	11.535	CC, ES
DUKE J 4-14 - SRCI P&A Well - Actual VES Surveys (Gr	12,300.00	7,450.04	1,359.61	1,240.89	11.452	SF
DUKE J 4-25 - SRCI PR Well - Actual VES Surveys (Grid	11,606.66	7,301.25	712.17	608.03	6.839	CC, ES, SF
DUKE J 4-33 - SRCI SI Well - Actual VES Surveys (Grid	10,116.01	7,177.67	612.65	534.08	7.797	CC, ES, SF
Duke USX J 05-16 - SRCI P&A Well - Actual VES Survey	9,566.79	7,340.82	1,324.05	1,251.97	18.369	CC, ES
Duke USX J 05-16 - SRCI P&A Well - Actual VES Survey	9,700.00	7,340.29	1,332.44	1,259.38	18.236	SF
DUKE USX J 5-9 - SRCI PR Well - Actual VES Surveys	9,495.73	7,314.71	89.58	18.85	1.266	Level 3, CC
DUKE USX J 5-9 - SRCI PR Well - Actual VES Surveys	9,500.00	7,314.69	89.68	18.69	1.263	Level 3, ES, SF
SRC Northridge 4KD - SRCI P&A Well - Actual VES Surv	11,750.64	7,339.03	894.12	781.36	7.930	CC, ES
SRC Northridge 4KD - SRCI P&A Well - Actual VES Surv	11,900.00	7,339.67	906.51	791.24	7.864	SF
5N-66W-05 Offsets Incomplete						
BOOMERANG 28C-3-L - SRC Energy PR Well - Actual B	7,729.38	7,595.89	976.41	926.94	19.737	CC
BOOMERANG 28C-3-L - SRC Energy PR Well - Actual B	18,156.36	17,987.19	988.94	480.38	1.945	ES, SF
BOOMERANG 34N-6C-M - SRC PR Well - Actual BHI S	7,300.00	7,810.35	941.58	889.46	18.066	SF
BOOMERANG 34N-6C-M - SRC PR Well - Actual BHI S	7,429.24	7,710.65	936.32	885.10	18.281	CC, ES
PSC J 5-11 - Noble Energy SI Well - Actual VES Surveys	5,994.78	5,815.01	48.33	16.10	1.500	Level 3, CC, ES, SF
WIEDEMAN 22-5 - Noble Energy PR Well - Actual Coret	6,525.90	6,578.55	1,165.88	1,121.94	26.535	CC, ES
WIEDEMAN 22-5 - Noble Energy PR Well - Actual Coret	7,100.00	7,126.42	1,214.70	1,167.66	25.824	SF
WIEDEMAN 25-5 - Noble Energy PR Well - Actual Coret	7,609.56	7,512.70	866.71	815.22	16.834	CC, ES
WIEDEMAN 25-5 - Noble Energy PR Well - Actual Coret	7,700.00	7,528.72	872.38	820.03	16.666	SF

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
5N-66W-05 VOLT 19-5 PAD						
VOLT 11C-3-L - Wellbore #1 - Design #1	523.88	522.56	18.42	10.42	2.304	CC
VOLT 11C-3-L - Wellbore #1 - Design #1	18,138.70	18,216.71	298.96	-70.69	0.809	Level 1, ES, SF
VOLT 11N-3B-L - Wellbore #1 - Design #1	765.69	767.98	16.58	7.92	1.915	CC
VOLT 11N-3B-L - Wellbore #1 - Design #1	18,156.36	18,083.73	222.39	-157.06	0.586	Level 1, ES, SF
VOLT 12N-6A-M - Wellbore #1 - Design #1	7,159.89	7,660.39	290.62	247.03	6.666	CC, ES, SF
VOLT 12N-6B-M - Wellbore #1 - Design #1	7,401.74	7,656.03	107.45	62.11	2.370	CC, ES, SF
VOLT 12N-6C-M - Wellbore #1 - Design #1	7,616.67	7,568.62	82.95	35.49	1.748	CC, ES, SF
VOLT 13C-6-M - Wellbore #1 - Design #1	7,839.87	7,306.67	981.27	933.21	20.415	CC, ES
VOLT 13C-6-M - Wellbore #1 - Design #1	8,000.00	7,209.42	988.34	939.22	20.119	SF
VOLT 13N-6B-M - Wellbore #1 - Design #1	7,255.21	7,649.01	1,039.22	996.25	24.182	CC, ES
VOLT 13N-6B-M - Wellbore #1 - Design #1	7,900.00	7,158.16	1,062.08	1,015.20	22.655	SF
VOLT 13N-6C-M - Wellbore #1 - Design #1	1,635.27	1,422.76	1,101.94	1,089.69	89.962	CC
VOLT 13N-6C-M - Wellbore #1 - Design #1	1,800.00	1,583.82	1,102.48	1,089.24	83.213	ES
VOLT 13N-6C-M - Wellbore #1 - Design #1	8,100.00	7,063.99	1,403.40	1,353.92	28.367	SF
VOLT 14C-3-L - Wellbore #1 - Design #1	940.23	932.49	57.64	48.35	6.208	CC, ES
VOLT 14C-3-L - Wellbore #1 - Design #1	18,100.00	18,187.14	888.36	502.93	2.305	SF
VOLT 14N-3B-L - Wellbore #1 - Design #1	200.00	201.00	120.00	112.43	15.843	CC, ES
VOLT 14N-3B-L - Wellbore #1 - Design #1	18,100.00	17,993.68	1,029.72	645.24	2.678	SF
VOLT 14N-3C-L - Wellbore #1 - Design #1	200.00	198.00	140.04	132.47	18.492	CC, ES
VOLT 14N-3C-L - Wellbore #1 - Design #1	18,100.00	18,060.31	1,289.53	904.49	3.349	SF
VOLT 23N-3A-L - Wellbore #1 - Design #1	873.49	867.81	45.86	36.83	5.082	CC, ES
VOLT 23N-3A-L - Wellbore #1 - Design #1	18,100.00	17,886.97	861.67	484.11	2.282	SF
VOLT 23N-3B-L - Wellbore #1 - Design #1	200.00	200.00	40.09	32.52	5.294	CC, ES
VOLT 23N-3B-L - Wellbore #1 - Design #1	18,100.00	18,013.43	434.65	52.17	1.136	Level 2, SF
VOLT 23N-3C-L - Wellbore #1 - Design #1	288.06	287.50	59.55	51.90	7.785	CC, ES
VOLT 23N-3C-L - Wellbore #1 - Design #1	18,100.00	18,083.40	645.99	259.18	1.670	SF
VOLT 25C-3-L - Wellbore #1 - Design #1	200.00	201.00	40.09	32.52	5.293	CC
VOLT 25C-3-L - Wellbore #1 - Design #1	200.07	201.07	40.09	32.52	5.293	ES
VOLT 25C-3-L - Wellbore #1 - Design #1	18,156.36	18,247.28	421.44	46.02	1.123	Level 2, SF
VOLT 25N-3A-L - Wellbore #1 - Design #1	708.60	716.58	55.42	46.95	6.546	CC
VOLT 25N-3A-L - Wellbore #1 - Design #1	800.00	808.97	55.62	46.85	6.338	ES
VOLT 25N-3A-L - Wellbore #1 - Design #1	18,156.36	17,981.85	496.24	127.61	1.346	Level 3, SF
VOLT 25N-3C-L - Wellbore #1 - Design #1	200.00	201.00	79.90	72.33	10.550	CC
VOLT 25N-3C-L - Wellbore #1 - Design #1	300.00	301.73	79.97	72.31	10.435	ES
VOLT 25N-3C-L - Wellbore #1 - Design #1	18,156.36	18,201.09	643.67	253.84	1.651	SF
VOLT 32C-6-M - Wellbore #1 - Design #1	7,814.33	7,458.55	287.99	237.97	5.758	CC, ES
VOLT 32C-6-M - Wellbore #1 - Design #1	7,900.00	7,386.91	291.37	240.23	5.698	SF
VOLT 32N-6A-M - Wellbore #1 - Design #1	7,240.95	7,748.43	361.74	315.63	7.844	CC, ES
VOLT 32N-6A-M - Wellbore #1 - Design #1	7,300.00	7,704.23	363.97	317.55	7.841	SF
VOLT 32N-6B-M - Wellbore #1 - Design #1	7,484.65	7,718.16	506.10	458.23	10.573	CC
VOLT 32N-6B-M - Wellbore #1 - Design #1	7,500.00	7,703.84	506.14	458.15	10.547	ES
VOLT 32N-6B-M - Wellbore #1 - Design #1	7,900.00	7,339.59	523.20	471.92	10.203	SF
VOLT 33C-6-M - Wellbore #1 - Design #1	7,800.00	7,381.26	525.88	478.20	11.030	CC, ES, SF
VOLT 33N-6A-M - Wellbore #1 - Design #1	7,079.07	7,636.49	857.03	814.73	20.264	CC, ES
VOLT 33N-6A-M - Wellbore #1 - Design #1	7,200.00	7,564.46	862.11	819.49	20.231	SF
VOLT 33N-6C-M - Wellbore #1 - Design #1	7,531.85	7,509.05	642.41	597.41	14.276	CC, ES
VOLT 33N-6C-M - Wellbore #1 - Design #1	7,800.00	7,298.50	650.08	603.80	14.047	SF
VOLT 34C-6-M - Wellbore #1 - Design #1	1,367.34	1,163.22	1,062.55	1,051.74	98.296	CC
VOLT 34C-6-M - Wellbore #1 - Design #1	1,500.00	1,308.36	1,063.07	1,051.48	91.715	ES
VOLT 34C-6-M - Wellbore #1 - Design #1	8,300.00	7,000.00	1,700.56	1,648.13	32.433	SF
VOLT 34N-6B-M - Wellbore #1 - Design #1	1,462.95	1,252.54	1,093.19	1,081.88	96.636	CC
VOLT 34N-6B-M - Wellbore #1 - Design #1	1,600.00	1,386.13	1,093.62	1,081.52	90.378	ES
VOLT 34N-6B-M - Wellbore #1 - Design #1	8,200.00	6,961.84	1,529.04	1,479.19	30.676	SF

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
5N-66W-05 VOLT 19-5 PAD						
VOLT 34N-6C-M - Wellbore #1 - Design #1	1,177.82	974.26	1,041.97	1,032.13	105.916	CC
VOLT 34N-6C-M - Wellbore #1 - Design #1	1,200.00	1,004.44	1,041.99	1,032.02	104.560	ES
VOLT 34N-6C-M - Wellbore #1 - Design #1	8,500.00	6,900.00	1,944.48	1,890.42	35.966	SF
VOLT 36C-3-L - Wellbore #1 - Design #1	200.00	198.00	179.86	172.29	23.749	CC, ES
VOLT 36C-3-L - Wellbore #1 - Design #1	17,700.00	17,893.49	1,717.14	1,344.23	4.605	SF
VOLT 36N-3A-L - Wellbore #1 - Design #1	200.00	198.00	199.91	192.33	26.396	CC, ES
VOLT 36N-3A-L - Wellbore #1 - Design #1	17,700.00	17,601.54	1,943.49	1,572.43	5.238	SF
VOLT 36N-3B-L - Wellbore #1 - Design #1	200.00	198.00	160.09	152.52	21.139	CC, ES
VOLT 36N-3B-L - Wellbore #1 - Design #1	18,100.00	17,997.31	1,503.89	1,119.75	3.915	SF
5N-66W-07 BOST FARM 5-7 PAD						
BOST FARM 26N-8B-L - Wellbore #1 - Design #1	9,600.00	17,576.30	2,108.67	1,741.67	5.746	CC, ES
BOST FARM 26N-8B-L - Wellbore #1 - Design #1	9,700.00	17,573.34	2,111.94	1,744.19	5.743	SF
5N-66W-08 Offsets Need HZ						
TC MOISER HILL 2-9-11 - XOG PR Well - Actual Total S	10,517.96	7,967.55	2,039.88	1,922.95	17.445	CC
TC MOISER HILL 2-9-11 - XOG PR Well - Actual Total S	17,900.00	17,900.00	2,139.98	1,570.59	3.758	ES, SF
TC MOISER HILL 3-9-11 - Extraction PR Well (Plan Only	10,471.23	7,856.86	2,389.44	2,273.24	20.564	CC
TC MOISER HILL 3-9-11 - Extraction PR Well (Plan Only	18,156.36	15,509.01	2,470.08	1,976.33	5.003	ES, SF

Offset Design										5N-66W-04 Offsets Incomplete - DUKE J 4-11 - SRCI PR Well - Actual VES Surveys (Grid to True)										Offset Site Error:		0.00 usft	
Survey Program:										100-SRC Energy_VESSI GyroFlex V4, 7500-SRC Energy_2° CONE_2.448										Offset Well Error:		3.28 usft	
Reference		Offset		Semi Major Axis				Distance															
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning											
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)												
9,700.00	7,182.01	7,401.04	7,130.78	56.12	21.77	-87.42	996.63	6,328.53	2,470.29	2,430.07	40.22	61.417											
9,800.00	7,181.65	7,401.23	7,130.97	57.67	21.77	-87.53	996.63	6,328.53	2,370.37	2,330.11	40.26	58.875											
9,900.00	7,181.30	7,401.42	7,131.16	59.23	21.77	-87.64	996.63	6,328.53	2,270.46	2,230.16	40.30	56.338											
10,000.00	7,180.94	7,401.62	7,131.36	60.79	21.77	-87.76	996.63	6,328.53	2,170.55	2,130.21	40.34	53.805											
10,100.00	7,180.58	7,401.81	7,131.55	62.36	21.77	-87.87	996.63	6,328.53	2,070.66	2,030.28	40.38	51.278											
10,200.00	7,180.22	7,402.00	7,131.74	63.94	21.77	-87.99	996.63	6,328.53	1,970.77	1,930.35	40.42	48.756											
10,300.00	7,179.86	7,402.19	7,131.94	65.52	21.77	-88.10	996.63	6,328.53	1,870.90	1,830.44	40.46	46.238											
10,400.00	7,179.50	7,402.39	7,132.13	67.10	21.77	-88.21	996.63	6,328.54	1,771.04	1,730.54	40.50	43.725											
10,500.00	7,179.14	7,402.58	7,132.32	68.69	21.77	-88.33	996.63	6,328.54	1,671.20	1,630.65	40.55	41.217											
10,600.00	7,178.78	7,402.77	7,132.51	70.28	21.77	-88.44	996.63	6,328.54	1,571.38	1,530.79	40.59	38.712											
10,700.00	7,178.42	7,402.96	7,132.71	71.87	21.77	-88.55	996.63	6,328.54	1,471.58	1,430.94	40.64	36.211											
10,800.00	7,178.06	7,403.16	7,132.90	73.47	21.77	-88.67	996.63	6,328.54	1,371.81	1,331.12	40.69	33.713											
10,900.00	7,177.70	7,403.35	7,133.09	75.08	21.77	-88.78	996.62	6,328.54	1,272.08	1,231.33	40.75	31.216											
11,000.00	7,177.34	7,403.54	7,133.28	76.68	21.77	-88.90	996.62	6,328.54	1,172.40	1,131.57	40.82	28.719											
11,100.00	7,176.99	7,403.73	7,133.48	78.29	21.77	-89.01	996.62	6,328.54	1,072.77	1,031.85	40.92	26.219											
11,200.00	7,176.63	7,403.93	7,133.67	79.90	21.77	-89.12	996.62	6,328.54	973.22	932.18	41.04	23.715											
11,300.00	7,176.27	7,404.12	7,133.86	81.51	21.77	-89.24	996.62	6,328.54	873.77	832.56	41.21	21.200											
11,400.00	7,175.91	7,404.31	7,134.05	83.13	21.77	-89.35	996.62	6,328.55	774.47	732.99	41.48	18.670											
11,500.00	7,175.55	7,404.50	7,134.25	84.74	21.77	-89.47	996.62	6,328.55	675.37	633.46	41.91	16.116											
11,600.00	7,175.19	7,404.70	7,134.44	86.36	21.77	-89.58	996.62	6,328.55	576.58	533.95	42.62	13.527											
11,700.00	7,174.83	7,404.89	7,134.63	87.98	21.77	-89.69	996.62	6,328.55	478.29	434.37	43.91	10.891											
11,800.00	7,174.47	7,405.08	7,134.82	89.61	21.77	-89.81	996.62	6,328.55	380.90	334.48	46.41	8.206											
11,900.00	7,174.11	7,405.27	7,135.02	91.23	21.77	-89.92	996.62	6,328.55	285.31	233.62	51.70	5.519											
12,000.00	7,173.75	7,405.47	7,135.21	92.86	21.77	-90.04	996.62	6,328.55	194.22	130.12	64.10	3.030											
12,100.00	7,173.39	7,405.66	7,135.40	94.49	21.77	-90.15	996.62	6,328.55	118.51	23.99	94.52	1.254 Level 3											

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-04 Offsets Incomplete - DUKE J 4-11 - SRCI PR Well - Actual VES Surveys (Grid to True)												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7500-SRC Energy_2° CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,168.40	7,173.15	7,405.80	7,135.54	95.60	21.78	-90.23	996.61	6,328.56	96.77	-20.57	117.34	0.825	Level 1, CC, ES, SF
12,200.00	7,173.03	7,405.87	7,135.61	96.12	21.78	-90.28	996.61	6,328.56	101.80	-13.74	115.54	0.881	Level 1
12,300.00	7,172.68	7,406.11	7,135.85	97.75	21.78	-90.42	996.61	6,328.56	163.35	77.30	86.05	1.898	
12,400.00	7,172.32	7,406.35	7,136.09	99.38	21.78	-90.56	996.61	6,328.56	251.01	182.49	68.51	3.664	
12,500.00	7,171.96	7,406.59	7,136.33	101.01	21.78	-90.70	996.61	6,328.56	345.43	285.32	60.11	5.746	
12,600.00	7,171.60	7,406.84	7,136.58	102.65	21.78	-90.85	996.61	6,328.56	442.32	386.73	55.59	7.957	
12,700.00	7,171.24	7,407.08	7,136.83	104.28	21.78	-90.99	996.61	6,328.56	540.34	487.44	52.89	10.215	
12,800.00	7,170.88	7,407.34	7,137.08	105.92	21.78	-91.14	996.61	6,328.56	638.97	587.81	51.16	12.489	
12,900.00	7,170.52	7,407.59	7,137.34	107.56	21.78	-91.30	996.61	6,328.57	737.97	687.98	49.99	14.762	
13,000.00	7,170.16	7,407.86	7,137.60	109.20	21.78	-91.45	996.61	6,328.57	837.21	788.05	49.17	17.028	
13,100.00	7,169.80	7,408.12	7,137.86	110.84	21.78	-91.61	996.61	6,328.57	936.61	888.04	48.57	19.284	
13,200.00	7,169.44	7,408.39	7,138.13	112.48	21.78	-91.77	996.60	6,328.57	1,036.13	988.00	48.13	21.528	
13,300.00	7,169.08	7,408.66	7,138.40	114.12	21.78	-91.93	996.60	6,328.57	1,135.73	1,087.93	47.80	23.759	
13,400.00	7,168.72	7,408.94	7,138.68	115.77	21.78	-92.09	996.60	6,328.57	1,235.39	1,187.84	47.56	25.978	
13,500.00	7,168.37	7,409.22	7,138.96	117.41	21.78	-92.26	996.60	6,328.58	1,335.11	1,287.74	47.37	28.183	
13,600.00	7,168.01	7,409.50	7,139.25	119.05	21.78	-92.43	996.60	6,328.58	1,434.86	1,387.63	47.24	30.376	
13,700.00	7,167.65	7,409.79	7,139.54	120.70	21.78	-92.60	996.60	6,328.58	1,534.65	1,487.51	47.14	32.556	
13,800.00	7,167.29	7,410.09	7,139.83	122.35	21.78	-92.77	996.60	6,328.58	1,634.46	1,587.39	47.07	34.723	
13,900.00	7,166.93	7,410.39	7,140.13	123.99	21.78	-92.95	996.60	6,328.58	1,734.30	1,687.27	47.03	36.878	
14,000.00	7,166.57	7,410.69	7,140.43	125.64	21.78	-93.13	996.59	6,328.59	1,834.15	1,787.14	47.01	39.020	
14,100.00	7,166.21	7,411.00	7,140.74	127.29	21.78	-93.31	996.59	6,328.59	1,934.02	1,887.02	47.00	41.149	
14,200.00	7,165.85	7,411.31	7,141.05	128.94	21.78	-93.49	996.59	6,328.59	2,033.90	1,986.89	47.01	43.266	
14,300.00	7,165.49	7,411.63	7,141.37	130.59	21.78	-93.68	996.59	6,328.59	2,133.79	2,086.76	47.03	45.371	
14,400.00	7,165.13	7,411.95	7,141.70	132.24	21.78	-93.87	996.59	6,328.59	2,233.69	2,186.63	47.06	47.463	
14,500.00	7,164.77	7,412.28	7,142.03	133.89	21.78	-94.07	996.59	6,328.60	2,333.60	2,286.50	47.10	49.543	
14,600.00	7,164.41	7,412.62	7,142.36	135.54	21.79	-94.26	996.59	6,328.60	2,433.52	2,386.37	47.15	51.611	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7400-SRC Energy_2° CONE_2.448													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,400.00	7,186.68	7,187.47	7,134.00	37.05	15.86	-87.58	1,009.66	4,973.62	2,413.86	2,375.55	38.32	63.000		
8,500.00	7,186.32	7,187.79	7,134.32	38.42	15.86	-87.69	1,009.66	4,973.62	2,314.11	2,275.80	38.31	60.400		
8,600.00	7,185.96	7,188.11	7,134.64	39.81	15.86	-87.80	1,009.66	4,973.63	2,214.38	2,176.07	38.31	57.801		
8,700.00	7,185.60	7,188.43	7,134.96	41.22	15.86	-87.91	1,009.66	4,973.63	2,114.68	2,076.37	38.31	55.203		
8,800.00	7,185.24	7,188.75	7,135.28	42.65	15.86	-88.02	1,009.65	4,973.63	2,015.01	1,976.70	38.30	52.607		
8,900.00	7,184.89	7,189.07	7,135.60	44.10	15.86	-88.13	1,009.65	4,973.63	1,915.37	1,877.07	38.30	50.011		
9,000.00	7,184.53	7,189.39	7,135.92	45.56	15.86	-88.24	1,009.65	4,973.63	1,815.77	1,777.47	38.30	47.415		
9,100.00	7,184.17	7,189.71	7,136.24	47.04	15.86	-88.35	1,009.65	4,973.64	1,716.22	1,677.92	38.29	44.819		
9,200.00	7,183.81	7,190.03	7,136.56	48.52	15.86	-88.46	1,009.65	4,973.64	1,616.72	1,578.43	38.29	42.222		
9,300.00	7,183.45	7,190.35	7,136.88	50.03	15.86	-88.57	1,009.65	4,973.64	1,517.29	1,479.00	38.29	39.623		
9,400.00	7,183.09	7,190.67	7,137.20	51.54	15.87	-88.68	1,009.65	4,973.64	1,417.94	1,379.64	38.30	37.021		
9,500.00	7,182.73	7,191.00	7,137.52	53.06	15.87	-88.79	1,009.64	4,973.64	1,318.68	1,280.36	38.32	34.413		
9,600.00	7,182.37	7,191.31	7,137.84	54.59	15.87	-88.56	1,009.64	4,973.65	1,219.37	1,181.01	38.36	31.790		
9,700.00	7,182.01	7,191.62	7,138.14	56.12	15.87	-88.61	1,009.64	4,973.65	1,119.89	1,081.48	38.42	29.152		
9,800.00	7,181.65	7,191.92	7,138.45	57.67	15.87	-88.76	1,009.64	4,973.65	1,020.51	982.01	38.50	26.510		
9,900.00	7,181.30	7,192.22	7,138.75	59.23	15.87	-88.91	1,009.64	4,973.65	921.26	882.65	38.61	23.860		
10,000.00	7,180.94	7,192.53	7,139.06	60.79	15.87	-89.05	1,009.64	4,973.65	822.19	783.40	38.79	21.198		
10,100.00	7,180.58	7,192.83	7,139.36	62.36	15.87	-89.20	1,009.64	4,973.66	723.38	684.31	39.07	18.517		
10,200.00	7,180.22	7,193.14	7,139.67	63.94	15.87	-89.35	1,009.63	4,973.66	624.94	585.40	39.54	15.807		
10,300.00	7,179.86	7,193.44	7,139.97	65.52	15.87	-89.50	1,009.63	4,973.66	527.09	486.72	40.37	13.057		
10,400.00	7,179.50	7,193.75	7,140.28	67.10	15.87	-89.64	1,009.63	4,973.66	430.24	388.30	41.94	10.259		
10,500.00	7,179.14	7,194.06	7,140.58	68.69	15.87	-89.79	1,009.63	4,973.66	335.24	290.15	45.09	7.435		
10,600.00	7,178.78	7,194.36	7,140.89	70.28	15.87	-89.94	1,009.63	4,973.67	244.25	192.35	51.91	4.706		
10,700.00	7,178.42	7,194.67	7,141.20	71.87	15.87	-90.09	1,009.63	4,973.67	164.13	97.09	67.04	2.448		
10,800.00	7,178.06	7,194.97	7,141.50	73.47	15.87	-90.24	1,009.63	4,973.67	119.22	30.56	88.66	1.345 Level 3		
10,813.62	7,178.01	7,195.01	7,141.54	73.69	15.87	-90.26	1,009.63	4,973.67	118.44	28.53	89.91	1.317 Level 3, CC, ES, SF		
10,900.00	7,177.70	7,195.28	7,141.81	75.08	15.87	-90.38	1,009.63	4,973.67	146.60	65.20	81.40	1.801		
11,000.00	7,177.34	7,195.59	7,142.11	76.68	15.88	-90.53	1,009.62	4,973.68	220.83	155.00	65.83	3.354		
11,100.00	7,176.99	7,195.89	7,142.42	78.29	15.88	-90.68	1,009.62	4,973.68	309.91	252.74	57.17	5.421		
11,200.00	7,176.63	7,196.20	7,142.73	79.90	15.88	-90.83	1,009.62	4,973.68	404.13	351.67	52.46	7.704		
11,300.00	7,176.27	7,196.50	7,143.03	81.51	15.88	-90.98	1,009.62	4,973.68	500.60	450.91	49.69	10.075		
11,400.00	7,175.91	7,196.81	7,143.34	83.13	15.88	-91.12	1,009.62	4,973.68	598.22	550.29	47.93	12.481		
11,500.00	7,175.55	7,197.12	7,143.65	84.74	15.88	-91.27	1,009.62	4,973.69	696.52	649.77	46.75	14.898		
11,600.00	7,175.19	7,197.43	7,143.95	86.36	15.88	-91.42	1,009.62	4,973.69	795.25	749.32	45.93	17.313		
11,700.00	7,174.83	7,197.73	7,144.26	87.98	15.88	-91.57	1,009.61	4,973.69	894.26	848.92	45.34	19.723		
11,800.00	7,174.47	7,198.04	7,144.57	89.61	15.88	-91.72	1,009.61	4,973.69	993.46	948.56	44.91	22.122		
11,900.00	7,174.11	7,198.35	7,144.88	91.23	15.88	-91.87	1,009.61	4,973.69	1,092.82	1,048.23	44.58	24.511		
12,000.00	7,173.75	7,198.65	7,145.18	92.86	15.88	-92.02	1,009.61	4,973.70	1,192.28	1,147.93	44.34	26.889		
12,100.00	7,173.39	7,198.96	7,145.49	94.49	15.88	-92.16	1,009.61	4,973.70	1,291.82	1,247.66	44.16	29.254		
12,200.00	7,173.03	7,199.27	7,145.80	96.12	15.88	-92.31	1,009.61	4,973.70	1,391.43	1,347.40	44.02	31.607		
12,300.00	7,172.68	7,199.58	7,146.11	97.75	15.88	-92.46	1,009.61	4,973.70	1,491.09	1,447.16	43.92	33.947		
12,400.00	7,172.32	7,199.89	7,146.41	99.38	15.88	-92.61	1,009.60	4,973.70	1,590.79	1,546.94	43.85	36.275		
12,500.00	7,171.96	7,200.19	7,146.72	101.01	15.88	-92.76	1,009.60	4,973.71	1,690.53	1,646.72	43.81	38.590		
12,600.00	7,171.60	7,200.50	7,147.03	102.65	15.88	-92.91	1,009.60	4,973.71	1,790.30	1,746.52	43.78	40.893		
12,700.00	7,171.24	7,200.81	7,147.34	104.28	15.89	-93.06	1,009.60	4,973.71	1,890.09	1,846.32	43.77	43.183		
12,800.00	7,170.88	7,201.12	7,147.65	105.92	15.89	-93.21	1,009.60	4,973.71	1,989.90	1,946.13	43.77	45.461		
12,900.00	7,170.52	7,201.43	7,147.96	107.56	15.89	-93.36	1,009.60	4,973.71	2,089.73	2,045.95	43.79	47.725		
13,000.00	7,170.16	7,201.74	7,148.27	109.20	15.89	-93.50	1,009.60	4,973.72	2,189.58	2,145.77	43.81	49.977		
13,100.00	7,169.80	7,202.05	7,148.57	110.84	15.89	-93.65	1,009.60	4,973.72	2,289.44	2,245.59	43.84	52.217		
13,200.00	7,169.44	7,202.36	7,148.88	112.48	15.89	-93.80	1,009.59	4,973.72	2,389.31	2,345.42	43.89	54.444		
13,300.00	7,169.08	7,202.67	7,149.19	114.12	15.89	-93.95	1,009.59	4,973.72	2,489.19	2,445.26	43.93	56.658		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-04 Offsets Incomplete - DUKE J 4-13 - SRCI PR Well - Actual VES Surveys (Grid to True)													<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 100-SRC Energy_VESSI GyroFlex V4, 7400-SRC Energy_2° CONE_2.448													<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,800.00	7,185.24	7,261.91	7,135.49	42.65	16.93	89.77	-440.36	5,047.20	2,483.80	2,434.18	49.63	50.050		
8,900.00	7,184.89	7,263.20	7,136.78	44.10	16.93	89.83	-440.34	5,047.22	2,398.66	2,347.89	50.77	47.245		
9,000.00	7,184.53	7,264.48	7,138.06	45.56	16.94	89.89	-440.32	5,047.25	2,314.71	2,262.70	52.01	44.503		
9,100.00	7,184.17	7,265.77	7,139.35	47.04	16.94	89.94	-440.30	5,047.27	2,232.08	2,178.72	53.36	41.833		
9,200.00	7,183.81	7,267.06	7,140.64	48.52	16.94	90.00	-440.28	5,047.29	2,150.92	2,096.11	54.81	39.241		
9,300.00	7,183.45	7,268.35	7,141.93	50.03	16.94	90.06	-440.25	5,047.31	2,071.41	2,015.02	56.39	36.737		
9,400.00	7,183.09	7,269.64	7,143.22	51.54	16.95	90.12	-440.23	5,047.33	1,993.75	1,935.66	58.08	34.327		
9,500.00	7,182.73	7,270.94	7,144.51	53.06	16.95	90.17	-440.21	5,047.36	1,918.15	1,858.24	59.91	32.019		
9,600.00	7,182.37	7,272.26	7,145.83	54.59	16.95	90.22	-440.19	5,047.38	1,845.90	1,784.01	61.89	29.826		
9,700.00	7,182.01	7,273.62	7,147.19	56.12	16.95	90.28	-440.16	5,047.40	1,778.07	1,714.03	64.05	27.763		
9,800.00	7,181.65	7,274.98	7,148.55	57.67	16.96	90.33	-440.14	5,047.43	1,713.45	1,647.12	66.34	25.829		
9,900.00	7,181.30	7,276.34	7,149.92	59.23	16.96	90.39	-440.12	5,047.45	1,652.36	1,583.62	68.75	24.036		
10,000.00	7,180.94	7,277.71	7,151.28	60.79	16.96	90.45	-440.09	5,047.47	1,595.21	1,523.95	71.25	22.388		
10,100.00	7,180.58	7,279.07	7,152.65	62.36	16.96	90.51	-440.07	5,047.50	1,542.42	1,468.59	73.83	20.891		
10,200.00	7,180.22	7,280.44	7,154.01	63.94	16.97	90.57	-440.05	5,047.52	1,494.47	1,418.01	76.45	19.547		
10,300.00	7,179.86	7,281.81	7,155.38	65.52	16.97	90.63	-440.03	5,047.54	1,451.83	1,372.75	79.07	18.361		
10,400.00	7,179.50	7,283.18	7,156.75	67.10	16.97	90.69	-440.00	5,047.57	1,414.98	1,333.34	81.64	17.333		
10,500.00	7,179.14	7,284.55	7,158.12	68.69	16.97	90.75	-439.98	5,047.59	1,384.38	1,300.30	84.08	16.464		
10,600.00	7,178.78	7,285.92	7,159.50	70.28	16.98	90.81	-439.96	5,047.61	1,360.47	1,274.11	86.35	15.754		
10,700.00	7,178.42	7,287.30	7,160.87	71.87	16.98	90.86	-439.93	5,047.64	1,343.59	1,255.21	88.38	15.202		
10,800.00	7,178.06	7,288.67	7,162.24	73.47	16.98	90.92	-439.91	5,047.66	1,334.01	1,243.90	90.11	14.804		
10,878.28	7,177.78	7,289.75	7,163.32	74.73	16.98	90.97	-439.89	5,047.68	1,331.71	1,240.48	91.23	14.598 CC		
10,900.00	7,177.70	7,290.05	7,163.62	75.08	16.98	90.98	-439.88	5,047.68	1,331.89	1,240.39	91.50	14.557 ES		
11,000.00	7,177.34	7,291.43	7,165.00	76.68	16.99	91.04	-439.86	5,047.71	1,337.26	1,244.75	92.51	14.456 SF		
11,100.00	7,176.99	7,292.81	7,166.37	78.29	16.99	91.10	-439.84	5,047.73	1,350.04	1,256.90	93.13	14.496		
11,200.00	7,176.63	7,294.19	7,167.75	79.90	16.99	91.16	-439.81	5,047.75	1,370.01	1,276.62	93.39	14.670		
11,300.00	7,176.27	7,295.57	7,169.14	81.51	16.99	91.22	-439.79	5,047.78	1,396.88	1,303.58	93.29	14.973		
11,400.00	7,175.91	7,296.95	7,170.52	83.13	17.00	91.28	-439.77	5,047.80	1,430.24	1,337.35	92.89	15.396		
11,500.00	7,175.55	7,298.33	7,171.90	84.74	17.00	91.34	-439.74	5,047.83	1,469.66	1,377.43	92.23	15.934		
11,600.00	7,175.19	7,299.72	7,173.29	86.36	17.00	91.40	-439.72	5,047.85	1,514.67	1,423.31	91.36	16.578		
11,700.00	7,174.83	7,301.10	7,174.67	87.98	17.00	91.46	-439.70	5,047.87	1,564.78	1,474.45	90.33	17.323		
11,800.00	7,174.47	7,302.49	7,176.06	89.61	17.01	91.52	-439.67	5,047.90	1,619.52	1,530.34	89.18	18.159		
11,900.00	7,174.11	7,303.88	7,177.45	91.23	17.01	91.58	-439.65	5,047.92	1,678.44	1,590.48	87.96	19.082		
12,000.00	7,173.75	7,305.27	7,178.84	92.86	17.01	91.64	-439.63	5,047.95	1,741.11	1,654.42	86.69	20.085		
12,100.00	7,173.39	7,306.66	7,180.23	94.49	17.02	91.70	-439.60	5,047.97	1,807.14	1,721.74	85.40	21.160		
12,200.00	7,173.03	7,308.05	7,181.62	96.12	17.02	91.76	-439.58	5,047.99	1,876.18	1,792.06	84.12	22.304		
12,300.00	7,172.68	7,309.45	7,183.01	97.75	17.02	91.82	-439.55	5,048.02	1,947.91	1,865.05	82.85	23.510		
12,400.00	7,172.32	7,310.73	7,184.29	99.38	17.02	91.87	-439.53	5,048.04	2,022.04	1,940.42	81.62	24.773		
12,500.00	7,171.96	7,312.10	7,185.67	101.01	17.03	91.93	-439.51	5,048.06	2,098.31	2,017.88	80.43	26.089		
12,600.00	7,171.60	7,313.48	7,187.04	102.65	17.03	91.99	-439.49	5,048.09	2,176.51	2,097.23	79.28	27.453		
12,700.00	7,171.24	7,314.86	7,188.42	104.28	17.03	92.05	-439.46	5,048.11	2,256.43	2,178.25	78.18	28.861		
12,800.00	7,170.88	7,316.23	7,189.79	105.92	17.03	92.11	-439.44	5,048.13	2,337.89	2,260.76	77.13	30.309		
12,900.00	7,170.52	7,317.61	7,191.17	107.56	17.04	92.17	-439.41	5,048.16	2,420.75	2,344.61	76.14	31.794		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-04 Offsets Incomplete - DUKE J 4-14 - SRCI P&A Well - Actual VES Surveys (Grid to True)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 100-SRC Energy_VESSI GyroFlex V4, 7600-SRC Energy_2° CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.00	7,180.22	7,445.72	7,120.83	63.94	21.84	89.40	-456.72	6,384.48	2,429.40	2,367.64	61.76	39.339	
10,300.00	7,179.86	7,445.94	7,121.05	65.52	21.84	89.41	-456.73	6,384.49	2,347.11	2,283.51	63.61	36.901	
10,400.00	7,179.50	7,446.16	7,121.27	67.10	21.84	89.42	-456.73	6,384.49	2,266.26	2,200.67	65.59	34.551	
10,500.00	7,179.14	7,446.38	7,121.48	68.69	21.84	89.43	-456.73	6,384.49	2,186.99	2,119.26	67.72	32.294	
10,600.00	7,178.78	7,446.60	7,121.70	70.28	21.84	89.44	-456.73	6,384.49	2,109.48	2,039.47	70.00	30.133	
10,700.00	7,178.42	7,446.81	7,121.92	71.87	21.84	89.45	-456.73	6,384.49	2,033.93	1,961.48	72.45	28.075	
10,800.00	7,178.06	7,447.02	7,122.13	73.47	21.84	89.46	-456.73	6,384.49	1,960.57	1,885.53	75.05	26.124	
10,900.00	7,177.70	7,447.23	7,122.34	75.08	21.84	89.47	-456.74	6,384.49	1,889.66	1,811.85	77.82	24.283	
11,000.00	7,177.34	7,447.45	7,122.55	76.68	21.84	89.48	-456.74	6,384.49	1,821.49	1,740.74	80.75	22.557	
11,100.00	7,176.99	7,447.65	7,122.76	78.29	21.84	89.48	-456.74	6,384.50	1,756.36	1,672.52	83.84	20.949	
11,200.00	7,176.63	7,447.86	7,122.97	79.90	21.84	89.49	-456.74	6,384.50	1,694.63	1,607.56	87.07	19.462	
11,300.00	7,176.27	7,448.07	7,123.17	81.51	21.85	89.50	-456.74	6,384.50	1,636.69	1,546.26	90.43	18.099	
11,400.00	7,175.91	7,448.27	7,123.38	83.13	21.85	89.51	-456.74	6,384.50	1,582.95	1,489.07	93.88	16.862	
11,500.00	7,175.55	7,448.47	7,123.58	84.74	21.85	89.52	-456.75	6,384.50	1,533.86	1,436.48	97.38	15.752	
11,600.00	7,175.19	7,448.67	7,123.78	86.36	21.85	89.53	-456.75	6,384.50	1,489.86	1,389.00	100.87	14.771	
11,700.00	7,174.83	7,448.87	7,123.98	87.98	21.85	89.54	-456.75	6,384.50	1,451.44	1,347.15	104.28	13.918	
11,800.00	7,174.47	7,449.07	7,124.18	89.61	21.85	89.54	-456.75	6,384.50	1,419.03	1,311.48	107.55	13.194	
11,900.00	7,174.11	7,449.27	7,124.37	91.23	21.85	89.55	-456.75	6,384.50	1,393.07	1,282.49	110.57	12.599	
12,000.00	7,173.75	7,449.46	7,124.57	92.86	21.85	89.56	-456.75	6,384.50	1,373.90	1,260.63	113.28	12.129	
12,100.00	7,173.39	7,449.66	7,124.76	94.49	21.85	89.57	-456.75	6,384.51	1,361.83	1,246.26	115.57	11.783	
12,200.00	7,173.03	7,449.85	7,124.96	96.12	21.85	89.58	-456.76	6,384.51	1,357.05	1,239.64	117.41	11.559	
12,215.10	7,172.98	7,449.88	7,124.98	96.36	21.85	89.58	-456.76	6,384.51	1,356.96	1,239.32	117.64	11.535 CC, ES	
12,300.00	7,172.68	7,450.04	7,125.15	97.75	21.85	89.58	-456.76	6,384.51	1,359.61	1,240.89	118.72	11.452 SF	
12,400.00	7,172.32	7,450.23	7,125.34	99.38	21.85	89.59	-456.76	6,384.51	1,369.50	1,249.99	119.51	11.459	
12,500.00	7,171.96	7,450.42	7,125.52	101.01	21.85	89.60	-456.76	6,384.51	1,386.55	1,266.77	119.78	11.576	
12,600.00	7,171.60	7,450.61	7,125.71	102.65	21.85	89.61	-456.76	6,384.51	1,410.49	1,290.94	119.55	11.798	
12,700.00	7,171.24	7,450.79	7,125.90	104.28	21.85	89.62	-456.76	6,384.51	1,441.00	1,322.11	118.88	12.121	
12,800.00	7,170.88	7,450.98	7,126.08	105.92	21.85	89.62	-456.76	6,384.51	1,477.65	1,359.81	117.84	12.540	
12,900.00	7,170.52	7,451.16	7,126.27	107.56	21.85	89.63	-456.76	6,384.51	1,520.01	1,403.52	116.49	13.049	
13,000.00	7,170.16	7,451.34	7,126.45	109.20	21.85	89.64	-456.77	6,384.51	1,567.61	1,452.72	114.90	13.644	
13,100.00	7,169.80	7,451.52	7,126.63	110.84	21.85	89.65	-456.77	6,384.52	1,620.00	1,506.87	113.13	14.320	
13,200.00	7,169.44	7,451.70	7,126.81	112.48	21.85	89.65	-456.77	6,384.52	1,676.71	1,565.46	111.25	15.072	
13,300.00	7,169.08	7,451.88	7,126.99	114.12	21.85	89.66	-456.77	6,384.52	1,737.34	1,628.04	109.30	15.895	
13,400.00	7,168.72	7,452.06	7,127.16	115.77	21.85	89.67	-456.77	6,384.52	1,801.48	1,694.16	107.32	16.786	
13,500.00	7,168.37	7,452.23	7,127.34	117.41	21.85	89.68	-456.77	6,384.52	1,868.77	1,763.43	105.34	17.740	
13,600.00	7,168.01	7,452.41	7,127.51	119.05	21.85	89.68	-456.77	6,384.52	1,938.89	1,835.49	103.40	18.752	
13,700.00	7,167.65	7,452.58	7,127.69	120.70	21.85	89.69	-456.77	6,384.52	2,011.53	1,910.04	101.49	19.819	
13,800.00	7,167.29	7,452.75	7,127.86	122.35	21.85	89.70	-456.78	6,384.52	2,086.44	1,986.79	99.65	20.937	
13,900.00	7,166.93	7,452.92	7,128.03	123.99	21.85	89.71	-456.78	6,384.52	2,163.38	2,065.51	97.88	22.103	
14,000.00	7,166.57	7,453.09	7,128.20	125.64	21.85	89.71	-456.78	6,384.52	2,242.14	2,145.97	96.17	23.314	
14,100.00	7,166.21	7,453.26	7,128.37	127.29	21.85	89.72	-456.78	6,384.52	2,322.54	2,227.99	94.55	24.565	
14,200.00	7,165.85	7,453.43	7,128.54	128.94	21.85	89.73	-456.78	6,384.53	2,404.40	2,311.41	93.00	25.855	
14,300.00	7,165.49	7,453.60	7,128.70	130.59	21.85	89.73	-456.78	6,384.53	2,487.60	2,396.07	91.52	27.180	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		5N-66W-04 Offsets Incomplete - DUKE J 4-25 - SRCI PR Well - Actual VES Surveys (Grid to True)											Offset Site Error:	0.00 usft
Survey Program:		100-SRC Energy_VESSI GyroFlex V4, 7500-SRC Energy_2° CONE_2.448											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,300.00	7,183.45	7,300.79	7,135.88	50.03	17.31	89.89	184.10	5,771.99	2,416.96	2,371.64	45.31	53.338		
9,400.00	7,183.09	7,300.81	7,135.90	51.54	17.31	89.89	184.10	5,771.99	2,320.59	2,274.62	45.97	50.478		
9,500.00	7,182.73	7,300.84	7,135.92	53.06	17.31	89.90	184.10	5,771.99	2,224.54	2,177.84	46.70	47.636		
9,600.00	7,182.37	7,300.86	7,135.94	54.59	17.31	89.90	184.10	5,771.99	2,129.31	2,081.77	47.54	44.793		
9,700.00	7,182.01	7,300.88	7,135.96	56.12	17.31	89.90	184.10	5,771.99	2,035.32	1,986.79	48.53	41.939		
9,800.00	7,181.65	7,300.90	7,135.98	57.67	17.31	89.90	184.10	5,771.99	1,941.96	1,892.31	49.64	39.117		
9,900.00	7,181.30	7,300.91	7,136.00	59.23	17.31	89.91	184.10	5,771.99	1,849.29	1,798.40	50.89	36.339		
10,000.00	7,180.94	7,300.93	7,136.02	60.79	17.31	89.91	184.10	5,771.99	1,757.42	1,705.14	52.29	33.612		
10,100.00	7,180.58	7,300.95	7,136.04	62.36	17.31	89.91	184.10	5,771.99	1,666.49	1,612.64	53.85	30.946		
10,200.00	7,180.22	7,300.97	7,136.06	63.94	17.31	89.91	184.10	5,771.99	1,576.66	1,521.05	55.62	28.349		
10,300.00	7,179.86	7,300.99	7,136.08	65.52	17.31	89.91	184.10	5,771.99	1,488.13	1,430.53	57.60	25.834		
10,400.00	7,179.50	7,301.01	7,136.10	67.10	17.31	89.91	184.10	5,771.99	1,401.14	1,341.29	59.85	23.411		
10,500.00	7,179.14	7,301.03	7,136.11	68.69	17.31	89.92	184.10	5,771.99	1,316.01	1,253.62	62.39	21.094		
10,600.00	7,178.78	7,301.05	7,136.13	70.28	17.31	89.92	184.10	5,771.99	1,233.10	1,167.85	65.26	18.896		
10,700.00	7,178.42	7,301.07	7,136.15	71.87	17.31	89.92	184.10	5,771.99	1,152.91	1,084.43	68.49	16.834		
10,800.00	7,178.06	7,301.09	7,136.17	73.47	17.31	89.92	184.10	5,771.99	1,076.05	1,003.93	72.11	14.922		
10,900.00	7,177.70	7,301.11	7,136.19	75.08	17.31	89.92	184.10	5,771.99	1,003.27	927.13	76.14	13.177		
11,000.00	7,177.34	7,301.13	7,136.21	76.68	17.31	89.92	184.10	5,771.99	935.53	854.98	80.55	11.614		
11,100.00	7,176.99	7,301.14	7,136.23	78.29	17.31	89.92	184.10	5,771.99	874.00	788.74	85.27	10.250		
11,200.00	7,176.63	7,301.16	7,136.25	79.90	17.31	89.93	184.10	5,771.99	820.09	729.97	90.12	9.100		
11,300.00	7,176.27	7,301.18	7,136.27	81.51	17.31	89.93	184.10	5,771.99	775.38	680.54	94.84	8.175		
11,400.00	7,175.91	7,301.20	7,136.29	83.13	17.31	89.93	184.10	5,771.99	741.54	642.51	99.03	7.488		
11,500.00	7,175.55	7,301.22	7,136.31	84.74	17.31	89.93	184.10	5,771.99	720.11	617.86	102.24	7.043		
11,600.00	7,175.19	7,301.24	7,136.33	86.36	17.31	89.93	184.10	5,771.99	712.20	608.13	104.07	6.843		
11,606.66	7,175.17	7,301.25	7,136.33	86.47	17.31	89.93	184.10	5,771.99	712.17	608.03	104.14	6.839 CC, ES, SF		
11,700.00	7,174.83	7,301.26	7,136.35	87.98	17.31	89.93	184.10	5,771.99	718.26	613.95	104.30	6.886		
11,800.00	7,174.47	7,301.28	7,136.37	89.61	17.31	89.94	184.10	5,771.99	737.94	634.93	103.01	7.164		
11,900.00	7,174.11	7,301.30	7,136.39	91.23	17.31	89.94	184.10	5,771.99	770.21	669.73	100.48	7.665		
12,000.00	7,173.75	7,301.32	7,136.41	92.86	17.31	89.94	184.10	5,771.99	813.57	716.43	97.14	8.375		
12,100.00	7,173.39	7,301.34	7,136.43	94.49	17.31	89.94	184.10	5,771.99	866.35	772.97	93.39	9.277		
12,200.00	7,173.03	7,301.37	7,136.45	96.12	17.31	89.94	184.10	5,771.99	926.95	837.42	89.52	10.354		
12,300.00	7,172.68	7,301.39	7,136.47	97.75	17.31	89.94	184.10	5,771.99	993.93	908.16	85.77	11.588		
12,400.00	7,172.32	7,301.41	7,136.50	99.38	17.31	89.95	184.10	5,771.99	1,066.10	983.86	82.24	12.963		
12,500.00	7,171.96	7,301.43	7,136.52	101.01	17.31	89.95	184.10	5,771.99	1,142.47	1,063.47	79.00	14.461		
12,600.00	7,171.60	7,301.46	7,136.54	102.65	17.31	89.95	184.10	5,771.99	1,222.26	1,146.19	76.06	16.069		
12,700.00	7,171.24	7,301.48	7,136.57	104.28	17.31	89.95	184.10	5,771.99	1,304.83	1,231.40	73.42	17.771		
12,800.00	7,170.88	7,301.51	7,136.59	105.92	17.31	89.95	184.10	5,771.99	1,389.69	1,318.63	71.06	19.557		
12,900.00	7,170.52	7,301.53	7,136.62	107.56	17.32	89.96	184.10	5,771.99	1,476.45	1,407.50	68.95	21.414		
13,000.00	7,170.16	7,301.56	7,136.64	109.20	17.32	89.96	184.10	5,771.99	1,564.79	1,497.73	67.07	23.332		
13,100.00	7,169.80	7,301.58	7,136.67	110.84	17.32	89.96	184.10	5,771.99	1,654.46	1,589.08	65.39	25.303		
13,200.00	7,169.44	7,301.61	7,136.69	112.48	17.32	89.96	184.10	5,771.99	1,745.26	1,681.37	63.89	27.319		
13,300.00	7,169.08	7,301.63	7,136.72	114.12	17.32	89.96	184.10	5,771.99	1,837.01	1,774.46	62.54	29.371		
13,400.00	7,168.72	7,301.66	7,136.75	115.77	17.32	89.97	184.10	5,771.99	1,929.57	1,868.23	61.34	31.455		
13,500.00	7,168.37	7,301.69	7,136.77	117.41	17.32	89.97	184.10	5,771.99	2,022.85	1,962.58	60.27	33.565		
13,600.00	7,168.01	7,301.71	7,136.80	119.05	17.32	89.97	184.10	5,771.99	2,116.74	2,057.44	59.30	35.695		
13,700.00	7,167.65	7,301.74	7,136.83	120.70	17.32	89.97	184.10	5,772.00	2,211.17	2,152.73	58.43	37.841		
13,800.00	7,167.29	7,301.77	7,136.85	122.35	17.32	89.97	184.10	5,772.00	2,306.06	2,248.41	57.65	40.001		
13,900.00	7,166.93	7,301.79	7,136.88	123.99	17.32	89.98	184.10	5,772.00	2,401.37	2,344.43	56.95	42.169		
14,000.00	7,166.57	7,301.82	7,136.91	125.64	17.32	89.98	184.10	5,772.00	2,497.05	2,440.74	56.31	44.344		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-04 Offsets Incomplete - DUKE J 4-33 - SRCI SI Well - Actual VES Surveys (Grid to True)													Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7300-SRC Energy_2" CONE_2.448													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,800.00	7,188.83	7,207.29	7,156.08	29.51	15.72	91.23	274.03	4,280.69	2,412.73	2,372.38	40.35	59.788		
7,900.00	7,188.47	7,207.95	7,155.42	30.67	15.72	91.16	274.04	4,280.69	2,315.91	2,275.22	40.69	56.911		
8,000.00	7,188.11	7,208.61	7,154.77	31.88	15.73	91.10	274.04	4,280.69	2,219.37	2,178.30	41.07	54.037		
8,100.00	7,187.76	7,209.27	7,154.11	33.12	15.73	91.03	274.04	4,280.70	2,123.14	2,081.65	41.49	51.168		
8,200.00	7,187.40	7,209.93	7,153.45	34.40	15.73	90.97	274.05	4,280.70	2,027.29	1,985.32	41.97	48.306		
8,300.00	7,187.04	7,189.81	7,153.18	35.71	15.69	90.94	274.05	4,280.70	1,931.85	1,889.39	42.46	45.500		
8,400.00	7,186.68	7,189.16	7,152.53	37.05	15.69	90.88	274.05	4,280.70	1,836.90	1,793.84	43.06	42.660		
8,500.00	7,186.32	7,188.51	7,151.88	38.42	15.68	90.82	274.05	4,280.70	1,742.51	1,698.77	43.74	39.836		
8,600.00	7,185.96	7,187.86	7,151.23	39.81	15.68	90.76	274.05	4,280.71	1,648.79	1,604.27	44.52	37.035		
8,700.00	7,185.60	7,187.20	7,150.58	41.22	15.68	90.69	274.06	4,280.71	1,555.84	1,510.43	45.41	34.261		
8,800.00	7,185.24	7,186.55	7,149.92	42.65	15.68	90.63	274.06	4,280.71	1,463.83	1,417.39	46.44	31.524		
8,900.00	7,184.89	7,185.89	7,149.26	44.10	15.68	90.57	274.06	4,280.71	1,372.93	1,325.31	47.62	28.833		
9,000.00	7,184.53	7,185.23	7,148.61	45.56	15.68	90.50	274.07	4,280.71	1,283.39	1,234.40	48.99	26.200		
9,100.00	7,184.17	7,184.57	7,147.95	47.04	15.68	90.44	274.07	4,280.72	1,195.50	1,144.93	50.57	23.639		
9,200.00	7,183.81	7,183.91	7,147.28	48.52	15.67	90.37	274.07	4,280.72	1,109.67	1,057.25	52.42	21.169		
9,300.00	7,183.45	7,183.24	7,146.62	50.03	15.67	90.31	274.07	4,280.72	1,026.41	971.84	54.57	18.810		
9,400.00	7,183.09	7,182.58	7,145.95	51.54	15.67	90.24	274.08	4,280.72	946.39	889.34	57.06	16.587		
9,500.00	7,182.73	7,181.91	7,145.29	53.06	15.67	90.18	274.08	4,280.73	870.52	810.61	59.91	14.530		
9,600.00	7,182.37	7,181.24	7,144.61	54.59	15.67	90.10	274.08	4,280.73	801.05	737.87	63.17	12.680		
9,700.00	7,182.01	7,180.55	7,143.93	56.12	15.67	90.04	274.09	4,280.73	740.54	673.75	66.79	11.088		
9,800.00	7,181.65	7,179.86	7,143.24	57.67	15.67	89.97	274.09	4,280.73	689.35	618.84	70.51	9.777		
9,900.00	7,181.30	7,179.17	7,142.55	59.23	15.66	89.91	274.09	4,280.73	649.61	575.62	73.99	8.780		
10,000.00	7,180.94	7,178.48	7,141.85	60.79	15.66	89.84	274.09	4,280.74	623.54	546.75	76.78	8.121		
10,100.00	7,180.58	7,177.79	7,141.16	62.36	15.66	89.78	274.10	4,280.74	612.86	534.42	78.44	7.814		
10,116.01	7,180.52	7,177.67	7,141.05	62.61	15.66	89.77	274.10	4,280.74	612.65	534.08	78.57	7.797 CC, ES, SF		
10,200.00	7,180.22	7,177.09	7,140.47	63.94	15.66	89.71	274.10	4,280.74	618.38	539.70	78.68	7.859		
10,300.00	7,179.86	7,176.39	7,139.77	65.52	15.66	89.65	274.10	4,280.74	639.68	562.11	77.57	8.246		
10,400.00	7,179.50	7,175.70	7,139.07	67.10	15.66	89.58	274.11	4,280.75	675.27	599.83	75.44	8.951		
10,500.00	7,179.14	7,174.99	7,138.37	68.69	15.66	89.52	274.11	4,280.75	723.04	650.32	72.72	9.942		
10,600.00	7,178.78	7,174.29	7,137.67	70.28	15.65	89.45	274.11	4,280.75	780.76	710.96	69.80	11.186		
10,700.00	7,178.42	7,173.59	7,136.96	71.87	15.65	89.39	274.11	4,280.75	846.39	779.46	66.93	12.647		
10,800.00	7,178.06	7,172.88	7,136.26	73.47	15.65	89.32	274.12	4,280.76	918.24	853.99	64.25	14.291		
10,900.00	7,177.70	7,172.18	7,135.55	75.08	15.65	89.25	274.12	4,280.76	994.97	933.13	61.84	16.089		
11,000.00	7,177.34	7,171.47	7,134.84	76.68	15.65	89.19	274.12	4,280.76	1,075.52	1,015.82	59.70	18.014		
11,100.00	7,176.99	7,170.76	7,134.13	78.29	15.65	89.12	274.12	4,280.76	1,159.11	1,101.28	57.83	20.043		
11,200.00	7,176.63	7,170.04	7,133.42	79.90	15.65	89.06	274.13	4,280.77	1,245.12	1,188.92	56.20	22.155		
11,300.00	7,176.27	7,169.33	7,132.71	81.51	15.64	88.99	274.13	4,280.77	1,333.08	1,278.30	54.78	24.335		
11,400.00	7,175.91	7,168.61	7,131.99	83.13	15.64	88.92	274.13	4,280.77	1,422.64	1,369.09	53.55	26.568		
11,500.00	7,175.55	7,167.90	7,131.27	84.74	15.64	88.85	274.14	4,280.77	1,513.50	1,461.03	52.47	28.843		
11,600.00	7,175.19	7,167.18	7,130.55	86.36	15.64	88.79	274.14	4,280.78	1,605.45	1,553.91	51.54	31.151		
11,700.00	7,174.83	7,166.46	7,129.83	87.98	15.64	88.72	274.14	4,280.78	1,698.31	1,647.59	50.72	33.483		
11,800.00	7,174.47	7,165.73	7,129.11	89.61	15.64	88.65	274.14	4,280.78	1,791.94	1,741.93	50.01	35.833		
11,900.00	7,174.11	7,165.01	7,128.38	91.23	15.63	88.58	274.15	4,280.78	1,886.22	1,836.83	49.38	38.195		
12,000.00	7,173.75	7,164.28	7,127.66	92.86	15.63	88.52	274.15	4,280.79	1,981.06	1,932.22	48.84	40.566		
12,100.00	7,173.39	7,163.55	7,126.93	94.49	15.63	88.45	274.15	4,280.79	2,076.39	2,028.03	48.36	42.940		
12,200.00	7,173.03	7,162.82	7,126.20	96.12	15.63	88.38	274.15	4,280.79	2,172.13	2,124.20	47.93	45.316		
12,300.00	7,172.68	7,162.09	7,125.47	97.75	15.63	88.31	274.16	4,280.80	2,268.24	2,220.68	47.56	47.690		
12,400.00	7,172.32	7,161.36	7,124.73	99.38	15.63	88.24	274.16	4,280.80	2,364.68	2,317.44	47.24	50.061		
12,500.00	7,171.96	7,160.62	7,124.00	101.01	15.63	88.17	274.16	4,280.80	2,461.40	2,414.45	46.95	52.426		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-04 Offsets Incomplete - Duke USX J 05-16 - SRCI P&A Well - Actual VES Surveys (Grid to Tru													Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7500-SRC Energy_2" CONE_2.448													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,500.00	7,140.51	7,300.43	7,109.31	26.27	18.83	62.39	-440.23	3,713.02	2,468.31	2,424.26	44.05	56.033		
7,600.00	7,171.26	7,330.40	7,139.29	27.31	18.88	72.18	-440.16	3,712.98	2,391.07	2,346.17	44.91	53.244		
7,700.00	7,186.94	7,345.76	7,154.65	28.40	18.91	83.84	-440.11	3,712.98	2,310.85	2,265.09	45.77	50.494		
7,800.00	7,188.83	7,347.61	7,156.50	29.51	18.91	90.48	-440.11	3,712.98	2,229.84	2,183.21	46.62	47.829		
7,900.00	7,188.47	7,347.25	7,156.14	30.67	18.91	90.47	-440.11	3,712.98	2,150.16	2,102.61	47.55	45.222		
8,000.00	7,188.11	7,346.88	7,155.77	31.88	18.91	90.45	-440.11	3,712.98	2,072.25	2,023.68	48.56	42.671		
8,100.00	7,187.76	7,346.51	7,155.40	33.12	18.91	90.43	-440.11	3,712.98	1,996.30	1,946.63	49.68	40.187		
8,200.00	7,187.40	7,346.14	7,155.03	34.40	18.91	90.42	-440.11	3,712.98	1,922.56	1,871.67	50.89	37.780		
8,300.00	7,187.04	7,345.77	7,154.66	35.71	18.91	90.40	-440.11	3,712.98	1,851.29	1,799.08	52.20	35.464		
8,400.00	7,186.68	7,345.39	7,154.28	37.05	18.90	90.39	-440.12	3,712.98	1,782.77	1,729.16	53.62	33.250		
8,500.00	7,186.32	7,345.02	7,153.90	38.42	18.90	90.37	-440.12	3,712.98	1,717.35	1,662.22	55.13	31.150		
8,600.00	7,185.96	7,344.64	7,153.52	39.81	18.90	90.35	-440.12	3,712.98	1,655.39	1,598.65	56.74	29.176		
8,700.00	7,185.60	7,344.25	7,153.14	41.22	18.90	90.34	-440.12	3,712.98	1,597.29	1,538.86	58.43	27.339		
8,800.00	7,185.24	7,343.87	7,152.75	42.65	18.90	90.32	-440.12	3,712.98	1,543.49	1,483.31	60.18	25.650		
8,900.00	7,184.89	7,343.48	7,152.37	44.10	18.90	90.30	-440.12	3,712.98	1,494.44	1,432.48	61.96	24.118		
9,000.00	7,184.53	7,343.09	7,151.98	45.56	18.90	90.29	-440.12	3,712.98	1,450.65	1,386.89	63.76	22.751		
9,100.00	7,184.17	7,342.69	7,151.58	47.04	18.90	90.27	-440.12	3,712.98	1,412.59	1,347.06	65.53	21.557		
9,200.00	7,183.81	7,342.30	7,151.19	48.52	18.90	90.25	-440.13	3,712.98	1,380.73	1,313.51	67.22	20.540		
9,300.00	7,183.45	7,341.90	7,150.79	50.03	18.90	90.23	-440.13	3,712.98	1,355.52	1,286.72	68.80	19.703		
9,400.00	7,183.09	7,341.50	7,150.39	51.54	18.90	90.22	-440.13	3,712.98	1,337.33	1,267.12	70.21	19.048		
9,500.00	7,182.73	7,341.09	7,149.98	53.06	18.90	90.20	-440.13	3,712.98	1,326.45	1,255.03	71.41	18.575		
9,566.79	7,182.49	7,340.82	7,149.71	54.08	18.90	90.18	-440.13	3,712.98	1,324.05	1,251.97	72.08	18.369 CC, ES		
9,600.00	7,182.37	7,340.69	7,149.58	54.59	18.90	90.17	-440.13	3,712.98	1,324.51	1,252.14	72.37	18.302		
9,700.00	7,182.01	7,340.29	7,149.18	56.12	18.90	90.16	-440.13	3,712.98	1,332.44	1,259.38	73.07	18.236 SF		
9,800.00	7,181.65	7,339.89	7,148.78	57.67	18.90	90.14	-440.13	3,712.98	1,347.84	1,274.33	73.51	18.336		
9,900.00	7,181.30	7,339.49	7,148.38	59.23	18.89	90.12	-440.14	3,712.98	1,370.38	1,296.68	73.70	18.595		
10,000.00	7,180.94	7,339.09	7,147.97	60.79	18.89	90.10	-440.14	3,712.98	1,399.71	1,326.05	73.66	19.002		
10,100.00	7,180.58	7,338.68	7,147.57	62.36	18.89	90.09	-440.14	3,712.98	1,435.43	1,362.00	73.43	19.549		
10,200.00	7,180.22	7,338.27	7,147.15	63.94	18.89	90.07	-440.14	3,712.98	1,477.07	1,404.04	73.03	20.225		
10,300.00	7,179.86	7,337.85	7,146.74	65.52	18.89	90.05	-440.14	3,712.98	1,524.14	1,451.63	72.51	21.021		
10,400.00	7,179.50	7,337.43	7,146.32	67.10	18.89	90.03	-440.14	3,712.98	1,576.15	1,504.27	71.89	21.926		
10,500.00	7,179.14	7,337.01	7,145.90	68.69	18.89	90.01	-440.14	3,712.98	1,632.64	1,561.44	71.20	22.931		
10,600.00	7,178.78	7,336.59	7,145.48	70.28	18.89	90.00	-440.14	3,712.98	1,693.16	1,622.69	70.47	24.027		
10,700.00	7,178.42	7,336.16	7,145.05	71.87	18.89	89.98	-440.15	3,712.98	1,757.28	1,687.57	69.72	25.207		
10,800.00	7,178.06	7,335.73	7,144.62	73.47	18.89	89.96	-440.15	3,712.98	1,824.64	1,755.68	68.96	26.461		
10,900.00	7,177.70	7,335.30	7,144.19	75.08	18.89	89.94	-440.15	3,712.98	1,894.88	1,826.68	68.20	27.783		
11,000.00	7,177.34	7,334.86	7,143.75	76.68	18.89	89.92	-440.15	3,712.98	1,967.70	1,900.23	67.46	29.167		
11,100.00	7,176.99	7,334.42	7,143.31	78.29	18.89	89.90	-440.15	3,712.98	2,042.82	1,976.07	66.74	30.606		
11,200.00	7,176.63	7,333.98	7,142.87	79.90	18.89	89.88	-440.15	3,712.98	2,119.99	2,053.94	66.05	32.095		
11,300.00	7,176.27	7,333.54	7,142.42	81.51	18.88	89.86	-440.15	3,712.98	2,199.00	2,133.61	65.39	33.629		
11,400.00	7,175.91	7,333.09	7,141.97	83.13	18.88	89.84	-440.15	3,712.98	2,279.67	2,214.91	64.76	35.203		
11,500.00	7,175.55	7,332.63	7,141.52	84.74	18.88	89.82	-440.16	3,712.98	2,361.81	2,297.65	64.16	36.813		
11,600.00	7,175.19	7,332.18	7,141.06	86.36	18.88	89.80	-440.16	3,712.98	2,445.28	2,381.69	63.59	38.455		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		5N-66W-04 Offsets Incomplete - DUKE USX J 5-9 - SRCI PR Well - Actual VES Surveys (Grid to True)										Offset Site Error:		0.00 usft
Survey Program:		100-SRC Energy_VESSI GyroFlex V4, 7520-SRC Energy_2" CONE_2.448										Offset Well Error:		3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,300.00	6,124.15	6,261.90	6,093.73	19.82	16.28	31.26	980.26	3,660.97	2,499.06	2,466.38	32.68	76.477		
6,400.00	6,220.99	6,357.09	6,188.92	20.19	16.44	31.56	979.87	3,660.79	2,477.37	2,444.18	33.18	74.655		
6,500.00	6,317.82	6,452.77	6,284.60	20.55	16.60	31.87	979.56	3,660.63	2,455.77	2,422.08	33.69	72.886		
6,600.00	6,414.66	6,550.34	6,382.17	20.92	16.77	32.18	979.23	3,660.51	2,434.29	2,400.08	34.21	71.159		
6,700.00	6,511.50	6,645.38	6,477.21	21.29	16.94	32.50	979.04	3,660.33	2,412.82	2,378.10	34.72	69.488		
6,800.00	6,608.33	6,739.02	6,570.85	21.66	17.10	32.81	978.66	3,660.35	2,391.61	2,356.38	35.24	67.875		
6,900.00	6,705.11	6,835.22	6,667.04	22.03	17.27	29.35	978.27	3,660.36	2,370.19	2,334.43	35.75	66.291		
7,000.00	6,799.10	6,927.34	6,759.16	22.47	17.43	17.88	977.71	3,660.50	2,338.77	2,302.47	36.31	64.416		
7,100.00	6,887.20	7,021.61	6,853.43	23.02	17.60	12.37	977.14	3,660.53	2,292.90	2,256.00	36.90	62.138		
7,200.00	6,967.23	7,110.92	6,942.74	23.68	17.75	9.15	976.48	3,660.23	2,233.49	2,196.00	37.49	59.571		
7,300.00	7,037.23	7,179.57	7,011.39	24.45	17.88	6.84	975.97	3,659.89	2,162.19	2,124.16	38.04	56.846		
7,400.00	7,095.47	7,234.41	7,066.23	25.31	17.97	4.76	975.62	3,659.64	2,080.90	2,042.39	38.51	54.037		
7,500.00	7,140.51	7,275.65	7,107.46	26.27	18.05	2.18	975.30	3,659.53	1,991.64	1,952.75	38.89	51.213		
7,600.00	7,171.26	7,303.97	7,135.78	27.31	18.10	-2.87	975.05	3,659.50	1,896.55	1,857.39	39.16	48.435		
7,700.00	7,186.94	7,318.56	7,150.38	28.40	18.13	-25.05	974.92	3,659.49	1,797.91	1,758.61	39.29	45.755		
7,800.00	7,188.83	7,320.35	7,152.16	29.51	18.13	-94.10	974.91	3,659.49	1,698.08	1,658.77	39.31	43.195		
7,900.00	7,188.47	7,320.04	7,151.85	30.67	18.13	-93.90	974.91	3,659.49	1,598.23	1,558.92	39.31	40.660		
8,000.00	7,188.11	7,319.72	7,151.53	31.88	18.13	-93.70	974.91	3,659.49	1,498.40	1,459.10	39.30	38.128		
8,100.00	7,187.76	7,319.40	7,151.21	33.12	18.13	-93.49	974.91	3,659.49	1,398.59	1,359.30	39.29	35.597		
8,200.00	7,187.40	7,319.08	7,150.89	34.40	18.13	-93.29	974.92	3,659.49	1,298.81	1,259.53	39.28	33.069		
8,300.00	7,187.04	7,318.76	7,150.57	35.71	18.13	-93.08	974.92	3,659.49	1,199.07	1,159.81	39.26	30.543		
8,400.00	7,186.68	7,318.43	7,150.25	37.05	18.13	-92.88	974.92	3,659.49	1,099.37	1,060.14	39.24	28.019		
8,500.00	7,186.32	7,318.10	7,149.92	38.42	18.13	-92.67	974.92	3,659.49	999.74	960.53	39.21	25.497		
8,600.00	7,185.96	7,317.77	7,149.59	39.81	18.12	-92.46	974.93	3,659.49	900.19	861.01	39.18	22.976		
8,700.00	7,185.60	7,317.44	7,149.25	41.22	18.12	-92.24	974.93	3,659.49	800.75	761.60	39.15	20.456		
8,800.00	7,185.24	7,317.11	7,148.92	42.65	18.12	-92.03	974.93	3,659.49	701.46	662.35	39.11	17.934		
8,900.00	7,184.89	7,316.77	7,148.58	44.10	18.12	-91.81	974.94	3,659.49	602.42	563.32	39.10	15.407		
9,000.00	7,184.53	7,316.43	7,148.24	45.56	18.12	-91.60	974.94	3,659.49	503.75	464.61	39.14	12.869		
9,100.00	7,184.17	7,316.09	7,147.90	47.04	18.12	-91.38	974.94	3,659.49	405.74	366.37	39.36	10.308		
9,200.00	7,183.81	7,315.74	7,147.56	48.52	18.12	-91.16	974.94	3,659.49	308.99	268.88	40.12	7.702		
9,300.00	7,183.45	7,315.39	7,147.21	50.03	18.12	-90.93	974.95	3,659.49	215.25	172.49	42.76	5.033		
9,400.00	7,183.09	7,315.05	7,146.86	51.54	18.12	-90.71	974.95	3,659.49	131.10	78.58	52.53	2.496		
9,495.73	7,182.75	7,314.71	7,146.52	52.99	18.12	-90.50	974.95	3,659.49	89.58	18.85	70.73	1.266	Level 3, CC	
9,500.00	7,182.73	7,314.69	7,146.51	53.06	18.12	-90.49	974.95	3,659.49	89.68	18.69	70.99	1.263	Level 3, ES, SF	
9,600.00	7,182.37	7,314.32	7,146.14	54.59	18.12	-90.25	974.96	3,659.49	136.52	76.16	60.35	2.262		
9,700.00	7,182.01	7,313.93	7,145.75	56.12	18.12	-90.01	974.96	3,659.49	220.91	169.75	51.17	4.318		
9,800.00	7,181.65	7,313.54	7,145.35	57.67	18.12	-89.76	974.96	3,659.49	314.57	267.37	47.20	6.665		
9,900.00	7,181.30	7,313.14	7,144.95	59.23	18.12	-89.51	974.97	3,659.49	411.23	365.98	45.25	9.089		
10,000.00	7,180.94	7,312.74	7,144.55	60.79	18.12	-89.27	974.97	3,659.49	509.18	465.02	44.16	11.531		
10,100.00	7,180.58	7,312.34	7,144.15	62.36	18.11	-89.01	974.97	3,659.49	607.79	564.30	43.49	13.975		
10,200.00	7,180.22	7,311.93	7,143.74	63.94	18.11	-88.76	974.98	3,659.49	706.80	663.74	43.06	16.415		
10,300.00	7,179.86	7,311.63	7,143.44	65.52	18.11	-88.58	974.98	3,659.49	806.05	763.28	42.77	18.845		
10,400.00	7,179.50	7,311.22	7,143.03	67.10	18.11	-88.32	974.98	3,659.49	905.46	862.89	42.57	21.268		
10,500.00	7,179.14	7,310.80	7,142.61	68.69	18.11	-88.06	974.98	3,659.49	1,005.00	962.56	42.44	23.681		
10,600.00	7,178.78	7,310.38	7,142.19	70.28	18.11	-87.80	974.99	3,659.49	1,104.61	1,062.27	42.35	26.085		
10,700.00	7,178.42	7,309.96	7,141.77	71.87	18.11	-87.54	974.99	3,659.49	1,204.29	1,162.00	42.29	28.479		
10,800.00	7,178.06	7,309.53	7,141.34	73.47	18.11	-87.27	975.00	3,659.49	1,304.02	1,261.77	42.25	30.863		
10,900.00	7,177.70	7,309.09	7,140.91	75.08	18.11	-87.00	975.00	3,659.49	1,403.79	1,361.55	42.24	33.237		
11,000.00	7,177.34	7,308.66	7,140.47	76.68	18.11	-86.73	975.00	3,659.49	1,503.58	1,461.35	42.23	35.600		
11,100.00	7,176.99	7,308.22	7,140.03	78.29	18.11	-86.46	975.01	3,659.49	1,603.41	1,561.16	42.25	37.954		
11,200.00	7,176.63	7,307.77	7,139.59	79.90	18.11	-86.19	975.01	3,659.49	1,703.25	1,660.98	42.27	40.297		
11,300.00	7,176.27	7,307.33	7,139.14	81.51	18.11	-85.91	975.02	3,659.49	1,803.11	1,760.81	42.30	42.629		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 usft
5N-66W-04 Offsets Incomplete - DUKE USX J 5-9 - SRCI PR Well - Actual VES Surveys (Grid to True)												<b>Offset Well Error:</b>	3.28 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7520-SRC Energy_2° CONE_2.448													
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,400.00	7,175.91	7,306.87	7,138.69	83.13	18.10	-85.63	975.02	3,659.49	1,902.99	1,860.65	42.34	44.950	
11,500.00	7,175.55	7,306.42	7,138.23	84.74	18.10	-85.35	975.03	3,659.49	2,002.87	1,960.50	42.38	47.261	
11,600.00	7,175.19	7,305.96	7,137.77	86.36	18.10	-85.07	975.03	3,659.49	2,102.77	2,060.34	42.43	49.561	
11,700.00	7,174.83	7,305.49	7,137.31	87.98	18.10	-84.78	975.03	3,659.49	2,202.68	2,160.20	42.48	51.850	
11,800.00	7,174.47	7,305.02	7,136.84	89.61	18.10	-84.49	975.04	3,659.49	2,302.60	2,260.06	42.54	54.128	
11,900.00	7,174.11	7,304.55	7,136.36	91.23	18.10	-84.20	975.04	3,659.49	2,402.52	2,359.92	42.60	56.395	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		5N-66W-04 Offsets Incomplete - SRC Northridge 4KD - SRCI P&A Well - Actual VES Surveys										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		100-SRC Energy_VESSI GyroFlex V4, 7000-SRC Energy_2" CONE_2.448										<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.00	7,182.73	7,329.43	7,091.75	53.06	23.96	-89.76	1,791.32	5,905.66	2,420.77	2,374.10	46.68	51.864	
9,600.00	7,182.37	7,329.87	7,092.19	54.59	23.96	-89.78	1,791.31	5,905.66	2,329.06	2,281.58	47.48	49.054	
9,700.00	7,182.01	7,330.30	7,092.62	56.12	23.97	-89.81	1,791.31	5,905.67	2,237.07	2,188.72	48.36	46.259	
9,800.00	7,181.65	7,330.72	7,093.05	57.67	23.98	-89.83	1,791.31	5,905.67	2,145.78	2,096.42	49.37	43.467	
9,900.00	7,181.30	7,331.15	7,093.47	59.23	23.99	-89.86	1,791.30	5,905.67	2,055.30	2,004.78	50.52	40.686	
10,000.00	7,180.94	7,331.57	7,093.90	60.79	24.00	-89.89	1,791.30	5,905.68	1,965.74	1,913.91	51.83	37.926	
10,100.00	7,180.58	7,332.00	7,094.32	62.36	24.01	-89.92	1,791.30	5,905.68	1,877.24	1,823.91	53.33	35.202	
10,200.00	7,180.22	7,332.43	7,094.75	63.94	24.02	-89.94	1,791.30	5,905.68	1,789.94	1,734.91	55.03	32.526	
10,300.00	7,179.86	7,332.85	7,095.18	65.52	24.03	-89.97	1,791.29	5,905.69	1,704.05	1,647.08	56.96	29.914	
10,400.00	7,179.50	7,333.28	7,095.60	67.10	24.03	-90.00	1,791.29	5,905.69	1,619.77	1,560.61	59.16	27.382	
10,500.00	7,179.14	7,333.70	7,096.03	68.69	24.04	-90.02	1,791.29	5,905.69	1,537.38	1,475.74	61.63	24.945	
10,600.00	7,178.78	7,334.13	7,096.46	70.28	24.05	-90.05	1,791.29	5,905.70	1,457.19	1,392.77	64.42	22.620	
10,700.00	7,178.42	7,334.56	7,096.88	71.87	24.06	-90.08	1,791.28	5,905.70	1,379.59	1,312.04	67.55	20.423	
10,800.00	7,178.06	7,334.98	7,097.31	73.47	24.07	-90.11	1,791.28	5,905.70	1,305.05	1,234.00	71.05	18.369	
10,900.00	7,177.70	7,335.41	7,097.73	75.08	24.08	-90.13	1,791.28	5,905.71	1,234.11	1,159.19	74.92	16.472	
11,000.00	7,177.34	7,335.84	7,098.16	76.68	24.09	-90.16	1,791.28	5,905.71	1,167.43	1,088.26	79.17	14.746	
11,100.00	7,176.99	7,336.26	7,098.59	78.29	24.10	-90.19	1,791.27	5,905.71	1,105.79	1,022.02	83.77	13.200	
11,200.00	7,176.63	7,336.69	7,099.01	79.90	24.10	-90.22	1,791.27	5,905.72	1,050.07	961.41	88.66	11.844	
11,300.00	7,176.27	7,337.11	7,099.44	81.51	24.11	-90.24	1,791.27	5,905.72	1,001.26	907.55	93.71	10.684	
11,400.00	7,175.91	7,337.54	7,099.86	83.13	24.12	-90.27	1,791.26	5,905.72	960.41	861.65	98.76	9.725	
11,500.00	7,175.55	7,337.97	7,100.29	84.74	24.13	-90.30	1,791.26	5,905.73	928.58	825.02	103.56	8.966	
11,600.00	7,175.19	7,338.39	7,100.72	86.36	24.14	-90.32	1,791.26	5,905.73	906.72	798.87	107.85	8.407	
11,700.00	7,174.83	7,338.82	7,101.14	87.98	24.15	-90.35	1,791.26	5,905.73	895.55	784.20	111.35	8.043	
11,750.64	7,174.65	7,339.03	7,101.36	88.81	24.15	-90.37	1,791.25	5,905.74	894.12	781.36	112.76	7.930 CC, ES	
11,800.00	7,174.47	7,339.25	7,101.57	89.61	24.16	-90.38	1,791.25	5,905.74	895.48	781.62	113.86	7.865	
11,900.00	7,174.11	7,339.67	7,102.00	91.23	24.17	-90.41	1,791.25	5,905.74	906.51	791.24	115.27	7.864 SF	
12,000.00	7,173.75	7,340.10	7,102.42	92.86	24.17	-90.43	1,791.25	5,905.74	928.24	812.64	115.60	8.030	
12,100.00	7,173.39	7,340.52	7,102.85	94.49	24.18	-90.46	1,791.25	5,905.75	959.95	844.97	114.97	8.349	
12,200.00	7,173.03	7,340.95	7,103.27	96.12	24.19	-90.49	1,791.24	5,905.75	1,000.68	887.09	113.59	8.809	
12,300.00	7,172.68	7,341.38	7,103.70	97.75	24.20	-90.52	1,791.24	5,905.75	1,049.40	937.73	111.67	9.397	
12,400.00	7,172.32	7,341.80	7,104.13	99.38	24.21	-90.54	1,791.24	5,905.76	1,105.04	995.64	109.40	10.101	
12,500.00	7,171.96	7,342.23	7,104.55	101.01	24.22	-90.57	1,791.23	5,905.76	1,166.61	1,059.67	106.94	10.909	
12,600.00	7,171.60	7,342.65	7,104.98	102.65	24.23	-90.60	1,791.23	5,905.76	1,233.22	1,128.80	104.43	11.810	
12,700.00	7,171.24	7,343.08	7,105.40	104.28	24.24	-90.63	1,791.23	5,905.77	1,304.11	1,202.18	101.94	12.793	
12,800.00	7,170.88	7,343.51	7,105.83	105.92	24.24	-90.65	1,791.23	5,905.77	1,378.61	1,279.08	99.53	13.851	
12,900.00	7,170.52	7,343.93	7,106.26	107.56	24.25	-90.68	1,791.22	5,905.77	1,456.17	1,358.93	97.24	14.975	
13,000.00	7,170.16	7,344.36	7,106.68	109.20	24.26	-90.71	1,791.22	5,905.78	1,536.33	1,441.24	95.09	16.157	
13,100.00	7,169.80	7,344.79	7,107.11	110.84	24.27	-90.73	1,791.22	5,905.78	1,618.70	1,525.62	93.08	17.391	
13,200.00	7,169.44	7,345.21	7,107.54	112.48	24.28	-90.76	1,791.22	5,905.78	1,702.95	1,611.75	91.21	18.672	
13,300.00	7,169.08	7,345.64	7,107.96	114.12	24.29	-90.79	1,791.21	5,905.79	1,788.83	1,699.36	89.47	19.993	
13,400.00	7,168.72	7,346.06	7,108.39	115.77	24.30	-90.82	1,791.21	5,905.79	1,876.11	1,788.23	87.87	21.350	
13,500.00	7,168.37	7,346.49	7,108.81	117.41	24.31	-90.84	1,791.21	5,905.79	1,964.60	1,878.20	86.39	22.740	
13,600.00	7,168.01	7,346.92	7,109.24	119.05	24.32	-90.87	1,791.21	5,905.80	2,054.14	1,969.12	85.03	24.158	
13,700.00	7,167.65	7,347.34	7,109.67	120.70	24.32	-90.90	1,791.20	5,905.80	2,144.61	2,060.85	83.77	25.602	
13,800.00	7,167.29	7,347.77	7,110.09	122.35	24.33	-90.93	1,791.20	5,905.80	2,235.90	2,153.29	82.61	27.067	
13,900.00	7,166.93	7,348.20	7,110.52	123.99	24.34	-90.95	1,791.20	5,905.81	2,327.90	2,246.37	81.53	28.552	
14,000.00	7,166.57	7,348.62	7,110.95	125.64	24.35	-90.98	1,791.19	5,905.81	2,420.53	2,339.99	80.54	30.055	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 Offsets Incomplete - BOOMERANG 28C-3-L - SRC Energy PR Well - Actual BHI Surveys													Offset Site Error:	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1858-SRC Energy_ISCWSA REV 2 MWD+IFR1													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,100.00	3,025.38	3,411.50	3,369.13	9.45	10.06	-32.09	2,552.66	1,556.24	2,466.37	2,449.66	16.71	147.566		
3,200.00	3,122.22	3,522.83	3,478.94	9.69	10.29	-32.31	2,534.45	1,554.31	2,430.01	2,412.89	17.12	141.972		
3,300.00	3,219.05	3,618.77	3,573.57	9.94	10.50	-32.55	2,518.93	1,551.23	2,393.24	2,375.72	17.52	136.628		
3,400.00	3,315.89	3,720.87	3,674.25	10.20	10.73	-32.82	2,502.35	1,547.54	2,356.29	2,338.35	17.94	131.342		
3,500.00	3,412.73	3,810.99	3,763.10	10.48	10.94	-33.08	2,487.82	1,543.70	2,319.23	2,300.87	18.36	126.300		
3,600.00	3,509.56	3,904.46	3,855.28	10.75	11.17	-33.37	2,473.00	1,539.21	2,282.24	2,263.43	18.80	121.375		
3,700.00	3,606.40	4,000.31	3,949.80	11.04	11.41	-33.69	2,457.89	1,534.13	2,245.19	2,225.94	19.26	116.581		
3,800.00	3,703.24	4,091.05	4,039.27	11.33	11.65	-34.02	2,443.75	1,528.87	2,208.17	2,188.45	19.72	111.982		
3,900.00	3,800.07	4,180.10	4,127.10	11.63	11.88	-34.37	2,430.12	1,523.34	2,171.31	2,151.12	20.19	107.556		
4,000.00	3,896.91	4,272.75	4,218.49	11.93	12.13	-34.76	2,416.20	1,517.13	2,134.58	2,113.91	20.67	103.262		
4,100.00	3,993.75	4,365.31	4,309.78	12.24	12.38	-35.18	2,402.53	1,510.28	2,097.91	2,076.75	21.16	99.123		
4,200.00	4,090.58	4,457.70	4,400.90	12.55	12.62	-35.61	2,388.85	1,503.46	2,061.32	2,039.66	21.66	95.157		
4,300.00	4,187.42	4,545.51	4,487.51	12.87	12.84	-35.99	2,375.39	1,498.30	2,024.91	2,002.75	22.16	91.383		
4,400.00	4,284.26	4,632.79	4,573.61	13.19	13.06	-36.33	2,361.48	1,495.09	1,988.80	1,966.14	22.66	87.754		
4,500.00	4,381.09	4,717.40	4,657.07	13.52	13.27	-36.61	2,347.64	1,493.63	1,953.05	1,929.88	23.17	84.279		
4,600.00	4,477.93	4,812.05	4,750.44	13.85	13.52	-36.91	2,332.14	1,492.73	1,917.59	1,893.89	23.70	80.896		
4,700.00	4,574.77	4,912.67	4,849.68	14.18	13.80	-37.28	2,315.67	1,490.90	1,881.89	1,857.64	24.25	77.600		
4,800.00	4,671.60	5,008.88	4,944.57	14.52	14.07	-37.70	2,300.26	1,487.28	1,845.95	1,821.15	24.80	74.428		
4,900.00	4,768.44	5,100.89	5,035.33	14.86	14.34	-38.18	2,286.02	1,482.22	1,810.03	1,784.67	25.36	71.387		
5,000.00	4,865.27	5,182.56	5,115.92	15.20	14.58	-38.67	2,274.08	1,476.41	1,774.48	1,748.57	25.90	68.504		
5,100.00	4,962.11	5,271.56	5,203.76	15.54	14.84	-39.28	2,262.01	1,468.72	1,739.55	1,713.09	26.47	65.724		
5,200.00	5,058.95	5,356.97	5,288.01	15.89	15.08	-39.93	2,250.95	1,460.12	1,704.94	1,677.91	27.04	63.060		
5,300.00	5,155.78	5,437.54	5,367.50	16.24	15.31	-40.60	2,241.23	1,451.24	1,671.11	1,643.50	27.61	60.528		
5,400.00	5,252.62	5,521.14	5,449.97	16.59	15.55	-41.36	2,232.03	1,441.14	1,638.18	1,609.99	28.19	58.108		
5,500.00	5,349.46	5,623.05	5,550.52	16.94	15.81	-42.32	2,220.81	1,428.85	1,605.63	1,576.83	28.80	55.756		
5,600.00	5,446.29	5,734.25	5,660.20	17.30	16.10	-43.32	2,206.61	1,417.30	1,572.24	1,542.82	29.42	53.450		
5,700.00	5,543.13	5,856.99	5,781.16	17.65	16.44	-44.39	2,188.65	1,406.83	1,537.99	1,507.94	30.05	51.183		
5,800.00	5,639.97	5,975.35	5,897.33	18.01	16.80	-45.48	2,168.78	1,395.93	1,501.84	1,471.14	30.70	48.926		
5,900.00	5,736.80	6,057.12	5,977.57	18.37	17.05	-46.24	2,154.52	1,389.32	1,465.69	1,434.37	31.32	46.792		
6,000.00	5,833.64	6,140.22	6,059.28	18.73	17.30	-46.94	2,140.04	1,384.83	1,430.37	1,398.41	31.95	44.762		
6,100.00	5,930.48	6,259.78	6,176.64	19.09	17.66	-47.85	2,117.51	1,381.96	1,394.48	1,361.89	32.59	42.790		
6,200.00	6,027.31	6,336.00	6,251.31	19.46	17.89	-48.35	2,102.21	1,382.59	1,358.26	1,325.04	33.22	40.893		
6,300.00	6,124.15	6,402.65	6,316.71	19.82	18.08	-48.72	2,089.59	1,384.88	1,323.65	1,289.81	33.84	39.117		
6,400.00	6,220.99	6,480.71	6,393.53	20.19	18.31	-49.13	2,076.34	1,389.03	1,291.12	1,256.66	34.46	37.470		
6,500.00	6,317.82	6,580.60	6,491.90	20.55	18.59	-49.70	2,059.69	1,393.80	1,258.95	1,223.87	35.08	35.888		
6,600.00	6,414.66	6,681.17	6,590.93	20.92	18.90	-50.39	2,042.43	1,396.70	1,226.17	1,190.45	35.72	34.332		
6,700.00	6,511.50	6,760.02	6,668.56	21.29	19.12	-50.94	2,028.96	1,399.53	1,193.74	1,157.38	36.36	32.833		
6,800.00	6,608.33	6,852.81	6,759.28	21.66	19.38	-51.20	2,013.55	1,410.95	1,162.70	1,125.74	36.96	31.455		
6,900.00	6,705.11	6,967.00	6,866.37	22.03	19.67	-54.91	1,991.49	1,443.28	1,130.43	1,092.94	37.49	30.150		
7,000.00	6,799.10	7,054.67	6,943.14	22.47	19.89	-68.83	1,972.99	1,481.22	1,097.45	1,059.30	38.15	28.764		
7,100.00	6,887.20	7,124.52	7,000.61	23.02	20.05	-76.86	1,958.81	1,518.22	1,066.10	1,027.10	39.01	27.331		
7,200.00	6,967.23	7,187.09	7,047.96	23.68	20.18	-82.28	1,947.61	1,557.51	1,038.36	998.34	40.02	25.945		
7,300.00	7,037.23	7,244.43	7,087.40	24.45	20.29	-86.22	1,939.30	1,598.25	1,015.59	974.37	41.21	24.642		
7,400.00	7,095.47	7,307.85	7,126.33	25.31	20.40	-89.14	1,932.48	1,647.82	998.55	955.93	42.62	23.431		
7,500.00	7,140.51	7,382.70	7,166.02	26.27	20.54	-91.37	1,926.89	1,710.97	987.18	942.91	44.27	22.301		
7,600.00	7,171.26	7,479.08	7,207.00	27.31	20.86	-93.21	1,920.87	1,797.93	979.82	933.46	46.36	21.135		
7,700.00	7,186.94	7,569.70	7,235.42	28.40	21.58	-94.58	1,916.28	1,883.80	976.55	927.83	48.72	20.043		
7,729.38	7,188.93	7,595.89	7,241.44	28.72	21.89	-94.85	1,915.26	1,909.26	976.41	926.94	49.47	19.737 CC		
7,800.00	7,188.83	7,660.42	7,251.65	29.51	22.82	-95.44	1,913.42	1,972.93	977.65	926.31	51.34	19.044		
7,900.00	7,188.47	7,749.96	7,259.36	30.67	24.39	-95.90	1,911.91	2,062.11	980.10	925.92	54.18	18.091		
8,000.00	7,188.11	7,820.22	7,263.76	31.88	25.75	-96.16	1,912.48	2,132.23	984.83	928.01	56.82	17.332		
8,100.00	7,187.76	7,912.38	7,270.89	33.12	27.67	-96.55	1,914.94	2,224.07	991.58	931.57	60.01	16.523		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 Offsets Incomplete - BOOMERANG 28C-3-L - SRC Energy PR Well - Actual BHI Surveys													Offset Site Error:	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1858-SRC Energy_ISCWSA REV 2 MWD+IFR1													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,200.00	7,187.40	8,105.39	7,289.66	34.40	32.14	-97.66	1,910.37	2,416.03	993.41	927.83	65.58	15.149		
8,300.00	7,187.04	8,216.36	7,300.42	35.71	34.92	-98.33	1,902.02	2,526.16	990.51	920.97	69.53	14.245		
8,400.00	7,186.68	8,315.65	7,308.07	37.05	37.48	-98.83	1,894.50	2,624.86	987.39	914.04	73.34	13.463		
8,500.00	7,186.32	8,419.82	7,311.58	38.42	40.23	-99.09	1,886.78	2,728.68	983.83	906.47	77.36	12.717		
8,600.00	7,185.96	8,508.46	7,311.21	39.81	42.59	-99.12	1,881.03	2,817.13	980.62	899.50	81.13	12.088		
8,700.00	7,185.60	8,587.13	7,309.57	41.22	44.71	-99.05	1,877.62	2,895.71	979.27	894.57	84.69	11.563		
8,712.21	7,185.56	8,596.74	7,309.33	41.39	44.96	-99.03	1,877.33	2,905.31	979.25	894.12	85.13	11.503		
8,800.00	7,185.24	8,665.95	7,307.56	42.65	46.83	-98.94	1,876.01	2,974.48	980.09	891.81	88.28	11.102		
8,900.00	7,184.89	8,757.17	7,305.16	44.10	49.31	-98.80	1,875.55	3,065.67	982.43	890.22	92.22	10.653		
9,000.00	7,184.53	8,853.03	7,302.74	45.56	51.93	-98.65	1,875.68	3,161.50	985.44	889.12	96.32	10.231		
9,100.00	7,184.17	8,962.88	7,298.46	47.04	54.96	-98.39	1,875.73	3,271.25	988.16	887.28	100.88	9.796		
9,200.00	7,183.81	9,066.47	7,293.34	48.52	57.84	-98.10	1,875.35	3,374.72	990.34	885.03	105.31	9.404		
9,300.00	7,183.45	9,176.71	7,287.76	50.03	60.94	-97.78	1,873.97	3,484.81	991.65	881.69	109.96	9.018		
9,400.00	7,183.09	9,276.70	7,282.75	51.54	63.77	-97.51	1,872.04	3,584.66	992.32	877.97	114.35	8.678		
9,500.00	7,182.73	9,359.64	7,280.74	53.06	66.12	-97.40	1,870.78	3,667.55	993.79	875.56	118.24	8.405		
9,600.00	7,182.37	9,438.88	7,281.01	54.59	68.36	-97.42	1,871.24	3,746.79	996.18	874.22	121.96	8.168		
9,700.00	7,182.01	9,536.20	7,281.80	56.12	71.12	-97.48	1,872.78	3,844.10	997.33	871.11	126.22	7.902		
9,800.00	7,181.65	9,639.04	7,282.53	57.67	74.05	-97.53	1,874.16	3,946.93	998.16	867.49	130.68	7.638		
9,900.00	7,181.30	9,738.62	7,283.30	59.23	76.89	-97.59	1,875.56	4,046.50	999.07	864.03	135.04	7.398		
10,000.00	7,180.94	9,839.05	7,284.27	60.79	79.76	-97.66	1,876.79	4,146.91	999.83	860.38	139.45	7.170		
10,100.00	7,180.58	9,936.10	7,285.16	62.36	82.54	-97.73	1,878.16	4,243.94	1,000.77	857.02	143.75	6.962		
10,200.00	7,180.22	10,036.98	7,286.10	63.94	85.44	-97.79	1,879.80	4,344.81	1,001.92	853.74	148.18	6.761		
10,300.00	7,179.86	10,144.78	7,287.09	65.52	88.55	-97.87	1,881.04	4,452.59	1,002.61	849.76	152.85	6.560		
10,400.00	7,179.50	10,247.26	7,288.24	67.10	91.51	-97.95	1,881.54	4,555.07	1,002.66	845.31	157.35	6.372		
10,500.00	7,179.14	10,363.19	7,289.36	68.69	94.88	-98.05	1,881.20	4,670.99	1,001.93	839.68	162.25	6.175		
10,600.00	7,178.78	10,462.98	7,290.30	70.28	97.78	-98.14	1,880.15	4,770.77	1,000.43	833.76	166.68	6.002		
10,700.00	7,178.42	10,567.47	7,291.32	71.87	100.83	-98.23	1,878.82	4,875.25	998.73	827.49	171.24	5.832		
10,800.00	7,178.06	10,672.97	7,292.27	73.47	103.91	-98.21	1,876.93	4,980.72	996.23	820.35	175.88	5.664		
10,900.00	7,177.70	10,759.79	7,288.83	75.08	106.43	-98.17	1,875.71	5,067.52	994.06	814.05	180.01	5.522		
10,951.88	7,177.52	10,799.18	7,288.14	75.91	107.58	-98.14	1,875.79	5,106.91	993.73	811.76	181.97	5.461		
11,000.00	7,177.34	10,839.67	7,287.43	76.68	108.76	-98.10	1,876.33	5,147.39	993.97	810.07	183.90	5.405		
11,100.00	7,176.99	10,933.38	7,286.31	78.29	111.47	-98.05	1,878.10	5,241.07	995.09	806.89	188.19	5.288		
11,200.00	7,176.63	11,032.44	7,285.21	79.90	114.35	-97.99	1,880.38	5,340.10	996.63	803.96	192.67	5.173		
11,300.00	7,176.27	11,138.80	7,283.98	81.51	117.44	-97.93	1,882.44	5,446.43	997.80	800.40	197.40	5.055		
11,400.00	7,175.91	11,248.66	7,283.38	83.13	120.65	-97.92	1,883.66	5,556.28	998.25	796.03	202.22	4.936		
11,477.67	7,175.63	11,325.02	7,283.00	84.38	122.88	-97.91	1,883.93	5,632.64	998.01	792.33	205.68	4.852		
11,500.00	7,175.55	11,344.62	7,282.89	84.74	123.45	-97.91	1,884.09	5,652.24	998.04	791.44	206.61	4.831		
11,600.00	7,175.19	11,434.74	7,282.33	86.36	126.08	-97.89	1,885.44	5,742.35	998.86	788.06	210.80	4.738		
11,700.00	7,174.83	11,526.68	7,281.82	87.98	128.76	-97.87	1,887.60	5,834.26	1,000.53	785.49	215.04	4.653		
11,800.00	7,174.47	11,621.97	7,281.33	89.61	131.53	-97.84	1,890.51	5,929.50	1,002.90	783.51	219.39	4.571		
11,900.00	7,174.11	11,726.77	7,280.77	91.23	134.58	-97.81	1,893.77	6,034.25	1,005.33	781.25	224.08	4.486		
12,000.00	7,173.75	11,848.44	7,279.76	92.86	138.14	-97.77	1,895.97	6,155.89	1,006.45	777.11	229.34	4.388		
12,100.00	7,173.39	11,949.61	7,279.04	94.49	141.11	-97.75	1,896.56	6,257.06	1,006.34	772.43	233.91	4.302		
12,200.00	7,173.03	12,055.83	7,278.12	96.12	144.22	-97.72	1,896.66	6,363.27	1,005.73	767.09	238.64	4.214		
12,300.00	7,172.68	12,158.61	7,277.39	97.75	147.24	-97.71	1,896.49	6,466.06	1,004.89	761.62	243.27	4.131		
12,400.00	7,172.32	12,270.09	7,276.63	99.38	150.52	-97.70	1,895.36	6,577.52	1,003.21	755.08	248.12	4.043		
12,500.00	7,171.96	12,381.77	7,275.87	101.01	153.82	-97.70	1,892.92	6,689.18	1,000.37	747.42	252.95	3.955		
12,600.00	7,171.60	12,484.92	7,275.14	102.65	156.86	-97.71	1,889.81	6,792.28	996.70	739.13	257.57	3.870		
12,700.00	7,171.24	12,581.72	7,274.35	104.28	159.72	-97.72	1,886.95	6,889.03	993.08	731.04	262.04	3.790		
12,800.00	7,170.88	12,680.75	7,273.34	105.92	162.64	-97.70	1,884.31	6,988.02	989.71	723.13	266.58	3.713		
12,900.00	7,170.52	12,770.71	7,272.39	107.56	165.29	-97.69	1,882.36	7,077.95	986.84	715.95	270.89	3.643		
13,000.00	7,170.16	12,855.32	7,271.51	109.20	167.78	-97.66	1,881.62	7,162.55	985.27	710.24	275.03	3.582		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 Offsets Incomplete - BOOMERANG 28C-3-L - SRC Energy PR Well - Actual BHI Surveys													Offset Site Error:	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1858-SRC Energy_ISCWSA REV 2 MWD+IFR1													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,071.51	7,169.90	12,919.30	7,271.05	110.37	169.66	-97.65	1,881.86	7,226.54	985.04	706.98	278.05	3.543		
13,100.00	7,169.80	12,945.63	7,270.89	110.84	170.43	-97.65	1,882.07	7,252.86	985.07	705.79	279.28	3.527		
13,200.00	7,169.44	13,016.11	7,270.52	112.48	172.49	-97.63	1,883.47	7,323.32	986.50	703.74	282.76	3.489		
13,300.00	7,169.08	13,094.08	7,270.17	114.12	174.76	-97.60	1,887.92	7,401.16	991.36	705.01	286.35	3.462		
13,400.00	7,168.72	13,230.29	7,272.12	115.77	178.74	-97.70	1,893.96	7,537.21	995.51	703.19	292.33	3.405		
13,500.00	7,168.37	13,318.79	7,272.45	117.41	181.33	-97.72	1,896.15	7,625.68	997.47	701.06	296.42	3.365		
13,600.00	7,168.01	13,404.68	7,271.21	119.05	183.83	-97.64	1,900.06	7,711.46	1,001.19	700.78	300.41	3.333		
13,700.00	7,167.65	13,514.09	7,273.25	120.70	187.03	-97.75	1,905.07	7,820.74	1,005.43	700.15	305.28	3.293		
13,800.00	7,167.29	13,638.30	7,274.72	122.35	190.67	-97.84	1,908.42	7,944.89	1,007.70	697.01	310.68	3.243		
13,900.00	7,166.93	13,782.51	7,275.36	123.99	194.93	-97.92	1,907.65	8,089.09	1,006.71	690.31	316.40	3.182		
14,000.00	7,166.57	13,916.09	7,275.98	125.64	198.88	-98.03	1,901.32	8,222.51	1,001.45	680.04	321.41	3.116		
14,100.00	7,166.21	13,977.83	7,275.81	127.29	200.71	-98.06	1,899.03	8,284.20	996.95	671.61	325.34	3.064		
14,200.00	7,165.85	14,050.87	7,275.09	128.94	202.86	-98.04	1,898.46	8,357.24	995.43	666.23	329.20	3.024		
14,209.22	7,165.82	14,057.77	7,275.01	129.09	203.07	-98.04	1,898.50	8,364.14	995.42	665.87	329.55	3.021		
14,300.00	7,165.49	14,137.55	7,274.13	130.59	205.41	-98.00	1,899.79	8,443.90	996.17	662.82	333.35	2.988		
14,400.00	7,165.13	14,235.98	7,273.13	132.24	208.30	-97.95	1,901.68	8,542.31	997.34	659.46	337.88	2.952		
14,500.00	7,164.77	14,341.47	7,272.78	133.89	211.40	-97.94	1,903.55	8,647.78	998.48	655.85	342.63	2.914		
14,600.00	7,164.41	14,456.64	7,271.44	135.54	214.80	-97.89	1,904.42	8,762.94	998.49	650.79	347.70	2.872		
14,619.62	7,164.34	14,479.52	7,271.08	135.86	215.47	-97.88	1,904.37	8,785.82	998.30	649.60	348.70	2.863		
14,700.00	7,164.06	14,525.63	7,270.39	137.19	216.83	-97.84	1,905.40	8,831.91	999.14	647.90	351.24	2.845		
14,800.00	7,163.70	14,616.99	7,268.60	138.84	219.50	-97.73	1,909.21	8,923.17	1,002.39	646.86	355.52	2.819		
14,900.00	7,163.34	14,718.58	7,265.30	140.49	222.47	-97.54	1,913.30	9,024.62	1,005.36	645.08	360.28	2.791		
15,000.00	7,162.98	14,827.51	7,261.65	142.15	225.66	-97.33	1,917.35	9,133.41	1,008.03	642.69	365.34	2.759		
15,100.00	7,162.62	14,929.14	7,258.29	143.80	228.64	-97.14	1,920.44	9,234.95	1,010.05	639.95	370.10	2.729		
15,200.00	7,162.26	15,039.72	7,254.65	145.45	231.89	-96.95	1,923.24	9,345.43	1,011.58	636.39	375.18	2.696		
15,300.00	7,161.90	15,158.84	7,250.77	147.11	235.40	-96.75	1,924.31	9,464.48	1,011.48	630.99	380.49	2.658		
15,400.00	7,161.54	15,251.82	7,248.14	148.76	238.14	-96.63	1,924.13	9,557.42	1,010.40	625.45	384.95	2.625		
15,411.84	7,161.50	15,260.93	7,248.01	148.96	238.41	-96.62	1,924.19	9,566.52	1,010.38	624.97	385.41	2.622		
15,500.00	7,161.18	15,342.72	7,247.88	150.42	240.82	-96.63	1,925.30	9,648.31	1,011.00	621.77	389.24	2.597		
15,600.00	7,160.82	15,455.15	7,248.18	152.07	244.14	-96.67	1,925.94	9,760.74	1,011.01	616.83	394.18	2.565		
15,696.91	7,160.47	15,546.02	7,248.44	153.68	246.82	-96.70	1,925.94	9,851.61	1,010.48	612.08	398.41	2.536		
15,700.00	7,160.46	15,548.70	7,248.45	153.73	246.90	-96.70	1,925.96	9,854.29	1,010.49	611.95	398.54	2.535		
15,800.00	7,160.10	15,626.94	7,248.65	155.38	249.20	-96.73	1,927.14	9,932.51	1,011.46	609.13	402.32	2.514		
15,900.00	7,159.75	15,734.34	7,249.16	157.04	252.36	-96.76	1,930.69	10,039.85	1,014.27	607.12	407.15	2.491		
16,000.00	7,159.39	15,875.47	7,249.85	158.70	256.53	-96.83	1,930.64	10,180.98	1,013.71	600.85	412.86	2.455		
16,100.00	7,159.03	16,037.80	7,250.54	160.35	261.35	-96.97	1,922.05	10,343.05	1,007.84	589.97	417.86	2.412		
16,200.00	7,158.67	16,138.09	7,250.89	162.01	264.32	-97.07	1,913.62	10,442.98	998.95	576.59	422.36	2.365		
16,300.00	7,158.31	16,220.44	7,251.21	163.67	266.77	-97.16	1,907.48	10,525.10	991.01	564.11	426.90	2.321		
16,400.00	7,157.95	16,307.33	7,251.60	165.33	269.35	-97.24	1,902.34	10,611.84	984.60	553.24	431.36	2.283		
16,500.00	7,157.59	16,387.53	7,251.90	166.99	271.72	-97.30	1,898.83	10,691.96	979.74	544.07	435.66	2.249		
16,600.00	7,157.23	16,463.27	7,252.16	168.64	273.96	-97.35	1,897.25	10,767.68	977.14	537.44	439.70	2.222		
16,649.21	7,157.05	16,499.71	7,252.33	169.46	275.04	-97.37	1,897.20	10,804.12	976.82	535.26	441.56	2.212		
16,700.00	7,156.87	16,542.43	7,252.56	170.30	276.30	-97.39	1,897.65	10,846.84	977.07	533.48	443.59	2.203		
16,800.00	7,156.51	16,630.66	7,252.93	171.96	278.90	-97.42	1,899.36	10,935.05	978.47	530.79	447.68	2.186		
16,900.00	7,156.15	16,719.83	7,253.22	173.62	281.52	-97.44	1,902.29	11,024.17	981.16	529.40	451.76	2.172		
17,000.00	7,155.79	16,825.53	7,253.40	175.28	284.62	-97.45	1,906.13	11,129.80	984.22	527.64	456.57	2.156		
17,100.00	7,155.44	16,935.36	7,252.29	176.94	287.85	-97.39	1,908.91	11,239.59	985.98	524.38	461.60	2.136		
17,200.00	7,155.08	17,031.49	7,252.64	178.60	290.68	-97.42	1,911.07	11,335.69	987.67	521.68	465.99	2.119		
17,300.00	7,154.72	17,125.70	7,253.14	180.26	293.45	-97.45	1,913.68	11,429.87	989.90	519.61	470.29	2.105		
17,400.00	7,154.36	17,221.11	7,253.87	181.92	296.26	-97.49	1,916.82	11,525.22	992.68	518.06	474.61	2.092		
17,500.00	7,154.00	17,330.58	7,256.52	183.58	299.47	-97.65	1,920.15	11,634.60	995.45	516.01	479.44	2.076		
17,600.00	7,153.64	17,457.12	7,261.61	185.24	303.21	-97.96	1,921.17	11,761.04	996.23	511.61	484.62	2.056		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 usft
5N-66W-05 Offsets Incomplete - BOOMERANG 28C-3-L - SRC Energy PR Well - Actual BHI Surveys												<b>Offset Well Error:</b>	3.28 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1858-SRC Energy_ISCWSA REV 2 MWD+IFR1													
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,700.00	7,153.28	17,567.86	7,267.15	186.90	306.48	-98.31	1,920.16	11,871.62	995.49	506.40	489.10	2.035	
17,800.00	7,152.92	17,700.75	7,269.92	188.56	310.42	-98.54	1,915.75	12,004.40	991.86	497.94	493.92	2.008	
17,900.00	7,152.56	17,775.58	7,269.26	190.23	312.63	-98.55	1,912.93	12,079.17	987.61	489.45	498.16	1.983	
17,969.77	7,152.31	17,822.00	7,268.84	191.38	314.01	-98.54	1,912.81	12,125.59	986.86	486.09	500.77	1.971	
18,000.00	7,152.20	17,844.91	7,268.65	191.89	314.68	-98.53	1,913.11	12,148.49	987.01	485.10	501.91	1.966	
18,100.00	7,151.84	17,937.64	7,267.96	193.55	317.42	-98.50	1,914.65	12,241.21	987.97	481.72	506.25	1.952	
18,156.36	7,151.64	17,987.19	7,267.61	194.48	318.88	-98.49	1,915.86	12,290.74	988.94	480.38	508.56	1.945 ES, SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 Offsets Incomplete - BOOMERANG 34N-6C-M - SRC PR Well - Actual BHI Surveys													Offset Site Error:	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1858-SRC Energy_ISCWSA REV 2 MWD+IFR1													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,700.00	3,606.40	3,828.80	3,762.99	11.04	12.06	-22.87	2,505.19	2,013.85	2,494.80	2,473.11	21.69	115.025		
3,800.00	3,703.24	3,887.26	3,820.22	11.33	12.21	-22.74	2,495.74	2,021.05	2,465.17	2,443.06	22.11	111.488		
3,900.00	3,800.07	3,957.54	3,889.03	11.63	12.39	-22.56	2,485.00	2,030.53	2,436.85	2,414.28	22.57	107.972		
4,000.00	3,896.91	4,040.10	3,969.84	11.93	12.61	-22.35	2,472.79	2,042.15	2,409.29	2,386.23	23.07	104.450		
4,100.00	3,993.75	4,135.87	4,063.64	12.24	12.88	-22.10	2,458.89	2,055.71	2,382.06	2,358.44	23.61	100.886		
4,200.00	4,090.58	4,231.22	4,157.01	12.55	13.16	-21.84	2,444.93	2,069.04	2,354.66	2,330.49	24.17	97.416		
4,300.00	4,187.42	4,331.57	4,255.32	12.87	13.46	-21.57	2,430.52	2,083.13	2,327.58	2,302.83	24.75	94.044		
4,400.00	4,284.26	4,443.05	4,364.49	13.19	13.80	-21.27	2,413.78	2,098.22	2,299.72	2,274.35	25.37	90.653		
4,500.00	4,381.09	4,544.98	4,464.30	13.52	14.13	-20.98	2,398.20	2,111.84	2,271.62	2,245.65	25.98	87.453		
4,600.00	4,477.93	4,678.38	4,594.95	13.85	14.57	-20.60	2,377.10	2,128.58	2,242.75	2,216.08	26.67	84.086		
4,700.00	4,574.77	4,809.23	4,723.06	14.18	15.01	-20.24	2,354.77	2,143.07	2,212.06	2,184.70	27.36	80.846		
4,800.00	4,671.60	4,919.61	4,831.17	14.52	15.38	-19.94	2,335.39	2,153.97	2,180.42	2,152.41	28.00	77.869		
4,900.00	4,768.44	5,012.44	4,922.09	14.86	15.68	-19.68	2,318.88	2,162.85	2,148.47	2,119.88	28.59	75.145		
5,000.00	4,865.27	5,111.04	5,018.71	15.20	15.98	-19.41	2,301.54	2,172.10	2,116.62	2,087.43	29.19	72.521		
5,100.00	4,962.11	5,238.97	5,144.08	15.54	16.41	-19.06	2,278.37	2,182.80	2,083.81	2,053.95	29.85	69.803		
5,200.00	5,058.95	5,328.08	5,231.35	15.89	16.69	-18.81	2,261.83	2,189.82	2,050.44	2,020.01	30.44	67.371		
5,300.00	5,155.78	5,409.86	5,311.43	16.24	16.93	-18.57	2,246.76	2,196.72	2,017.53	1,986.53	31.00	65.092		
5,400.00	5,252.62	5,485.41	5,385.40	16.59	17.15	-18.33	2,233.08	2,203.73	1,985.40	1,953.84	31.55	62.924		
5,500.00	5,349.46	5,553.44	5,452.02	16.94	17.36	-18.09	2,221.19	2,210.71	1,954.36	1,922.25	32.11	60.874		
5,600.00	5,446.29	5,620.83	5,518.03	17.30	17.56	-17.85	2,210.02	2,218.41	1,924.72	1,892.06	32.66	58.930		
5,700.00	5,543.13	5,690.88	5,586.65	17.65	17.78	-17.59	2,199.03	2,227.24	1,896.49	1,863.26	33.23	57.079		
5,800.00	5,639.97	5,781.53	5,683.17	18.01	18.08	-17.34	2,187.96	2,236.16	1,885.40	1,852.13	33.80	55.228		
5,900.00	5,736.80	5,878.36	5,780.00	18.37	18.35	-17.09	2,176.90	2,245.11	1,874.31	1,840.96	34.37	53.377		
6,000.00	5,833.64	5,970.20	5,875.84	18.73	18.62	-16.84	2,165.84	2,254.06	1,863.22	1,829.87	34.94	51.526		
6,100.00	5,930.48	6,067.04	5,977.68	19.09	18.91	-16.59	2,154.78	2,263.01	1,852.13	1,818.78	35.51	49.675		
6,200.00	6,027.31	6,163.87	6,074.51	19.46	19.18	-16.34	2,143.72	2,271.96	1,841.04	1,807.69	36.08	47.824		
6,300.00	6,124.15	6,260.71	6,171.35	19.82	19.49	-16.09	2,132.66	2,280.91	1,829.87	1,796.50	36.65	45.973		
6,400.00	6,220.99	6,357.55	6,268.19	20.19	19.85	-15.84	2,121.60	2,289.86	1,818.70	1,785.33	37.22	44.122		
6,500.00	6,317.82	6,454.38	6,363.02	20.55	20.21	-15.59	2,110.54	2,298.81	1,807.53	1,774.16	37.79	42.271		
6,600.00	6,414.66	6,551.22	6,461.86	20.92	20.57	-15.34	2,099.48	2,307.76	1,796.36	1,762.99	38.36	40.420		
6,700.00	6,511.50	6,648.06	6,558.70	21.29	20.93	-15.09	2,088.42	2,316.71	1,785.19	1,751.82	38.93	38.569		
6,800.00	6,608.33	6,744.90	6,655.53	21.66	21.29	-14.84	2,077.36	2,325.66	1,774.02	1,740.65	39.50	36.718		
6,900.00	6,705.11	6,841.74	6,752.37	22.03	21.65	-14.59	2,066.30	2,334.61	1,762.85	1,729.48	40.07	34.867		
7,000.00	6,799.10	6,938.58	6,847.21	22.40	22.01	-14.34	2,055.24	2,343.56	1,751.68	1,718.31	40.64	33.016		
7,100.00	6,893.09	7,035.42	6,943.05	22.77	22.37	-14.09	2,044.18	2,352.51	1,740.51	1,707.14	41.21	31.165		
7,200.00	6,987.08	7,132.26	7,039.89	23.14	22.73	-13.84	2,033.12	2,361.46	1,729.34	1,695.97	41.78	29.314		
7,300.00	7,081.07	7,229.10	7,136.73	23.51	23.09	-13.59	2,022.06	2,370.41	1,718.17	1,684.80	42.35	27.463		
7,400.00	7,175.06	7,325.94	7,233.57	23.88	23.45	-13.34	2,011.00	2,379.36	1,706.99	1,673.63	42.92	25.612		
7,500.00	7,269.05	7,422.78	7,330.41	24.25	23.81	-13.09	2,000.94	2,388.31	1,695.82	1,662.46	43.49	23.761		
7,600.00	7,363.04	7,519.62	7,427.25	24.62	24.17	-12.84	1,990.88	2,397.26	1,684.65	1,651.29	44.06	21.910		
7,700.00	7,457.03	7,616.46	7,524.09	25.00	24.53	-12.59	1,980.82	2,406.21	1,673.48	1,640.12	44.63	20.059		
7,800.00	7,551.02	7,713.30	7,620.93	25.37	24.89	-12.34	1,970.76	2,415.16	1,662.31	1,628.95	45.20	18.208		
7,900.00	7,645.01	7,810.14	7,717.77	25.74	25.25	-12.09	1,960.70	2,424.11	1,651.14	1,617.78	45.77	16.357		
8,000.00	7,739.00	7,906.98	7,814.61	26.11	25.61	-11.84	1,950.64	2,433.06	1,640.97	1,606.61	46.34	14.506		
8,100.00	7,833.00	8,003.82	7,911.45	26.48	25.97	-11.59	1,940.58	2,442.01	1,630.80	1,595.44	46.91	12.655		
8,200.00	7,927.00	8,100.66	8,008.29	26.85	26.33	-11.34	1,930.52	2,450.96	1,620.63	1,584.27	47.48	10.804		
8,300.00	8,021.00	8,197.50	8,105.13	27.22	26.69	-11.09	1,920.46	2,459.91	1,610.46	1,573.10	48.05	8.953		
8,400.00	8,115.00	8,294.34	8,202.97	27.59	27.05	-10.84	1,910.40	2,468.86	1,600.29	1,561.93	48.62	7.102		
8,500.00	8,209.00	8,391.18	8,300.81	27.96	27.41	-10.59	1,900.34	2,477.81	1,590.12	1,550.76	49.19	5.251		
8,600.00	8,303.00	8,487.92	8,397.65	28.33	27.77	-10.34	1,890.28	2,486.76	1,579.95	1,539.59	49.76	3.400		
8,700.00	8,397.00	8,584.76	8,493.49	28.70	28.13	-10.09	1,880.22	2,495.71	1,569.78	1,528.42	50.33	1.549		
8,800.00	8,491.00	8,681.60	8,589.33	29.07	28.49	-9.84	1,870.16	2,504.66	1,559.61	1,517.25	50.90	-0.302		
8,900.00	8,585.00	8,778.44	8,685.17	29.44	28.85	-9.59	1,860.10	2,513.61	1,549.44	1,506.08	51.47	-2.451		
9,000.00	8,679.00	8,875.28	8,781.01	29.81	29.21	-9.34	1,850.04	2,522.56	1,539.27	1,494.91	52.04	-4.600		
9,100.00	8,773.00	8,972.12	8,876.85	30.18	29.57	-9.09	1,840.98	2,531.51	1,529.10	1,483.74	52.61	-6.749		
9,200.00	8,867.00	9,068.96	8,972.69	30.55	29.93	-8.84	1,830.92	2,540.46	1,518.93	1,472.57	53.18	-8.898		
9,300.00	8,961.00	9,165.80	9,068.53	30.92	30.29	-8.59	1,820.86	2,549.41	1,508.76	1,461.40	53.75	-11.047		
9,400.00	9,055.00	9,262.64	9,164.37	31.29	30.65	-8.34	1,810.80	2,558.36	1,498.59	1,450.23	54.32	-13.196		
9,500.00	9,149.00	9,359.48	9,260.21	31.66	31.01	-8.09	1,800.74	2,567.31	1,488.42	1,439.06	54.89	-15.345		
9,600.00	9,243.00	9,456.32	9,356.05	32.03	31.37	-7.84	1,790.68	2,576.26	1,478.25	1,427.89	55.46	-17.494		
9,700.00	9,337.00	9,553.16	9,451.89	32.40	31.73	-7.59	1,780.62	2,585.21	1,468.08	1,416.72	56.03	-19.643		
9,800.00	9,431.00	9,650.00	9,547.73	32.77	32.09	-7.34	1,770.56	2,594.16	1,457.91	1,405.55	56.60	-21.792		
9,900.00	9,525.00	9,746.84	9,643.57	33.14	32.45	-7.09	1,760.50	2,603.11	1,447.74	1,394.38	57.17	-23.941		
10,000.00	9,619.00	9,843.68	9,739.41	33.51	32.81	-6.84	1,750.44	2,612.06	1,437.57	1,383.21	57.74	-26.090		
10,100.00	9,713.00	9,940.52	9,835.25	33.88	33.17	-6.59	1,740.38	2,621.01	1,427.40	1,372.04	58.31	-28.239		
10,200.00	9,807.00	10,037.36	9,931.09	34.25	33.53	-6.34	1,730.32	2,630.96	1,417.23	1,360.87	58.88	-30.388		
10,300.00	9,901.00	10,134.20	10,026.93	34.62	33.89	-6.09	1,720.26	2,640.91	1,407.06	1,349.70	59.45	-32.537</		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1858-SRC Energy_ISCWSA REV 2 MWD+IFR1												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,800.00	7,185.24	6,993.00	6,834.10	42.65	21.68	-72.39	1,954.01	2,196.97	1,334.74	1,278.85	55.89	23.881	
8,900.00	7,184.89	6,993.00	6,834.10	44.10	21.68	-72.39	1,954.01	2,196.97	1,396.73	1,340.44	56.29	24.813	
9,000.00	7,184.53	6,993.00	6,834.10	45.56	21.68	-72.39	1,954.01	2,196.97	1,462.93	1,406.32	56.61	25.843	
9,100.00	7,184.17	6,947.64	6,798.64	47.04	21.62	-70.81	1,964.99	2,223.01	1,530.35	1,473.52	56.83	26.929	
9,200.00	7,183.81	6,933.71	6,787.34	48.52	21.61	-70.32	1,968.58	2,230.33	1,601.68	1,544.65	57.03	28.084	
9,300.00	7,183.45	6,897.00	6,756.71	50.03	21.56	-69.03	1,978.47	2,247.97	1,676.22	1,619.05	57.17	29.320	
9,400.00	7,183.09	6,897.00	6,756.71	51.54	21.56	-69.03	1,978.47	2,247.97	1,751.84	1,694.52	57.32	30.564	
9,500.00	7,182.73	6,897.00	6,756.71	53.06	21.56	-69.03	1,978.47	2,247.97	1,829.80	1,772.37	57.43	31.862	
9,600.00	7,182.37	6,897.00	6,756.71	54.59	21.56	-69.87	1,978.47	2,247.97	1,909.00	1,851.50	57.50	33.197	
9,700.00	7,182.01	6,897.00	6,756.71	56.12	21.56	-70.05	1,978.47	2,247.97	1,988.80	1,931.24	57.55	34.556	
9,800.00	7,181.65	6,897.00	6,756.71	57.67	21.56	-70.05	1,978.47	2,247.97	2,070.31	2,012.72	57.59	35.949	
9,900.00	7,181.30	6,857.40	6,722.40	59.23	21.48	-68.68	1,989.46	2,264.39	2,151.79	2,094.18	57.62	37.347	
10,000.00	7,180.94	6,848.93	6,714.90	60.79	21.46	-68.39	1,991.80	2,267.55	2,235.50	2,177.87	57.63	38.789	
10,100.00	7,180.58	6,841.08	6,707.91	62.36	21.44	-68.12	1,993.97	2,270.37	2,320.36	2,262.72	57.64	40.257	
10,200.00	7,180.22	6,803.00	6,673.36	63.94	21.36	-66.81	2,004.41	2,282.51	2,407.24	2,349.62	57.62	41.774	
10,300.00	7,179.86	6,803.00	6,673.36	65.52	21.36	-66.81	2,004.41	2,282.51	2,493.73	2,436.11	57.63	43.275	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design											5N-66W-05 Offsets Incomplete - PSC J 5-11 - Noble Energy SI Well - Actual VES Surveys (Grid to True)				Offset Site Error:		0.00 usft
Survey Program:		100-SRC Energy_VESSI GyroFlex V4, 7300-SRC Energy_2° CONE_2.448											Offset Well Error:		3.28 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
0.00	0.00	0.00	0.00	3.28	3.28	64.71	584.37	1,236.67	1,367.91								
100.00	100.00	88.82	88.82	3.28	3.28	64.72	583.96	1,236.58	1,367.55	1,360.20	7.36	185.918					
200.00	200.00	184.85	184.84	3.31	3.29	64.73	583.49	1,236.29	1,367.07	1,359.68	7.39	185.000					
300.00	300.00	278.42	278.42	3.35	3.32	9.22	583.83	1,236.08	1,366.75	1,359.29	7.46	183.269					
400.00	399.94	383.20	383.19	3.42	3.36	9.23	584.30	1,235.97	1,363.76	1,356.19	7.56	180.310					
500.00	499.72	479.12	479.11	3.51	3.41	9.27	584.90	1,235.59	1,357.12	1,349.42	7.70	176.200					
600.00	599.20	588.95	588.94	3.62	3.48	9.35	585.40	1,235.18	1,347.02	1,339.13	7.89	170.797					
700.00	698.27	678.08	678.06	3.76	3.55	9.45	585.86	1,234.59	1,333.26	1,325.17	8.09	164.845					
800.00	796.81	775.43	775.41	3.93	3.63	9.59	586.70	1,234.46	1,316.71	1,308.38	8.33	158.090					
900.00	894.69	881.72	881.69	4.15	3.74	9.78	587.61	1,233.93	1,296.46	1,287.84	8.61	150.523					
1,000.00	991.81	976.59	976.55	4.41	3.84	9.97	588.60	1,232.99	1,272.54	1,263.62	8.92	142.660					
1,100.00	1,088.65	1,074.35	1,074.30	4.71	3.96	10.09	589.94	1,232.07	1,247.68	1,238.44	9.24	135.060					
1,200.00	1,185.48	1,163.97	1,163.90	5.04	4.07	10.19	591.48	1,231.17	1,222.91	1,213.34	9.57	127.809					
1,300.00	1,282.32	1,267.23	1,267.15	5.39	4.20	10.32	593.40	1,230.55	1,198.56	1,188.62	9.94	120.602					
1,400.00	1,379.16	1,360.01	1,359.90	5.76	4.33	10.44	594.89	1,229.43	1,173.59	1,163.28	10.31	113.806					
1,500.00	1,475.99	1,457.07	1,456.94	6.14	4.47	10.56	596.88	1,228.83	1,149.30	1,138.59	10.71	107.327					
1,600.00	1,572.83	1,562.63	1,562.48	6.54	4.63	10.70	598.65	1,227.54	1,124.33	1,113.20	11.13	101.016					
1,700.00	1,669.67	1,670.46	1,670.29	6.94	4.80	10.89	599.50	1,225.73	1,098.62	1,087.05	11.57	94.978					
1,800.00	1,766.50	1,769.37	1,769.18	7.36	4.96	11.09	599.56	1,223.50	1,072.12	1,060.12	12.00	89.314					
1,900.00	1,863.34	1,862.56	1,862.33	7.59	5.11	11.26	600.17	1,221.30	1,045.78	1,033.66	12.12	86.297					
2,000.00	1,960.18	1,956.76	1,956.50	7.65	5.27	11.40	601.65	1,219.03	1,019.75	1,007.45	12.30	82.909					
2,100.00	2,057.01	2,048.87	2,048.56	7.73	5.43	11.52	603.47	1,216.88	993.95	981.45	12.50	79.525					
2,200.00	2,153.85	2,138.95	2,138.61	7.83	5.59	11.63	605.61	1,215.26	968.78	956.07	12.71	76.197					
2,300.00	2,250.69	2,229.34	2,228.95	7.95	5.75	11.75	608.09	1,214.13	944.25	931.30	12.95	72.920					
2,400.00	2,347.52	2,319.69	2,319.27	8.08	5.91	11.89	610.56	1,213.75	920.46	907.25	13.20	69.720					
2,500.00	2,444.36	2,415.99	2,415.53	8.24	6.08	12.04	613.39	1,213.78	897.14	883.66	13.48	66.541					
2,600.00	2,541.20	2,520.29	2,519.78	8.40	6.28	12.20	616.48	1,213.01	873.15	859.35	13.79	63.304					
2,700.00	2,638.03	2,608.08	2,607.52	8.59	6.44	12.33	619.22	1,212.71	849.58	835.49	14.09	60.280					
2,800.00	2,734.87	2,710.23	2,709.61	8.78	6.63	12.49	622.70	1,212.44	826.21	811.77	14.43	57.246					
2,900.00	2,831.71	2,807.62	2,806.94	8.99	6.81	12.62	626.22	1,211.83	802.58	787.80	14.78	54.308					
3,000.00	2,928.54	2,910.32	2,909.56	9.21	7.01	12.75	629.96	1,210.70	778.55	763.40	15.15	51.406					
3,100.00	3,025.38	3,010.44	3,009.60	9.45	7.21	12.85	633.74	1,208.95	753.99	738.47	15.52	48.581					
3,200.00	3,122.22	3,111.33	3,110.37	9.69	7.40	12.93	637.81	1,206.54	728.94	713.04	15.91	45.825					
3,300.00	3,219.05	3,206.30	3,205.22	9.94	7.59	12.98	641.88	1,204.07	703.80	687.50	16.30	43.184					
3,400.00	3,315.89	3,298.97	3,297.78	10.20	7.77	13.01	646.17	1,201.92	679.04	662.34	16.70	40.672					
3,500.00	3,412.73	3,406.54	3,405.19	10.48	7.98	13.06	650.95	1,198.93	653.79	636.67	17.12	38.194					
3,600.00	3,509.56	3,499.75	3,498.29	10.75	8.17	13.14	654.56	1,196.05	628.06	610.52	17.53	35.818					
3,700.00	3,606.40	3,594.87	3,593.32	11.04	8.36	13.28	657.87	1,193.60	602.65	584.69	17.96	33.550					
3,800.00	3,703.24	3,688.25	3,686.63	11.33	8.55	13.45	661.03	1,191.64	577.65	559.25	18.40	31.398					
3,900.00	3,800.07	3,791.21	3,789.51	11.63	8.76	13.66	664.41	1,189.35	552.51	533.66	18.84	29.319					
4,000.00	3,896.91	3,887.60	3,885.82	11.93	8.95	13.92	667.07	1,186.70	526.71	507.41	19.30	27.297					
4,100.00	3,993.75	3,989.03	3,987.18	12.24	9.16	14.24	669.46	1,183.70	500.60	480.84	19.75	25.343					
4,200.00	4,090.58	4,089.70	4,087.76	12.55	9.36	14.66	671.09	1,179.90	473.52	453.30	20.21	23.424					
4,300.00	4,187.42	4,186.20	4,184.16	12.87	9.56	15.09	672.61	1,175.73	445.95	425.27	20.68	21.561					
4,400.00	4,284.26	4,281.38	4,279.22	13.19	9.75	15.48	674.77	1,171.47	418.49	397.33	21.16	19.779					
4,500.00	4,381.09	4,376.36	4,374.08	13.52	9.95	15.91	677.04	1,167.44	391.30	369.66	21.64	18.083					
4,600.00	4,477.93	4,470.00	4,467.62	13.85	10.14	16.37	679.61	1,163.82	364.59	342.46	22.13	16.477					
4,700.00	4,574.77	4,563.09	4,560.60	14.18	10.33	16.81	682.84	1,160.85	338.74	316.11	22.62	14.973					
4,800.00	4,671.60	4,658.46	4,655.90	14.52	10.53	17.39	686.16	1,158.66	313.74	290.62	23.12	13.569					
4,900.00	4,768.44	4,754.61	4,751.97	14.86	10.73	18.10	689.36	1,156.64	288.92	265.29	23.63	12.228					
5,000.00	4,865.27	4,850.82	4,848.11	15.20	10.93	18.99	692.52	1,154.95	264.46	240.32	24.14	10.955					
5,100.00	4,962.11	4,947.64	4,944.86	15.54	11.13	20.02	695.84	1,153.32	240.18	215.51	24.66	9.739					

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7300-SRC Energy_2° CONE_2.448													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,058.95	5,044.63	5,041.78	15.89	11.33	21.30	699.15	1,151.68	215.97	190.77	25.19	8.572		
5,300.00	5,155.78	5,141.85	5,138.94	16.24	11.53	23.02	702.08	1,150.06	191.83	166.09	25.74	7.452		
5,400.00	5,252.62	5,239.62	5,236.64	16.59	11.74	25.15	705.25	1,148.02	167.54	141.23	26.31	6.369		
5,500.00	5,349.46	5,337.36	5,334.32	16.94	11.94	28.32	707.55	1,145.44	142.89	115.97	26.92	5.308		
5,600.00	5,446.29	5,434.33	5,431.23	17.30	12.15	33.24	708.83	1,142.31	118.21	90.58	27.63	4.278		
5,700.00	5,543.13	5,530.95	5,527.78	17.65	12.35	40.43	710.42	1,138.95	94.50	66.01	28.49	3.317		
5,800.00	5,639.97	5,627.65	5,624.38	18.01	12.55	52.02	712.17	1,134.97	72.49	42.85	29.64	2.446		
5,900.00	5,736.80	5,723.96	5,720.57	18.37	12.75	71.41	714.26	1,130.73	55.16	24.00	31.16	1.770		
5,994.78	5,828.59	5,815.01	5,811.50	18.71	12.95	99.11	716.24	1,126.37	48.33	16.10	32.23	1.500 Level 3, CC, ES, SF		
6,000.00	5,833.64	5,820.00	5,816.48	18.73	12.96	100.77	716.34	1,126.13	48.35	16.11	32.24	1.500 Level 3		
6,100.00	5,930.48	5,915.69	5,912.05	19.09	13.16	129.31	717.96	1,121.53	56.95	25.15	31.79	1.791		
6,200.00	6,027.31	6,011.52	6,007.76	19.46	13.36	147.45	719.32	1,116.98	75.92	44.64	31.28	2.427		
6,300.00	6,124.15	6,106.96	6,103.08	19.82	13.56	157.90	720.36	1,112.24	99.75	68.52	31.23	3.194		
6,400.00	6,220.99	6,203.47	6,199.44	20.19	13.76	164.49	721.69	1,107.26	125.47	94.00	31.46	3.988		
6,500.00	6,317.82	6,298.46	6,294.28	20.55	13.96	168.91	723.24	1,102.05	152.26	120.45	31.80	4.787		
6,600.00	6,414.66	6,394.78	6,390.42	20.92	14.17	172.14	724.94	1,096.51	179.75	147.52	32.23	5.576		
6,700.00	6,511.50	6,489.55	6,485.03	21.29	14.37	174.41	726.40	1,091.18	207.68	175.00	32.68	6.355		
6,800.00	6,608.33	6,584.39	6,579.73	21.66	14.57	175.99	727.14	1,085.89	236.25	203.09	33.16	7.125		
6,900.00	6,705.11	6,681.83	6,676.99	22.03	14.77	173.31	728.33	1,080.26	265.08	231.41	33.68	7.871		
7,000.00	6,799.10	6,776.72	6,771.70	22.47	14.97	162.21	730.73	1,074.91	301.03	266.81	34.23	8.796		
7,100.00	6,887.20	6,864.97	6,859.77	23.02	15.16	157.58	733.85	1,070.19	348.12	313.32	34.80	10.003		
7,200.00	6,967.23	6,945.22	6,939.85	23.68	15.33	154.99	737.27	1,066.20	406.44	371.04	35.39	11.484		
7,300.00	7,037.23	7,016.42	7,010.92	24.45	15.49	152.48	740.33	1,063.29	475.25	439.27	35.97	13.211		
7,400.00	7,095.47	7,077.10	7,071.51	25.31	15.62	148.86	743.20	1,061.33	553.28	516.78	36.51	15.156		
7,500.00	7,140.51	7,123.88	7,118.20	26.27	15.72	142.38	745.61	1,060.14	639.03	602.09	36.94	17.299		
7,600.00	7,171.26	7,155.53	7,149.81	27.31	15.78	129.94	747.20	1,059.52	730.66	693.41	37.25	19.613		
7,700.00	7,186.94	7,171.12	7,165.38	28.40	15.82	106.21	747.97	1,059.26	825.99	788.56	37.43	22.068		
7,800.00	7,188.83	7,171.40	7,165.65	29.51	15.82	88.09	747.99	1,059.26	922.76	885.29	37.48	24.623		
7,900.00	7,188.47	7,169.05	7,163.31	30.67	15.81	87.48	747.87	1,059.30	1,020.12	982.62	37.50	27.201		
8,000.00	7,188.11	7,166.63	7,160.89	31.88	15.81	86.86	747.75	1,059.33	1,117.94	1,080.41	37.53	29.787		
8,100.00	7,187.76	7,164.11	7,158.38	33.12	15.80	86.21	747.63	1,059.37	1,216.11	1,178.55	37.56	32.378		
8,200.00	7,187.40	7,161.51	7,155.78	34.40	15.80	85.55	747.50	1,059.42	1,314.55	1,276.96	37.59	34.972		
8,300.00	7,187.04	7,158.81	7,153.08	35.71	15.79	84.86	747.37	1,059.46	1,413.21	1,375.59	37.62	37.566		
8,400.00	7,186.68	7,156.01	7,150.29	37.05	15.78	84.15	747.23	1,059.51	1,512.04	1,474.39	37.65	40.160		
8,500.00	7,186.32	7,153.10	7,147.38	38.42	15.78	83.41	747.08	1,059.56	1,611.01	1,573.33	37.68	42.753		
8,600.00	7,185.96	7,150.08	7,144.37	39.81	15.77	82.65	746.93	1,059.61	1,710.09	1,672.38	37.71	45.343		
8,700.00	7,185.60	7,146.94	7,141.23	41.22	15.76	81.86	746.78	1,059.67	1,809.28	1,771.53	37.75	47.930		
8,800.00	7,185.24	7,143.67	7,137.97	42.65	15.76	81.05	746.61	1,059.73	1,908.54	1,870.76	37.78	50.514		
8,900.00	7,184.89	7,140.27	7,134.57	44.10	15.75	80.20	746.44	1,059.80	2,007.87	1,970.05	37.82	53.094		
9,000.00	7,184.53	7,136.72	7,131.03	45.56	15.74	79.33	746.26	1,059.87	2,107.26	2,069.41	37.85	55.670		
9,100.00	7,184.17	7,133.02	7,127.33	47.04	15.73	78.43	746.07	1,059.95	2,206.71	2,168.82	37.89	58.241		
9,200.00	7,183.81	7,129.16	7,123.48	48.52	15.73	77.49	745.88	1,060.03	2,306.19	2,268.27	37.93	60.808		
9,300.00	7,183.45	7,125.12	7,119.44	50.03	15.72	76.52	745.67	1,060.11	2,405.72	2,367.75	37.96	63.370		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 Offsets Incomplete - WIEDEMAN 22-5 - Noble Energy PR Well - Actual Coretech Surveys (													Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_NS-GYRO-MS, 7300-SRC Energy_2" CONE_2.448													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,600.00	2,541.20	3,617.76	3,454.21	8.40	13.89	-55.39	2,561.10	651.81	2,494.38	2,475.27	19.11	130.555		
2,700.00	2,638.03	3,691.19	3,521.80	8.59	14.25	-55.82	2,532.49	649.57	2,441.66	2,422.12	19.54	124.971		
2,800.00	2,734.87	3,860.67	3,676.52	8.78	15.10	-56.92	2,463.73	642.51	2,387.32	2,367.15	20.16	118.408		
2,900.00	2,831.71	3,955.81	3,762.62	8.99	15.59	-57.59	2,423.47	638.16	2,331.78	2,311.12	20.66	112.856		
3,000.00	2,928.54	4,037.91	3,836.80	9.21	16.02	-58.18	2,388.47	634.67	2,276.16	2,255.00	21.15	107.609		
3,100.00	3,025.38	4,111.90	3,903.70	9.45	16.40	-58.74	2,357.00	631.82	2,220.84	2,199.19	21.64	102.615		
3,200.00	3,122.22	4,176.72	3,962.47	9.69	16.74	-59.24	2,329.75	629.49	2,166.16	2,144.03	22.13	97.877		
3,300.00	3,219.05	4,246.34	4,025.79	9.94	17.09	-59.80	2,300.90	627.18	2,112.25	2,089.61	22.64	93.297		
3,400.00	3,315.89	4,322.14	4,094.88	10.20	17.48	-60.42	2,269.79	625.05	2,058.91	2,035.74	23.17	88.863		
3,500.00	3,412.73	4,407.48	4,172.67	10.48	17.92	-61.14	2,234.75	622.84	2,005.80	1,982.08	23.72	84.550		
3,600.00	3,509.56	4,468.39	4,228.31	10.75	18.23	-61.68	2,210.04	621.18	1,953.34	1,929.08	24.26	80.525		
3,700.00	3,606.40	4,530.46	4,285.25	11.04	18.54	-62.26	2,185.41	619.27	1,901.97	1,877.16	24.81	76.672		
3,800.00	3,703.24	4,591.62	4,341.61	11.33	18.85	-62.87	2,161.79	616.93	1,851.83	1,826.46	25.37	72.999		
3,900.00	3,800.07	4,646.47	4,392.42	11.63	19.12	-63.45	2,141.27	614.42	1,803.15	1,777.22	25.93	69.528		
4,000.00	3,896.91	4,700.00	4,442.31	11.93	19.38	-64.05	2,122.06	611.60	1,756.23	1,729.72	26.51	66.245		
4,100.00	3,993.75	4,766.54	4,504.63	12.24	19.69	-64.82	2,099.04	607.96	1,710.90	1,683.78	27.12	63.087		
4,200.00	4,090.58	4,831.03	4,565.30	12.55	19.99	-65.58	2,077.44	604.64	1,667.00	1,639.26	27.74	60.100		
4,300.00	4,187.42	4,900.00	4,630.53	12.87	20.31	-66.41	2,055.26	601.41	1,624.73	1,596.36	28.37	57.264		
4,400.00	4,284.26	4,970.34	4,697.31	13.19	20.63	-67.28	2,033.36	598.48	1,583.84	1,554.82	29.02	54.577		
4,500.00	4,381.09	5,041.29	4,764.84	13.52	20.94	-68.17	2,011.78	595.80	1,544.15	1,514.47	29.68	52.025		
4,600.00	4,477.93	5,109.73	4,830.25	13.85	21.24	-69.06	1,991.79	593.28	1,506.09	1,475.74	30.35	49.626		
4,700.00	4,574.77	5,183.04	4,900.56	14.18	21.55	-70.03	1,971.19	590.64	1,469.60	1,438.56	31.04	47.351		
4,800.00	4,671.60	5,247.74	4,962.83	14.52	21.82	-70.91	1,953.80	588.44	1,434.83	1,403.11	31.72	45.240		
4,900.00	4,768.44	5,311.03	5,024.09	14.86	22.08	-71.78	1,938.00	586.59	1,402.34	1,369.94	32.40	43.285		
5,000.00	4,865.27	5,376.52	5,087.78	15.20	22.34	-72.68	1,922.86	584.82	1,372.14	1,339.05	33.09	41.470		
5,100.00	4,962.11	5,443.93	5,153.62	15.54	22.59	-73.63	1,908.48	583.03	1,344.23	1,310.44	33.79	39.788		
5,200.00	5,058.95	5,512.70	5,221.02	15.89	22.85	-74.60	1,895.00	581.17	1,318.59	1,284.10	34.49	38.232		
5,300.00	5,155.78	5,582.06	5,289.24	16.24	23.10	-75.60	1,882.61	579.22	1,295.26	1,260.06	35.20	36.801		
5,400.00	5,252.62	5,653.10	5,359.32	16.59	23.34	-76.64	1,871.16	577.16	1,274.28	1,238.37	35.91	35.487		
5,500.00	5,349.46	5,725.92	5,431.35	16.94	23.58	-77.70	1,860.68	575.07	1,255.59	1,218.97	36.62	34.283		
5,600.00	5,446.29	5,800.00	5,504.79	17.30	23.82	-78.79	1,851.22	572.91	1,239.12	1,201.78	37.34	33.182		
5,700.00	5,543.13	5,873.13	5,577.44	17.65	24.05	-79.87	1,843.14	570.76	1,224.96	1,186.91	38.05	32.193		
5,800.00	5,639.97	5,956.60	5,660.52	18.01	24.30	-81.08	1,835.32	568.43	1,212.96	1,174.17	38.80	31.264		
5,900.00	5,736.80	6,045.08	5,748.65	18.37	24.56	-82.35	1,827.75	566.48	1,202.22	1,162.65	39.56	30.387		
6,000.00	5,833.64	6,132.23	5,835.49	18.73	24.82	-83.63	1,820.75	564.27	1,192.80	1,152.48	40.32	29.580		
6,100.00	5,930.48	6,217.15	5,920.10	19.09	25.06	-84.91	1,814.13	561.31	1,184.81	1,143.73	41.08	28.842		
6,200.00	6,027.31	6,294.54	5,997.22	19.46	25.28	-86.11	1,808.79	557.90	1,178.80	1,137.01	41.79	28.207		
6,300.00	6,124.15	6,379.34	6,081.78	19.82	25.51	-87.43	1,803.84	553.73	1,174.76	1,132.23	42.53	27.622		
6,400.00	6,220.99	6,400.00	6,203.11	20.19	25.57	-89.10	1,797.81	552.70	1,169.98	1,126.84	43.14	27.120		
6,500.00	6,317.82	6,565.49	6,267.63	20.55	25.85	-89.82	1,796.53	555.39	1,166.12	1,122.28	43.84	26.602		
6,525.90	6,342.90	6,578.55	6,280.68	20.65	25.86	-89.96	1,796.67	555.79	1,165.88	1,121.94	43.94	26.535 CC, ES		
6,600.00	6,414.66	6,628.69	6,330.79	20.92	25.86	-90.49	1,798.14	556.98	1,166.65	1,122.42	44.23	26.378		
6,700.00	6,511.50	6,719.63	6,421.66	21.29	25.83	-91.45	1,801.30	558.58	1,168.94	1,124.29	44.64	26.185		
6,800.00	6,608.33	6,800.00	6,501.97	21.66	25.80	-92.31	1,804.25	559.55	1,172.19	1,127.16	45.02	26.035		
6,900.00	6,705.11	6,871.32	6,573.20	22.03	25.77	-96.75	1,807.78	559.45	1,177.88	1,132.51	45.38	25.958		
7,000.00	6,799.10	6,984.68	6,686.34	22.47	25.75	-109.08	1,814.32	557.41	1,192.63	1,146.62	46.01	25.922		
7,100.00	6,887.20	7,126.42	6,828.06	23.02	25.91	-116.04	1,816.16	556.22	1,214.70	1,167.66	47.04	25.824 SF		
7,200.00	6,967.23	7,226.60	6,928.22	23.68	26.11	-119.52	1,814.80	557.08	1,246.11	1,198.06	48.05	25.933		
7,300.00	7,037.23	7,297.37	6,998.97	24.45	26.23	-120.42	1,813.57	558.01	1,289.24	1,240.26	48.98	26.322		
7,400.00	7,095.47	7,356.56	7,058.15	25.31	26.50	-119.32	1,812.55	558.80	1,344.02	1,293.94	50.08	26.837		
7,500.00	7,140.51	7,402.70	7,104.28	26.27	26.73	-115.91	1,811.75	559.41	1,409.38	1,358.29	51.09	27.586		
7,600.00	7,171.26	7,434.67	7,136.24	27.31	27.03	-109.53	1,811.19	559.83	1,483.68	1,431.60	52.08	28.487		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_NS-GYRO-MS, 7300-SRC Energy_2° CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,700.00	7,186.94	7,451.67	7,153.23	28.40	27.19	-99.28	1,810.90	560.06	1,564.85	1,512.02	52.82	29.624	
7,800.00	7,188.83	7,454.93	7,156.50	29.51	27.22	-91.98	1,810.84	560.10	1,650.37	1,597.05	53.32	30.953	
7,900.00	7,188.47	7,455.95	7,157.52	30.67	27.22	-92.05	1,810.82	560.11	1,737.69	1,683.96	53.73	32.342	
8,000.00	7,188.11	7,456.97	7,158.54	31.88	27.23	-92.12	1,810.81	560.13	1,826.31	1,772.21	54.09	33.762	
8,100.00	7,187.76	7,458.00	7,159.56	33.12	27.24	-92.19	1,810.79	560.14	1,916.04	1,861.62	54.42	35.207	
8,200.00	7,187.40	7,459.02	7,160.58	34.40	27.25	-92.27	1,810.77	560.16	2,006.75	1,952.03	54.72	36.673	
8,300.00	7,187.04	7,460.04	7,161.60	35.71	27.26	-92.34	1,810.75	560.17	2,098.31	2,043.32	54.99	38.158	
8,400.00	7,186.68	7,461.06	7,162.62	37.05	27.27	-92.41	1,810.74	560.18	2,190.60	2,135.36	55.24	39.659	
8,500.00	7,186.32	7,462.08	7,163.65	38.42	27.28	-92.48	1,810.72	560.20	2,283.54	2,228.07	55.46	41.172	
8,600.00	7,185.96	7,463.10	7,164.67	39.81	27.29	-92.55	1,810.70	560.21	2,377.05	2,321.38	55.67	42.697	
8,700.00	7,185.60	7,464.12	7,165.69	41.22	27.30	-92.62	1,810.68	560.22	2,471.07	2,415.20	55.87	44.232	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		5N-66W-05 Offsets Incomplete - WIEDEMAN 25-5 - Noble Energy PR Well - Actual Coretech Surveys (											Offset Site Error:	0.00 usft
Survey Program:		100-SRC Energy_NS-GYRO-MS, 7400-SRC Energy_2" CONE_2.448											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
3,000.00	2,928.54	3,756.60	3,538.76	9.21	15.96	-36.61	2,554.91	1,394.84	2,489.61	2,466.35	23.26	107.029		
3,100.00	3,025.38	3,818.94	3,596.40	9.45	16.27	-36.39	2,533.62	1,405.33	2,443.91	2,420.14	23.77	102.809		
3,200.00	3,122.22	4,027.64	3,787.65	9.69	17.32	-35.57	2,457.99	1,440.59	2,396.78	2,372.07	24.71	97.015		
3,300.00	3,219.05	4,142.27	3,890.80	9.94	17.92	-35.01	2,412.32	1,460.92	2,346.61	2,321.21	25.40	92.391		
3,400.00	3,315.89	4,224.69	3,964.52	10.20	18.36	-34.56	2,378.61	1,475.81	2,295.74	2,269.72	26.02	88.228		
3,500.00	3,412.73	4,274.66	4,009.39	10.48	18.63	-34.28	2,358.67	1,485.11	2,245.99	2,219.42	26.57	84.534		
3,600.00	3,509.56	4,346.81	4,074.44	10.75	19.02	-33.87	2,330.72	1,499.00	2,197.50	2,170.31	27.19	80.821		
3,700.00	3,606.40	4,462.71	4,178.31	11.04	19.64	-33.12	2,284.92	1,522.34	2,148.85	2,120.91	27.95	76.893		
3,800.00	3,703.24	4,545.41	4,251.79	11.33	20.10	-32.53	2,251.04	1,539.43	2,099.25	2,070.63	28.63	73.330		
3,900.00	3,800.07	4,619.50	4,317.97	11.63	20.51	-32.00	2,221.44	1,554.70	2,050.64	2,021.34	29.30	69.994		
4,000.00	3,896.91	4,722.50	4,409.18	11.93	21.08	-31.17	2,178.91	1,576.67	2,001.27	1,971.21	30.06	66.579		
4,100.00	3,993.75	4,769.18	4,450.62	12.24	21.35	-30.78	2,160.04	1,586.94	1,953.15	1,922.47	30.68	63.655		
4,200.00	4,090.58	4,820.95	4,496.97	12.55	21.63	-30.34	2,140.08	1,598.49	1,906.92	1,875.60	31.33	60.875		
4,300.00	4,187.42	4,881.04	4,551.14	12.87	21.96	-29.83	2,117.83	1,611.91	1,862.26	1,830.27	31.99	58.208		
4,400.00	4,284.26	4,970.27	4,632.14	13.19	22.43	-29.09	2,085.83	1,631.35	1,818.64	1,785.90	32.74	55.541		
4,500.00	4,381.09	5,106.47	4,755.83	13.52	23.15	-27.93	2,035.86	1,658.74	1,774.06	1,740.45	33.61	52.788		
4,600.00	4,477.93	5,172.03	4,815.35	13.85	23.50	-27.35	2,011.46	1,671.42	1,728.92	1,694.61	34.31	50.396		
4,700.00	4,574.77	5,242.36	4,879.55	14.18	23.87	-26.73	1,986.09	1,684.87	1,684.90	1,649.88	35.02	48.113		
4,800.00	4,671.60	5,300.00	4,932.48	14.52	24.16	-26.22	1,965.98	1,695.63	1,642.08	1,606.37	35.71	45.990		
4,900.00	4,768.44	5,354.70	4,983.38	14.86	24.42	-25.78	1,948.40	1,705.25	1,601.28	1,564.92	36.36	44.035		
5,000.00	4,865.27	5,400.00	5,026.26	15.20	24.64	-25.46	1,935.71	1,712.47	1,563.17	1,526.18	36.99	42.259		
5,100.00	4,962.11	5,465.00	5,088.53	15.54	24.91	-25.08	1,919.69	1,721.96	1,527.31	1,489.68	37.63	40.586		
5,200.00	5,058.95	5,536.23	5,157.41	15.89	25.20	-24.72	1,904.24	1,731.48	1,493.29	1,455.02	38.27	39.015		
5,300.00	5,155.78	5,619.91	5,238.85	16.24	25.53	-24.37	1,887.78	1,741.35	1,460.25	1,421.32	38.93	37.509		
5,400.00	5,252.62	5,709.37	5,326.39	16.59	25.86	-24.08	1,871.66	1,750.26	1,427.71	1,388.13	39.58	36.070		
5,500.00	5,349.46	5,798.54	5,414.05	16.94	26.17	-23.87	1,857.00	1,757.46	1,395.53	1,355.31	40.21	34.702		
5,600.00	5,446.29	5,873.03	5,487.68	17.30	26.40	-23.79	1,846.59	1,761.83	1,364.24	1,323.44	40.79	33.444		
5,700.00	5,543.13	5,986.37	5,600.27	17.65	26.72	-23.89	1,833.94	1,764.52	1,333.50	1,292.12	41.38	32.222		
5,800.00	5,639.97	6,069.46	5,682.93	18.01	26.92	-24.11	1,825.66	1,763.56	1,301.88	1,259.98	41.90	31.074		
5,900.00	5,736.80	6,139.98	5,753.24	18.37	27.06	-24.40	1,820.48	1,761.74	1,271.69	1,229.32	42.37	30.013		
6,000.00	5,833.64	6,200.00	5,813.17	18.73	27.17	-24.68	1,817.58	1,760.22	1,243.71	1,200.90	42.81	29.053		
6,100.00	5,930.48	6,275.90	5,889.02	19.09	27.31	-25.05	1,815.40	1,759.11	1,217.89	1,174.63	43.26	28.154		
6,200.00	6,027.31	6,354.95	5,968.07	19.46	27.46	-25.44	1,814.32	1,759.16	1,194.05	1,150.32	43.73	27.308		
6,300.00	6,124.15	6,443.44	6,056.55	19.82	27.60	-25.90	1,814.15	1,759.25	1,171.31	1,127.14	44.17	26.520		
6,400.00	6,220.99	6,536.25	6,149.36	20.19	27.64	-26.48	1,814.95	1,758.41	1,149.07	1,104.56	44.51	25.817		
6,500.00	6,317.82	6,629.18	6,242.25	20.55	27.61	-27.15	1,816.75	1,756.55	1,127.34	1,082.57	44.77	25.179		
6,600.00	6,414.66	6,727.51	6,340.47	20.92	27.57	-27.98	1,819.73	1,752.94	1,105.96	1,060.92	45.03	24.560		
6,700.00	6,511.50	6,837.42	6,450.34	21.29	27.60	-28.81	1,821.05	1,750.90	1,084.04	1,038.68	45.36	23.897		
6,800.00	6,608.33	6,941.31	6,554.22	21.66	27.77	-29.44	1,819.60	1,751.47	1,061.09	1,015.24	45.85	23.143		
6,900.00	6,705.11	7,029.66	6,642.54	22.03	27.97	-34.11	1,818.13	1,752.67	1,038.29	991.92	46.37	22.391		
7,000.00	6,799.10	7,111.61	6,724.46	22.47	28.15	-48.84	1,817.40	1,754.95	1,013.10	966.21	46.89	21.605		
7,100.00	6,887.20	7,211.30	6,824.10	23.02	28.36	-59.12	1,816.33	1,758.00	983.67	936.14	47.53	20.697		
7,200.00	6,967.23	7,297.30	6,910.05	23.68	28.57	-67.91	1,814.82	1,760.42	951.63	903.44	48.19	19.749		
7,300.00	7,037.23	7,369.21	6,981.91	24.45	28.70	-75.76	1,813.35	1,762.42	920.32	871.51	48.81	18.854		
7,400.00	7,095.47	7,429.53	7,042.21	25.31	28.88	-82.56	1,812.12	1,764.10	893.41	843.84	49.57	18.022		
7,500.00	7,140.51	7,476.95	7,089.59	26.27	29.08	-87.80	1,811.15	1,765.42	874.49	824.04	50.45	17.334		
7,600.00	7,171.26	7,510.29	7,122.91	27.31	29.27	-91.02	1,810.46	1,766.35	866.77	815.38	51.39	16.867		
7,609.56	7,173.42	7,512.70	7,125.32	27.41	29.29	-91.21	1,810.41	1,766.41	866.71	815.22	51.49	16.834 CC, ES		
7,700.00	7,186.94	7,528.72	7,141.34	28.40	29.43	-91.94	1,810.09	1,766.86	872.38	820.03	52.34	16.666 SF		
7,800.00	7,188.83	7,533.45	7,146.06	29.51	29.47	-91.49	1,809.99	1,766.99	891.59	838.42	53.16	16.772		
7,900.00	7,188.47	7,535.94	7,148.55	30.67	29.49	-91.65	1,809.94	1,767.06	921.68	867.74	53.94	17.086		
8,000.00	7,188.11	7,538.43	7,151.04	31.88	29.51	-91.82	1,809.89	1,767.13	961.27	906.58	54.70	17.575		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 Offsets Incomplete - WIEDEMAN 25-5 - Noble Energy PR Well - Actual Coretech Surveys (												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_NS-GYRO-MS, 7400-SRC Energy_2° CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
8,100.00	7,187.76	7,540.92	7,153.53	33.12	29.53	-91.98	1,809.84	1,767.20	1,009.25	953.86	55.40	18.219	
8,200.00	7,187.40	7,543.41	7,156.02	34.40	29.55	-92.15	1,809.79	1,767.27	1,064.48	1,008.45	56.04	18.997	
8,300.00	7,187.04	7,545.90	7,158.51	35.71	29.57	-92.31	1,809.73	1,767.34	1,125.90	1,069.29	56.61	19.890	
8,400.00	7,186.68	7,548.40	7,161.00	37.05	29.59	-92.48	1,809.68	1,767.41	1,192.54	1,135.43	57.11	20.881	
8,500.00	7,186.32	7,550.89	7,163.48	38.42	29.61	-92.65	1,809.63	1,767.48	1,263.58	1,206.03	57.55	21.956	
8,600.00	7,185.96	7,553.38	7,165.97	39.81	29.64	-92.81	1,809.58	1,767.55	1,338.33	1,280.39	57.93	23.101	
8,700.00	7,185.60	7,555.87	7,168.46	41.22	29.66	-92.98	1,809.53	1,767.62	1,416.19	1,357.92	58.27	24.305	
8,800.00	7,185.24	7,558.36	7,170.95	42.65	29.68	-93.14	1,809.48	1,767.68	1,496.68	1,438.12	58.56	25.560	
8,900.00	7,184.89	7,560.85	7,173.44	44.10	29.70	-93.31	1,809.43	1,767.75	1,579.40	1,520.59	58.81	26.857	
9,000.00	7,184.53	7,563.34	7,175.93	45.56	29.72	-93.47	1,809.38	1,767.82	1,664.01	1,604.98	59.03	28.189	
9,100.00	7,184.17	7,565.83	7,178.42	47.04	29.74	-93.64	1,809.33	1,767.89	1,750.24	1,691.01	59.23	29.551	
9,200.00	7,183.81	7,568.32	7,180.91	48.52	29.76	-93.80	1,809.28	1,767.96	1,837.87	1,778.46	59.40	30.938	
9,300.00	7,183.45	7,570.81	7,183.39	50.03	29.78	-93.96	1,809.22	1,768.03	1,926.69	1,867.13	59.56	32.347	
9,400.00	7,183.09	7,573.30	7,185.88	51.54	29.80	-94.13	1,809.17	1,768.10	2,016.56	1,956.86	59.71	33.774	
9,500.00	7,182.73	7,575.79	7,188.37	53.06	29.83	-94.29	1,809.12	1,768.17	2,107.34	2,047.50	59.84	35.216	
9,600.00	7,182.37	7,578.25	7,190.83	54.59	29.85	-94.16	1,809.07	1,768.24	2,198.34	2,138.38	59.96	36.662	
9,700.00	7,182.01	7,580.66	7,193.24	56.12	29.87	-94.25	1,809.02	1,768.31	2,289.15	2,229.07	60.08	38.104	
9,800.00	7,181.65	7,583.07	7,195.65	57.67	29.89	-94.40	1,808.97	1,768.37	2,380.66	2,320.48	60.19	39.554	
9,900.00	7,181.30	7,585.49	7,198.07	59.23	29.91	-94.54	1,808.92	1,768.44	2,472.83	2,412.54	60.29	41.013	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 11C-3-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	91.04	-0.36	20.05	20.05				
100.00	100.00	100.00	100.00	3.28	3.28	91.04	-0.36	20.05	20.05	12.52	7.53	2.663	
200.00	200.00	200.00	200.00	3.31	3.31	91.04	-0.36	20.05	20.05	12.47	7.57	2.647	
300.00	300.00	300.00	300.00	3.35	3.35	96.01	-0.36	20.05	19.82	12.16	7.66	2.587	
400.00	399.94	399.39	399.37	3.42	3.41	39.40	0.32	21.63	18.89	11.10	7.79	2.425	
500.00	499.72	498.81	498.65	3.51	3.50	44.84	2.36	26.38	18.44	10.49	7.95	2.319	
523.88	523.51	522.56	522.34	3.53	3.52	46.41	3.05	27.98	18.42	10.42	7.99	2.304 CC	
600.00	599.20	598.28	597.74	3.62	3.61	52.00	5.76	34.30	18.63	10.48	8.15	2.286	
700.00	698.27	697.76	696.49	3.76	3.74	60.11	10.52	45.38	19.65	11.24	8.41	2.336	
800.00	796.81	797.28	794.78	3.93	3.91	68.16	16.63	59.60	21.61	12.87	8.74	2.473	
900.00	894.69	896.80	892.49	4.15	4.11	75.34	24.09	76.95	24.55	15.40	9.16	2.682	
1,000.00	991.81	1,003.41	989.99	4.41	4.37	83.26	32.48	96.50	28.10	18.41	9.69	2.898	
1,100.00	1,088.65	1,096.42	1,087.51	4.71	4.62	91.36	40.91	116.12	32.09	21.82	10.27	3.123	
1,200.00	1,185.48	1,203.75	1,185.03	5.04	4.94	97.58	49.34	135.73	36.58	25.65	10.93	3.346	
1,300.00	1,282.32	1,303.92	1,282.55	5.39	5.25	102.39	57.77	155.35	41.40	29.80	11.60	3.569	
1,400.00	1,379.16	1,404.09	1,380.07	5.76	5.59	106.18	66.20	174.97	46.45	34.16	12.28	3.781	
1,500.00	1,475.99	1,504.26	1,477.59	6.14	5.93	109.22	74.63	194.59	51.66	38.67	12.99	3.977	
1,600.00	1,572.83	1,604.43	1,575.11	6.54	6.29	111.70	83.05	214.21	56.99	43.29	13.71	4.157	
1,700.00	1,669.67	1,704.60	1,672.63	6.94	6.65	113.74	91.48	233.82	62.41	47.97	14.44	4.322	
1,800.00	1,766.50	1,804.77	1,770.15	7.36	7.02	115.46	99.91	253.44	67.90	52.72	15.18	4.474	
1,900.00	1,863.34	1,904.94	1,867.67	7.59	7.21	116.93	108.34	273.06	73.44	58.25	15.19	4.835	
2,000.00	1,960.18	2,005.11	1,965.19	7.65	7.27	118.18	116.77	292.68	79.02	63.76	15.26	5.177	
2,100.00	2,057.01	2,105.28	2,062.71	7.73	7.33	119.27	125.20	312.30	84.63	69.26	15.38	5.504	
2,200.00	2,153.85	2,205.45	2,160.23	7.83	7.42	120.23	133.63	331.91	90.27	74.74	15.53	5.813	
2,300.00	2,250.69	2,305.61	2,257.75	7.95	7.52	121.07	142.05	351.53	95.93	80.22	15.72	6.104	
2,400.00	2,347.52	2,405.78	2,352.27	8.08	7.64	121.82	150.48	371.15	101.61	85.67	15.94	6.375	
2,500.00	2,444.36	2,505.95	2,452.79	8.24	7.78	122.48	158.91	390.77	107.31	91.11	16.19	6.626	
2,600.00	2,541.20	2,606.12	2,550.31	8.40	7.93	123.09	167.34	410.39	113.02	96.53	16.48	6.857	
2,700.00	2,638.03	2,693.71	2,647.83	8.59	8.07	123.63	175.77	430.00	118.74	101.96	16.78	7.077	
2,800.00	2,734.87	2,806.46	2,745.35	8.78	8.27	124.12	184.20	449.62	124.46	107.32	17.14	7.260	
2,900.00	2,831.71	2,906.63	2,842.87	8.99	8.46	124.57	192.63	469.24	130.20	112.69	17.51	7.434	
3,000.00	2,928.54	3,006.80	2,940.39	9.21	8.66	124.98	201.05	488.86	135.95	118.04	17.91	7.590	
3,100.00	3,025.38	3,106.97	3,037.91	9.45	8.88	125.36	209.48	508.48	141.70	123.37	18.33	7.731	
3,200.00	3,122.22	3,207.14	3,135.43	9.69	9.10	125.71	217.91	528.09	147.45	128.68	18.77	7.856	
3,300.00	3,219.05	3,307.31	3,232.95	9.94	9.33	126.03	226.34	547.71	153.22	133.99	19.23	7.968	
3,400.00	3,315.89	3,407.48	3,330.47	10.20	9.57	126.33	234.77	567.33	158.98	139.28	19.71	8.067	
3,500.00	3,412.73	3,507.65	3,427.99	10.48	9.82	126.61	243.20	586.95	164.75	144.55	20.20	8.156	
3,600.00	3,509.56	3,607.82	3,525.51	10.75	10.07	126.87	251.63	606.57	170.53	149.82	20.71	8.233	
3,700.00	3,606.40	3,707.99	3,623.03	11.04	10.33	127.11	260.05	626.18	176.30	155.07	21.24	8.302	
3,800.00	3,703.24	3,808.16	3,720.55	11.33	10.60	127.34	268.48	645.80	182.08	160.31	21.77	8.362	
3,900.00	3,800.07	3,908.33	3,818.08	11.63	10.88	127.55	276.91	665.42	187.87	165.54	22.32	8.415	
4,000.00	3,896.91	4,008.50	3,915.60	11.93	11.16	127.75	285.34	685.04	193.65	170.77	22.89	8.462	
4,100.00	3,993.75	4,091.33	4,013.12	12.24	11.39	127.94	293.77	704.66	199.44	176.03	23.41	8.520	
4,200.00	4,090.58	4,208.84	4,110.64	12.55	11.73	128.12	302.20	724.27	205.23	181.19	24.04	8.537	
4,300.00	4,187.42	4,309.01	4,208.16	12.87	12.02	128.29	310.63	743.89	211.02	186.39	24.63	8.567	
4,400.00	4,284.26	4,409.18	4,305.68	13.19	12.32	128.45	319.05	763.51	216.81	191.58	25.23	8.593	
4,500.00	4,381.09	4,509.35	4,403.20	13.52	12.62	128.60	327.48	783.13	222.61	196.77	25.84	8.616	
4,600.00	4,477.93	4,609.52	4,500.72	13.85	12.93	128.74	335.91	802.75	228.41	201.95	26.45	8.635	
4,700.00	4,574.77	4,709.69	4,598.24	14.18	13.24	128.88	344.34	822.36	234.20	207.13	27.07	8.651	
4,800.00	4,671.60	4,809.86	4,695.76	14.52	13.55	129.01	352.77	841.98	240.00	212.30	27.70	8.664	
4,900.00	4,768.44	4,889.97	4,793.28	14.86	13.80	129.13	361.20	861.60	245.80	217.53	28.27	8.695	
5,000.00	4,865.27	4,989.80	4,890.80	15.20	14.11	129.25	369.63	881.22	251.60	222.70	28.91	8.704	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 11C-3-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	4,962.11	5,089.63	4,988.32	15.54	14.43	129.36	378.05	900.84	257.40	227.86	29.55	8.711	
5,200.00	5,058.95	5,189.46	5,085.84	15.89	14.75	129.47	386.48	920.45	263.21	233.01	30.20	8.717	
5,300.00	5,155.78	5,289.29	5,183.36	16.24	15.07	129.57	394.91	940.07	269.01	238.17	30.85	8.721	
5,400.00	5,252.62	5,389.12	5,280.88	16.59	15.40	129.67	403.34	959.69	274.82	243.31	31.50	8.724	
5,500.00	5,349.46	5,488.95	5,378.40	16.94	15.72	129.77	411.77	979.31	280.62	248.46	32.16	8.726	
5,600.00	5,446.29	5,588.78	5,475.92	17.30	16.05	129.86	420.20	998.93	286.43	253.60	32.82	8.726	
5,700.00	5,543.13	5,688.62	5,573.44	17.65	16.38	129.94	428.63	1,018.54	292.24	258.75	33.49	8.726	
5,800.00	5,639.97	5,788.45	5,670.96	18.01	16.71	130.03	437.05	1,038.16	298.04	263.88	34.16	8.725	
5,900.00	5,736.80	5,888.28	5,768.48	18.37	17.04	130.11	445.48	1,057.78	303.85	269.02	34.83	8.723	
6,000.00	5,833.64	5,988.11	5,866.00	18.73	17.38	130.19	453.91	1,077.40	309.66	274.15	35.51	8.721	
6,100.00	5,930.48	6,087.94	5,963.52	19.09	17.71	130.26	462.34	1,097.02	315.47	279.28	36.19	8.718	
6,200.00	6,027.31	6,187.77	6,061.04	19.46	18.05	130.33	470.77	1,116.63	321.28	284.41	36.87	8.715	
6,300.00	6,124.15	6,287.60	6,158.56	19.82	18.39	130.40	479.20	1,136.25	327.09	289.54	37.55	8.711	
6,400.00	6,220.99	6,387.43	6,256.08	20.19	18.72	130.47	487.63	1,155.87	332.90	294.67	38.23	8.707	
6,500.00	6,317.82	6,487.26	6,353.60	20.55	19.06	130.53	496.05	1,175.49	338.71	299.79	38.92	8.702	
6,600.00	6,414.66	6,587.09	6,451.12	20.92	19.40	130.60	504.48	1,195.11	344.52	304.91	39.61	8.698	
6,700.00	6,511.50	6,686.92	6,548.64	21.29	19.75	130.66	512.91	1,214.72	350.33	310.03	40.30	8.693	
6,800.00	6,608.33	6,786.75	6,646.16	21.66	20.09	130.72	521.34	1,234.34	356.15	315.15	41.00	8.687	
6,900.00	6,705.11	6,886.57	6,743.67	22.03	20.43	126.95	529.77	1,253.96	361.98	320.29	41.69	8.683	
7,000.00	6,799.10	6,990.83	6,844.77	22.47	20.82	116.16	538.53	1,277.60	368.19	325.79	42.40	8.685	
7,100.00	6,887.20	7,099.78	6,945.26	23.02	21.34	111.56	547.38	1,318.40	373.63	330.27	43.36	8.617	
7,200.00	6,967.23	7,210.47	7,038.75	23.68	22.01	109.24	555.78	1,376.83	377.91	333.30	44.61	8.472	
7,300.00	7,037.23	7,322.61	7,121.72	24.45	22.84	107.96	563.42	1,451.66	380.84	334.69	46.14	8.253	
7,400.00	7,095.47	7,435.79	7,190.89	25.31	23.82	107.20	570.00	1,540.82	382.25	334.28	47.97	7.969	
7,500.00	7,140.51	7,549.54	7,243.46	26.27	24.93	106.69	575.27	1,641.37	382.05	331.97	50.08	7.629	
7,600.00	7,171.26	7,663.34	7,277.40	27.31	26.14	106.31	579.01	1,749.77	380.23	327.79	52.44	7.250	
7,700.00	7,186.94	7,776.67	7,291.57	28.40	27.42	105.99	581.11	1,862.04	376.84	321.85	54.98	6.854	
7,800.00	7,188.83	7,879.44	7,291.83	29.51	28.62	106.06	581.96	1,964.80	372.81	315.47	57.34	6.502	
7,900.00	7,188.47	7,979.36	7,291.61	30.67	29.82	106.25	582.74	2,064.71	368.99	309.31	59.68	6.183	
8,000.00	7,188.11	8,079.28	7,291.38	31.88	31.07	106.45	583.53	2,164.63	365.18	303.08	62.09	5.881	
8,100.00	7,187.76	8,179.20	7,291.16	33.12	32.35	106.65	584.31	2,264.55	361.36	296.79	64.58	5.596	
8,200.00	7,187.40	8,279.11	7,290.94	34.40	33.67	106.85	585.09	2,364.46	357.56	290.44	67.12	5.327	
8,300.00	7,187.04	8,379.03	7,290.72	35.71	35.02	107.06	585.87	2,464.38	353.76	284.04	69.72	5.074	
8,400.00	7,186.68	8,478.95	7,290.49	37.05	36.39	107.28	586.65	2,564.29	349.96	277.60	72.36	4.837	
8,500.00	7,186.32	8,578.87	7,290.27	38.42	37.79	107.50	587.44	2,664.21	346.17	271.13	75.04	4.613	
8,600.00	7,185.96	8,678.79	7,290.05	39.81	39.21	107.72	588.22	2,764.13	342.38	264.63	77.75	4.404	
8,700.00	7,185.60	8,778.71	7,289.82	41.22	40.65	107.95	589.00	2,864.04	338.60	258.10	80.49	4.207	
8,800.00	7,185.24	8,878.63	7,289.60	42.65	42.10	108.18	589.78	2,963.96	334.82	251.56	83.26	4.021	
8,900.00	7,184.89	8,978.55	7,289.38	44.10	43.57	108.42	590.57	3,063.87	331.05	245.00	86.05	3.847	
9,000.00	7,184.53	9,078.47	7,289.15	45.56	45.06	108.67	591.35	3,163.79	327.29	238.43	88.86	3.683	
9,100.00	7,184.17	9,178.39	7,288.93	47.04	46.56	108.92	592.13	3,263.71	323.53	231.84	91.69	3.529	
9,200.00	7,183.81	9,278.31	7,288.71	48.52	48.06	109.17	592.91	3,363.62	319.78	225.26	94.52	3.383	
9,300.00	7,183.45	9,378.23	7,288.48	50.03	49.58	109.43	593.70	3,463.54	316.03	218.66	97.37	3.246	
9,400.00	7,183.09	9,478.15	7,288.26	51.54	51.11	109.70	594.48	3,563.45	312.29	212.07	100.22	3.116	
9,500.00	7,182.73	9,578.07	7,288.04	53.06	52.65	109.98	595.26	3,663.37	308.56	205.48	103.08	2.993	
9,600.00	7,182.37	9,678.03	7,287.82	54.59	54.19	110.15	596.04	3,763.33	306.20	200.22	105.98	2.889	
9,697.87	7,182.02	9,775.90	7,287.60	56.09	55.71	110.20	596.81	3,861.20	305.79	196.92	108.87	2.809	
9,700.00	7,182.01	9,778.03	7,287.59	56.12	55.74	110.18	596.83	3,863.32	306.05	197.11	108.94	2.809	
9,800.00	7,181.65	9,878.03	7,287.37	57.67	57.30	110.21	597.61	3,963.32	305.96	194.04	111.92	2.734	
9,900.00	7,181.30	9,978.03	7,287.15	59.23	58.87	110.25	598.39	4,063.32	305.87	190.95	114.91	2.662	
10,000.00	7,180.94	10,078.03	7,286.92	60.79	60.44	110.28	599.17	4,163.31	305.78	187.86	117.92	2.593	
10,100.00	7,180.58	10,178.03	7,286.70	62.36	62.02	110.31	599.96	4,263.31	305.69	184.77	120.93	2.528	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 11C-3-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.00	7,180.22	10,278.03	7,286.48	63.94	63.60	110.35	600.74	4,363.31	305.61	181.66	123.95	2.466	
10,300.00	7,179.86	10,378.03	7,286.25	65.52	65.18	110.38	601.52	4,463.30	305.52	178.54	126.98	2.406	
10,400.00	7,179.50	10,478.03	7,286.03	67.10	66.77	110.41	602.31	4,563.30	305.43	175.42	130.01	2.349	
10,500.00	7,179.14	10,578.03	7,285.81	68.69	68.37	110.45	603.09	4,663.30	305.34	172.29	133.05	2.295	
10,600.00	7,178.78	10,678.03	7,285.58	70.28	69.97	110.48	603.87	4,763.29	305.25	169.16	136.10	2.243	
10,700.00	7,178.42	10,778.02	7,285.36	71.87	71.57	110.51	604.66	4,863.29	305.17	166.02	139.15	2.193	
10,800.00	7,178.06	10,878.02	7,285.14	73.47	73.17	110.55	605.44	4,963.29	305.08	162.88	142.20	2.145	
10,900.00	7,177.70	10,978.02	7,284.91	75.08	74.78	110.58	606.22	5,063.28	304.99	159.73	145.27	2.100	
11,000.00	7,177.34	11,078.02	7,284.69	76.68	76.39	110.61	607.00	5,163.28	304.91	156.57	148.33	2.056	
11,100.00	7,176.99	11,178.02	7,284.47	78.29	78.00	110.65	607.79	5,263.28	304.82	153.42	151.40	2.013	
11,200.00	7,176.63	11,278.02	7,284.24	79.90	79.62	110.68	608.57	5,363.27	304.73	150.26	154.47	1.973	
11,300.00	7,176.27	11,378.02	7,284.02	81.51	81.23	110.71	609.35	5,463.27	304.65	147.09	157.55	1.934	
11,400.00	7,175.91	11,478.02	7,283.80	83.13	82.85	110.75	610.14	5,563.26	304.56	143.93	160.63	1.896	
11,500.00	7,175.55	11,578.02	7,283.57	84.74	84.47	110.78	610.92	5,663.26	304.47	140.76	163.71	1.860	
11,600.00	7,175.19	11,678.02	7,283.35	86.36	86.10	110.81	611.70	5,763.26	304.39	137.59	166.80	1.825	
11,700.00	7,174.83	11,778.02	7,283.13	87.98	87.72	110.85	612.48	5,863.25	304.30	134.41	169.89	1.791	
11,800.00	7,174.47	11,878.02	7,282.90	89.61	89.35	110.88	613.27	5,963.25	304.21	131.24	172.98	1.759	
11,900.00	7,174.11	11,978.02	7,282.68	91.23	90.98	110.92	614.05	6,063.25	304.13	128.06	176.07	1.727	
12,000.00	7,173.75	12,078.02	7,282.46	92.86	92.61	110.95	614.83	6,163.24	304.04	124.88	179.16	1.697	
12,100.00	7,173.39	12,178.02	7,282.23	94.49	94.24	110.98	615.62	6,263.24	303.96	121.70	182.26	1.668	
12,200.00	7,173.03	12,278.02	7,282.01	96.12	95.87	111.02	616.40	6,363.24	303.87	118.51	185.36	1.639	
12,300.00	7,172.68	12,378.02	7,281.79	97.75	97.51	111.05	617.18	6,463.23	303.78	115.33	188.46	1.612	
12,400.00	7,172.32	12,478.02	7,281.56	99.38	99.14	111.08	617.97	6,563.23	303.70	112.14	191.56	1.585	
12,500.00	7,171.96	12,578.02	7,281.34	101.01	100.78	111.12	618.75	6,663.23	303.61	108.96	194.66	1.560	
12,600.00	7,171.60	12,678.02	7,281.12	102.65	102.42	111.15	619.53	6,763.22	303.53	105.77	197.76	1.535	
12,700.00	7,171.24	12,778.02	7,280.90	104.28	104.05	111.19	620.31	6,863.22	303.44	102.58	200.86	1.511	
12,800.00	7,170.88	12,878.02	7,280.67	105.92	105.69	111.22	621.10	6,963.22	303.36	99.39	203.97	1.487 Level 3	
12,900.00	7,170.52	12,978.02	7,280.45	107.56	107.33	111.25	621.88	7,063.21	303.27	96.20	207.07	1.465 Level 3	
13,000.00	7,170.16	13,078.02	7,280.23	109.20	108.98	111.29	622.66	7,163.21	303.19	93.01	210.18	1.443 Level 3	
13,100.00	7,169.80	13,178.02	7,280.00	110.84	110.62	111.32	623.45	7,263.21	303.10	89.81	213.29	1.421 Level 3	
13,200.00	7,169.44	13,278.02	7,279.78	112.48	112.26	111.35	624.23	7,363.20	303.02	86.62	216.39	1.400 Level 3	
13,300.00	7,169.08	13,378.02	7,279.56	114.12	113.91	111.39	625.01	7,463.20	302.93	83.43	219.50	1.380 Level 3	
13,400.00	7,168.72	13,478.02	7,279.33	115.77	115.55	111.42	625.79	7,563.19	302.85	80.24	222.61	1.360 Level 3	
13,500.00	7,168.37	13,578.02	7,279.11	117.41	117.20	111.46	626.58	7,663.19	302.76	77.04	225.72	1.341 Level 3	
13,600.00	7,168.01	13,678.02	7,278.89	119.05	118.85	111.49	627.36	7,763.19	302.68	73.85	228.83	1.323 Level 3	
13,700.00	7,167.65	13,778.02	7,278.66	120.70	120.49	111.52	628.14	7,863.18	302.59	70.66	231.94	1.305 Level 3	
13,800.00	7,167.29	13,878.02	7,278.44	122.35	122.14	111.56	628.93	7,963.18	302.51	67.46	235.05	1.287 Level 3	
13,900.00	7,166.93	13,978.02	7,278.22	123.99	123.79	111.59	629.71	8,063.18	302.43	64.27	238.16	1.270 Level 3	
14,000.00	7,166.57	14,078.02	7,277.99	125.64	125.44	111.63	630.49	8,163.17	302.34	61.07	241.27	1.253 Level 3	
14,100.00	7,166.21	14,178.02	7,277.77	127.29	127.09	111.66	631.28	8,263.17	302.26	57.88	244.38	1.237 Level 2	
14,200.00	7,165.85	14,278.02	7,277.55	128.94	128.74	111.69	632.06	8,363.17	302.18	54.69	247.49	1.221 Level 2	
14,300.00	7,165.49	14,378.02	7,277.32	130.59	130.39	111.73	632.84	8,463.16	302.09	51.49	250.60	1.205 Level 2	
14,400.00	7,165.13	14,478.02	7,277.10	132.24	132.04	111.76	633.62	8,563.16	302.01	48.30	253.71	1.190 Level 2	
14,500.00	7,164.77	14,578.02	7,276.88	133.89	133.69	111.80	634.41	8,663.16	301.92	45.11	256.82	1.176 Level 2	
14,600.00	7,164.41	14,678.02	7,276.65	135.54	135.35	111.83	635.19	8,763.15	301.84	41.91	259.93	1.161 Level 2	
14,700.00	7,164.06	14,778.02	7,276.43	137.19	137.00	111.86	635.97	8,863.15	301.76	38.72	263.04	1.147 Level 2	
14,800.00	7,163.70	14,878.02	7,276.21	138.84	138.65	111.90	636.76	8,963.15	301.68	35.53	266.15	1.133 Level 2	
14,900.00	7,163.34	14,978.02	7,275.98	140.49	140.31	111.93	637.54	9,063.14	301.59	32.34	269.26	1.120 Level 2	
15,000.00	7,162.98	15,078.02	7,275.76	142.15	141.96	111.97	638.32	9,163.14	301.51	29.15	272.36	1.107 Level 2	
15,100.00	7,162.62	15,178.02	7,275.54	143.80	143.61	112.00	639.10	9,263.14	301.43	25.95	275.47	1.094 Level 2	
15,200.00	7,162.26	15,278.02	7,275.31	145.45	145.27	112.04	639.89	9,363.13	301.34	22.76	278.58	1.082 Level 2	
15,300.00	7,161.90	15,378.02	7,275.09	147.11	146.93	112.07	640.67	9,463.13	301.26	19.57	281.69	1.069 Level 2	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 11C-3-L - Wellbore #1 - Design #1												Offset Site Error: 0.00 usft		
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error: 3.28 usft		
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,400.00	7,161.54	15,478.02	7,274.87	148.76	148.58	112.10	641.45	9,563.12	301.18	16.38	284.80	1.058 Level 2		
15,500.00	7,161.18	15,578.02	7,274.64	150.42	150.24	112.14	642.24	9,663.12	301.10	13.19	287.90	1.046 Level 2		
15,600.00	7,160.82	15,678.02	7,274.42	152.07	151.89	112.17	643.02	9,763.12	301.01	10.01	291.01	1.034 Level 2		
15,700.00	7,160.46	15,778.02	7,274.20	153.73	153.55	112.21	643.80	9,863.11	300.93	6.82	294.11	1.023 Level 2		
15,800.00	7,160.10	15,878.02	7,273.98	155.38	155.21	112.24	644.59	9,963.11	300.85	3.63	297.22	1.012 Level 2		
15,900.00	7,159.75	15,978.01	7,273.75	157.04	156.87	112.28	645.37	10,063.11	300.77	0.44	300.32	1.001 Level 2		
16,000.00	7,159.39	16,078.01	7,273.53	158.70	158.52	112.31	646.15	10,163.10	300.69	-2.74	303.43	0.991 Level 1		
16,100.00	7,159.03	16,178.01	7,273.31	160.35	160.18	112.34	646.93	10,263.10	300.61	-5.93	306.53	0.981 Level 1		
16,200.00	7,158.67	16,278.01	7,273.08	162.01	161.84	112.38	647.72	10,363.10	300.52	-9.11	309.64	0.971 Level 1		
16,300.00	7,158.31	16,378.01	7,272.86	163.67	163.50	112.41	648.50	10,463.09	300.44	-12.30	312.74	0.961 Level 1		
16,400.00	7,157.95	16,478.01	7,272.64	165.33	165.16	112.45	649.28	10,563.09	300.36	-15.48	315.84	0.951 Level 1		
16,500.00	7,157.59	16,578.01	7,272.41	166.99	166.82	112.48	650.07	10,663.09	300.28	-18.66	318.94	0.941 Level 1		
16,600.00	7,157.23	16,678.01	7,272.19	168.64	168.48	112.52	650.85	10,763.08	300.20	-21.84	322.04	0.932 Level 1		
16,700.00	7,156.87	16,778.01	7,271.97	170.30	170.14	112.55	651.63	10,863.08	300.12	-25.02	325.14	0.923 Level 1		
16,800.00	7,156.51	16,878.01	7,271.74	171.96	171.80	112.59	652.42	10,963.08	300.04	-28.20	328.24	0.914 Level 1		
16,900.00	7,156.15	16,978.01	7,271.52	173.62	173.46	112.62	653.20	11,063.07	299.96	-31.38	331.34	0.905 Level 1		
17,000.00	7,155.79	17,078.01	7,271.30	175.28	175.12	112.65	653.98	11,163.07	299.88	-34.56	334.44	0.897 Level 1		
17,100.00	7,155.44	17,178.01	7,271.07	176.94	176.78	112.69	654.76	11,263.07	299.79	-37.74	337.53	0.888 Level 1		
17,200.00	7,155.08	17,278.01	7,270.85	178.60	178.44	112.72	655.55	11,363.06	299.71	-40.92	340.63	0.880 Level 1		
17,300.00	7,154.72	17,378.01	7,270.63	180.26	180.10	112.76	656.33	11,463.06	299.63	-44.09	343.73	0.872 Level 1		
17,400.00	7,154.36	17,478.01	7,270.40	181.92	181.76	112.79	657.11	11,563.05	299.55	-47.27	346.82	0.864 Level 1		
17,500.00	7,154.00	17,578.01	7,270.18	183.58	183.42	112.83	657.90	11,663.05	299.47	-50.44	349.91	0.856 Level 1		
17,600.00	7,153.64	17,678.01	7,269.96	185.24	185.08	112.86	658.68	11,763.05	299.39	-53.61	353.01	0.848 Level 1		
17,700.00	7,153.28	17,778.01	7,269.73	186.90	186.74	112.90	659.46	11,863.04	299.31	-56.79	356.10	0.841 Level 1		
17,800.00	7,152.92	17,878.01	7,269.51	188.56	188.41	112.93	660.24	11,963.04	299.23	-59.96	359.19	0.833 Level 1		
17,900.00	7,152.56	17,978.01	7,269.29	190.23	190.07	112.97	661.03	12,063.04	299.15	-63.13	362.28	0.826 Level 1		
18,000.00	7,152.20	18,078.01	7,269.06	191.89	191.73	113.00	661.81	12,163.03	299.07	-66.30	365.37	0.819 Level 1		
18,100.00	7,151.84	18,178.01	7,268.84	193.55	193.39	113.04	662.59	12,263.03	299.00	-69.46	368.46	0.811 Level 1		
18,138.70	7,151.70	18,216.71	7,268.75	194.19	194.04	113.05	662.90	12,301.73	298.96	-70.69	369.65	0.809 Level 1, ES, SF		
18,156.36	7,151.64	18,206.76	7,268.78	194.48	193.87	113.05	662.82	12,291.78	300.22	-67.53	367.75	0.816 Level 1		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 11N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	-90.02	-0.01	-20.05	20.05				
100.00	100.00	100.00	100.00	3.28	3.28	-90.02	-0.01	-20.05	20.05	12.52	7.53	2.662	
200.00	200.00	200.00	200.00	3.31	3.31	-90.02	-0.01	-20.05	20.05	12.47	7.57	2.647	
300.00	300.00	300.43	300.42	3.35	3.35	-143.98	0.68	-19.15	19.39	11.73	7.66	2.531	
400.00	399.94	400.93	400.81	3.42	3.42	-140.81	3.46	-15.50	18.41	10.62	7.79	2.364	
500.00	499.72	501.37	500.92	3.51	3.51	-136.86	8.36	-9.07	17.59	9.64	7.95	2.213	
600.00	599.20	601.76	600.63	3.62	3.63	-132.13	15.39	0.15	16.99	8.83	8.16	2.081	
700.00	698.27	702.10	699.83	3.76	3.78	-126.71	24.53	12.13	16.65	8.21	8.44	1.973	
765.69	763.07	767.98	764.65	3.87	3.89	-122.86	31.68	21.50	16.58	7.92	8.66	1.915 CC	
800.00	796.81	802.38	799.38	3.93	3.96	-120.78	35.77	26.86	16.60	7.81	8.78	1.890	
900.00	894.69	902.61	896.17	4.15	4.19	-114.62	49.08	44.32	16.88	7.65	9.22	1.830	
1,000.00	991.81	1,002.79	993.08	4.41	4.47	-108.37	64.44	64.47	17.49	7.71	9.78	1.789	
1,100.00	1,088.65	1,102.76	1,089.36	4.71	4.80	-101.06	80.76	85.87	18.26	7.83	10.43	1.751	
1,200.00	1,185.48	1,202.73	1,185.64	5.04	5.15	-94.44	97.09	107.27	19.31	8.17	11.14	1.734	
1,300.00	1,282.32	1,302.70	1,281.92	5.39	5.53	-88.56	113.41	128.68	20.59	8.71	11.88	1.733	
1,400.00	1,379.16	1,402.67	1,378.20	5.76	5.92	-83.42	129.73	150.08	22.06	9.42	12.64	1.746	
1,500.00	1,475.99	1,502.64	1,474.48	6.14	6.34	-78.96	146.06	171.48	23.68	10.28	13.40	1.767	
1,600.00	1,572.83	1,602.61	1,570.75	6.54	6.76	-75.08	162.38	192.89	25.43	11.26	14.17	1.795	
1,700.00	1,669.67	1,702.58	1,667.03	6.94	7.19	-71.72	178.70	214.29	27.28	12.34	14.94	1.826	
1,800.00	1,766.50	1,802.55	1,763.31	7.36	7.63	-68.79	195.03	235.70	29.21	13.50	15.71	1.860	
1,900.00	1,863.34	1,902.52	1,859.59	7.59	7.88	-66.24	211.35	257.10	31.21	15.49	15.72	1.985	
2,000.00	1,960.18	2,002.49	1,955.87	7.65	7.94	-63.99	227.67	278.50	33.26	17.50	15.76	2.111	
2,100.00	2,057.01	2,102.47	2,052.15	7.73	8.03	-62.01	243.99	299.91	35.36	19.52	15.84	2.232	
2,200.00	2,153.85	2,202.44	2,148.43	7.83	8.14	-60.25	260.32	321.31	37.49	21.53	15.96	2.349	
2,300.00	2,250.69	2,302.41	2,244.71	7.95	8.26	-58.68	276.64	342.71	39.66	23.54	16.12	2.460	
2,400.00	2,347.52	2,402.38	2,340.99	8.08	8.41	-57.27	292.96	364.12	41.85	25.53	16.32	2.565	
2,500.00	2,444.36	2,502.35	2,437.26	8.24	8.57	-56.01	309.29	385.52	44.07	27.52	16.55	2.662	
2,600.00	2,541.20	2,602.32	2,533.54	8.40	8.75	-54.87	325.61	406.93	46.30	29.48	16.82	2.753	
2,700.00	2,638.03	2,702.29	2,629.82	8.59	8.94	-53.83	341.93	428.33	48.56	31.43	17.12	2.836	
2,800.00	2,734.87	2,802.26	2,726.10	8.78	9.15	-52.88	358.26	449.73	50.82	33.37	17.45	2.912	
2,900.00	2,831.71	2,902.23	2,822.38	8.99	9.37	-52.02	374.58	471.14	53.10	35.29	17.81	2.981	
3,000.00	2,928.54	3,002.20	2,918.66	9.21	9.61	-51.23	390.90	492.54	55.39	37.20	18.20	3.044	
3,100.00	3,025.38	3,102.18	3,014.94	9.45	9.85	-50.50	407.23	513.95	57.69	39.08	18.61	3.101	
3,200.00	3,122.22	3,202.15	3,111.22	9.69	10.11	-49.82	423.55	535.35	60.00	40.96	19.04	3.151	
3,300.00	3,219.05	3,302.12	3,207.50	9.94	10.38	-49.20	439.87	556.75	62.32	42.82	19.49	3.197	
3,400.00	3,315.89	3,402.09	3,303.77	10.20	10.65	-48.62	456.19	578.16	64.64	44.67	19.97	3.237	
3,500.00	3,412.73	3,502.06	3,400.05	10.48	10.94	-48.08	472.52	599.56	66.97	46.51	20.46	3.273	
3,600.00	3,509.56	3,602.03	3,496.33	10.75	11.23	-47.58	488.84	620.96	69.30	48.34	20.97	3.305	
3,700.00	3,606.40	3,702.00	3,592.61	11.04	11.53	-47.11	505.16	642.37	71.64	50.15	21.49	3.334	
3,800.00	3,703.24	3,801.97	3,688.89	11.33	11.83	-46.67	521.49	663.77	73.99	51.96	22.03	3.358	
3,900.00	3,800.07	3,901.94	3,785.17	11.63	12.15	-46.26	537.81	685.18	76.34	53.75	22.58	3.380	
4,000.00	3,896.91	4,001.91	3,881.45	11.93	12.47	-45.87	554.13	706.58	78.69	55.54	23.14	3.400	
4,100.00	3,993.75	4,101.88	3,977.73	12.24	12.79	-45.51	570.46	727.98	81.04	57.32	23.72	3.417	
4,200.00	4,090.58	4,201.86	4,074.01	12.55	13.12	-45.16	586.78	749.39	83.40	59.10	24.30	3.432	
4,300.00	4,187.42	4,301.83	4,170.28	12.87	13.45	-44.83	603.10	770.79	85.76	60.86	24.90	3.444	
4,400.00	4,284.26	4,401.80	4,266.56	13.19	13.79	-44.53	619.43	792.20	88.13	62.62	25.50	3.456	
4,500.00	4,381.09	4,501.77	4,362.84	13.52	14.13	-44.23	635.75	813.60	90.49	64.38	26.11	3.465	
4,600.00	4,477.93	4,601.74	4,459.12	13.85	14.47	-43.96	652.07	835.00	92.86	66.13	26.73	3.474	
4,700.00	4,574.77	4,701.71	4,555.40	14.18	14.82	-43.69	668.39	856.41	95.23	67.87	27.36	3.481	
4,800.00	4,671.60	4,801.68	4,651.68	14.52	15.17	-43.44	684.72	877.81	97.61	69.61	27.99	3.487	
4,900.00	4,768.44	4,901.65	4,747.96	14.86	15.53	-43.20	701.04	899.21	99.98	71.35	28.63	3.492	
5,000.00	4,865.27	5,001.62	4,844.24	15.20	15.89	-42.97	717.36	920.62	102.36	73.08	29.28	3.496	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 11N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	4,962.11	5,101.59	4,940.52	15.54	16.25	-42.76	733.69	942.02	104.73	74.81	29.93	3.500	
5,200.00	5,058.95	5,201.57	5,036.79	15.89	16.61	-42.55	750.01	963.43	107.11	76.53	30.58	3.503	
5,300.00	5,155.78	5,301.54	5,133.07	16.24	16.97	-42.35	766.33	984.83	109.49	78.25	31.24	3.505	
5,400.00	5,252.62	5,401.51	5,229.35	16.59	17.34	-42.16	782.66	1,006.23	111.87	79.97	31.90	3.507	
5,500.00	5,349.46	5,501.48	5,325.63	16.94	17.71	-41.98	798.98	1,027.64	114.26	81.69	32.57	3.508	
5,600.00	5,446.29	5,601.45	5,421.91	17.30	18.08	-41.80	815.30	1,049.04	116.64	83.40	33.24	3.509	
5,700.00	5,543.13	5,701.42	5,518.19	17.65	18.45	-41.63	831.62	1,070.45	119.03	85.11	33.92	3.509	
5,800.00	5,639.97	5,801.39	5,614.47	18.01	18.82	-41.47	847.95	1,091.85	121.41	86.82	34.60	3.510	
5,900.00	5,736.80	5,901.36	5,710.75	18.37	19.20	-41.32	864.27	1,113.25	123.80	88.52	35.28	3.509	
6,000.00	5,833.64	6,001.33	5,807.03	18.73	19.57	-41.17	880.59	1,134.66	126.19	90.23	35.96	3.509	
6,100.00	5,930.48	6,101.30	5,903.30	19.09	19.95	-41.03	896.92	1,156.06	128.58	91.93	36.65	3.508	
6,200.00	6,027.31	6,201.27	5,999.58	19.46	20.33	-40.89	913.24	1,177.46	130.97	93.63	37.34	3.508	
6,300.00	6,124.15	6,301.25	6,095.86	19.82	20.71	-40.75	929.56	1,198.87	133.36	95.33	38.03	3.507	
6,400.00	6,220.99	6,401.22	6,192.14	20.19	21.09	-40.62	945.89	1,220.27	135.75	97.02	38.72	3.505	
6,500.00	6,317.82	6,501.19	6,288.42	20.55	21.48	-40.50	962.21	1,241.68	138.14	98.72	39.42	3.504	
6,600.00	6,414.66	6,601.16	6,384.70	20.92	21.86	-40.38	978.53	1,263.08	140.53	100.41	40.12	3.503	
6,700.00	6,511.50	6,701.13	6,480.98	21.29	22.25	-40.26	994.86	1,284.48	142.92	102.10	40.82	3.501	
6,800.00	6,608.33	6,801.10	6,577.26	21.66	22.63	-40.15	1,011.18	1,305.89	145.32	103.79	41.52	3.500	
6,900.00	6,705.11	6,897.66	6,669.65	22.03	23.02	-42.92	1,026.86	1,328.97	148.32	106.22	42.11	3.522	
7,000.00	6,799.10	6,991.16	6,755.26	22.47	23.48	-52.30	1,041.44	1,363.40	152.53	109.85	42.68	3.574	
7,100.00	6,887.20	7,083.95	6,834.39	23.02	24.04	-56.11	1,055.00	1,409.77	156.97	113.48	43.49	3.609	
7,200.00	6,967.23	7,176.18	6,905.62	23.68	24.69	-57.97	1,067.28	1,466.92	161.42	116.89	44.54	3.625	
7,300.00	7,037.23	7,268.01	6,967.70	24.45	25.42	-59.11	1,078.06	1,533.60	165.74	119.89	45.84	3.615	
7,400.00	7,095.47	7,359.59	7,019.57	25.31	26.23	-60.01	1,087.16	1,608.44	169.77	122.33	47.44	3.579	
7,500.00	7,140.51	7,451.10	7,060.28	26.27	27.12	-60.90	1,094.41	1,689.99	173.44	124.09	49.35	3.514	
7,600.00	7,171.26	7,542.70	7,089.06	27.31	28.07	-61.87	1,099.69	1,776.70	176.67	125.11	51.57	3.426	
7,700.00	7,186.94	7,634.54	7,105.32	28.40	29.07	-62.97	1,102.86	1,866.96	179.45	125.40	54.05	3.320	
7,800.00	7,188.83	7,728.57	7,108.95	29.51	30.12	-63.96	1,103.93	1,960.85	182.14	125.53	56.61	3.218	
7,900.00	7,188.47	7,828.50	7,108.72	30.67	31.27	-64.50	1,104.38	2,060.78	185.40	126.40	59.00	3.143	
8,000.00	7,188.11	7,928.43	7,108.48	31.88	32.46	-65.01	1,104.82	2,160.71	188.67	127.21	61.47	3.070	
8,100.00	7,187.76	8,028.37	7,108.25	33.12	33.69	-65.51	1,105.27	2,260.64	191.96	127.96	64.01	2.999	
8,200.00	7,187.40	8,128.30	7,108.02	34.40	34.96	-65.99	1,105.72	2,360.57	195.27	128.65	66.62	2.931	
8,300.00	7,187.04	8,228.23	7,107.79	35.71	36.26	-66.46	1,106.16	2,460.50	198.58	129.30	69.28	2.866	
8,400.00	7,186.68	8,328.16	7,107.55	37.05	37.58	-66.91	1,106.61	2,560.43	201.91	129.91	72.00	2.804	
8,500.00	7,186.32	8,428.09	7,107.32	38.42	38.94	-67.34	1,107.06	2,660.36	205.26	130.48	74.77	2.745	
8,600.00	7,185.96	8,528.03	7,107.09	39.81	40.32	-67.76	1,107.50	2,760.29	208.61	131.02	77.59	2.689	
8,700.00	7,185.60	8,627.96	7,106.85	41.22	41.71	-68.17	1,107.95	2,860.22	211.97	131.54	80.44	2.635	
8,800.00	7,185.24	8,727.89	7,106.62	42.65	43.13	-68.57	1,108.40	2,960.15	215.35	132.02	83.33	2.584	
8,900.00	7,184.89	8,827.82	7,106.39	44.10	44.57	-68.95	1,108.84	3,060.09	218.73	132.49	86.25	2.536	
9,000.00	7,184.53	8,927.76	7,106.15	45.56	46.02	-69.32	1,109.29	3,160.02	222.13	132.93	89.20	2.490	
9,100.00	7,184.17	9,027.69	7,105.92	47.04	47.48	-69.68	1,109.74	3,259.95	225.53	133.36	92.17	2.447	
9,200.00	7,183.81	9,127.62	7,105.69	48.52	48.96	-70.03	1,110.18	3,359.88	228.94	133.77	95.17	2.406	
9,300.00	7,183.45	9,227.55	7,105.46	50.03	50.45	-70.37	1,110.63	3,459.81	232.36	134.17	98.20	2.366	
9,400.00	7,183.09	9,327.48	7,105.22	51.54	51.95	-70.70	1,111.08	3,559.74	235.79	134.55	101.24	2.329	
9,500.00	7,182.73	9,427.42	7,104.99	53.06	53.46	-71.02	1,111.52	3,659.67	239.23	134.92	104.31	2.294	
9,600.00	7,182.37	9,527.39	7,104.76	54.59	54.98	-71.24	1,111.97	3,759.64	241.29	133.95	107.35	2.248	
9,700.00	7,182.01	9,627.39	7,104.52	56.12	56.51	-71.26	1,112.42	3,859.64	241.14	130.80	110.34	2.185	
9,800.00	7,181.65	9,727.39	7,104.29	57.67	58.05	-71.27	1,112.86	3,959.64	240.91	127.56	113.35	2.125	
9,900.00	7,181.30	9,827.39	7,104.06	59.23	59.59	-71.28	1,113.31	4,059.64	240.69	124.32	116.38	2.068	
10,000.00	7,180.94	9,927.39	7,103.83	60.79	61.15	-71.30	1,113.76	4,159.63	240.47	121.06	119.41	2.014	
10,100.00	7,180.58	10,027.39	7,103.59	62.36	62.70	-71.31	1,114.20	4,259.63	240.25	117.79	122.46	1.962	
10,200.00	7,180.22	10,127.39	7,103.36	63.94	64.27	-71.32	1,114.65	4,359.63	240.02	114.51	125.51	1.912	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 11N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,179.86	10,227.38	7,103.13	65.52	65.83	-71.34	1,115.10	4,459.63	239.80	111.22	128.58	1.865	
10,400.00	7,179.50	10,327.38	7,102.89	67.10	67.41	-71.35	1,115.55	4,559.63	239.58	107.93	131.65	1.820	
10,500.00	7,179.14	10,427.38	7,102.66	68.69	68.99	-71.37	1,115.99	4,659.63	239.36	104.62	134.73	1.777	
10,600.00	7,178.78	10,527.38	7,102.43	70.28	70.57	-71.38	1,116.44	4,759.63	239.14	101.31	137.82	1.735	
10,700.00	7,178.42	10,627.38	7,102.19	71.87	72.15	-71.39	1,116.89	4,859.62	238.91	97.99	140.92	1.695	
10,800.00	7,178.06	10,727.38	7,101.96	73.47	73.74	-71.41	1,117.33	4,959.62	238.69	94.67	144.02	1.657	
10,900.00	7,177.70	10,827.38	7,101.73	75.08	75.34	-71.42	1,117.78	5,059.62	238.47	91.34	147.13	1.621	
11,000.00	7,177.34	10,927.38	7,101.49	76.68	76.94	-71.44	1,118.23	5,159.62	238.25	88.00	150.24	1.586	
11,100.00	7,176.99	11,027.38	7,101.26	78.29	78.54	-71.45	1,118.67	5,259.62	238.03	84.66	153.36	1.552	
11,200.00	7,176.63	11,127.38	7,101.03	79.90	80.14	-71.46	1,119.12	5,359.62	237.80	81.31	156.49	1.520	
11,300.00	7,176.27	11,227.38	7,100.80	81.51	81.74	-71.48	1,119.57	5,459.61	237.58	77.96	159.62	1.488	Level 3
11,400.00	7,175.91	11,327.38	7,100.56	83.13	83.35	-71.49	1,120.01	5,559.61	237.36	74.61	162.75	1.458	Level 3
11,500.00	7,175.55	11,427.38	7,100.33	84.74	84.96	-71.51	1,120.46	5,659.61	237.14	71.25	165.89	1.429	Level 3
11,600.00	7,175.19	11,527.38	7,100.10	86.36	86.58	-71.52	1,120.91	5,759.61	236.92	67.88	169.03	1.402	Level 3
11,700.00	7,174.83	11,627.38	7,099.86	87.98	88.19	-71.54	1,121.35	5,859.61	236.69	64.51	172.18	1.375	Level 3
11,800.00	7,174.47	11,727.38	7,099.63	89.61	89.81	-71.55	1,121.80	5,959.61	236.47	61.14	175.33	1.349	Level 3
11,900.00	7,174.11	11,827.38	7,099.40	91.23	91.43	-71.56	1,122.25	6,059.61	236.25	57.76	178.49	1.324	Level 3
12,000.00	7,173.75	11,927.38	7,099.16	92.86	93.05	-71.58	1,122.70	6,159.60	236.03	54.38	181.64	1.299	Level 3
12,100.00	7,173.39	12,027.38	7,098.93	94.49	94.67	-71.59	1,123.14	6,259.60	235.81	51.00	184.80	1.276	Level 3
12,200.00	7,173.03	12,127.38	7,098.70	96.12	96.30	-71.61	1,123.59	6,359.60	235.58	47.62	187.97	1.253	Level 3
12,300.00	7,172.68	12,227.38	7,098.46	97.75	97.92	-71.62	1,124.04	6,459.60	235.36	44.23	191.13	1.231	Level 2
12,400.00	7,172.32	12,327.38	7,098.23	99.38	99.55	-71.64	1,124.48	6,559.60	235.14	40.84	194.30	1.210	Level 2
12,500.00	7,171.96	12,427.38	7,098.00	101.01	101.18	-71.65	1,124.93	6,659.60	234.92	37.44	197.47	1.190	Level 2
12,600.00	7,171.60	12,527.38	7,097.77	102.65	102.81	-71.66	1,125.38	6,759.59	234.70	34.05	200.65	1.170	Level 2
12,700.00	7,171.24	12,627.38	7,097.53	104.28	104.44	-71.68	1,125.82	6,859.59	234.47	30.65	203.83	1.150	Level 2
12,800.00	7,170.88	12,727.38	7,097.30	105.92	106.08	-71.69	1,126.27	6,959.59	234.25	27.25	207.01	1.132	Level 2
12,900.00	7,170.52	12,827.38	7,097.07	107.56	107.71	-71.71	1,126.72	7,059.59	234.03	23.84	210.19	1.113	Level 2
13,000.00	7,170.16	12,927.38	7,096.83	109.20	109.35	-71.72	1,127.16	7,159.59	233.81	20.44	213.37	1.096	Level 2
13,100.00	7,169.80	13,027.38	7,096.60	110.84	110.98	-71.74	1,127.61	7,259.59	233.59	17.03	216.56	1.079	Level 2
13,200.00	7,169.44	13,127.38	7,096.37	112.48	112.62	-71.75	1,128.06	7,359.59	233.36	13.62	219.75	1.062	Level 2
13,300.00	7,169.08	13,227.38	7,096.13	114.12	114.26	-71.77	1,128.51	7,459.58	233.14	10.21	222.94	1.046	Level 2
13,400.00	7,168.72	13,327.38	7,095.90	115.77	115.90	-71.78	1,128.95	7,559.58	232.92	6.79	226.13	1.030	Level 2
13,500.00	7,168.37	13,427.38	7,095.67	117.41	117.54	-71.80	1,129.40	7,659.58	232.70	3.37	229.32	1.015	Level 2
13,600.00	7,168.01	13,527.38	7,095.43	119.05	119.18	-71.81	1,129.85	7,759.58	232.48	-0.04	232.52	1.000	Level 1
13,700.00	7,167.65	13,627.38	7,095.20	120.70	120.82	-71.83	1,130.29	7,859.58	232.26	-3.46	235.72	0.985	Level 1
13,800.00	7,167.29	13,727.38	7,094.97	122.35	122.47	-71.84	1,130.74	7,959.58	232.03	-6.88	238.92	0.971	Level 1
13,900.00	7,166.93	13,827.38	7,094.74	123.99	124.11	-71.86	1,131.19	8,059.57	231.81	-10.31	242.12	0.957	Level 1
14,000.00	7,166.57	13,927.38	7,094.50	125.64	125.75	-71.87	1,131.63	8,159.57	231.59	-13.73	245.32	0.944	Level 1
14,100.00	7,166.21	14,027.37	7,094.27	127.29	127.40	-71.88	1,132.08	8,259.57	231.37	-17.16	248.53	0.931	Level 1
14,200.00	7,165.85	14,127.37	7,094.04	128.94	129.05	-71.90	1,132.53	8,359.57	231.15	-20.58	251.73	0.918	Level 1
14,300.00	7,165.49	14,227.37	7,093.80	130.59	130.69	-71.91	1,132.97	8,459.57	230.93	-24.01	254.94	0.906	Level 1
14,400.00	7,165.13	14,327.37	7,093.57	132.24	132.34	-71.93	1,133.42	8,559.57	230.70	-27.44	258.15	0.894	Level 1
14,500.00	7,164.77	14,427.37	7,093.34	133.89	133.99	-71.94	1,133.87	8,659.57	230.48	-30.87	261.36	0.882	Level 1
14,600.00	7,164.41	14,527.37	7,093.10	135.54	135.64	-71.96	1,134.31	8,759.56	230.26	-34.31	264.57	0.870	Level 1
14,700.00	7,164.06	14,627.37	7,092.87	137.19	137.29	-71.97	1,134.76	8,859.56	230.04	-37.74	267.78	0.859	Level 1
14,800.00	7,163.70	14,727.37	7,092.64	138.84	138.94	-71.99	1,135.21	8,959.56	229.82	-41.18	270.99	0.848	Level 1
14,900.00	7,163.34	14,827.37	7,092.40	140.49	140.59	-72.00	1,135.66	9,059.56	229.60	-44.61	274.21	0.837	Level 1
15,000.00	7,162.98	14,927.37	7,092.17	142.15	142.24	-72.02	1,136.10	9,159.56	229.38	-48.05	277.43	0.827	Level 1
15,100.00	7,162.62	15,027.37	7,091.94	143.80	143.89	-72.04	1,136.55	9,259.56	229.15	-51.49	280.64	0.817	Level 1
15,200.00	7,162.26	15,127.37	7,091.71	145.45	145.54	-72.05	1,137.00	9,359.55	228.93	-54.93	283.86	0.806	Level 1
15,300.00	7,161.90	15,227.37	7,091.47	147.11	147.19	-72.07	1,137.44	9,459.55	228.71	-58.37	287.08	0.797	Level 1
15,400.00	7,161.54	15,327.37	7,091.24	148.76	148.84	-72.08	1,137.89	9,559.55	228.49	-61.81	290.30	0.787	Level 1

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 11N-3B-L - Wellbore #1 - Design #1													<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,161.18	15,427.37	7,091.01	150.42	150.50	-72.10	1,138.34	9,659.55	228.27	-65.26	293.53	0.778	Level 1	
15,600.00	7,160.82	15,527.37	7,090.77	152.07	152.15	-72.11	1,138.78	9,759.55	228.05	-68.70	296.75	0.768	Level 1	
15,700.00	7,160.46	15,627.37	7,090.54	153.73	153.80	-72.13	1,139.23	9,859.55	227.82	-72.15	299.97	0.759	Level 1	
15,800.00	7,160.10	15,727.37	7,090.31	155.38	155.46	-72.14	1,139.68	9,959.55	227.60	-75.59	303.20	0.751	Level 1	
15,900.00	7,159.75	15,827.37	7,090.07	157.04	157.11	-72.16	1,140.12	10,059.54	227.38	-79.04	306.42	0.742	Level 1	
16,000.00	7,159.39	15,927.37	7,089.84	158.70	158.77	-72.17	1,140.57	10,159.54	227.16	-82.49	309.65	0.734	Level 1	
16,100.00	7,159.03	16,027.37	7,089.61	160.35	160.42	-72.19	1,141.02	10,259.54	226.94	-85.94	312.88	0.725	Level 1	
16,200.00	7,158.67	16,127.37	7,089.38	162.01	162.08	-72.20	1,141.47	10,359.54	226.72	-89.39	316.11	0.717	Level 1	
16,300.00	7,158.31	16,227.37	7,089.14	163.67	163.73	-72.22	1,141.91	10,459.54	226.50	-92.84	319.34	0.709	Level 1	
16,400.00	7,157.95	16,327.37	7,088.91	165.33	165.39	-72.24	1,142.36	10,559.54	226.28	-96.29	322.57	0.701	Level 1	
16,500.00	7,157.59	16,427.37	7,088.68	166.99	167.05	-72.25	1,142.81	10,659.53	226.05	-99.75	325.80	0.694	Level 1	
16,600.00	7,157.23	16,527.37	7,088.44	168.64	168.70	-72.27	1,143.25	10,759.53	225.83	-103.20	329.03	0.686	Level 1	
16,700.00	7,156.87	16,627.37	7,088.21	170.30	170.36	-72.28	1,143.70	10,859.53	225.61	-106.66	332.27	0.679	Level 1	
16,800.00	7,156.51	16,727.37	7,087.98	171.96	172.02	-72.30	1,144.15	10,959.53	225.39	-110.11	335.50	0.672	Level 1	
16,900.00	7,156.15	16,827.37	7,087.74	173.62	173.68	-72.31	1,144.59	11,059.53	225.17	-113.57	338.74	0.665	Level 1	
17,000.00	7,155.79	16,927.37	7,087.51	175.28	175.34	-72.33	1,145.04	11,159.53	224.95	-117.03	341.97	0.658	Level 1	
17,100.00	7,155.44	17,027.37	7,087.28	176.94	176.99	-72.34	1,145.49	11,259.53	224.73	-120.48	345.21	0.651	Level 1	
17,200.00	7,155.08	17,127.37	7,087.04	178.60	178.65	-72.36	1,145.93	11,359.52	224.51	-123.94	348.45	0.644	Level 1	
17,300.00	7,154.72	17,227.37	7,086.81	180.26	180.31	-72.38	1,146.38	11,459.52	224.28	-127.40	351.69	0.638	Level 1	
17,400.00	7,154.36	17,327.37	7,086.58	181.92	181.97	-72.39	1,146.83	11,559.52	224.06	-130.86	354.93	0.631	Level 1	
17,500.00	7,154.00	17,427.37	7,086.35	183.58	183.63	-72.41	1,147.27	11,659.52	223.84	-134.32	358.17	0.625	Level 1	
17,600.00	7,153.64	17,527.37	7,086.11	185.24	185.29	-72.42	1,147.72	11,759.52	223.62	-137.79	361.41	0.619	Level 1	
17,700.00	7,153.28	17,627.37	7,085.88	186.90	186.95	-72.44	1,148.17	11,859.52	223.40	-141.25	364.65	0.613	Level 1	
17,800.00	7,152.92	17,727.37	7,085.65	188.56	188.61	-72.46	1,148.62	11,959.51	223.18	-144.71	367.89	0.607	Level 1	
17,900.00	7,152.56	17,827.36	7,085.41	190.23	190.27	-72.47	1,149.06	12,059.51	222.96	-148.18	371.14	0.601	Level 1	
18,000.00	7,152.20	17,927.36	7,085.18	191.89	191.93	-72.49	1,149.51	12,159.51	222.74	-151.64	374.38	0.595	Level 1	
18,100.00	7,151.84	18,027.36	7,084.95	193.55	193.59	-72.50	1,149.96	12,259.51	222.52	-155.11	377.62	0.589	Level 1	
18,156.36	7,151.64	18,083.73	7,084.82	194.48	194.53	-72.51	1,150.21	12,315.87	222.39	-157.06	379.45	0.586	Level 1, ES, SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 12N-6A-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.00	-2.00	3.28	3.28	90.22	-4.70	1,239.76	1,239.77				
100.00	100.00	102.00	98.00	3.28	3.28	90.22	-4.70	1,239.76	1,239.77	1,232.24	7.53	164.664	
200.00	200.00	202.00	198.00	3.31	3.31	90.22	-4.70	1,239.76	1,239.77	1,232.19	7.57	163.675	
300.00	300.00	284.88	284.88	3.35	3.34	34.72	-4.60	1,239.94	1,239.79	1,232.14	7.65	161.971	
400.00	399.94	357.54	357.52	3.42	3.38	34.74	-3.71	1,241.52	1,239.37	1,231.61	7.76	159.754	
500.00	499.72	430.22	430.10	3.51	3.44	34.80	-1.92	1,244.69	1,238.29	1,230.39	7.89	156.928	
600.00	599.20	500.00	499.68	3.62	3.51	34.88	0.65	1,249.25	1,236.55	1,228.50	8.05	153.620	
700.00	698.27	575.65	574.95	3.76	3.59	35.01	4.37	1,255.87	1,234.14	1,225.89	8.25	149.623	
800.00	796.81	648.43	647.15	3.93	3.69	35.16	8.88	1,263.86	1,231.09	1,222.61	8.48	145.217	
900.00	894.69	721.26	719.13	4.15	3.80	35.35	14.28	1,273.45	1,227.39	1,218.65	8.74	140.366	
1,000.00	991.81	800.00	796.63	4.41	3.94	35.57	21.14	1,285.61	1,223.12	1,214.05	9.07	134.893	
1,100.00	1,088.65	886.31	881.28	4.71	4.12	35.76	29.42	1,300.31	1,219.50	1,210.05	9.45	129.047	
1,200.00	1,185.48	986.14	979.17	5.04	4.36	35.98	39.02	1,317.35	1,216.00	1,206.09	9.91	122.719	
1,300.00	1,282.32	1,085.97	1,077.06	5.39	4.62	36.20	48.63	1,334.40	1,212.52	1,202.12	10.40	116.548	
1,400.00	1,379.16	1,185.80	1,174.96	5.76	4.91	36.42	58.23	1,351.44	1,209.06	1,198.13	10.93	110.624	
1,500.00	1,475.99	1,285.63	1,272.85	6.14	5.20	36.65	67.83	1,368.48	1,205.62	1,194.13	11.48	105.000	
1,600.00	1,572.83	1,385.46	1,370.75	6.54	5.52	36.87	77.44	1,385.52	1,202.19	1,190.13	12.06	99.701	
1,700.00	1,669.67	1,485.29	1,468.64	6.94	5.84	37.10	87.04	1,402.56	1,198.79	1,186.13	12.65	94.745	
1,800.00	1,766.50	1,585.12	1,566.54	7.36	6.17	37.33	96.65	1,419.60	1,195.40	1,182.13	13.27	90.108	
1,900.00	1,863.34	1,684.95	1,664.43	7.59	6.52	37.56	106.25	1,436.64	1,192.03	1,178.50	13.53	88.115	
2,000.00	1,960.18	1,784.78	1,762.32	7.65	6.87	37.79	115.85	1,453.69	1,188.68	1,174.82	13.86	85.770	
2,100.00	2,057.01	1,884.61	1,860.22	7.73	7.08	38.02	125.46	1,470.73	1,185.35	1,171.43	13.92	85.134	
2,200.00	2,153.85	1,984.44	1,958.11	7.83	7.15	38.25	135.06	1,487.77	1,182.04	1,167.99	14.05	84.131	
2,300.00	2,250.69	2,084.27	2,056.01	7.95	7.21	38.48	144.66	1,504.81	1,178.75	1,164.56	14.19	83.077	
2,400.00	2,347.52	2,184.10	2,153.90	8.08	7.29	38.72	154.27	1,521.85	1,175.48	1,161.12	14.36	81.852	
2,500.00	2,444.36	2,283.93	2,251.80	8.24	7.38	38.95	163.87	1,538.89	1,172.23	1,157.66	14.57	80.477	
2,600.00	2,541.20	2,383.76	2,349.69	8.40	7.49	39.19	173.47	1,555.94	1,169.00	1,154.20	14.80	78.976	
2,700.00	2,638.03	2,483.59	2,447.58	8.59	7.61	39.43	183.08	1,572.98	1,165.79	1,150.72	15.07	77.370	
2,800.00	2,734.87	2,583.42	2,545.48	8.78	7.74	39.67	192.68	1,590.02	1,162.60	1,147.24	15.36	75.682	
2,900.00	2,831.71	2,683.25	2,643.37	8.99	7.89	39.91	202.28	1,607.06	1,159.43	1,143.75	15.68	73.933	
3,000.00	2,928.54	2,783.08	2,741.27	9.21	8.06	40.16	211.89	1,624.10	1,156.28	1,140.25	16.03	72.142	
3,100.00	3,025.38	2,882.91	2,839.16	9.45	8.23	40.40	221.49	1,641.14	1,153.15	1,136.76	16.40	70.326	
3,200.00	3,122.22	2,982.73	2,937.06	9.69	8.41	40.65	231.09	1,658.18	1,150.05	1,133.26	16.79	68.502	
3,300.00	3,219.05	3,082.56	3,034.95	9.94	8.61	40.89	240.70	1,675.23	1,146.96	1,129.76	17.20	66.682	
3,400.00	3,315.89	3,182.39	3,132.85	10.20	8.81	41.14	250.30	1,692.27	1,143.90	1,126.26	17.63	64.878	
3,500.00	3,412.73	3,282.22	3,230.74	10.48	9.03	41.39	259.91	1,709.31	1,140.85	1,122.77	18.08	63.099	
3,600.00	3,509.56	3,382.05	3,328.63	10.75	9.25	41.64	269.51	1,726.35	1,137.83	1,119.29	18.55	61.352	
3,700.00	3,606.40	3,481.88	3,426.53	11.04	9.48	41.89	279.11	1,743.39	1,134.83	1,115.81	19.03	59.644	
3,800.00	3,703.24	3,581.71	3,524.42	11.33	9.72	42.15	288.72	1,760.43	1,131.86	1,112.34	19.52	57.978	
3,900.00	3,800.07	3,681.54	3,622.32	11.63	9.96	42.40	298.32	1,777.48	1,128.90	1,108.87	20.03	56.359	
4,000.00	3,896.91	3,781.37	3,720.21	11.93	10.21	42.66	307.92	1,794.52	1,125.97	1,105.42	20.55	54.787	
4,100.00	3,993.75	3,881.20	3,818.11	12.24	10.47	42.92	317.53	1,811.56	1,123.06	1,101.98	21.08	53.265	
4,200.00	4,090.58	3,981.03	3,916.00	12.55	10.73	43.17	327.13	1,828.60	1,120.18	1,098.55	21.63	51.794	
4,300.00	4,187.42	4,080.86	4,013.89	12.87	11.00	43.43	336.73	1,845.64	1,117.31	1,095.13	22.18	50.373	
4,400.00	4,284.26	4,180.69	4,111.79	13.19	11.27	43.70	346.34	1,862.68	1,114.47	1,091.73	22.74	49.002	
4,500.00	4,381.09	4,280.52	4,209.68	13.52	11.54	43.96	355.94	1,879.72	1,111.66	1,088.34	23.31	47.680	
4,600.00	4,477.93	4,380.35	4,307.58	13.85	11.82	44.22	365.54	1,896.77	1,108.86	1,084.97	23.89	46.407	
4,700.00	4,574.77	4,480.18	4,405.47	14.18	12.11	44.49	375.15	1,913.81	1,106.10	1,081.61	24.48	45.181	
4,800.00	4,671.60	4,580.01	4,503.37	14.52	12.39	44.76	384.75	1,930.85	1,103.35	1,078.27	25.08	44.001	
4,900.00	4,768.44	4,679.84	4,601.26	14.86	12.68	45.02	394.35	1,947.89	1,100.63	1,074.95	25.68	42.865	
5,000.00	4,865.27	4,779.67	4,699.15	15.20	12.98	45.29	403.96	1,964.93	1,097.93	1,071.65	26.28	41.772	
5,100.00	4,962.11	4,879.50	4,797.05	15.54	13.27	45.56	413.56	1,981.97	1,095.26	1,068.36	26.90	40.721	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 12N-6A-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,058.95	4,979.33	4,894.94	15.89	13.57	45.84	423.17	1,999.01	1,092.61	1,065.10	27.52	39.709	
5,300.00	5,155.78	5,079.16	4,992.84	16.24	13.87	46.11	432.77	2,016.06	1,089.99	1,061.85	28.14	38.735	
5,400.00	5,252.62	5,178.99	5,090.73	16.59	14.18	46.38	442.37	2,033.10	1,087.39	1,058.62	28.77	37.798	
5,500.00	5,349.46	5,278.81	5,188.63	16.94	14.48	46.66	451.98	2,050.14	1,084.82	1,055.42	29.40	36.896	
5,600.00	5,446.29	5,378.64	5,286.52	17.30	14.79	46.94	461.58	2,067.18	1,082.27	1,052.23	30.04	36.027	
5,700.00	5,543.13	5,478.47	5,384.42	17.65	15.10	47.22	471.18	2,084.22	1,079.75	1,049.06	30.68	35.190	
5,800.00	5,639.97	5,578.30	5,482.31	18.01	15.41	47.50	480.79	2,101.26	1,077.25	1,045.92	31.33	34.384	
5,900.00	5,736.80	5,678.13	5,580.20	18.37	15.72	47.78	490.39	2,118.31	1,074.78	1,042.80	31.98	33.608	
6,000.00	5,833.64	5,777.96	5,678.10	18.73	16.04	48.06	499.99	2,135.35	1,072.34	1,039.70	32.63	32.859	
6,100.00	5,930.48	7,959.37	6,965.25	19.09	22.67	163.88	632.03	1,101.82	1,046.84	1,016.75	30.09	34.795	
6,200.00	6,027.31	7,936.52	6,965.80	19.46	22.45	161.08	631.98	1,124.67	953.74	923.28	30.46	31.311	
6,300.00	6,124.15	7,913.66	6,966.35	19.82	22.23	158.08	631.93	1,147.53	861.59	830.67	30.92	27.868	
6,400.00	6,220.99	7,909.20	6,966.90	20.19	22.18	154.86	631.88	1,170.38	770.71	739.11	31.60	24.388	
6,500.00	6,317.82	7,867.94	6,967.45	20.55	21.81	151.42	631.83	1,193.23	681.63	649.39	32.23	21.146	
6,600.00	6,414.66	7,845.08	6,968.00	20.92	21.60	147.78	631.78	1,216.08	595.14	561.91	33.22	17.914	
6,700.00	6,511.50	7,822.23	6,968.55	21.29	21.40	143.93	631.73	1,238.93	512.56	477.99	34.56	14.830	
6,800.00	6,608.33	7,799.37	6,969.10	21.66	21.20	139.91	631.67	1,261.78	436.12	399.72	36.40	11.982	
6,900.00	6,705.11	7,776.22	6,969.66	22.03	21.01	133.27	631.62	1,284.93	369.68	330.87	38.81	9.525	
7,000.00	6,799.10	7,742.91	6,970.46	22.47	20.75	120.84	631.55	1,318.22	320.47	279.07	41.40	7.741	
7,100.00	6,887.20	7,704.71	6,971.60	23.02	20.44	109.69	631.45	1,365.83	294.58	251.29	43.29	6.805	
7,159.89	6,936.23	7,660.39	6,972.44	23.42	20.13	102.44	631.37	1,400.72	290.62	247.03	43.60	6.666 CC, ES, SF	
7,200.00	6,967.23	7,634.52	6,973.07	23.68	19.96	97.36	631.31	1,426.58	292.19	248.69	43.51	6.716	
7,300.00	7,037.23	7,562.11	6,974.81	24.45	19.51	84.66	631.15	1,498.97	306.70	264.06	42.63	7.194	
7,400.00	7,095.47	7,479.83	6,976.79	25.31	19.08	73.45	630.97	1,581.23	328.61	287.10	41.51	7.916	
7,500.00	7,140.51	7,408.55	6,975.46	26.27	18.81	65.60	630.51	1,652.46	352.12	311.77	40.35	8.727	
7,600.00	7,171.26	7,340.96	6,966.94	27.31	18.60	59.36	629.36	1,719.47	376.52	337.31	39.20	9.604	
7,700.00	7,186.94	7,274.93	6,951.85	28.40	18.45	54.44	627.58	1,783.69	400.03	361.81	38.21	10.468	
7,800.00	7,188.83	7,210.52	6,930.82	29.51	18.35	51.18	625.22	1,844.50	422.54	385.15	37.39	11.302	
7,900.00	7,188.47	7,150.00	6,905.58	30.67	18.30	48.64	622.47	1,899.41	451.86	415.34	36.52	12.373	
8,000.00	7,188.11	7,100.00	6,880.90	31.88	18.28	46.36	619.83	1,942.80	489.51	453.85	35.66	13.725	
8,100.00	7,187.76	7,050.00	6,852.90	33.12	18.28	44.01	616.87	1,984.10	534.97	500.04	34.93	15.315	
8,200.00	7,187.40	7,000.00	6,821.76	34.40	18.29	41.65	613.61	2,023.07	587.55	553.21	34.34	17.111	
8,300.00	7,187.04	6,962.24	6,796.28	35.71	18.30	39.90	610.97	2,050.80	646.41	612.47	33.95	19.043	
8,400.00	7,186.68	6,926.84	6,770.94	37.05	18.31	38.30	608.35	2,075.38	710.70	677.00	33.70	21.088	
8,500.00	7,186.32	6,900.00	6,750.85	38.42	18.32	37.12	606.28	2,093.05	779.64	746.02	33.62	23.190	
8,600.00	7,185.96	6,866.99	6,725.14	39.81	18.33	35.71	603.64	2,113.59	852.44	818.87	33.57	25.396	
8,700.00	7,185.60	6,850.00	6,711.51	41.22	18.33	35.02	602.25	2,123.63	928.67	894.99	33.68	27.576	
8,800.00	7,185.24	6,818.93	6,685.91	42.65	18.34	33.78	599.64	2,141.04	1,007.52	973.81	33.71	29.884	
8,900.00	7,184.89	6,800.00	6,669.91	44.10	18.34	33.06	598.01	2,151.02	1,088.85	1,054.99	33.86	32.162	
9,000.00	7,184.53	6,779.91	6,652.61	45.56	18.34	32.31	596.25	2,161.08	1,172.20	1,138.20	33.99	34.483	
9,100.00	7,184.17	6,750.00	6,626.29	47.04	18.35	31.24	593.59	2,175.04	1,257.49	1,223.41	34.07	36.904	
9,200.00	7,183.81	6,750.00	6,626.29	48.52	18.35	31.24	593.59	2,175.04	1,343.87	1,309.54	34.34	39.138	
9,300.00	7,183.45	6,733.87	6,611.84	50.03	18.34	30.69	592.12	2,182.05	1,431.74	1,397.25	34.49	41.509	
9,400.00	7,183.09	6,721.09	6,600.27	51.54	18.34	30.27	590.96	2,187.33	1,520.74	1,486.07	34.66	43.873	
9,500.00	7,182.73	6,700.00	6,580.94	53.06	18.34	29.59	589.01	2,195.54	1,610.80	1,576.02	34.78	46.310	
9,600.00	7,182.37	6,700.00	6,580.94	54.59	18.34	26.01	589.01	2,195.54	1,701.82	1,666.82	35.01	48.613	
9,700.00	7,182.01	6,700.00	6,580.94	56.12	18.34	25.18	589.01	2,195.54	1,794.20	1,758.98	35.22	50.937	
9,800.00	7,181.65	6,679.56	6,561.96	57.67	18.33	24.65	587.10	2,202.88	1,886.93	1,851.61	35.33	53.413	
9,900.00	7,181.30	6,671.08	6,554.01	59.23	18.33	24.44	586.30	2,205.75	1,980.34	1,944.85	35.48	55.809	
10,000.00	7,180.94	6,650.00	6,534.12	60.79	18.32	23.93	584.30	2,212.41	2,074.40	2,038.82	35.58	58.304	
10,100.00	7,180.58	6,650.00	6,534.12	62.36	18.32	23.93	584.30	2,212.41	2,168.58	2,132.82	35.76	60.640	
10,200.00	7,180.22	6,650.00	6,534.12	63.94	18.32	23.93	584.30	2,212.41	2,263.26	2,227.32	35.94	62.979	



Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design		5N-66W-05 VOLT 19-5 PAD - VOLT 12N-6A-M - Wellbore #1 - Design #1										Offset Site Error:	0.00 usft
Survey Program:		0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA										Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,179.86	6,650.00	6,534.12	65.52	18.32	23.93	584.30	2,212.41	2,358.38	2,322.27	36.11	65.319	
10,400.00	7,179.50	6,650.00	6,534.12	67.10	18.32	23.93	584.30	2,212.41	2,453.88	2,417.61	36.27	67.657	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 12N-6B-M - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	3.28	3.28	90.21	-4.70	1,259.52	1,259.53					
100.00	100.00	101.00	99.00	3.28	3.28	90.21	-4.70	1,259.52	1,259.53	1,252.00	7.53	167.292		
200.00	200.00	201.00	199.00	3.31	3.31	90.21	-4.70	1,259.52	1,259.53	1,251.96	7.57	166.292		
300.00	300.00	286.23	286.23	3.35	3.34	34.71	-4.57	1,259.71	1,259.55	1,251.90	7.66	164.536		
400.00	399.94	360.17	360.15	3.42	3.39	34.73	-3.44	1,261.23	1,259.02	1,251.26	7.76	162.235		
500.00	499.72	434.13	434.00	3.51	3.44	34.77	-1.18	1,264.28	1,257.68	1,249.79	7.90	159.283		
600.00	599.20	508.11	507.76	3.62	3.52	34.83	2.21	1,268.86	1,255.55	1,247.49	8.06	155.737		
700.00	698.27	582.12	581.38	3.76	3.60	34.92	6.74	1,274.98	1,252.62	1,244.36	8.26	151.627		
800.00	796.81	656.18	654.82	3.93	3.70	35.03	12.40	1,282.63	1,248.90	1,240.41	8.50	146.996		
900.00	894.69	730.30	728.06	4.15	3.81	35.17	19.19	1,291.81	1,244.40	1,235.63	8.77	141.894		
1,000.00	991.81	804.49	801.04	4.41	3.95	35.32	27.12	1,302.53	1,239.15	1,230.06	9.09	136.374		
1,100.00	1,088.65	888.21	883.00	4.71	4.13	35.40	37.27	1,316.25	1,234.86	1,225.39	9.47	130.443		
1,200.00	1,185.48	988.12	980.71	5.04	4.37	35.49	49.66	1,332.99	1,230.99	1,221.05	9.93	123.928		
1,300.00	1,282.32	1,088.03	1,078.42	5.39	4.64	35.57	62.05	1,349.72	1,227.12	1,216.68	10.44	117.579		
1,400.00	1,379.16	1,187.94	1,176.14	5.76	4.93	35.66	74.43	1,366.46	1,223.25	1,212.28	10.97	111.490		
1,500.00	1,475.99	1,287.84	1,273.85	6.14	5.24	35.75	86.82	1,383.20	1,219.38	1,207.85	11.53	105.719		
1,600.00	1,572.83	1,387.75	1,371.56	6.54	5.56	35.84	99.21	1,399.94	1,215.52	1,203.40	12.12	100.291		
1,700.00	1,669.67	1,487.66	1,469.28	6.94	5.90	35.93	111.60	1,416.68	1,211.66	1,198.94	12.72	95.223		
1,800.00	1,766.50	1,587.57	1,566.99	7.36	6.25	36.02	123.98	1,433.42	1,207.81	1,194.46	13.35	90.491		
1,900.00	1,863.34	1,687.47	1,664.71	7.59	6.60	36.11	136.37	1,450.15	1,203.96	1,190.34	13.62	88.400		
2,000.00	1,960.18	1,787.38	1,762.42	7.65	6.96	36.20	148.76	1,466.89	1,200.11	1,186.15	13.96	85.963		
2,100.00	2,057.01	1,887.29	1,860.13	7.73	7.18	36.29	161.14	1,483.63	1,196.26	1,182.23	14.03	85.285		
2,200.00	2,153.85	1,987.20	1,957.85	7.83	7.25	36.38	173.53	1,500.37	1,192.42	1,178.27	14.15	84.277		
2,300.00	2,250.69	2,087.10	2,055.56	7.95	7.31	36.48	185.92	1,517.11	1,188.58	1,174.29	14.29	83.196		
2,400.00	2,347.52	2,187.01	2,153.27	8.08	7.40	36.57	198.30	1,533.84	1,184.74	1,170.28	14.46	81.944		
2,500.00	2,444.36	2,286.92	2,250.99	8.24	7.49	36.66	210.69	1,550.58	1,180.90	1,166.24	14.66	80.543		
2,600.00	2,541.20	2,386.83	2,348.70	8.40	7.61	36.76	223.08	1,567.32	1,177.07	1,162.18	14.90	79.015		
2,700.00	2,638.03	2,486.74	2,446.41	8.59	7.73	36.85	235.46	1,584.06	1,173.24	1,158.08	15.16	77.382		
2,800.00	2,734.87	2,586.64	2,544.13	8.78	7.88	36.95	247.85	1,600.80	1,169.42	1,153.97	15.45	75.668		
2,900.00	2,831.71	2,686.55	2,641.84	8.99	8.03	37.05	260.24	1,617.54	1,165.60	1,149.82	15.77	73.892		
3,000.00	2,928.54	2,786.46	2,739.55	9.21	8.20	37.14	272.63	1,634.27	1,161.78	1,145.66	16.12	72.076		
3,100.00	3,025.38	2,886.37	2,837.27	9.45	8.38	37.24	285.01	1,651.01	1,157.97	1,141.48	16.49	70.236		
3,200.00	3,122.22	2,986.27	2,934.98	9.69	8.57	37.34	297.40	1,667.75	1,154.16	1,137.28	16.88	68.387		
3,300.00	3,219.05	3,086.18	3,032.69	9.94	8.78	37.44	309.79	1,684.49	1,150.35	1,133.06	17.29	66.544		
3,400.00	3,315.89	3,186.09	3,130.41	10.20	8.99	37.54	322.17	1,701.23	1,146.54	1,128.83	17.72	64.717		
3,500.00	3,412.73	3,286.00	3,228.12	10.48	9.21	37.64	334.56	1,717.96	1,142.74	1,124.58	18.16	62.915		
3,600.00	3,509.56	3,385.90	3,325.84	10.75	9.44	37.74	346.95	1,734.70	1,138.95	1,120.32	18.63	61.147		
3,700.00	3,606.40	3,485.81	3,423.55	11.04	9.68	37.84	359.33	1,751.44	1,135.15	1,116.05	19.10	59.417		
3,800.00	3,703.24	3,585.72	3,521.26	11.33	9.92	37.94	371.72	1,768.18	1,131.36	1,111.76	19.60	57.731		
3,900.00	3,800.07	3,685.63	3,618.98	11.63	10.17	38.05	384.11	1,784.92	1,127.57	1,107.47	20.10	56.091		
4,000.00	3,896.91	3,785.53	3,716.69	11.93	10.43	38.15	396.49	1,801.66	1,123.79	1,103.17	20.62	54.500		
4,100.00	3,993.75	3,885.44	3,814.40	12.24	10.70	38.26	408.88	1,818.39	1,120.01	1,098.86	21.15	52.958		
4,200.00	4,090.58	3,985.35	3,912.12	12.55	10.97	38.36	421.27	1,835.13	1,116.24	1,094.55	21.69	51.468		
4,300.00	4,187.42	4,085.26	4,009.83	12.87	11.24	38.47	433.66	1,851.87	1,112.47	1,090.23	22.24	50.028		
4,400.00	4,284.26	4,185.17	4,107.54	13.19	11.52	38.57	446.04	1,868.61	1,108.70	1,085.90	22.79	48.639		
4,500.00	4,381.09	4,285.07	4,205.26	13.52	11.80	38.68	458.43	1,885.35	1,104.93	1,081.57	23.36	47.299		
4,600.00	4,477.93	4,384.98	4,302.97	13.85	12.09	38.79	470.82	1,902.08	1,101.17	1,077.24	23.93	46.008		
4,700.00	4,574.77	4,484.89	4,400.68	14.18	12.38	38.90	483.20	1,918.82	1,097.42	1,072.90	24.52	44.765		
4,800.00	4,671.60	4,584.80	4,498.40	14.52	12.68	39.01	495.59	1,935.56	1,093.67	1,068.56	25.10	43.567		
4,900.00	4,768.44	4,684.70	4,596.11	14.86	12.98	39.12	507.98	1,952.30	1,089.92	1,064.22	25.70	42.414		
5,000.00	4,865.27	4,784.61	4,693.82	15.20	13.28	39.23	520.36	1,969.04	1,086.17	1,059.88	26.30	41.304		
5,100.00	4,962.11	4,884.52	4,791.54	15.54	13.58	39.34	532.75	1,985.78	1,082.43	1,055.53	26.90	40.235		



Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-05 VOLT 19-5 PAD - VOLT 12N-6B-M - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,179.86	6,750.00	6,617.83	65.52	19.25	10.86	764.58	2,249.47	2,284.75	2,247.15	37.60	60.764	
10,400.00	7,179.50	6,750.00	6,617.83	67.10	19.25	10.86	764.58	2,249.47	2,381.61	2,343.84	37.77	63.054	
10,500.00	7,179.14	6,750.00	6,617.83	68.69	19.25	10.86	764.58	2,249.47	2,478.73	2,440.79	37.94	65.340	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 12N-6C-M - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	-1.00	3.28	3.28	90.23	-5.06	1,279.57	1,279.58					
100.00	100.00	101.00	99.00	3.28	3.28	90.23	-5.06	1,279.57	1,279.58	1,272.05	7.53	169.954		
200.00	200.00	201.00	199.00	3.31	3.31	90.23	-5.06	1,279.57	1,279.58	1,272.01	7.57	168.939		
300.00	300.00	286.89	286.89	3.35	3.34	34.72	-4.90	1,279.75	1,279.58	1,271.93	7.66	167.142		
400.00	399.94	362.17	362.14	3.42	3.39	34.73	-3.58	1,281.19	1,278.91	1,271.15	7.76	164.756		
500.00	499.72	437.46	437.33	3.51	3.45	34.76	-0.92	1,284.09	1,277.31	1,269.41	7.90	161.676		
600.00	599.20	512.77	512.40	3.62	3.52	34.80	3.07	1,288.46	1,274.77	1,266.70	8.07	157.964		
700.00	698.27	588.11	587.33	3.76	3.61	34.87	8.39	1,294.27	1,271.29	1,263.02	8.27	153.661		
800.00	796.81	663.49	662.06	3.93	3.71	34.95	15.04	1,301.55	1,266.89	1,258.37	8.51	148.801		
900.00	894.69	738.92	736.55	4.15	3.83	35.04	23.03	1,310.28	1,261.55	1,252.76	8.79	143.445		
1,000.00	991.81	814.41	810.76	4.41	3.97	35.15	32.34	1,320.46	1,255.34	1,246.22	9.12	137.646		
1,100.00	1,088.65	890.04	884.73	4.71	4.13	35.15	43.00	1,332.10	1,250.09	1,240.60	9.48	131.818		
1,200.00	1,185.48	987.57	979.78	5.04	4.38	35.11	57.74	1,348.22	1,245.98	1,236.03	9.95	125.216		
1,300.00	1,282.32	1,087.48	1,077.15	5.39	4.65	35.07	72.86	1,364.74	1,241.88	1,231.42	10.46	118.685		
1,400.00	1,379.16	1,187.39	1,174.52	5.76	4.96	35.03	87.97	1,381.26	1,237.79	1,226.78	11.01	112.426		
1,500.00	1,475.99	1,287.30	1,271.89	6.14	5.28	34.98	103.08	1,397.78	1,233.70	1,222.11	11.58	106.502		
1,600.00	1,572.83	1,387.21	1,369.26	6.54	5.61	34.94	118.19	1,414.30	1,229.60	1,217.42	12.18	100.941		
1,700.00	1,669.67	1,487.13	1,466.63	6.94	5.96	34.90	133.31	1,430.82	1,225.51	1,212.71	12.80	95.760		
1,800.00	1,766.50	1,587.04	1,564.00	7.36	6.32	34.86	148.42	1,447.34	1,221.42	1,207.99	13.43	90.932		
1,900.00	1,863.34	1,686.95	1,661.37	7.79	6.69	34.81	163.53	1,463.87	1,217.33	1,203.61	13.72	88.748		
2,000.00	1,960.18	1,786.86	1,758.74	7.65	7.07	34.77	178.65	1,480.39	1,213.24	1,199.17	14.07	86.224		
2,100.00	2,057.01	1,886.77	1,856.11	7.73	7.30	34.72	193.76	1,496.91	1,209.15	1,195.00	14.14	85.490		
2,200.00	2,153.85	1,986.69	1,953.48	7.83	7.38	34.68	208.87	1,513.43	1,205.06	1,190.79	14.27	84.469		
2,300.00	2,250.69	2,086.60	2,050.86	7.95	7.45	34.63	223.99	1,529.95	1,200.97	1,186.57	14.40	83.385		
2,400.00	2,347.52	2,186.51	2,148.23	8.08	7.53	34.59	239.10	1,546.47	1,196.88	1,182.31	14.57	82.129		
2,500.00	2,444.36	2,286.42	2,245.60	8.24	7.64	34.54	254.21	1,562.99	1,192.79	1,178.02	14.78	80.722		
2,600.00	2,541.20	2,386.33	2,342.97	8.40	7.75	34.50	269.33	1,579.51	1,188.71	1,173.70	15.01	79.188		
2,700.00	2,638.03	2,486.25	2,440.34	8.59	7.89	34.45	284.44	1,596.03	1,184.62	1,169.35	15.28	77.549		
2,800.00	2,734.87	2,586.16	2,537.71	8.78	8.04	34.40	299.55	1,612.55	1,180.54	1,164.97	15.57	75.828		
2,900.00	2,831.71	2,686.07	2,635.08	8.99	8.20	34.36	314.67	1,629.07	1,176.45	1,160.57	15.89	74.047		
3,000.00	2,928.54	2,785.98	2,732.45	9.21	8.38	34.31	329.78	1,645.59	1,172.37	1,156.14	16.23	72.224		
3,100.00	3,025.38	2,885.89	2,829.82	9.45	8.57	34.26	344.89	1,662.11	1,168.29	1,151.69	16.60	70.378		
3,200.00	3,122.22	2,985.81	2,927.19	9.69	8.77	34.22	360.01	1,678.63	1,164.21	1,147.22	16.99	68.523		
3,300.00	3,219.05	3,085.72	3,024.56	9.94	8.98	34.17	375.12	1,695.15	1,160.13	1,142.73	17.40	66.675		
3,400.00	3,315.89	3,185.63	3,121.93	10.20	9.21	34.12	390.23	1,711.67	1,156.05	1,138.22	17.83	64.843		
3,500.00	3,412.73	3,285.54	3,219.31	10.48	9.44	34.07	405.34	1,728.19	1,151.97	1,133.69	18.27	63.036		
3,600.00	3,509.56	3,385.45	3,316.68	10.75	9.68	34.02	420.46	1,744.71	1,147.89	1,129.15	18.74	61.263		
3,700.00	3,606.40	3,485.37	3,414.05	11.04	9.92	33.97	435.57	1,761.23	1,143.81	1,124.60	19.21	59.530		
3,800.00	3,703.24	3,585.28	3,511.42	11.33	10.18	33.92	450.68	1,777.75	1,139.74	1,120.03	19.71	57.839		
3,900.00	3,800.07	3,685.19	3,608.79	11.63	10.44	33.87	465.80	1,794.27	1,135.66	1,115.45	20.21	56.196		
4,000.00	3,896.91	3,785.10	3,706.16	11.93	10.71	33.82	480.91	1,810.79	1,131.59	1,110.86	20.72	54.601		
4,100.00	3,993.75	3,885.01	3,803.53	12.24	10.99	33.77	496.02	1,827.31	1,127.51	1,106.26	21.25	53.057		
4,200.00	4,090.58	3,984.92	3,900.90	12.55	11.27	33.72	511.14	1,843.83	1,123.44	1,101.65	21.79	51.564		
4,300.00	4,187.42	4,084.84	3,998.27	12.87	11.55	33.67	526.25	1,860.35	1,119.37	1,097.04	22.33	50.121		
4,400.00	4,284.26	4,184.75	4,095.64	13.19	11.84	33.61	541.36	1,876.87	1,115.30	1,092.41	22.89	48.729		
4,500.00	4,381.09	4,284.66	4,193.01	13.52	12.13	33.56	556.48	1,893.39	1,111.23	1,087.78	23.45	47.387		
4,600.00	4,477.93	4,384.57	4,290.38	13.85	12.43	33.51	571.59	1,909.91	1,107.16	1,083.14	24.02	46.094		
4,700.00	4,574.77	4,484.48	4,387.75	14.18	12.74	33.46	586.70	1,926.43	1,103.09	1,078.49	24.60	44.848		
4,800.00	4,671.60	4,584.40	4,485.13	14.52	13.04	33.40	601.82	1,942.95	1,099.02	1,073.84	25.18	43.648		
4,900.00	4,768.44	4,684.31	4,582.50	14.86	13.35	33.35	616.93	1,959.47	1,094.96	1,069.19	25.77	42.493		
5,000.00	4,865.27	4,784.22	4,679.87	15.20	13.66	33.29	632.04	1,975.99	1,090.89	1,064.53	26.36	41.381		
5,100.00	4,962.11	4,884.13	4,777.24	15.54	13.98	33.24	647.15	1,992.51	1,086.83	1,059.87	26.96	40.310		



Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-05 VOLT 19-5 PAD - VOLT 12N-6C-M - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,179.86	6,850.00	6,694.67	65.52	20.19	-8.28	945.47	2,267.66	2,246.72	2,206.30	40.42	55.589	
10,400.00	7,179.50	6,850.00	6,694.67	67.10	20.19	-8.28	945.47	2,267.66	2,344.34	2,303.80	40.54	57.822	
10,500.00	7,179.14	6,831.05	6,676.39	68.69	20.17	-7.66	942.53	2,271.72	2,441.80	2,401.27	40.54	60.238	







Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-05 VOLT 19-5 PAD - VOLT 13C-6-M - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.00	7,180.22	6,879.50	6,786.83	63.94	18.51	66.40	-40.56	2,174.77	2,406.84	2,362.57	44.27	54.367	
10,300.00	7,179.86	6,875.65	6,783.04	65.52	18.51	66.20	-40.54	2,175.43	2,498.18	2,454.03	44.15	56.581	





Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-05 VOLT 19-5 PAD - VOLT 13N-6B-M - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.00	7,180.22	6,728.67	6,638.15	63.94	18.05	60.42	-92.18	2,156.98	2,471.42	2,427.67	43.75	56.485	





# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 13N-6C-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,962.11	4,810.38	4,741.16	15.54	12.98	77.42	-286.26	1,842.92	1,320.09	1,292.88	27.21	48.520	
5,200.00	5,058.95	4,908.16	4,837.32	15.89	13.27	78.16	-292.68	1,859.36	1,331.75	1,303.92	27.84	47.842	
5,300.00	5,155.78	5,005.93	4,933.49	16.24	13.57	78.90	-299.11	1,875.80	1,343.65	1,315.18	28.47	47.194	
5,400.00	5,252.62	5,103.71	5,029.66	16.59	13.86	79.62	-305.53	1,892.24	1,355.76	1,326.65	29.11	46.574	
5,500.00	5,349.46	5,201.48	5,125.83	16.94	14.16	80.33	-311.96	1,908.68	1,368.09	1,338.34	29.75	45.981	
5,600.00	5,446.29	5,300.74	5,222.00	17.30	14.46	81.02	-318.38	1,925.12	1,380.63	1,350.22	30.40	45.409	
5,700.00	5,543.13	5,397.03	5,318.17	17.65	14.76	81.71	-324.81	1,941.56	1,393.37	1,362.32	31.05	44.874	
5,800.00	5,639.97	5,505.19	5,414.33	18.01	15.10	82.38	-331.23	1,958.00	1,406.30	1,374.57	31.73	44.315	
5,900.00	5,736.80	5,607.42	5,510.50	18.37	15.42	83.04	-337.66	1,974.44	1,419.43	1,387.03	32.40	43.803	
6,000.00	5,833.64	5,709.64	5,606.67	18.73	15.74	83.69	-344.08	1,990.88	1,432.75	1,399.67	33.08	43.314	
6,100.00	5,930.48	5,788.13	5,702.84	19.09	15.98	84.33	-350.51	2,007.32	1,446.25	1,412.56	33.69	42.933	
6,200.00	6,027.31	5,885.90	5,799.01	19.46	16.29	84.95	-356.93	2,023.75	1,459.92	1,425.57	34.35	42.498	
6,300.00	6,124.15	5,983.68	5,895.18	19.82	16.61	85.57	-363.36	2,040.19	1,473.77	1,438.75	35.02	42.082	
6,400.00	6,220.99	6,081.45	5,991.34	20.19	16.92	86.17	-369.78	2,056.63	1,487.78	1,452.09	35.69	41.684	
6,500.00	6,317.82	6,179.23	6,087.51	20.55	17.23	86.76	-376.21	2,073.07	1,501.96	1,465.59	36.37	41.302	
6,600.00	6,414.66	7,981.33	7,183.77	20.92	21.01	132.32	-427.07	1,180.87	1,488.60	1,449.69	38.92	38.249	
6,700.00	6,511.50	7,958.52	7,184.38	21.29	20.84	131.40	-427.58	1,203.67	1,453.98	1,414.30	39.68	36.646	
6,800.00	6,608.33	7,935.71	7,184.99	21.66	20.67	130.48	-428.09	1,226.47	1,425.18	1,384.78	40.40	35.273	
6,900.00	6,705.11	7,912.60	7,185.60	22.03	20.50	126.14	-428.61	1,249.56	1,402.57	1,361.49	41.08	34.143	
7,000.00	6,799.10	7,879.34	7,186.49	22.47	20.28	114.70	-429.35	1,282.80	1,386.80	1,345.10	41.69	33.261	
7,100.00	6,887.20	7,831.75	7,187.75	23.02	19.99	108.27	-430.42	1,330.36	1,377.65	1,335.39	42.25	32.605	
7,200.00	6,967.23	7,771.01	7,189.37	23.68	19.67	103.51	-431.78	1,391.07	1,374.07	1,331.29	42.78	32.119	
7,233.10	6,991.60	7,748.25	7,189.97	23.93	19.56	102.11	-432.29	1,413.81	1,373.87	1,330.90	42.97	31.971	
7,300.00	7,037.23	7,701.39	7,191.29	24.45	19.35	99.50	-433.40	1,463.43	1,374.57	1,331.25	43.33	31.726	
7,400.00	7,095.47	7,593.51	7,189.22	25.31	19.02	95.45	-435.45	1,568.40	1,376.98	1,333.09	43.89	31.375	
7,500.00	7,140.51	7,488.61	7,170.55	26.27	18.82	91.86	-436.40	1,671.50	1,378.99	1,334.39	44.60	30.922	
7,600.00	7,171.26	7,395.21	7,139.90	27.31	18.73	88.91	-436.29	1,759.64	1,380.49	1,335.07	45.42	30.397	
7,700.00	7,186.94	7,310.10	7,101.05	28.40	18.70	86.53	-435.40	1,835.28	1,381.34	1,335.05	46.29	29.841	
7,800.00	7,188.83	7,231.98	7,056.82	29.51	18.71	84.60	-433.94	1,899.60	1,381.72	1,334.55	47.17	29.294	
7,900.00	7,188.47	7,165.53	7,013.24	30.67	18.73	82.79	-432.22	1,949.70	1,384.69	1,336.67	48.01	28.841	
8,000.00	7,188.11	7,110.17	6,973.13	31.88	18.75	81.14	-430.47	1,987.79	1,391.68	1,342.89	48.79	28.526	
8,100.00	7,187.76	7,063.99	6,937.25	33.12	18.77	79.66	-428.80	2,016.79	1,403.40	1,353.92	49.47	28.367 SF	
8,200.00	7,187.40	7,025.28	6,905.62	34.40	18.79	78.37	-427.26	2,039.05	1,420.27	1,370.20	50.06	28.370	
8,300.00	7,187.04	6,992.58	6,877.89	35.71	18.80	77.24	-425.86	2,056.32	1,442.52	1,391.97	50.55	28.535	
8,400.00	7,186.68	6,964.73	6,853.61	37.05	18.80	76.26	-424.61	2,069.89	1,470.20	1,419.26	50.94	28.861	
8,500.00	7,186.32	6,950.00	6,840.53	38.42	18.80	75.73	-423.92	2,076.63	1,503.28	1,452.02	51.26	29.324	
8,600.00	7,185.96	6,920.10	6,813.53	39.81	18.81	74.65	-422.48	2,089.38	1,541.41	1,489.97	51.44	29.968	
8,700.00	7,185.60	6,900.00	6,795.05	41.22	18.81	73.92	-421.47	2,097.23	1,584.50	1,532.94	51.55	30.736	
8,800.00	7,185.24	6,886.16	6,782.19	42.65	18.80	73.41	-420.76	2,102.30	1,632.18	1,580.56	51.62	31.622	
8,900.00	7,184.89	6,872.11	6,769.03	44.10	18.80	72.89	-420.03	2,107.15	1,684.14	1,632.52	51.61	32.630	
9,000.00	7,184.53	6,850.00	6,748.10	45.56	18.80	72.07	-418.85	2,114.20	1,740.11	1,688.60	51.52	33.778	
9,100.00	7,184.17	6,850.00	6,748.10	47.04	18.80	72.07	-418.85	2,114.20	1,799.56	1,748.08	51.48	34.954	
9,200.00	7,183.81	6,850.00	6,748.10	48.52	18.80	72.07	-418.85	2,114.20	1,862.48	1,811.07	51.42	36.224	
9,300.00	7,183.45	6,829.24	6,728.24	50.03	18.79	71.29	-417.72	2,120.15	1,928.19	1,876.97	51.22	37.646	
9,400.00	7,183.09	6,820.96	6,720.28	51.54	18.78	70.98	-417.26	2,122.34	1,996.73	1,945.66	51.07	39.101	
9,500.00	7,182.73	6,800.00	6,699.98	53.06	18.78	70.20	-416.08	2,127.42	2,067.88	2,017.05	50.83	40.680	
9,600.00	7,182.37	6,800.00	6,699.98	54.59	18.78	69.50	-416.08	2,127.42	2,141.91	2,091.20	50.71	42.242	
9,700.00	7,182.01	6,800.00	6,699.98	56.12	18.78	69.33	-416.08	2,127.42	2,219.36	2,168.78	50.58	43.875	
9,800.00	7,181.65	6,800.00	6,699.98	57.67	18.78	69.33	-416.08	2,127.42	2,298.60	2,248.14	50.46	45.553	
9,900.00	7,181.30	6,800.00	6,699.98	59.23	18.78	69.33	-416.08	2,127.42	2,379.40	2,329.07	50.34	47.270	
10,000.00	7,180.94	6,800.00	6,699.98	60.79	18.78	69.33	-416.08	2,127.42	2,461.62	2,411.40	50.21	49.022	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 14C-3-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.00	-1.00	3.28	3.28	90.63	-1.09	99.95	99.95				
100.00	100.00	101.00	99.00	3.28	3.28	90.63	-1.09	99.95	99.95	92.43	7.53	13.276	
200.00	200.00	201.00	199.00	3.31	3.31	90.63	-1.09	99.95	99.95	92.38	7.57	13.197	
300.00	300.00	301.00	299.00	3.35	3.35	35.22	-1.09	99.95	99.73	92.06	7.66	13.012	
400.00	399.94	401.06	398.94	3.42	3.42	36.32	-1.09	99.95	97.18	89.38	7.80	12.466	
500.00	499.72	501.28	498.72	3.51	3.51	38.83	-1.09	99.95	91.92	83.95	7.97	11.532	
600.00	599.20	601.80	598.20	3.62	3.61	43.24	-1.09	99.95	84.27	76.09	8.19	10.292	
700.00	698.27	702.73	697.27	3.76	3.74	50.47	-1.09	99.95	74.93	66.48	8.45	8.869	
800.00	796.81	804.19	795.81	3.93	3.88	62.09	-1.09	99.95	65.34	56.58	8.76	7.459	
900.00	894.69	893.69	893.69	4.15	4.02	79.85	-1.09	99.95	58.47	49.36	9.12	6.413	
940.23	933.87	932.49	932.49	4.25	4.07	88.39	-1.09	100.13	57.64	48.35	9.28	6.208 CC, ES	
1,000.00	991.81	990.13	990.11	4.41	4.16	101.16	-1.07	101.37	59.54	50.00	9.54	6.241	
1,100.00	1,088.65	1,087.38	1,087.24	4.71	4.32	117.68	-1.00	106.07	69.32	59.35	9.97	6.954	
1,200.00	1,185.48	1,185.61	1,185.13	5.04	4.49	127.32	-0.88	114.17	83.12	72.72	10.41	7.988	
1,300.00	1,282.32	1,284.60	1,283.44	5.39	4.68	132.18	-0.71	125.72	97.98	87.11	10.88	9.009	
1,400.00	1,379.16	1,384.12	1,381.82	5.76	4.90	134.04	-0.49	140.75	112.64	101.25	11.39	9.886	
1,500.00	1,475.99	1,483.69	1,479.69	6.14	5.14	133.99	-0.22	159.06	126.71	114.74	11.97	10.590	
1,600.00	1,572.83	1,582.71	1,576.86	6.54	5.40	133.60	0.07	178.14	140.61	128.04	12.58	11.181	
1,700.00	1,669.67	1,681.74	1,674.02	6.94	5.68	133.27	0.35	197.22	154.52	141.31	13.21	11.695	
1,800.00	1,766.50	1,780.76	1,771.19	7.36	5.97	133.00	0.63	216.30	168.44	154.56	13.87	12.142	
1,900.00	1,863.34	1,879.79	1,868.36	7.59	6.16	132.77	0.92	235.38	182.35	168.46	13.89	13.127	
2,000.00	1,960.18	1,978.81	1,965.53	7.65	6.22	132.57	1.20	254.46	196.27	182.27	14.00	14.018	
2,100.00	2,057.01	2,077.84	2,062.70	7.73	6.27	132.40	1.48	273.54	210.19	196.07	14.12	14.886	
2,200.00	2,153.85	2,176.86	2,159.87	7.83	6.34	132.25	1.77	292.62	224.12	209.84	14.28	15.698	
2,300.00	2,250.69	2,275.89	2,257.04	7.95	6.43	132.11	2.05	311.70	238.04	223.57	14.47	16.451	
2,400.00	2,347.52	2,374.91	2,354.20	8.08	6.54	132.00	2.33	330.78	251.96	237.27	14.70	17.142	
2,500.00	2,444.36	2,473.93	2,451.37	8.24	6.67	131.89	2.62	349.86	265.89	250.93	14.96	17.772	
2,600.00	2,541.20	2,572.96	2,548.54	8.40	6.81	131.80	2.90	368.93	279.82	264.56	15.26	18.342	
2,700.00	2,638.03	2,671.98	2,645.71	8.59	6.96	131.71	3.18	388.01	293.75	278.17	15.58	18.855	
2,800.00	2,734.87	2,771.01	2,742.88	8.78	7.13	131.63	3.47	407.09	307.67	291.74	15.93	19.312	
2,900.00	2,831.71	2,870.03	2,840.05	8.99	7.32	131.56	3.75	426.17	321.60	305.29	16.31	19.717	
3,000.00	2,928.54	2,969.06	2,937.22	9.21	7.51	131.49	4.03	445.25	335.53	318.82	16.71	20.075	
3,100.00	3,025.38	3,068.08	3,034.38	9.45	7.72	131.43	4.31	464.33	349.46	332.32	17.14	20.389	
3,200.00	3,122.22	3,167.11	3,131.55	9.69	7.93	131.38	4.60	483.41	363.39	345.80	17.59	20.663	
3,300.00	3,219.05	3,266.13	3,228.72	9.94	8.16	131.33	4.88	502.49	377.32	359.27	18.05	20.901	
3,400.00	3,315.89	3,365.15	3,325.89	10.20	8.39	131.28	5.16	521.57	391.25	372.71	18.54	21.107	
3,500.00	3,412.73	3,464.18	3,423.06	10.48	8.64	131.23	5.45	540.65	405.18	386.14	19.04	21.284	
3,600.00	3,509.56	3,563.20	3,520.23	10.75	8.89	131.19	5.73	559.73	419.11	399.56	19.55	21.435	
3,700.00	3,606.40	3,662.23	3,617.40	11.04	9.14	131.15	6.01	578.81	433.04	412.96	20.08	21.563	
3,800.00	3,703.24	3,761.25	3,714.57	11.33	9.41	131.12	6.30	597.89	446.97	426.35	20.63	21.671	
3,900.00	3,800.07	3,860.28	3,811.73	11.63	9.68	131.08	6.58	616.97	460.91	439.73	21.18	21.762	
4,000.00	3,896.91	3,959.30	3,908.90	11.93	9.95	131.05	6.86	636.04	474.84	453.09	21.74	21.837	
4,100.00	3,993.75	4,058.33	4,006.07	12.24	10.23	131.02	7.15	655.12	488.77	466.45	22.32	21.898	
4,200.00	4,090.58	4,157.35	4,103.24	12.55	10.51	130.99	7.43	674.20	502.70	479.80	22.90	21.948	
4,300.00	4,187.42	4,256.37	4,200.41	12.87	10.80	130.96	7.71	693.28	516.63	493.14	23.50	21.987	
4,400.00	4,284.26	4,355.40	4,297.58	13.19	11.09	130.94	8.00	712.36	530.57	506.47	24.10	22.016	
4,500.00	4,381.09	4,454.42	4,394.75	13.52	11.39	130.91	8.28	731.44	544.50	519.79	24.71	22.038	
4,600.00	4,477.93	4,553.45	4,491.91	13.85	11.69	130.89	8.56	750.52	558.43	533.11	25.32	22.053	
4,700.00	4,574.77	4,652.47	4,589.08	14.18	11.99	130.87	8.85	769.60	572.36	546.42	25.94	22.061	
4,800.00	4,671.60	4,751.50	4,686.25	14.52	12.29	130.85	9.13	788.68	586.30	559.72	26.57	22.065	
4,900.00	4,768.44	4,850.52	4,783.42	14.86	12.60	130.83	9.41	807.76	600.23	573.02	27.20	22.064	
5,000.00	4,865.27	4,949.55	4,880.59	15.20	12.91	130.81	9.69	826.84	614.16	586.32	27.84	22.059	





# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 14C-3-L - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,161.54	15,515.06	7,277.73	148.76	148.87	97.64	47.38	9,564.41	880.94	584.02	296.92	2.967	
15,500.00	7,161.18	15,615.06	7,277.31	150.42	150.53	97.64	47.75	9,664.41	881.20	580.98	300.22	2.935	
15,600.00	7,160.82	15,715.06	7,276.90	152.07	152.19	97.63	48.12	9,764.41	881.46	577.94	303.52	2.904	
15,700.00	7,160.46	15,815.06	7,276.48	153.73	153.85	97.63	48.49	9,864.40	881.72	574.89	306.83	2.874	
15,800.00	7,160.10	15,915.06	7,276.06	155.38	155.51	97.62	48.86	9,964.40	881.98	571.85	310.13	2.844	
15,900.00	7,159.75	16,015.06	7,275.64	157.04	157.17	97.61	49.23	10,064.40	882.24	568.81	313.43	2.815	
16,000.00	7,159.39	16,115.06	7,275.23	158.70	158.83	97.61	49.60	10,164.40	882.49	565.76	316.73	2.786	
16,100.00	7,159.03	16,215.06	7,274.81	160.35	160.49	97.60	49.97	10,264.40	882.75	562.72	320.04	2.758	
16,200.00	7,158.67	16,315.06	7,274.39	162.01	162.15	97.60	50.34	10,364.39	883.01	559.67	323.34	2.731	
16,300.00	7,158.31	16,415.06	7,273.98	163.67	163.81	97.59	50.71	10,464.39	883.27	556.62	326.65	2.704	
16,400.00	7,157.95	16,515.06	7,273.56	165.33	165.47	97.58	51.08	10,564.39	883.53	553.58	329.95	2.678	
16,500.00	7,157.59	16,615.06	7,273.14	166.99	167.13	97.58	51.46	10,664.39	883.79	550.53	333.26	2.652	
16,600.00	7,157.23	16,715.06	7,272.72	168.64	168.80	97.57	51.83	10,764.39	884.05	547.48	336.57	2.627	
16,700.00	7,156.87	16,815.06	7,272.31	170.30	170.46	97.57	52.20	10,864.39	884.30	544.43	339.87	2.602	
16,800.00	7,156.51	16,915.06	7,271.89	171.96	172.12	97.56	52.57	10,964.38	884.56	541.38	343.18	2.578	
16,900.00	7,156.15	17,015.06	7,271.47	173.62	173.78	97.55	52.94	11,064.38	884.82	538.33	346.49	2.554	
17,000.00	7,155.79	17,115.06	7,271.05	175.28	175.44	97.55	53.31	11,164.38	885.08	535.28	349.80	2.530	
17,100.00	7,155.44	17,215.05	7,270.64	176.94	177.11	97.54	53.68	11,264.38	885.34	532.23	353.11	2.507	
17,200.00	7,155.08	17,315.05	7,270.22	178.60	178.77	97.54	54.05	11,364.38	885.60	529.18	356.42	2.485	
17,300.00	7,154.72	17,415.05	7,269.80	180.26	180.43	97.53	54.42	11,464.37	885.85	526.13	359.73	2.463	
17,400.00	7,154.36	17,515.05	7,269.39	181.92	182.10	97.52	54.79	11,564.37	886.11	523.08	363.04	2.441	
17,500.00	7,154.00	17,615.05	7,268.97	183.58	183.76	97.52	55.16	11,664.37	886.37	520.02	366.35	2.419	
17,600.00	7,153.64	17,715.05	7,268.55	185.24	185.42	97.51	55.53	11,764.37	886.63	516.97	369.66	2.399	
17,700.00	7,153.28	17,815.05	7,268.13	186.90	187.09	97.51	55.90	11,864.37	886.89	513.92	372.97	2.378	
17,800.00	7,152.92	17,915.05	7,267.72	188.56	188.75	97.50	56.27	11,964.36	887.15	510.86	376.28	2.358	
17,900.00	7,152.56	18,015.05	7,267.30	190.23	190.41	97.49	56.64	12,064.36	887.41	507.81	379.59	2.338	
18,000.00	7,152.20	18,115.05	7,266.88	191.89	192.08	97.49	57.01	12,164.36	887.66	504.76	382.91	2.318	
18,000.02	7,152.20	18,115.07	7,266.88	191.89	192.08	97.49	57.01	12,164.38	887.66	504.76	382.91	2.318	
18,100.00	7,151.84	18,187.14	7,266.58	193.55	193.27	97.48	57.28	12,236.45	888.36	502.93	385.43	2.305 SF	
18,156.36	7,151.64	18,187.14	7,266.58	194.48	193.27	97.48	57.28	12,236.45	892.06	507.45	384.61	2.319	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 14N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.00	-1.00	3.28	3.28	90.52	-1.09	119.99	120.00				
100.00	100.00	101.00	99.00	3.28	3.28	90.52	-1.09	119.99	120.00	112.47	7.53	15.938	
200.00	200.00	201.00	199.00	3.31	3.31	90.52	-1.09	119.99	120.00	112.43	7.57	15.843	CC, ES
300.00	300.00	295.83	295.82	3.35	3.35	35.15	-1.23	120.99	120.81	113.15	7.66	15.777	
400.00	399.94	391.74	391.64	3.42	3.41	36.17	-1.77	125.10	122.55	114.78	7.77	15.771	
500.00	499.72	487.49	487.10	3.51	3.49	38.21	-2.74	132.36	124.91	116.99	7.92	15.776	
600.00	599.20	582.98	582.01	3.62	3.59	41.15	-4.13	142.76	128.13	120.03	8.10	15.818	
700.00	698.27	678.15	676.20	3.76	3.73	44.86	-5.93	156.23	132.54	124.22	8.32	15.927	
800.00	796.81	775.60	772.23	3.93	3.90	49.31	-8.12	172.65	137.95	129.34	8.61	16.019	
900.00	894.69	874.63	869.77	4.15	4.11	54.56	-10.38	189.59	142.42	133.44	8.98	15.860	
1,000.00	991.81	973.34	967.00	4.41	4.34	60.59	-12.63	206.48	146.34	136.92	9.42	15.533	
1,100.00	1,088.65	1,071.92	1,064.10	4.71	4.59	66.69	-14.88	223.35	151.37	141.43	9.94	15.231	
1,200.00	1,185.48	1,170.50	1,161.20	5.04	4.86	72.34	-17.13	240.21	158.04	147.52	10.52	15.030	
1,300.00	1,282.32	1,269.08	1,258.30	5.39	5.14	77.51	-19.38	257.08	166.14	155.00	11.14	14.912	
1,400.00	1,379.16	1,367.66	1,355.40	5.76	5.43	82.17	-21.63	273.95	175.48	163.68	11.81	14.864	
1,500.00	1,475.99	1,466.24	1,452.50	6.14	5.74	86.34	-23.88	290.81	185.88	173.38	12.50	14.870	
1,600.00	1,572.83	1,564.81	1,549.60	6.54	6.05	90.06	-26.13	307.68	197.16	183.94	13.22	14.918	
1,700.00	1,669.67	1,663.39	1,646.70	6.94	6.37	93.37	-28.38	324.55	209.18	195.23	13.95	14.997	
1,800.00	1,766.50	1,761.97	1,743.80	7.36	6.70	96.32	-30.64	341.42	221.82	207.13	14.69	15.099	
1,900.00	1,863.34	1,860.55	1,840.90	7.59	6.94	98.95	-32.89	358.28	234.99	220.20	14.79	15.890	
2,000.00	1,960.18	1,959.13	1,938.00	7.65	7.03	101.30	-35.14	375.15	248.59	233.63	14.96	16.621	
2,100.00	2,057.01	2,057.71	2,035.09	7.73	7.08	103.40	-37.39	392.02	262.56	247.47	15.09	17.395	
2,200.00	2,153.85	2,156.29	2,132.19	7.83	7.15	105.29	-39.64	408.88	276.85	261.59	15.26	18.140	
2,300.00	2,250.69	2,254.87	2,229.29	7.95	7.23	106.99	-41.89	425.75	291.41	275.95	15.46	18.852	
2,400.00	2,347.52	2,353.45	2,326.39	8.08	7.32	108.53	-44.14	442.62	306.19	290.51	15.68	19.524	
2,500.00	2,444.36	2,452.03	2,423.49	8.24	7.43	109.93	-46.39	459.48	321.17	305.24	15.94	20.154	
2,600.00	2,541.20	2,550.60	2,520.59	8.40	7.55	111.21	-48.64	476.35	336.33	320.11	16.22	20.740	
2,700.00	2,638.03	2,649.18	2,617.69	8.59	7.69	112.37	-50.89	493.22	351.63	335.11	16.52	21.282	
2,800.00	2,734.87	2,747.76	2,714.79	8.78	7.83	113.44	-53.14	510.08	367.07	350.21	16.85	21.780	
2,900.00	2,831.71	2,846.34	2,811.89	8.99	7.99	114.42	-55.39	526.95	382.62	365.41	17.21	22.236	
3,000.00	2,928.54	2,944.92	2,908.99	9.21	8.16	115.33	-57.64	543.82	398.27	380.68	17.58	22.650	
3,100.00	3,025.38	3,043.50	3,006.09	9.45	8.34	116.16	-59.89	560.69	414.01	396.03	17.98	23.026	
3,200.00	3,122.22	3,142.08	3,103.19	9.69	8.53	116.94	-62.14	577.55	429.83	411.43	18.40	23.365	
3,300.00	3,219.05	3,240.66	3,200.29	9.94	8.73	117.66	-64.39	594.42	445.72	426.89	18.83	23.670	
3,400.00	3,315.89	3,339.24	3,297.38	10.20	8.94	118.33	-66.64	611.29	461.68	442.40	19.28	23.944	
3,500.00	3,412.73	3,437.81	3,394.48	10.48	9.15	118.96	-68.89	628.15	477.69	457.95	19.75	24.188	
3,600.00	3,509.56	3,536.39	3,491.58	10.75	9.37	119.54	-71.14	645.02	493.76	473.53	20.23	24.406	
3,700.00	3,606.40	3,634.97	3,588.68	11.04	9.60	120.09	-73.39	661.89	509.87	489.15	20.73	24.600	
3,800.00	3,703.24	3,733.55	3,685.78	11.33	9.84	120.60	-75.64	678.75	526.03	504.80	21.23	24.773	
3,900.00	3,800.07	3,832.13	3,782.88	11.63	10.08	121.09	-77.89	695.62	542.23	520.47	21.75	24.925	
4,000.00	3,896.91	3,930.71	3,879.98	11.93	10.33	121.55	-80.15	712.49	558.46	536.17	22.29	25.060	
4,100.00	3,993.75	4,029.29	3,977.08	12.24	10.58	121.98	-82.40	729.35	574.72	551.90	22.83	25.178	
4,200.00	4,090.58	4,127.87	4,074.18	12.55	10.83	122.38	-84.65	746.22	591.02	567.64	23.38	25.282	
4,300.00	4,187.42	4,226.45	4,171.28	12.87	11.10	122.77	-86.90	763.09	607.34	583.40	23.94	25.373	
4,400.00	4,284.26	4,325.03	4,268.38	13.19	11.36	123.13	-89.15	779.96	623.68	599.18	24.50	25.453	
4,500.00	4,381.09	4,423.60	4,365.48	13.52	11.63	123.48	-91.40	796.82	640.05	614.97	25.08	25.522	
4,600.00	4,477.93	4,522.18	4,462.57	13.85	11.90	123.81	-93.65	813.69	656.44	630.78	25.66	25.581	
4,700.00	4,574.77	4,620.76	4,559.67	14.18	12.18	124.12	-95.90	830.56	672.86	646.61	26.25	25.632	
4,800.00	4,671.60	4,719.34	4,656.77	14.52	12.46	124.42	-98.15	847.42	689.29	662.44	26.85	25.676	
4,900.00	4,768.44	4,817.92	4,753.87	14.86	12.74	124.70	-100.40	864.29	705.73	678.29	27.45	25.713	
5,000.00	4,865.27	4,916.50	4,850.97	15.20	13.02	124.97	-102.65	881.16	722.20	694.15	28.05	25.744	
5,100.00	4,962.11	5,015.08	4,948.07	15.54	13.31	125.23	-104.90	898.02	738.68	710.01	28.66	25.770	





# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 14N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,179.86	10,237.68	7,116.17	65.52	64.19	86.50	-136.09	4,466.77	1,025.93	896.29	129.64	7.914	
10,400.00	7,179.50	10,337.68	7,115.72	67.10	65.80	86.49	-135.48	4,566.77	1,025.97	893.14	132.83	7.724	
10,500.00	7,179.14	10,437.68	7,115.28	68.69	67.40	86.49	-134.87	4,666.76	1,026.00	889.99	136.02	7.543	
10,600.00	7,178.78	10,537.68	7,114.83	70.28	69.01	86.48	-134.27	4,766.76	1,026.04	886.82	139.21	7.370	
10,700.00	7,178.42	10,637.68	7,114.38	71.87	70.62	86.48	-133.66	4,866.76	1,026.07	883.66	142.42	7.205	
10,800.00	7,178.06	10,737.68	7,113.94	73.47	72.23	86.47	-133.05	4,966.75	1,026.11	880.48	145.63	7.046	
10,900.00	7,177.70	10,837.68	7,113.49	75.08	73.85	86.47	-132.44	5,066.75	1,026.15	877.30	148.84	6.894	
11,000.00	7,177.34	10,937.68	7,113.04	76.68	75.47	86.46	-131.83	5,166.75	1,026.18	874.12	152.06	6.748	
11,100.00	7,176.99	11,037.68	7,112.60	78.29	77.09	86.46	-131.23	5,266.75	1,026.22	870.93	155.29	6.608	
11,200.00	7,176.63	11,137.68	7,112.15	79.90	78.71	86.45	-130.62	5,366.74	1,026.26	867.73	158.52	6.474	
11,300.00	7,176.27	11,237.68	7,111.71	81.51	80.34	86.45	-130.01	5,466.74	1,026.29	864.54	161.76	6.345	
11,400.00	7,175.91	11,337.68	7,111.26	83.13	81.97	86.44	-129.40	5,566.74	1,026.33	861.33	164.99	6.220	
11,500.00	7,175.55	11,437.68	7,110.81	84.74	83.60	86.44	-128.79	5,666.73	1,026.36	858.13	168.24	6.101	
11,600.00	7,175.19	11,537.68	7,110.37	86.36	85.23	86.43	-128.19	5,766.73	1,026.40	854.92	171.48	5.985	
11,700.00	7,174.83	11,637.68	7,109.92	87.98	86.86	86.43	-127.58	5,866.73	1,026.44	851.70	174.73	5.874	
11,800.00	7,174.47	11,737.68	7,109.47	89.61	88.49	86.43	-126.97	5,966.73	1,026.47	848.49	177.99	5.767	
11,900.00	7,174.11	11,837.68	7,109.03	91.23	90.13	86.42	-126.36	6,066.72	1,026.51	845.27	181.24	5.664	
12,000.00	7,173.75	11,937.68	7,108.58	92.86	91.77	86.42	-125.75	6,166.72	1,026.55	842.05	184.50	5.564	
12,100.00	7,173.39	12,037.68	7,108.14	94.49	93.40	86.41	-125.15	6,266.72	1,026.58	838.82	187.76	5.467	
12,200.00	7,173.03	12,137.68	7,107.69	96.12	95.04	86.41	-124.54	6,366.71	1,026.62	835.59	191.03	5.374	
12,300.00	7,172.68	12,237.68	7,107.24	97.75	96.68	86.40	-123.93	6,466.71	1,026.66	832.36	194.29	5.284	
12,400.00	7,172.32	12,337.68	7,106.80	99.38	98.32	86.40	-123.32	6,566.71	1,026.69	829.13	197.56	5.197	
12,500.00	7,171.96	12,437.68	7,106.35	101.01	99.97	86.39	-122.71	6,666.71	1,026.73	825.90	200.83	5.112	
12,600.00	7,171.60	12,537.68	7,105.90	102.65	101.61	86.39	-122.11	6,766.70	1,026.76	822.66	204.10	5.031	
12,700.00	7,171.24	12,637.68	7,105.46	104.28	103.25	86.38	-121.50	6,866.70	1,026.80	819.42	207.38	4.951	
12,800.00	7,170.88	12,737.68	7,105.01	105.92	104.90	86.38	-120.89	6,966.70	1,026.84	816.18	210.66	4.874	
12,900.00	7,170.52	12,837.68	7,104.57	107.56	106.54	86.37	-120.28	7,066.69	1,026.87	812.94	213.94	4.800	
13,000.00	7,170.16	12,937.68	7,104.12	109.20	108.19	86.37	-119.68	7,166.69	1,026.91	809.69	217.22	4.728	
13,100.00	7,169.80	13,037.68	7,103.67	110.84	109.84	86.36	-119.07	7,266.69	1,026.95	806.45	220.50	4.657	
13,200.00	7,169.44	13,137.68	7,103.23	112.48	111.49	86.36	-118.46	7,366.69	1,026.98	803.20	223.78	4.589	
13,300.00	7,169.08	13,237.68	7,102.78	114.12	113.13	86.35	-117.85	7,466.68	1,027.02	799.95	227.07	4.523	
13,400.00	7,168.72	13,337.68	7,102.33	115.77	114.78	86.35	-117.24	7,566.68	1,027.06	796.70	230.35	4.459	
13,500.00	7,168.37	13,437.68	7,101.89	117.41	116.43	86.34	-116.64	7,666.68	1,027.09	793.45	233.64	4.396	
13,600.00	7,168.01	13,537.68	7,101.44	119.05	118.09	86.34	-116.03	7,766.67	1,027.13	790.20	236.93	4.335	
13,700.00	7,167.65	13,637.68	7,100.99	120.70	119.74	86.34	-115.42	7,866.67	1,027.16	786.94	240.22	4.276	
13,800.00	7,167.29	13,737.68	7,100.55	122.35	121.39	86.33	-114.81	7,966.67	1,027.20	783.69	243.51	4.218	
13,900.00	7,166.93	13,837.68	7,100.10	123.99	123.04	86.33	-114.20	8,066.67	1,027.24	780.43	246.81	4.162	
14,000.00	7,166.57	13,937.68	7,099.66	125.64	124.69	86.32	-113.60	8,166.66	1,027.27	777.17	250.10	4.107	
14,100.00	7,166.21	14,037.68	7,099.21	127.29	126.35	86.32	-112.99	8,266.66	1,027.31	773.91	253.40	4.054	
14,200.00	7,165.85	14,137.68	7,098.76	128.94	128.00	86.31	-112.38	8,366.66	1,027.35	770.65	256.69	4.002	
14,300.00	7,165.49	14,237.68	7,098.32	130.59	129.66	86.31	-111.77	8,466.65	1,027.38	767.39	259.99	3.952	
14,400.00	7,165.13	14,337.68	7,097.87	132.24	131.31	86.30	-111.16	8,566.65	1,027.42	764.13	263.29	3.902	
14,500.00	7,164.77	14,437.68	7,097.42	133.89	132.97	86.30	-110.56	8,666.65	1,027.46	760.87	266.59	3.854	
14,600.00	7,164.41	14,537.68	7,096.98	135.54	134.62	86.29	-109.95	8,766.65	1,027.49	757.61	269.89	3.807	
14,700.00	7,164.06	14,637.68	7,096.53	137.19	136.28	86.29	-109.34	8,866.64	1,027.53	754.34	273.19	3.761	
14,800.00	7,163.70	14,737.68	7,096.09	138.84	137.94	86.28	-108.73	8,966.64	1,027.57	751.08	276.49	3.716	
14,900.00	7,163.34	14,837.68	7,095.64	140.49	139.59	86.28	-108.13	9,066.64	1,027.60	747.81	279.79	3.673	
15,000.00	7,162.98	14,937.68	7,095.19	142.15	141.25	86.27	-107.52	9,166.63	1,027.64	744.54	283.10	3.630	
15,100.00	7,162.62	15,037.68	7,094.75	143.80	142.91	86.27	-106.91	9,266.63	1,027.68	741.28	286.40	3.588	
15,200.00	7,162.26	15,137.68	7,094.30	145.45	144.57	86.26	-106.30	9,366.63	1,027.71	738.01	289.70	3.547	
15,300.00	7,161.90	15,237.68	7,093.85	147.11	146.22	86.26	-105.69	9,466.62	1,027.75	734.74	293.01	3.508	
15,400.00	7,161.54	15,337.68	7,093.41	148.76	147.88	86.25	-105.09	9,566.62	1,027.79	731.47	296.31	3.469	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												5N-66W-05 VOLT 19-5 PAD - VOLT 14N-3B-L - Wellbore #1 - Design #1		Offset Site Error:		0.00 usft											
Survey Program:												0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:		3.28 usft	
Reference		Offset		Semi Major Axis			Distance																				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning														
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)																
15,500.00	7,161.18	15,437.68	7,092.96	150.42	149.54	86.25	-104.48	9,666.62	1,027.82	728.20	299.62	3.430															
15,600.00	7,160.82	15,537.68	7,092.52	152.07	151.20	86.25	-103.87	9,766.62	1,027.86	724.93	302.93	3.393															
15,700.00	7,160.46	15,637.68	7,092.07	153.73	152.86	86.24	-103.26	9,866.61	1,027.90	721.66	306.24	3.357															
15,800.00	7,160.10	15,737.68	7,091.62	155.38	154.52	86.24	-102.65	9,966.61	1,027.93	718.39	309.54	3.321															
15,900.00	7,159.75	15,837.68	7,091.18	157.04	156.18	86.23	-102.05	10,066.61	1,027.97	715.11	312.85	3.286															
16,000.00	7,159.39	15,937.68	7,090.73	158.70	157.84	86.23	-101.44	10,166.60	1,028.00	711.84	316.16	3.252															
16,100.00	7,159.03	16,037.68	7,090.28	160.35	159.50	86.22	-100.83	10,266.60	1,028.04	708.57	319.47	3.218															
16,200.00	7,158.67	16,137.68	7,089.84	162.01	161.16	86.22	-100.22	10,366.60	1,028.08	705.29	322.78	3.185															
16,300.00	7,158.31	16,237.68	7,089.39	163.67	162.82	86.21	-99.61	10,466.60	1,028.11	702.02	326.09	3.153															
16,400.00	7,157.95	16,337.68	7,088.94	165.33	164.48	86.21	-99.01	10,566.59	1,028.15	698.75	329.41	3.121															
16,500.00	7,157.59	16,437.68	7,088.50	166.99	166.14	86.20	-98.40	10,666.59	1,028.19	695.47	332.72	3.090															
16,600.00	7,157.23	16,537.68	7,088.05	168.64	167.81	86.20	-97.79	10,766.59	1,028.22	692.20	336.03	3.060															
16,700.00	7,156.87	16,637.68	7,087.61	170.30	169.47	86.19	-97.18	10,866.58	1,028.26	688.92	339.34	3.030															
16,800.00	7,156.51	16,737.68	7,087.16	171.96	171.13	86.19	-96.57	10,966.58	1,028.30	685.64	342.66	3.001															
16,900.00	7,156.15	16,837.68	7,086.71	173.62	172.79	86.18	-95.97	11,066.58	1,028.33	682.37	345.97	2.972															
17,000.00	7,155.79	16,937.68	7,086.27	175.28	174.46	86.18	-95.36	11,166.58	1,028.37	679.09	349.28	2.944															
17,100.00	7,155.44	17,037.68	7,085.82	176.94	176.12	86.17	-94.75	11,266.57	1,028.41	675.81	352.60	2.917															
17,200.00	7,155.08	17,137.68	7,085.37	178.60	177.78	86.17	-94.14	11,366.57	1,028.44	672.53	355.91	2.890															
17,300.00	7,154.72	17,237.68	7,084.93	180.26	179.44	86.16	-93.54	11,466.57	1,028.48	669.25	359.23	2.863															
17,400.00	7,154.36	17,337.68	7,084.48	181.92	181.11	86.16	-92.93	11,566.56	1,028.52	665.98	362.54	2.837															
17,500.00	7,154.00	17,437.68	7,084.04	183.58	182.77	86.16	-92.32	11,666.56	1,028.55	662.70	365.86	2.811															
17,600.00	7,153.64	17,537.68	7,083.59	185.24	184.43	86.15	-91.71	11,766.56	1,028.59	659.42	369.17	2.786															
17,700.00	7,153.28	17,637.68	7,083.14	186.90	186.10	86.15	-91.10	11,866.56	1,028.63	656.14	372.49	2.761															
17,800.00	7,152.92	17,737.68	7,082.70	188.56	187.76	86.14	-90.50	11,966.55	1,028.67	652.86	375.81	2.737															
17,900.00	7,152.56	17,837.68	7,082.25	190.23	189.42	86.14	-89.89	12,066.55	1,028.70	649.58	379.12	2.713															
18,000.00	7,152.20	17,937.68	7,081.80	191.89	191.09	86.13	-89.28	12,166.55	1,028.74	646.30	382.44	2.690															
18,003.61	7,152.19	17,941.29	7,081.79	191.95	191.15	86.13	-89.26	12,170.15	1,028.74	646.18	382.56	2.689															
18,100.00	7,151.84	17,993.68	7,081.55	193.55	192.02	86.13	-88.94	12,222.55	1,029.72	645.24	384.48	2.678 SF															
18,156.36	7,151.64	17,993.68	7,081.55	194.48	192.02	86.13	-88.94	12,222.55	1,033.68	649.96	383.72	2.694															

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 14N-3C-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.00	-2.00	3.28	3.28	90.45	-1.09	140.04	140.04				
100.00	100.00	102.00	98.00	3.28	3.28	90.45	-1.09	140.04	140.04	132.52	7.53	18.600	
200.00	200.00	198.00	198.00	3.31	3.30	90.45	-1.09	140.04	140.04	132.47	7.57	18.492 CC, ES	
300.00	300.00	293.61	293.59	3.35	3.34	35.19	-1.57	141.49	141.34	133.69	7.65	18.465	
400.00	399.94	388.99	388.85	3.42	3.40	36.41	-3.02	145.97	143.52	135.76	7.77	18.480	
500.00	499.72	484.11	483.64	3.51	3.48	38.69	-5.44	153.43	146.25	138.34	7.91	18.484	
600.00	599.20	578.85	577.75	3.62	3.59	41.93	-8.82	163.83	149.87	141.78	8.09	18.517	
700.00	698.27	673.09	670.95	3.76	3.73	45.97	-13.14	177.11	154.84	146.53	8.31	18.628	
800.00	796.81	771.05	767.48	3.93	3.90	50.83	-18.27	192.92	160.59	151.98	8.61	18.654	
900.00	894.69	869.62	864.61	4.15	4.11	56.33	-23.46	208.87	165.58	156.61	8.97	18.456	
1,000.00	991.81	967.79	961.35	4.41	4.34	62.43	-28.62	224.77	170.47	161.07	9.41	18.124	
1,100.00	1,088.65	1,065.80	1,057.93	4.71	4.59	68.54	-33.78	240.63	176.84	166.93	9.91	17.841	
1,200.00	1,185.48	1,163.81	1,154.51	5.04	4.86	74.18	-38.93	256.50	185.13	174.65	10.48	17.672	
1,300.00	1,282.32	1,261.82	1,251.09	5.39	5.14	79.31	-44.09	272.36	195.09	184.01	11.09	17.596	
1,400.00	1,379.16	1,359.82	1,347.66	5.76	5.43	83.91	-49.24	288.23	206.49	194.76	11.73	17.597	
1,500.00	1,475.99	1,457.83	1,444.24	6.14	5.73	88.03	-54.40	304.09	219.10	206.69	12.41	17.653	
1,600.00	1,572.83	1,555.84	1,540.82	6.54	6.05	91.69	-59.55	319.96	232.72	219.61	13.11	17.752	
1,700.00	1,669.67	1,653.85	1,637.40	6.94	6.37	94.94	-64.71	335.82	247.19	233.36	13.82	17.882	
1,800.00	1,766.50	1,751.86	1,733.98	7.36	6.69	97.83	-69.86	351.69	262.36	247.81	14.55	18.033	
1,900.00	1,863.34	1,849.87	1,830.56	7.59	6.95	100.41	-75.02	367.56	278.12	263.47	14.65	18.985	
2,000.00	1,960.18	1,947.88	1,927.14	7.65	7.06	102.71	-80.17	383.42	294.38	279.55	14.83	19.855	
2,100.00	2,057.01	2,045.89	2,023.72	7.73	7.10	104.76	-85.33	399.29	311.05	296.09	14.96	20.794	
2,200.00	2,153.85	2,143.90	2,120.30	7.83	7.16	106.61	-90.48	415.15	328.08	312.96	15.12	21.696	
2,300.00	2,250.69	2,241.91	2,216.88	7.95	7.24	108.28	-95.64	431.02	345.42	330.10	15.31	22.556	
2,400.00	2,347.52	2,339.92	2,313.45	8.08	7.33	109.78	-100.79	446.88	363.01	347.47	15.53	23.367	
2,500.00	2,444.36	2,437.93	2,410.03	8.24	7.44	111.15	-105.95	462.75	380.82	365.04	15.78	24.128	
2,600.00	2,541.20	2,535.93	2,506.61	8.40	7.56	112.40	-111.10	478.62	398.82	382.77	16.06	24.834	
2,700.00	2,638.03	2,633.94	2,603.19	8.59	7.69	113.54	-116.26	494.48	417.00	400.64	16.36	25.487	
2,800.00	2,734.87	2,731.95	2,699.77	8.78	7.83	114.58	-121.41	510.35	435.32	418.63	16.69	26.087	
2,900.00	2,831.71	2,829.96	2,796.35	8.99	7.99	115.54	-126.57	526.21	453.77	436.73	17.04	26.635	
3,000.00	2,928.54	2,927.97	2,892.93	9.21	8.16	116.42	-131.72	542.08	472.33	454.92	17.41	27.133	
3,100.00	3,025.38	3,025.98	2,989.51	9.45	8.33	117.24	-136.88	557.94	491.00	473.20	17.80	27.584	
3,200.00	3,122.22	3,123.99	3,086.09	9.69	8.52	118.00	-142.03	573.81	509.75	491.54	18.21	27.991	
3,300.00	3,219.05	3,222.00	3,182.67	9.94	8.71	118.70	-147.19	589.68	528.59	509.95	18.64	28.357	
3,400.00	3,315.89	3,320.01	3,279.24	10.20	8.92	119.36	-152.34	605.54	547.49	528.41	19.09	28.685	
3,500.00	3,412.73	3,418.02	3,375.82	10.48	9.13	119.97	-157.49	621.41	566.47	546.92	19.55	28.977	
3,600.00	3,509.56	3,516.03	3,472.40	10.75	9.35	120.55	-162.65	637.27	585.50	565.47	20.03	29.238	
3,700.00	3,606.40	3,614.04	3,568.98	11.04	9.58	121.08	-167.80	653.14	604.58	584.06	20.52	29.470	
3,800.00	3,703.24	3,712.04	3,665.56	11.33	9.81	121.59	-172.96	669.00	623.71	602.69	21.02	29.675	
3,900.00	3,800.07	3,810.05	3,762.14	11.63	10.05	122.06	-178.11	684.87	642.89	621.35	21.53	29.856	
4,000.00	3,896.91	3,908.06	3,858.72	11.93	10.29	122.51	-183.27	700.73	662.10	640.04	22.06	30.016	
4,100.00	3,993.75	4,006.07	3,955.30	12.24	10.54	122.93	-188.42	716.60	681.35	658.76	22.59	30.156	
4,200.00	4,090.58	4,104.08	4,051.88	12.55	10.79	123.33	-193.58	732.47	700.64	677.50	23.14	30.279	
4,300.00	4,187.42	4,202.09	4,148.46	12.87	11.05	123.70	-198.73	748.33	719.96	696.26	23.69	30.386	
4,400.00	4,284.26	4,300.10	4,245.03	13.19	11.31	124.06	-203.89	764.20	739.30	715.05	24.26	30.479	
4,500.00	4,381.09	4,401.89	4,341.61	13.52	11.59	124.40	-209.04	780.06	758.67	733.84	24.84	30.548	
4,600.00	4,477.93	4,503.88	4,438.19	13.85	11.87	124.72	-214.20	795.93	778.07	752.64	25.42	30.604	
4,700.00	4,574.77	4,605.87	4,534.77	14.18	12.16	125.03	-219.35	811.79	797.49	771.47	26.02	30.651	
4,800.00	4,671.60	4,707.86	4,631.35	14.52	12.44	125.32	-224.51	827.66	816.93	790.31	26.62	30.689	
4,900.00	4,768.44	4,809.85	4,727.93	14.86	12.74	125.60	-229.66	843.53	836.38	809.16	27.23	30.719	
5,000.00	4,865.27	4,888.15	4,824.51	15.20	12.96	125.87	-234.82	859.39	855.86	828.09	27.77	30.816	
5,100.00	4,962.11	4,986.16	4,921.09	15.54	13.25	126.12	-239.97	875.26	875.36	846.98	28.38	30.845	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 14N-3C-L - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,058.95	5,084.17	5,017.67	15.89	13.53	126.36	-245.13	891.12	894.87	865.88	28.99	30.868		
5,300.00	5,155.78	5,182.18	5,114.25	16.24	13.82	126.60	-250.28	906.99	914.39	884.79	29.61	30.886		
5,400.00	5,252.62	5,280.19	5,210.82	16.59	14.11	126.82	-255.44	922.85	933.93	903.70	30.23	30.899		
5,500.00	5,349.46	5,378.20	5,307.40	16.94	14.41	127.03	-260.59	938.72	953.48	922.63	30.85	30.908		
5,600.00	5,446.29	5,476.21	5,403.98	17.30	14.70	127.24	-265.75	954.58	973.04	941.57	31.48	30.914		
5,700.00	5,543.13	5,574.22	5,500.56	17.65	15.00	127.43	-270.90	970.45	992.62	960.51	32.11	30.916		
5,800.00	5,639.97	5,672.23	5,597.14	18.01	15.30	127.62	-276.06	986.32	1,012.21	979.47	32.74	30.916		
5,900.00	5,736.80	5,770.24	5,693.72	18.37	15.60	127.81	-281.21	1,002.18	1,031.80	998.43	33.38	30.913		
6,000.00	5,833.64	5,868.25	5,790.30	18.73	15.90	127.98	-286.37	1,018.05	1,051.41	1,017.39	34.02	30.908		
6,100.00	5,930.48	5,966.26	5,886.88	19.09	16.20	128.15	-291.52	1,033.91	1,071.03	1,036.36	34.66	30.900		
6,200.00	6,027.31	6,064.26	5,983.46	19.46	16.51	128.31	-296.68	1,049.78	1,090.65	1,055.34	35.31	30.891		
6,300.00	6,124.15	6,162.27	6,080.04	19.82	16.81	128.47	-301.83	1,065.64	1,110.28	1,074.33	35.95	30.881		
6,400.00	6,220.99	6,260.28	6,176.61	20.19	17.12	128.62	-306.99	1,081.51	1,129.92	1,093.32	36.60	30.869		
6,500.00	6,317.82	6,358.29	6,273.19	20.55	17.43	128.77	-312.14	1,097.38	1,149.57	1,112.31	37.26	30.855		
6,600.00	6,414.66	6,456.30	6,369.77	20.92	17.74	128.91	-317.30	1,113.24	1,169.22	1,131.31	37.91	30.841		
6,700.00	6,511.50	6,554.31	6,466.35	21.29	18.05	129.05	-322.45	1,129.11	1,188.88	1,150.32	38.57	30.826		
6,800.00	6,608.33	6,652.32	6,562.93	21.66	18.36	129.18	-327.61	1,144.97	1,208.55	1,169.33	39.23	30.809		
6,900.00	6,705.11	6,750.32	6,659.50	22.03	18.67	125.21	-332.76	1,160.84	1,228.24	1,188.35	39.89	30.792		
7,000.00	6,799.10	6,874.13	6,779.02	22.47	19.13	112.17	-339.13	1,191.72	1,247.24	1,206.42	40.82	30.558		
7,100.00	6,887.20	7,001.13	6,893.07	23.02	19.76	105.19	-345.19	1,246.80	1,264.14	1,222.12	42.03	30.080		
7,200.00	6,967.23	7,128.87	6,994.49	23.68	20.56	100.64	-350.56	1,323.92	1,278.49	1,234.97	43.52	29.374		
7,300.00	7,037.23	7,256.02	7,078.19	24.45	21.51	97.33	-354.96	1,419.25	1,289.94	1,244.64	45.30	28.478		
7,400.00	7,095.47	7,381.21	7,140.53	25.31	22.60	94.78	-358.21	1,527.53	1,298.25	1,250.93	47.32	27.434		
7,500.00	7,140.51	7,503.28	7,179.84	26.27	23.78	92.78	-360.23	1,642.88	1,303.33	1,253.79	49.55	26.305		
7,600.00	7,171.26	7,621.34	7,196.29	27.31	25.02	91.26	-361.02	1,759.62	1,305.18	1,253.29	51.89	25.151		
7,700.00	7,186.94	7,724.99	7,196.67	28.40	26.16	90.42	-360.96	1,863.26	1,304.15	1,249.98	54.17	24.076		
7,800.00	7,188.83	7,824.88	7,196.19	29.51	27.32	90.42	-360.85	1,963.15	1,301.14	1,244.65	56.49	23.034		
7,900.00	7,188.47	7,924.83	7,195.72	30.67	28.53	90.42	-360.75	2,063.09	1,297.80	1,238.89	58.91	22.032		
8,000.00	7,188.11	8,024.77	7,195.24	31.88	29.78	90.41	-360.65	2,163.04	1,294.46	1,233.05	61.41	21.078		
8,100.00	7,187.76	8,124.72	7,194.77	33.12	31.08	90.41	-360.54	2,262.98	1,291.13	1,227.13	64.00	20.175		
8,200.00	7,187.40	8,224.66	7,194.29	34.40	32.41	90.40	-360.44	2,362.92	1,287.79	1,221.14	66.65	19.322		
8,300.00	7,187.04	8,324.60	7,193.82	35.71	33.78	90.40	-360.34	2,462.87	1,284.45	1,215.09	69.36	18.518		
8,400.00	7,186.68	8,424.55	7,193.34	37.05	35.17	90.39	-360.24	2,562.81	1,281.11	1,208.99	72.13	17.761		
8,500.00	7,186.32	8,524.49	7,192.87	38.42	36.58	90.39	-360.13	2,662.75	1,277.78	1,202.83	74.94	17.050		
8,600.00	7,185.96	8,624.44	7,192.39	39.81	38.02	90.39	-360.03	2,762.69	1,274.44	1,196.64	77.80	16.381		
8,700.00	7,185.60	8,724.38	7,191.92	41.22	39.47	90.38	-359.93	2,862.64	1,271.10	1,190.41	80.70	15.752		
8,800.00	7,185.24	8,824.33	7,191.44	42.65	40.94	90.38	-359.82	2,962.58	1,267.77	1,184.14	83.62	15.160		
8,900.00	7,184.89	8,924.27	7,190.97	44.10	42.43	90.37	-359.72	3,062.52	1,264.43	1,177.85	86.58	14.604		
9,000.00	7,184.53	9,024.21	7,190.49	45.56	43.93	90.37	-359.62	3,162.47	1,261.09	1,171.52	89.57	14.079		
9,100.00	7,184.17	9,124.16	7,190.02	47.04	45.44	90.36	-359.51	3,262.41	1,257.76	1,165.17	92.58	13.585		
9,200.00	7,183.81	9,224.10	7,189.54	48.52	46.96	90.36	-359.41	3,362.35	1,254.42	1,158.80	95.62	13.119		
9,300.00	7,183.45	9,324.05	7,189.07	50.03	48.50	90.36	-359.31	3,462.30	1,251.08	1,152.41	98.67	12.680		
9,400.00	7,183.09	9,423.99	7,188.59	51.54	50.04	90.35	-359.20	3,562.24	1,247.75	1,146.00	101.74	12.264		
9,500.00	7,182.73	9,523.94	7,188.11	53.06	51.59	90.35	-359.10	3,662.18	1,244.41	1,139.58	104.83	11.870		
9,600.00	7,182.37	9,623.91	7,187.64	54.59	53.15	90.34	-359.00	3,762.16	1,242.52	1,134.59	107.93	11.512		
9,622.41	7,182.29	9,646.32	7,187.53	54.93	53.50	90.33	-358.98	3,784.57	1,242.51	1,133.88	108.63	11.438		
9,700.00	7,182.01	9,723.91	7,187.16	56.12	54.71	90.33	-358.89	3,862.16	1,242.99	1,131.95	111.04	11.194		
9,800.00	7,181.65	9,823.91	7,186.69	57.67	56.28	90.32	-358.79	3,962.15	1,243.52	1,129.35	114.17	10.891		
9,900.00	7,181.30	9,923.91	7,186.21	59.23	57.86	90.32	-358.69	4,062.15	1,244.06	1,126.74	117.32	10.604		
10,000.00	7,180.94	10,023.91	7,185.74	60.79	59.44	90.31	-358.59	4,162.15	1,244.59	1,124.12	120.47	10.331		
10,100.00	7,180.58	10,123.91	7,185.26	62.36	61.03	90.31	-358.48	4,262.15	1,245.13	1,121.49	123.64	10.071		
10,200.00	7,180.22	10,223.90	7,184.79	63.94	62.62	90.30	-358.38	4,362.14	1,245.66	1,118.85	126.81	9.823		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 14N-3C-L - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,179.86	10,323.90	7,184.31	65.52	64.22	90.30	-358.28	4,462.14	1,246.20	1,116.21	129.99	9.587		
10,400.00	7,179.50	10,423.90	7,183.84	67.10	65.82	90.29	-358.17	4,562.14	1,246.73	1,113.55	133.18	9.361		
10,500.00	7,179.14	10,523.90	7,183.36	68.69	67.42	90.28	-358.07	4,662.13	1,247.27	1,110.89	136.38	9.146		
10,600.00	7,178.78	10,623.90	7,182.88	70.28	69.03	90.28	-357.97	4,762.13	1,247.81	1,108.22	139.58	8.939		
10,700.00	7,178.42	10,723.90	7,182.41	71.87	70.63	90.27	-357.86	4,862.13	1,248.34	1,105.55	142.80	8.742		
10,800.00	7,178.06	10,823.89	7,181.93	73.47	72.25	90.27	-357.76	4,962.13	1,248.88	1,102.86	146.01	8.553		
10,900.00	7,177.70	10,923.89	7,181.46	75.08	73.86	90.26	-357.66	5,062.12	1,249.41	1,100.18	149.23	8.372		
11,000.00	7,177.34	11,023.89	7,180.98	76.68	75.48	90.26	-357.55	5,162.12	1,249.95	1,097.48	152.46	8.198		
11,100.00	7,176.99	11,123.89	7,180.51	78.29	77.10	90.25	-357.45	5,262.12	1,250.48	1,094.79	155.70	8.032		
11,200.00	7,176.63	11,223.89	7,180.03	79.90	78.72	90.25	-357.35	5,362.12	1,251.02	1,092.08	158.93	7.871		
11,300.00	7,176.27	11,323.89	7,179.56	81.51	80.35	90.24	-357.24	5,462.11	1,251.55	1,089.38	162.17	7.717		
11,400.00	7,175.91	11,423.89	7,179.08	83.13	81.97	90.24	-357.14	5,562.11	1,252.09	1,086.67	165.42	7.569		
11,500.00	7,175.55	11,523.88	7,178.61	84.74	83.60	90.23	-357.04	5,662.11	1,252.62	1,083.95	168.67	7.426		
11,600.00	7,175.19	11,623.88	7,178.13	86.36	85.23	90.22	-356.93	5,762.11	1,253.16	1,081.23	171.92	7.289		
11,700.00	7,174.83	11,723.88	7,177.65	87.98	86.86	90.22	-356.83	5,862.10	1,253.69	1,078.51	175.18	7.157		
11,800.00	7,174.47	11,823.88	7,177.18	89.61	88.50	90.21	-356.73	5,962.10	1,254.23	1,075.79	178.44	7.029		
11,900.00	7,174.11	11,923.88	7,176.70	91.23	90.13	90.21	-356.63	6,062.10	1,254.76	1,073.06	181.70	6.906		
12,000.00	7,173.75	12,023.88	7,176.23	92.86	91.77	90.20	-356.52	6,162.09	1,255.30	1,070.33	184.97	6.787		
12,100.00	7,173.39	12,123.88	7,175.75	94.49	93.40	90.20	-356.42	6,262.09	1,255.83	1,067.59	188.24	6.672		
12,200.00	7,173.03	12,223.87	7,175.28	96.12	95.04	90.19	-356.32	6,362.09	1,256.37	1,064.86	191.51	6.560		
12,300.00	7,172.68	12,323.87	7,174.80	97.75	96.68	90.19	-356.21	6,462.09	1,256.90	1,062.12	194.78	6.453		
12,400.00	7,172.32	12,423.87	7,174.33	99.38	98.32	90.18	-356.11	6,562.08	1,257.44	1,059.38	198.06	6.349		
12,500.00	7,171.96	12,523.87	7,173.85	101.01	99.96	90.18	-356.01	6,662.08	1,257.97	1,056.64	201.34	6.248		
12,600.00	7,171.60	12,623.87	7,173.37	102.65	101.61	90.17	-355.90	6,762.08	1,258.51	1,053.89	204.62	6.151		
12,700.00	7,171.24	12,723.87	7,172.90	104.28	103.25	90.17	-355.80	6,862.08	1,259.04	1,051.14	207.90	6.056		
12,800.00	7,170.88	12,823.86	7,172.42	105.92	104.89	90.16	-355.70	6,962.07	1,259.58	1,048.39	211.19	5.964		
12,900.00	7,170.52	12,923.86	7,171.95	107.56	106.54	90.15	-355.59	7,062.07	1,260.12	1,045.64	214.47	5.875		
13,000.00	7,170.16	13,023.86	7,171.47	109.20	108.19	90.15	-355.49	7,162.07	1,260.65	1,042.89	217.76	5.789		
13,100.00	7,169.80	13,123.86	7,171.00	110.84	109.83	90.14	-355.39	7,262.07	1,261.19	1,040.14	221.05	5.705		
13,200.00	7,169.44	13,223.86	7,170.52	112.48	111.48	90.14	-355.28	7,362.06	1,261.72	1,037.38	224.34	5.624		
13,300.00	7,169.08	13,323.86	7,170.05	114.12	113.13	90.13	-355.18	7,462.06	1,262.26	1,034.62	227.64	5.545		
13,400.00	7,168.72	13,423.86	7,169.57	115.77	114.78	90.13	-355.08	7,562.06	1,262.79	1,031.86	230.93	5.468		
13,500.00	7,168.37	13,523.85	7,169.10	117.41	116.43	90.12	-354.97	7,662.05	1,263.33	1,029.10	234.23	5.394		
13,600.00	7,168.01	13,623.85	7,168.62	119.05	118.08	90.12	-354.87	7,762.05	1,263.86	1,026.34	237.52	5.321		
13,700.00	7,167.65	13,723.85	7,168.14	120.70	119.73	90.11	-354.77	7,862.05	1,264.40	1,023.58	240.82	5.250		
13,800.00	7,167.29	13,823.85	7,167.67	122.35	121.38	90.11	-354.66	7,962.05	1,264.93	1,020.81	244.12	5.182		
13,900.00	7,166.93	13,923.85	7,167.19	123.99	123.04	90.10	-354.56	8,062.04	1,265.47	1,018.05	247.42	5.115		
14,000.00	7,166.57	14,023.85	7,166.72	125.64	124.69	90.10	-354.46	8,162.04	1,266.01	1,015.28	250.73	5.049		
14,100.00	7,166.21	14,123.85	7,166.24	127.29	126.34	90.09	-354.36	8,262.04	1,266.54	1,012.51	254.03	4.986		
14,200.00	7,165.85	14,223.84	7,165.77	128.94	128.00	90.09	-354.25	8,362.04	1,267.08	1,009.74	257.33	4.924		
14,300.00	7,165.49	14,323.84	7,165.29	130.59	129.65	90.08	-354.15	8,462.03	1,267.61	1,006.97	260.64	4.863		
14,400.00	7,165.13	14,423.84	7,164.82	132.24	131.31	90.07	-354.05	8,562.03	1,268.15	1,004.20	263.94	4.805		
14,500.00	7,164.77	14,523.84	7,164.34	133.89	132.96	90.07	-353.94	8,662.03	1,268.68	1,001.43	267.25	4.747		
14,600.00	7,164.41	14,623.84	7,163.86	135.54	134.62	90.06	-353.84	8,762.02	1,269.22	998.66	270.56	4.691		
14,700.00	7,164.06	14,723.84	7,163.39	137.19	136.27	90.06	-353.74	8,862.02	1,269.75	995.88	273.87	4.636		
14,800.00	7,163.70	14,823.83	7,162.91	138.84	137.93	90.05	-353.63	8,962.02	1,270.29	993.11	277.18	4.583		
14,900.00	7,163.34	14,923.83	7,162.44	140.49	139.59	90.05	-353.53	9,062.02	1,270.82	990.34	280.49	4.531		
15,000.00	7,162.98	15,023.83	7,161.96	142.15	141.24	90.04	-353.43	9,162.01	1,271.36	987.56	283.80	4.480		
15,100.00	7,162.62	15,123.83	7,161.49	143.80	142.90	90.04	-353.32	9,262.01	1,271.90	984.78	287.11	4.430		
15,200.00	7,162.26	15,223.83	7,161.01	145.45	144.56	90.03	-353.22	9,362.01	1,272.43	982.01	290.43	4.381		
15,300.00	7,161.90	15,323.83	7,160.54	147.11	146.22	90.03	-353.12	9,462.01	1,272.97	979.23	293.74	4.334		
15,400.00	7,161.54	15,423.83	7,160.06	148.76	147.88	90.02	-353.01	9,562.00	1,273.50	976.45	297.05	4.287		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 14N-3C-L - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,161.18	15,523.82	7,159.59	150.42	149.54	90.02	-352.91	9,662.00	1,274.04	973.67	300.37	4.242	
15,600.00	7,160.82	15,623.82	7,159.11	152.07	151.20	90.01	-352.81	9,762.00	1,274.57	970.89	303.69	4.197	
15,700.00	7,160.46	15,723.82	7,158.63	153.73	152.86	90.01	-352.70	9,862.00	1,275.11	968.11	307.00	4.153	
15,800.00	7,160.10	15,823.82	7,158.16	155.38	154.52	90.00	-352.60	9,961.99	1,275.65	965.33	310.32	4.111	
15,900.00	7,159.75	15,923.82	7,157.68	157.04	156.18	90.00	-352.50	10,061.99	1,276.18	962.55	313.64	4.069	
16,000.00	7,159.39	16,023.82	7,157.21	158.70	157.84	89.99	-352.40	10,161.99	1,276.72	959.76	316.95	4.028	
16,100.00	7,159.03	16,123.82	7,156.73	160.35	159.50	89.99	-352.29	10,261.98	1,277.25	956.98	320.27	3.988	
16,200.00	7,158.67	16,223.81	7,156.26	162.01	161.16	89.98	-352.19	10,361.98	1,277.79	954.20	323.59	3.949	
16,300.00	7,158.31	16,323.81	7,155.78	163.67	162.82	89.98	-352.09	10,461.98	1,278.32	951.41	326.91	3.910	
16,400.00	7,157.95	16,423.81	7,155.31	165.33	164.48	89.97	-351.98	10,561.98	1,278.86	948.63	330.23	3.873	
16,500.00	7,157.59	16,523.81	7,154.83	166.99	166.14	89.96	-351.88	10,661.97	1,279.40	945.84	333.55	3.836	
16,600.00	7,157.23	16,623.81	7,154.36	168.64	167.80	89.96	-351.78	10,761.97	1,279.93	943.06	336.87	3.799	
16,700.00	7,156.87	16,723.81	7,153.88	170.30	169.47	89.95	-351.67	10,861.97	1,280.47	940.27	340.19	3.764	
16,800.00	7,156.51	16,823.80	7,153.40	171.96	171.13	89.95	-351.57	10,961.97	1,281.00	937.49	343.52	3.729	
16,900.00	7,156.15	16,923.80	7,152.93	173.62	172.79	89.94	-351.47	11,061.96	1,281.54	934.70	346.84	3.695	
17,000.00	7,155.79	17,023.80	7,152.45	175.28	174.45	89.94	-351.36	11,161.96	1,282.07	931.91	350.16	3.661	
17,100.00	7,155.44	17,123.80	7,151.98	176.94	176.12	89.93	-351.26	11,261.96	1,282.61	929.13	353.48	3.628	
17,200.00	7,155.08	17,223.80	7,151.50	178.60	177.78	89.93	-351.16	11,361.95	1,283.15	926.34	356.81	3.596	
17,300.00	7,154.72	17,323.80	7,151.03	180.26	179.44	89.92	-351.05	11,461.95	1,283.68	923.55	360.13	3.564	
17,400.00	7,154.36	17,423.80	7,150.55	181.92	181.11	89.92	-350.95	11,561.95	1,284.22	920.76	363.46	3.533	
17,500.00	7,154.00	17,523.79	7,150.08	183.58	182.77	89.91	-350.85	11,661.95	1,284.75	917.97	366.78	3.503	
17,600.00	7,153.64	17,623.79	7,149.60	185.24	184.43	89.91	-350.74	11,761.94	1,285.29	915.18	370.11	3.473	
17,700.00	7,153.28	17,723.79	7,149.12	186.90	186.10	89.90	-350.64	11,861.94	1,285.83	912.39	373.43	3.443	
17,800.00	7,152.92	17,823.79	7,148.65	188.56	187.76	89.90	-350.54	11,961.94	1,286.36	909.60	376.76	3.414	
17,900.00	7,152.56	17,923.79	7,148.17	190.23	189.43	89.89	-350.43	12,061.94	1,286.90	906.81	380.08	3.386	
18,000.00	7,152.20	18,023.79	7,147.70	191.89	191.09	89.89	-350.33	12,161.93	1,287.43	904.02	383.41	3.358	
18,100.00	7,151.84	18,060.31	7,147.52	193.55	191.70	89.89	-350.29	12,198.45	1,289.53	904.49	385.04	3.349 SF	
18,156.36	7,151.64	18,060.31	7,147.52	194.48	191.70	89.89	-350.29	12,198.45	1,293.83	909.18	384.65	3.364	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3A-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.00	-1.00	3.28	3.28	90.52	-0.73	79.90	79.91				
100.00	100.00	101.00	99.00	3.28	3.28	90.52	-0.73	79.90	79.91	72.38	7.53	10.613	
200.00	200.00	201.00	199.00	3.31	3.31	90.52	-0.73	79.90	79.91	72.33	7.57	10.550	
300.00	300.00	301.00	299.00	3.35	3.35	35.14	-0.73	79.90	79.68	72.01	7.66	10.396	
400.00	399.94	401.06	398.94	3.42	3.42	36.51	-0.73	79.90	77.13	69.34	7.80	9.894	
500.00	499.72	501.28	498.72	3.51	3.51	39.72	-0.73	79.90	71.91	63.94	7.97	9.022	
600.00	599.20	601.80	598.20	3.62	3.61	45.56	-0.73	79.90	64.45	56.26	8.19	7.871	
700.00	698.27	702.73	697.27	3.76	3.74	55.65	-0.73	79.90	55.76	47.31	8.45	6.599	
800.00	796.81	804.19	795.81	3.93	3.88	72.53	-0.73	79.90	48.16	39.39	8.76	5.495	
873.49	868.81	867.81	867.81	4.09	3.97	90.00	-0.73	79.90	45.86	36.83	9.02	5.082 CC, ES	
900.00	894.69	906.31	893.69	4.15	4.04	96.98	-0.73	79.90	46.22	37.07	9.15	5.053	
1,000.00	991.81	1,009.19	990.81	4.41	4.21	121.97	-0.73	79.90	54.56	44.99	9.56	5.705	
1,100.00	1,088.65	1,087.65	1,087.65	4.71	4.34	139.02	-0.73	79.90	71.23	61.31	9.92	7.178	
1,200.00	1,185.48	1,185.90	1,185.88	5.04	4.52	148.62	-0.59	81.18	91.09	80.77	10.32	8.830	
1,300.00	1,282.32	1,285.59	1,285.47	5.39	4.70	153.34	-0.10	85.88	110.54	99.81	10.73	10.302	
1,400.00	1,379.16	1,386.41	1,385.93	5.76	4.89	155.39	0.77	94.13	128.36	117.19	11.18	11.485	
1,500.00	1,475.99	1,488.11	1,486.92	6.14	5.10	155.83	2.02	106.01	144.15	132.49	11.66	12.361	
1,600.00	1,572.83	1,590.44	1,588.05	6.54	5.33	155.13	3.65	121.55	157.79	145.60	12.19	12.947	
1,700.00	1,669.67	1,693.15	1,688.92	6.94	5.59	153.53	5.67	140.75	169.35	156.59	12.76	13.269	
1,800.00	1,766.50	1,806.26	1,787.13	7.36	5.90	151.41	7.94	162.37	179.44	166.02	13.42	13.372	
1,900.00	1,863.34	1,906.97	1,884.02	7.59	6.05	149.48	10.21	183.94	189.61	176.20	13.41	14.143	
2,000.00	1,960.18	2,007.68	1,980.91	7.65	6.09	147.75	12.47	205.52	199.97	186.46	13.52	14.796	
2,100.00	2,057.01	2,108.40	2,077.80	7.73	6.15	146.19	14.74	227.09	210.50	196.83	13.67	15.404	
2,200.00	2,153.85	2,209.11	2,174.69	7.83	6.24	144.78	17.01	248.66	221.17	207.31	13.86	15.962	
2,300.00	2,250.69	2,309.82	2,271.58	7.95	6.34	143.49	19.28	270.24	231.96	217.87	14.09	16.467	
2,400.00	2,347.52	2,389.47	2,368.47	8.08	6.44	142.33	21.54	291.81	242.85	228.52	14.33	16.952	
2,500.00	2,444.36	2,488.76	2,465.36	8.24	6.58	141.26	23.81	313.39	253.83	239.21	14.62	17.360	
2,600.00	2,541.20	2,588.05	2,562.25	8.40	6.74	140.28	26.08	334.96	264.90	249.94	14.95	17.717	
2,700.00	2,638.03	2,687.33	2,659.14	8.59	6.92	139.38	28.35	356.54	276.03	260.72	15.31	18.026	
2,800.00	2,734.87	2,786.62	2,756.03	8.78	7.11	138.55	30.62	378.11	287.23	271.53	15.70	18.292	
2,900.00	2,831.71	2,885.91	2,852.92	8.99	7.31	137.78	32.88	399.68	298.48	282.36	16.12	18.517	
3,000.00	2,928.54	2,985.20	2,949.81	9.21	7.53	137.07	35.15	421.26	309.78	293.22	16.56	18.705	
3,100.00	3,025.38	3,084.49	3,046.70	9.45	7.76	136.41	37.42	442.83	321.13	304.10	17.03	18.861	
3,200.00	3,122.22	3,183.78	3,143.59	9.69	8.00	135.79	39.69	464.41	332.51	315.00	17.51	18.988	
3,300.00	3,219.05	3,283.06	3,240.48	9.94	8.25	135.22	41.95	485.98	343.93	325.91	18.02	19.089	
3,400.00	3,315.89	3,382.35	3,337.37	10.20	8.51	134.68	44.22	507.55	355.38	336.84	18.54	19.168	
3,500.00	3,412.73	3,481.64	3,434.26	10.48	8.78	134.17	46.49	529.13	366.86	347.78	19.08	19.228	
3,600.00	3,509.56	3,580.93	3,531.15	10.75	9.05	133.70	48.76	550.70	378.37	358.74	19.63	19.272	
3,700.00	3,606.40	3,680.22	3,628.04	11.04	9.33	133.25	51.02	572.28	389.90	369.70	20.20	19.301	
3,800.00	3,703.24	3,779.51	3,724.93	11.33	9.62	132.83	53.29	593.85	401.46	380.67	20.78	19.317	
3,900.00	3,800.07	3,878.79	3,821.82	11.63	9.92	132.43	55.56	615.42	413.03	391.66	21.37	19.324	
4,000.00	3,896.91	3,978.08	3,918.71	11.93	10.21	132.06	57.83	637.00	424.62	402.65	21.98	19.322	
4,100.00	3,993.75	4,077.37	4,015.59	12.24	10.52	131.70	60.09	658.57	436.23	413.64	22.59	19.312	
4,200.00	4,090.58	4,176.66	4,112.48	12.55	10.83	131.36	62.36	680.15	447.86	424.65	23.21	19.296	
4,300.00	4,187.42	4,275.95	4,209.37	12.87	11.14	131.04	64.63	701.72	459.50	435.66	23.84	19.275	
4,400.00	4,284.26	4,375.24	4,306.26	13.19	11.45	130.74	66.90	723.29	471.15	446.67	24.48	19.249	
4,500.00	4,381.09	4,474.52	4,403.15	13.52	11.77	130.45	69.16	744.87	482.82	457.70	25.12	19.220	
4,600.00	4,477.93	4,573.81	4,500.04	13.85	12.10	130.17	71.43	766.44	494.49	468.72	25.77	19.188	
4,700.00	4,574.77	4,673.10	4,596.93	14.18	12.42	129.91	73.70	788.02	506.18	479.75	26.43	19.154	
4,800.00	4,671.60	4,772.39	4,693.82	14.52	12.75	129.66	75.97	809.59	517.88	490.79	27.09	19.117	
4,900.00	4,768.44	4,871.68	4,790.71	14.86	13.08	129.42	78.23	831.16	529.59	501.83	27.76	19.080	
5,000.00	4,865.27	4,970.97	4,887.60	15.20	13.41	129.19	80.50	852.74	541.30	512.88	28.43	19.041	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3A-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,962.11	5,070.25	4,984.49	15.54	13.75	128.97	82.77	874.31	553.03	523.92	29.11	19.001		
5,200.00	5,058.95	5,169.54	5,081.38	15.89	14.09	128.76	85.04	895.89	564.76	534.98	29.79	18.961		
5,300.00	5,155.78	5,268.83	5,178.27	16.24	14.42	128.56	87.31	917.46	576.50	546.03	30.47	18.920		
5,400.00	5,252.62	5,368.12	5,275.16	16.59	14.76	128.36	89.57	939.03	588.25	557.09	31.16	18.879		
5,500.00	5,349.46	5,467.41	5,372.05	16.94	15.11	128.17	91.84	960.61	600.00	568.15	31.85	18.838		
5,600.00	5,446.29	5,566.70	5,468.94	17.30	15.45	128.00	94.11	982.18	611.76	579.22	32.54	18.798		
5,700.00	5,543.13	5,665.98	5,565.83	17.65	15.79	127.82	96.38	1,003.76	623.52	590.28	33.24	18.757		
5,800.00	5,639.97	5,765.27	5,662.72	18.01	16.14	127.66	98.64	1,025.33	635.29	601.35	33.94	18.717		
5,900.00	5,736.80	5,864.56	5,759.61	18.37	16.49	127.50	100.91	1,046.90	647.07	612.42	34.65	18.677		
6,000.00	5,833.64	5,963.85	5,858.50	18.73	16.84	127.34	103.18	1,068.48	658.85	623.50	35.35	18.637		
6,100.00	5,930.48	6,063.14	5,953.39	19.09	17.19	127.19	105.45	1,090.05	670.63	634.58	36.06	18.598		
6,200.00	6,027.31	6,162.43	6,050.28	19.46	17.54	127.05	107.71	1,111.63	682.42	645.65	36.77	18.560		
6,300.00	6,124.15	6,261.71	6,147.17	19.82	17.89	126.91	109.98	1,133.20	694.22	656.74	37.48	18.522		
6,400.00	6,220.99	6,361.00	6,244.05	20.19	18.24	126.77	112.25	1,154.78	706.01	667.82	38.19	18.485		
6,500.00	6,317.82	6,460.29	6,340.94	20.55	18.59	126.64	114.52	1,176.35	717.81	678.90	38.91	18.448		
6,600.00	6,414.66	6,559.58	6,437.83	20.92	18.95	126.52	116.78	1,197.92	729.62	689.99	39.63	18.412		
6,700.00	6,511.50	6,660.59	6,536.06	21.29	19.32	126.28	119.07	1,221.26	741.38	701.00	40.37	18.362		
6,800.00	6,608.33	6,761.51	6,630.20	21.66	19.80	125.04	121.17	1,257.28	752.87	711.60	41.27	18.242		
6,900.00	6,705.11	6,855.42	6,711.69	22.03	20.37	118.90	122.89	1,303.76	764.92	722.66	42.26	18.100		
7,000.00	6,799.10	6,943.77	6,811.33	22.47	21.00	103.96	124.25	1,357.99	777.76	734.41	43.35	17.943		
7,100.00	6,887.20	7,028.77	6,840.64	23.02	21.70	95.36	125.32	1,418.78	790.65	746.10	44.55	17.749		
7,200.00	6,967.23	7,111.05	6,889.86	23.68	22.46	89.51	126.10	1,484.64	803.00	757.16	45.84	17.518		
7,300.00	7,037.23	7,191.12	6,929.22	24.45	23.26	85.21	126.60	1,554.30	814.25	767.03	47.22	17.244		
7,400.00	7,095.47	7,269.39	6,958.95	25.31	24.11	81.95	126.85	1,626.66	823.92	775.25	48.67	16.927		
7,500.00	7,140.51	7,346.22	6,979.30	26.27	24.98	79.52	126.85	1,700.69	831.58	781.39	50.19	16.568		
7,600.00	7,171.26	7,421.91	6,990.48	27.31	25.87	77.80	126.62	1,775.50	836.88	785.12	51.76	16.168		
7,700.00	7,186.94	7,501.72	6,992.90	28.40	26.82	76.70	126.14	1,855.24	839.52	786.05	53.46	15.703		
7,800.00	7,188.83	7,601.63	6,992.40	29.51	28.05	76.51	125.45	1,955.15	837.94	782.24	55.70	15.045		
7,900.00	7,188.47	7,701.60	6,991.91	30.67	29.32	76.46	124.76	2,055.11	835.50	777.45	58.05	14.393		
8,000.00	7,188.11	7,801.57	6,991.41	31.88	30.64	76.41	124.06	2,155.08	833.06	772.58	60.48	13.773		
8,100.00	7,187.76	7,901.54	6,990.92	33.12	31.98	76.36	123.37	2,255.04	830.62	767.63	63.00	13.185		
8,200.00	7,187.40	8,001.50	6,990.42	34.40	33.36	76.31	122.68	2,355.00	828.19	762.61	65.57	12.630		
8,300.00	7,187.04	8,101.47	6,989.92	35.71	34.76	76.26	121.98	2,454.97	825.75	757.54	68.21	12.106		
8,400.00	7,186.68	8,201.44	6,989.43	37.05	36.19	76.21	121.29	2,554.93	823.32	752.42	70.89	11.613		
8,500.00	7,186.32	8,301.41	6,988.93	38.42	37.63	76.16	120.60	2,654.90	820.88	747.26	73.63	11.149		
8,600.00	7,185.96	8,401.37	6,988.44	39.81	39.10	76.11	119.91	2,754.86	818.45	742.05	76.40	10.713		
8,700.00	7,185.60	8,501.34	6,987.94	41.22	40.58	76.06	119.21	2,854.82	816.02	736.81	79.21	10.302		
8,800.00	7,185.24	8,601.31	6,987.45	42.65	42.07	76.00	118.52	2,954.79	813.58	731.53	82.05	9.916		
8,900.00	7,184.89	8,701.28	6,986.95	44.10	43.58	75.95	117.83	3,054.75	811.15	726.23	84.92	9.552		
9,000.00	7,184.53	8,801.24	6,986.46	45.56	45.10	75.90	117.13	3,154.72	808.72	720.91	87.81	9.209		
9,100.00	7,184.17	8,901.21	6,985.96	47.04	46.63	75.84	116.44	3,254.68	806.29	715.56	90.73	8.886		
9,200.00	7,183.81	9,001.18	6,985.47	48.52	48.16	75.79	115.75	3,354.64	803.86	710.19	93.67	8.582		
9,300.00	7,183.45	9,101.15	6,984.97	50.03	49.71	75.74	115.06	3,454.61	801.43	704.80	96.63	8.294		
9,400.00	7,183.09	9,201.12	6,984.48	51.54	51.27	75.68	114.36	3,554.57	799.00	699.40	99.61	8.022		
9,500.00	7,182.73	9,301.08	6,983.98	53.06	52.83	75.63	113.67	3,654.54	796.58	693.98	102.60	7.764		
9,582.53	7,182.44	9,383.60	6,983.57	54.32	54.13	75.60	113.10	3,737.05	795.62	690.54	105.08	7.572		
9,600.00	7,182.37	9,401.07	6,983.49	54.59	54.40	75.60	112.98	3,754.52	795.56	689.95	105.61	7.533		
9,700.00	7,182.01	9,501.06	6,982.99	56.12	55.98	75.61	112.28	3,854.51	796.81	688.17	108.64	7.334		
9,800.00	7,181.65	9,601.05	6,982.49	57.67	57.56	75.62	111.59	3,954.50	798.14	686.43	111.70	7.145		
9,900.00	7,181.30	9,701.05	6,982.00	59.23	59.14	75.63	110.90	4,054.48	799.46	684.69	114.78	6.965		
10,000.00	7,180.94	9,801.04	6,981.50	60.79	60.73	75.65	110.20	4,154.47	800.79	682.93	117.86	6.795		
10,100.00	7,180.58	9,901.03	6,981.01	62.36	62.33	75.66	109.51	4,254.46	802.11	681.16	120.95	6.632		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3A-L - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	7,180.22	10,001.02	6,980.51	63.94	63.93	75.68	108.82	4,354.45	803.43	679.38	124.05	6.477		
10,300.00	7,179.86	10,101.01	6,980.02	65.52	65.53	75.69	108.13	4,454.43	804.76	677.60	127.16	6.329		
10,400.00	7,179.50	10,201.00	6,979.52	67.10	67.14	75.70	107.43	4,554.42	806.08	675.80	130.28	6.187		
10,500.00	7,179.14	10,300.99	6,979.03	68.69	68.75	75.72	106.74	4,654.41	807.41	674.00	133.41	6.052		
10,600.00	7,178.78	10,400.98	6,978.53	70.28	70.36	75.73	106.05	4,754.40	808.73	672.19	136.54	5.923		
10,700.00	7,178.42	10,500.97	6,978.04	71.87	71.98	75.75	105.35	4,854.38	810.06	670.37	139.68	5.799		
10,800.00	7,178.06	10,600.97	6,977.54	73.47	73.59	75.76	104.66	4,954.37	811.38	668.55	142.83	5.681		
10,900.00	7,177.70	10,700.96	6,977.04	75.08	75.21	75.77	103.97	5,054.36	812.71	666.72	145.98	5.567		
11,000.00	7,177.34	10,800.95	6,976.55	76.68	76.84	75.79	103.27	5,154.35	814.03	664.89	149.14	5.458		
11,100.00	7,176.99	10,900.94	6,976.05	78.29	78.46	75.80	102.58	5,254.33	815.35	663.05	152.30	5.353		
11,200.00	7,176.63	11,000.93	6,975.56	79.90	80.09	75.82	101.89	5,354.32	816.68	661.21	155.47	5.253		
11,300.00	7,176.27	11,100.92	6,975.06	81.51	81.72	75.83	101.20	5,454.31	818.00	659.36	158.64	5.156		
11,400.00	7,175.91	11,200.91	6,974.57	83.13	83.35	75.84	100.50	5,554.30	819.33	657.51	161.82	5.063		
11,500.00	7,175.55	11,300.90	6,974.07	84.74	84.98	75.86	99.81	5,654.28	820.65	655.65	165.00	4.974		
11,600.00	7,175.19	11,406.78	6,973.55	86.36	86.71	75.87	99.23	5,760.15	821.85	653.51	168.34	4.882		
11,700.00	7,174.83	11,506.77	6,973.05	87.98	88.34	75.87	99.27	5,860.15	822.46	650.94	171.52	4.795		
11,800.00	7,174.47	11,606.77	6,972.56	89.61	89.98	75.87	99.32	5,960.15	823.07	648.37	174.71	4.711		
11,900.00	7,174.11	11,706.77	6,972.06	91.23	91.61	75.87	99.36	6,060.14	823.68	645.79	177.89	4.630		
12,000.00	7,173.75	11,806.77	6,971.57	92.86	93.25	75.87	99.40	6,160.14	824.29	643.21	181.08	4.552		
12,100.00	7,173.39	11,906.77	6,971.07	94.49	94.89	75.87	99.45	6,260.14	824.90	640.63	184.27	4.476		
12,200.00	7,173.03	12,006.77	6,970.58	96.12	96.53	75.87	99.49	6,360.14	825.51	638.04	187.47	4.403		
12,300.00	7,172.68	12,106.76	6,970.09	97.75	98.18	75.87	99.54	6,460.13	826.12	635.45	190.67	4.333		
12,400.00	7,172.32	12,206.76	6,969.59	99.38	99.82	75.88	99.58	6,560.13	826.73	632.86	193.87	4.264		
12,500.00	7,171.96	12,306.76	6,969.10	101.01	101.46	75.88	99.63	6,660.13	827.34	630.27	197.07	4.198		
12,600.00	7,171.60	12,406.76	6,968.60	102.65	103.11	75.88	99.67	6,760.12	827.95	627.67	200.27	4.134		
12,700.00	7,171.24	12,506.76	6,968.11	104.28	104.75	75.88	99.72	6,860.12	828.55	625.08	203.48	4.072		
12,800.00	7,170.88	12,606.75	6,967.61	105.92	106.40	75.88	99.76	6,960.12	829.16	622.48	206.69	4.012		
12,900.00	7,170.52	12,706.75	6,967.12	107.56	108.05	75.88	99.81	7,060.11	829.77	619.88	209.90	3.953		
13,000.00	7,170.16	12,806.75	6,966.62	109.20	109.70	75.88	99.85	7,160.11	830.38	617.27	213.11	3.897		
13,100.00	7,169.80	12,906.75	6,966.13	110.84	111.35	75.88	99.90	7,260.11	830.99	614.67	216.32	3.841		
13,200.00	7,169.44	13,006.75	6,965.64	112.48	112.99	75.88	99.94	7,360.10	831.60	612.06	219.54	3.788		
13,300.00	7,169.08	13,106.75	6,965.14	114.12	114.65	75.88	99.99	7,460.10	832.21	609.46	222.75	3.736		
13,400.00	7,168.72	13,206.74	6,964.65	115.77	116.30	75.88	100.03	7,560.10	832.82	606.85	225.97	3.686		
13,500.00	7,168.37	13,306.74	6,964.15	117.41	117.95	75.89	100.08	7,660.10	833.43	604.24	229.19	3.636		
13,600.00	7,168.01	13,406.74	6,963.66	119.05	119.60	75.89	100.12	7,760.09	834.04	601.63	232.41	3.589		
13,700.00	7,167.65	13,506.74	6,963.16	120.70	121.25	75.89	100.17	7,860.09	834.65	599.01	235.63	3.542		
13,800.00	7,167.29	13,606.74	6,962.67	122.35	122.91	75.89	100.21	7,960.09	835.25	596.40	238.86	3.497		
13,900.00	7,166.93	13,706.73	6,962.18	123.99	124.56	75.89	100.26	8,060.08	835.86	593.78	242.08	3.453		
14,000.00	7,166.57	13,806.73	6,961.68	125.64	126.21	75.89	100.30	8,160.08	836.47	591.17	245.31	3.410		
14,100.00	7,166.21	13,906.73	6,961.19	127.29	127.87	75.89	100.35	8,260.08	837.08	588.55	248.53	3.368		
14,200.00	7,165.85	14,006.73	6,960.69	128.94	129.52	75.89	100.39	8,360.07	837.69	585.93	251.76	3.327		
14,300.00	7,165.49	14,106.73	6,960.20	130.59	131.18	75.89	100.43	8,460.07	838.30	583.31	254.99	3.288		
14,400.00	7,165.13	14,206.72	6,959.70	132.24	132.84	75.89	100.48	8,560.07	838.91	580.69	258.22	3.249		
14,500.00	7,164.77	14,306.72	6,959.21	133.89	134.49	75.90	100.52	8,660.06	839.52	578.07	261.45	3.211		
14,600.00	7,164.41	14,406.72	6,958.71	135.54	136.15	75.90	100.57	8,760.06	840.13	575.45	264.68	3.174		
14,700.00	7,164.06	14,506.72	6,958.22	137.19	137.81	75.90	100.61	8,860.06	840.74	572.82	267.92	3.138		
14,800.00	7,163.70	14,606.72	6,957.73	138.84	139.46	75.90	100.66	8,960.05	841.35	570.20	271.15	3.103		
14,900.00	7,163.34	14,706.72	6,957.23	140.49	141.12	75.90	100.70	9,060.05	841.96	567.57	274.38	3.069		
15,000.00	7,162.98	14,806.71	6,956.74	142.15	142.78	75.90	100.75	9,160.05	842.56	564.95	277.62	3.035		
15,100.00	7,162.62	14,906.71	6,956.24	143.80	144.44	75.90	100.79	9,260.05	843.17	562.32	280.85	3.002		
15,200.00	7,162.26	15,006.71	6,955.75	145.45	146.10	75.90	100.84	9,360.04	843.78	559.69	284.09	2.970		
15,300.00	7,161.90	15,106.71	6,955.25	147.11	147.76	75.90	100.88	9,460.04	844.39	557.06	287.33	2.939		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3A-L - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,161.54	15,206.71	6,954.76	148.76	149.42	75.90	100.93	9,560.04	845.00	554.43	290.57	2.908	
15,500.00	7,161.18	15,306.70	6,954.26	150.42	151.08	75.90	100.97	9,660.03	845.61	551.81	293.80	2.878	
15,600.00	7,160.82	15,406.70	6,953.77	152.07	152.74	75.91	101.02	9,760.03	846.22	549.17	297.04	2.849	
15,700.00	7,160.46	15,506.70	6,953.28	153.73	154.40	75.91	101.06	9,860.03	846.83	546.54	300.28	2.820	
15,800.00	7,160.10	15,606.70	6,952.78	155.38	156.06	75.91	101.11	9,960.02	847.44	543.91	303.52	2.792	
15,900.00	7,159.75	15,706.70	6,952.29	157.04	157.72	75.91	101.15	10,060.02	848.05	541.28	306.77	2.764	
16,000.00	7,159.39	15,806.70	6,951.79	158.70	159.38	75.91	101.20	10,160.02	848.66	538.65	310.01	2.738	
16,100.00	7,159.03	15,906.69	6,951.30	160.35	161.04	75.91	101.24	10,260.01	849.26	536.01	313.25	2.711	
16,200.00	7,158.67	16,006.69	6,950.80	162.01	162.70	75.91	101.29	10,360.01	849.87	533.38	316.49	2.685	
16,300.00	7,158.31	16,106.69	6,950.31	163.67	164.37	75.91	101.33	10,460.01	850.48	530.75	319.74	2.660	
16,400.00	7,157.95	16,206.69	6,949.81	165.33	166.03	75.91	101.37	10,560.01	851.09	528.11	322.98	2.635	
16,500.00	7,157.59	16,306.69	6,949.32	166.99	167.69	75.91	101.42	10,660.00	851.70	525.48	326.23	2.611	
16,600.00	7,157.23	16,406.68	6,948.83	168.64	169.35	75.91	101.46	10,760.00	852.31	522.84	329.47	2.587	
16,700.00	7,156.87	16,506.68	6,948.33	170.30	171.01	75.92	101.51	10,860.00	852.92	520.20	332.72	2.564	
16,800.00	7,156.51	16,606.68	6,947.84	171.96	172.68	75.92	101.55	10,959.99	853.53	517.57	335.96	2.541	
16,900.00	7,156.15	16,706.68	6,947.34	173.62	174.34	75.92	101.60	11,059.99	854.14	514.93	339.21	2.518	
17,000.00	7,155.79	16,806.68	6,946.85	175.28	176.00	75.92	101.64	11,159.99	854.75	512.29	342.45	2.496	
17,100.00	7,155.44	16,906.67	6,946.35	176.94	177.67	75.92	101.69	11,259.98	855.36	509.66	345.70	2.474	
17,200.00	7,155.08	17,006.67	6,945.86	178.60	179.33	75.92	101.73	11,359.98	855.97	507.02	348.95	2.453	
17,300.00	7,154.72	17,106.67	6,945.36	180.26	181.00	75.92	101.78	11,459.98	856.57	504.38	352.20	2.432	
17,400.00	7,154.36	17,206.67	6,944.87	181.92	182.66	75.92	101.82	11,559.97	857.18	501.74	355.44	2.412	
17,500.00	7,154.00	17,306.67	6,944.38	183.58	184.32	75.92	101.87	11,659.97	857.79	499.10	358.69	2.391	
17,600.00	7,153.64	17,406.67	6,943.88	185.24	185.99	75.92	101.91	11,759.97	858.40	496.46	361.94	2.372	
17,700.00	7,153.28	17,506.66	6,943.39	186.90	187.65	75.92	101.96	11,859.97	859.01	493.82	365.19	2.352	
17,800.00	7,152.92	17,606.66	6,942.89	188.56	189.32	75.92	102.00	11,959.96	859.62	491.18	368.44	2.333	
17,900.00	7,152.56	17,706.66	6,942.40	190.23	190.98	75.93	102.05	12,059.96	860.23	488.54	371.69	2.314	
18,000.00	7,152.20	17,806.66	6,941.90	191.89	192.65	75.93	102.09	12,159.96	860.84	485.90	374.94	2.296	
18,100.00	7,151.84	17,886.97	6,941.51	193.55	193.98	75.93	102.13	12,240.27	861.67	484.11	377.56	2.282 SF	
18,156.36	7,151.64	17,886.97	6,941.51	194.48	193.98	75.93	102.13	12,240.27	865.14	488.60	376.54	2.298	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	90.52	-0.36	40.09	40.09				
100.00	100.00	100.00	100.00	3.28	3.28	90.52	-0.36	40.09	40.09	32.56	7.53	5.325	
200.00	200.00	200.00	200.00	3.31	3.31	90.52	-0.36	40.09	40.09	32.52	7.57	5.294 CC, ES	
300.00	300.00	298.67	298.65	3.35	3.35	34.43	0.20	41.69	41.49	33.83	7.66	5.417	
400.00	399.94	397.26	397.10	3.42	3.41	34.50	1.88	46.50	43.77	35.99	7.78	5.629	
500.00	499.72	495.76	495.24	3.51	3.50	35.57	4.68	54.48	46.43	38.50	7.93	5.855	
600.00	599.20	594.17	592.93	3.62	3.62	37.45	8.60	65.64	49.51	41.39	8.12	6.096	
700.00	698.27	692.47	690.05	3.76	3.77	39.95	13.61	79.93	53.07	44.71	8.36	6.350	
800.00	796.81	790.65	786.48	3.93	3.95	42.89	19.72	97.34	57.19	48.55	8.65	6.615	
900.00	894.69	890.50	884.21	4.15	4.18	47.00	26.48	116.63	60.50	51.46	9.04	6.695	
1,000.00	991.81	990.27	981.87	4.41	4.44	53.13	33.24	135.90	61.97	52.46	9.52	6.512	
1,100.00	1,088.65	1,089.99	1,079.47	4.71	4.72	59.85	40.00	155.15	63.52	53.43	10.09	6.298	
1,200.00	1,185.48	1,189.70	1,177.08	5.04	5.02	66.17	46.75	174.41	65.90	55.17	10.73	6.143	
1,300.00	1,282.32	1,289.42	1,274.68	5.39	5.34	71.98	53.51	193.67	69.02	57.60	11.43	6.040	
1,400.00	1,379.16	1,389.13	1,372.29	5.76	5.67	77.25	60.26	212.93	72.79	60.63	12.17	5.983	
1,500.00	1,475.99	1,488.85	1,469.89	6.14	6.01	81.96	67.02	232.19	77.12	64.18	12.94	5.961	
1,600.00	1,572.83	1,588.56	1,567.50	6.54	6.36	86.15	73.78	251.44	81.91	68.18	13.72	5.968	
1,700.00	1,669.67	1,688.28	1,665.10	6.94	6.72	89.86	80.53	270.70	87.09	72.56	14.52	5.996	
1,800.00	1,766.50	1,788.00	1,762.71	7.36	7.08	93.15	87.29	289.96	92.59	77.26	15.33	6.040	
1,900.00	1,863.34	1,887.71	1,860.31	7.59	7.31	96.05	94.04	309.22	98.36	82.94	15.42	6.377	
2,000.00	1,960.18	1,987.43	1,957.92	7.65	7.37	98.63	100.80	328.48	104.36	88.79	15.56	6.706	
2,100.00	2,057.01	2,087.14	2,055.52	7.73	7.44	100.93	107.55	347.74	110.54	94.83	15.71	7.037	
2,200.00	2,153.85	2,186.86	2,153.13	7.83	7.52	102.98	114.31	366.99	116.88	101.00	15.88	7.359	
2,300.00	2,250.69	2,286.58	2,250.73	7.95	7.61	104.82	121.06	386.25	123.36	107.27	16.09	7.668	
2,400.00	2,347.52	2,386.29	2,348.34	8.08	7.72	106.47	127.82	405.51	129.95	113.63	16.32	7.962	
2,500.00	2,444.36	2,486.01	2,445.94	8.24	7.85	107.96	134.57	424.77	136.64	120.06	16.58	8.239	
2,600.00	2,541.20	2,585.72	2,543.55	8.40	7.99	109.32	141.33	444.03	143.41	126.54	16.87	8.499	
2,700.00	2,638.03	2,685.44	2,641.15	8.59	8.14	110.55	148.09	463.28	150.26	133.06	17.19	8.740	
2,800.00	2,734.87	2,785.16	2,738.76	8.78	8.31	111.67	154.84	482.54	157.16	139.63	17.53	8.963	
2,900.00	2,831.71	2,884.87	2,836.36	8.99	8.49	112.70	161.60	501.80	164.13	146.22	17.90	9.168	
3,000.00	2,928.54	2,984.59	2,933.97	9.21	8.68	113.64	168.35	521.06	171.14	152.84	18.29	9.356	
3,100.00	3,025.38	3,084.30	3,031.57	9.45	8.88	114.51	175.11	540.32	178.19	159.49	18.70	9.527	
3,200.00	3,122.22	3,184.02	3,129.18	9.69	9.09	115.31	181.86	559.57	185.28	166.15	19.13	9.683	
3,300.00	3,219.05	3,283.73	3,226.78	9.94	9.31	116.06	188.62	578.83	192.40	172.82	19.59	9.824	
3,400.00	3,315.89	3,383.45	3,324.39	10.20	9.54	116.75	195.37	598.09	199.56	179.51	20.05	9.951	
3,500.00	3,412.73	3,483.17	3,421.99	10.48	9.78	117.39	202.13	617.35	206.74	186.20	20.54	10.066	
3,600.00	3,509.56	3,582.88	3,519.60	10.75	10.02	117.99	208.88	636.61	213.95	192.91	21.04	10.170	
3,700.00	3,606.40	3,682.60	3,617.21	11.04	10.27	118.55	215.64	655.86	221.17	199.62	21.55	10.262	
3,800.00	3,703.24	3,782.31	3,714.81	11.33	10.53	119.07	222.39	675.12	228.42	206.34	22.08	10.346	
3,900.00	3,800.07	3,882.03	3,812.42	11.63	10.79	119.57	229.15	694.38	235.69	213.07	22.62	10.420	
4,000.00	3,896.91	3,981.75	3,910.02	11.93	11.06	120.03	235.91	713.64	242.97	219.80	23.17	10.487	
4,100.00	3,993.75	4,081.46	4,007.63	12.24	11.33	120.47	242.66	732.90	250.26	226.53	23.73	10.546	
4,200.00	4,090.58	4,181.18	4,105.23	12.55	11.61	120.88	249.42	752.15	257.57	233.27	24.30	10.600	
4,300.00	4,187.42	4,280.89	4,202.84	12.87	11.89	121.27	256.17	771.41	264.89	240.01	24.88	10.647	
4,400.00	4,284.26	4,380.61	4,300.44	13.19	12.18	121.63	262.93	790.67	272.23	246.76	25.47	10.689	
4,500.00	4,381.09	4,480.33	4,398.05	13.52	12.47	121.98	269.68	809.93	279.57	253.51	26.06	10.726	
4,600.00	4,477.93	4,580.04	4,495.65	13.85	12.77	122.31	276.44	829.19	286.93	260.26	26.67	10.759	
4,700.00	4,574.77	4,679.76	4,593.26	14.18	13.06	122.63	283.19	848.44	294.29	267.01	27.28	10.789	
4,800.00	4,671.60	4,779.47	4,690.86	14.52	13.36	122.93	289.95	867.70	301.66	273.77	27.89	10.814	
4,900.00	4,768.44	4,879.19	4,788.47	14.86	13.67	123.21	296.70	886.96	309.04	280.52	28.52	10.837	
5,000.00	4,865.27	4,978.91	4,886.07	15.20	13.97	123.48	303.46	906.22	316.43	287.28	29.14	10.857	
5,100.00	4,962.11	5,078.62	4,983.68	15.54	14.28	123.74	310.22	925.48	323.82	294.04	29.78	10.874	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,058.95	5,178.34	5,081.28	15.89	14.59	123.99	316.97	944.73	331.22	300.80	30.42	10.890	
5,300.00	5,155.78	5,278.05	5,178.89	16.24	14.91	124.22	323.73	963.99	338.62	307.57	31.06	10.903	
5,400.00	5,252.62	5,377.77	5,276.49	16.59	15.22	124.45	330.48	983.25	346.03	314.33	31.71	10.914	
5,500.00	5,349.46	5,477.48	5,374.10	16.94	15.54	124.67	337.24	1,002.51	353.45	321.09	32.36	10.924	
5,600.00	5,446.29	5,577.20	5,471.70	17.30	15.86	124.88	343.99	1,021.77	360.87	327.86	33.01	10.932	
5,700.00	5,543.13	5,676.92	5,569.31	17.65	16.18	125.07	350.75	1,041.03	368.30	334.63	33.67	10.939	
5,800.00	5,639.97	5,776.63	5,666.91	18.01	16.50	125.27	357.50	1,060.28	375.73	341.40	34.33	10.945	
5,900.00	5,736.80	5,876.35	5,764.52	18.37	16.83	125.45	364.26	1,079.54	383.16	348.17	34.99	10.949	
6,000.00	5,833.64	5,976.06	5,862.12	18.73	17.15	125.63	371.01	1,098.80	390.60	354.94	35.66	10.953	
6,100.00	5,930.48	6,075.78	5,959.73	19.09	17.48	125.80	377.77	1,118.06	398.04	361.71	36.33	10.956	
6,200.00	6,027.31	6,175.50	6,057.33	19.46	17.81	125.96	384.53	1,137.32	405.48	368.48	37.00	10.958	
6,300.00	6,124.15	6,275.21	6,154.94	19.82	18.14	126.12	391.28	1,156.57	412.93	375.25	37.68	10.959	
6,400.00	6,220.99	6,374.93	6,252.54	20.19	18.47	126.27	398.04	1,175.83	420.38	382.02	38.36	10.960	
6,500.00	6,317.82	6,474.64	6,350.15	20.55	18.80	126.42	404.79	1,195.09	427.83	388.80	39.04	10.960	
6,600.00	6,414.66	6,574.36	6,447.75	20.92	19.13	126.56	411.55	1,214.35	435.29	395.57	39.72	10.959	
6,700.00	6,511.50	6,674.08	6,545.36	21.29	19.47	126.70	418.30	1,233.61	442.75	402.35	40.40	10.959	
6,800.00	6,608.33	6,774.68	6,643.70	21.66	19.81	126.76	425.11	1,253.62	450.18	409.08	41.10	10.952	
6,900.00	6,705.11	6,876.31	6,739.91	22.03	20.24	121.48	431.83	1,285.33	457.22	415.23	41.99	10.888	
7,000.00	6,799.10	6,975.10	6,827.46	22.47	20.78	107.35	438.03	1,330.47	463.95	420.87	43.07	10.771	
7,100.00	6,887.20	7,071.65	6,905.28	23.02	21.41	99.47	443.61	1,387.18	470.16	425.83	44.33	10.606	
7,200.00	6,967.23	7,166.17	6,972.34	23.68	22.13	94.25	448.51	1,453.49	475.63	429.89	45.74	10.398	
7,300.00	7,037.23	7,258.89	7,027.89	24.45	22.94	90.47	452.66	1,527.51	480.17	432.88	47.29	10.154	
7,400.00	7,095.47	7,350.02	7,071.48	25.31	23.82	87.64	456.02	1,607.38	483.56	434.62	48.94	9.880	
7,500.00	7,140.51	7,439.80	7,102.87	26.27	24.76	85.52	458.57	1,691.38	485.66	434.97	50.68	9.582	
7,600.00	7,171.26	7,528.43	7,122.01	27.31	25.74	84.01	460.29	1,777.83	486.31	433.83	52.48	9.267	
7,700.00	7,186.94	7,616.13	7,128.97	28.40	26.74	83.04	461.19	1,865.17	485.43	431.14	54.29	8.941	
7,800.00	7,188.83	7,714.63	7,128.62	29.51	27.89	82.83	461.64	1,963.68	482.39	425.90	56.49	8.540	
7,900.00	7,188.47	7,814.56	7,128.20	30.67	29.11	82.77	462.09	2,063.61	478.74	419.89	58.84	8.136	
8,000.00	7,188.11	7,914.50	7,127.77	31.88	30.37	82.71	462.54	2,163.54	475.09	413.80	61.29	7.752	
8,100.00	7,187.76	8,014.43	7,127.34	33.12	31.67	82.64	463.00	2,263.47	471.44	407.63	63.81	7.388	
8,200.00	7,187.40	8,114.36	7,126.92	34.40	33.00	82.57	463.45	2,363.40	467.80	401.39	66.40	7.045	
8,300.00	7,187.04	8,214.29	7,126.49	35.71	34.36	82.51	463.90	2,463.33	464.15	395.10	69.05	6.722	
8,400.00	7,186.68	8,314.22	7,126.06	37.05	35.75	82.44	464.36	2,563.26	460.50	388.74	71.76	6.417	
8,500.00	7,186.32	8,414.16	7,125.64	38.42	37.16	82.37	464.81	2,663.19	456.86	382.34	74.51	6.131	
8,600.00	7,185.96	8,514.09	7,125.21	39.81	38.59	82.30	465.26	2,763.12	453.22	375.90	77.31	5.862	
8,700.00	7,185.60	8,614.02	7,124.78	41.22	40.04	82.23	465.71	2,863.05	449.57	369.43	80.15	5.609	
8,800.00	7,185.24	8,713.95	7,124.36	42.65	41.51	82.15	466.17	2,962.98	445.93	362.91	83.02	5.372	
8,900.00	7,184.89	8,813.88	7,123.93	44.10	42.99	82.08	466.62	3,062.91	442.29	356.37	85.91	5.148	
9,000.00	7,184.53	8,913.82	7,123.50	45.56	44.48	82.01	467.07	3,162.84	438.65	349.81	88.84	4.937	
9,100.00	7,184.17	9,013.75	7,123.08	47.04	45.99	81.93	467.53	3,262.77	435.01	343.21	91.79	4.739	
9,200.00	7,183.81	9,113.68	7,122.65	48.52	47.51	81.85	467.98	3,362.70	431.37	336.60	94.76	4.552	
9,300.00	7,183.45	9,213.61	7,122.22	50.03	49.03	81.77	468.43	3,462.63	427.73	329.97	97.76	4.375	
9,400.00	7,183.09	9,313.54	7,121.80	51.54	50.57	81.69	468.88	3,562.56	424.09	323.32	100.77	4.209	
9,500.00	7,182.73	9,413.48	7,121.37	53.06	52.12	81.61	469.34	3,662.49	420.45	316.66	103.79	4.051	
9,600.00	7,182.37	9,513.45	7,120.94	54.59	53.67	81.55	469.79	3,762.45	418.25	311.42	106.83	3.915	
9,675.12	7,182.10	9,588.56	7,120.62	55.74	54.84	81.54	470.13	3,837.57	418.08	308.94	109.14	3.831	
9,700.00	7,182.01	9,613.45	7,120.51	56.12	55.23	81.55	470.24	3,862.45	418.38	308.47	109.90	3.807	
9,800.00	7,181.65	9,713.45	7,120.09	57.67	56.80	81.54	470.70	3,962.45	418.57	305.58	112.99	3.704	
9,900.00	7,181.30	9,813.45	7,119.66	59.23	58.37	81.54	471.15	4,062.45	418.76	302.67	116.10	3.607	
10,000.00	7,180.94	9,913.45	7,119.23	60.79	59.95	81.53	471.60	4,162.45	418.96	299.75	119.21	3.514	
10,100.00	7,180.58	10,013.45	7,118.81	62.36	61.53	81.52	472.06	4,262.44	419.15	296.82	122.34	3.426	
10,200.00	7,180.22	10,113.45	7,118.38	63.94	63.12	81.52	472.51	4,362.44	419.35	293.88	125.47	3.342	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3B-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,179.86	10,213.45	7,117.95	65.52	64.71	81.51	472.96	4,462.44	419.54	290.93	128.61	3.262		
10,400.00	7,179.50	10,313.45	7,117.53	67.10	66.30	81.51	473.42	4,562.44	419.73	287.97	131.77	3.185		
10,500.00	7,179.14	10,413.44	7,117.10	68.69	67.90	81.50	473.87	4,662.44	419.93	285.00	134.92	3.112		
10,600.00	7,178.78	10,513.44	7,116.67	70.28	69.50	81.50	474.32	4,762.43	420.12	282.03	138.09	3.042		
10,700.00	7,178.42	10,613.44	7,116.24	71.87	71.11	81.49	474.78	4,862.43	420.31	279.05	141.26	2.975		
10,800.00	7,178.06	10,713.44	7,115.82	73.47	72.72	81.49	475.23	4,962.43	420.51	276.07	144.44	2.911		
10,900.00	7,177.70	10,813.44	7,115.39	75.08	74.33	81.48	475.68	5,062.43	420.70	273.07	147.63	2.850		
11,000.00	7,177.34	10,913.44	7,114.96	76.68	75.94	81.48	476.14	5,162.43	420.89	270.08	150.82	2.791		
11,100.00	7,176.99	11,013.44	7,114.54	78.29	77.56	81.47	476.59	5,262.42	421.09	267.08	154.01	2.734		
11,200.00	7,176.63	11,113.44	7,114.11	79.90	79.18	81.47	477.04	5,362.42	421.28	264.07	157.21	2.680		
11,300.00	7,176.27	11,213.44	7,113.68	81.51	80.80	81.46	477.50	5,462.42	421.48	261.06	160.42	2.627		
11,400.00	7,175.91	11,313.44	7,113.25	83.13	82.42	81.45	477.95	5,562.42	421.67	258.04	163.63	2.577		
11,500.00	7,175.55	11,413.44	7,112.83	84.74	84.05	81.45	478.40	5,662.41	421.86	255.02	166.84	2.529		
11,600.00	7,175.19	11,513.44	7,112.40	86.36	85.68	81.44	478.85	5,762.41	422.06	252.00	170.06	2.482		
11,700.00	7,174.83	11,613.44	7,111.97	87.98	87.30	81.44	479.31	5,862.41	422.25	248.97	173.28	2.437		
11,800.00	7,174.47	11,713.44	7,111.55	89.61	88.93	81.43	479.76	5,962.41	422.44	245.94	176.50	2.393		
11,900.00	7,174.11	11,813.44	7,111.12	91.23	90.57	81.43	480.21	6,062.41	422.64	242.91	179.73	2.352		
12,000.00	7,173.75	11,913.44	7,110.69	92.86	92.20	81.42	480.67	6,162.40	422.83	239.88	182.96	2.311		
12,100.00	7,173.39	12,013.44	7,110.26	94.49	93.83	81.42	481.12	6,262.40	423.03	236.84	186.19	2.272		
12,200.00	7,173.03	12,113.44	7,109.84	96.12	95.47	81.41	481.57	6,362.40	423.22	233.80	189.42	2.234		
12,300.00	7,172.68	12,213.44	7,109.41	97.75	97.11	81.41	482.03	6,462.40	423.41	230.75	192.66	2.198		
12,400.00	7,172.32	12,313.44	7,108.98	99.38	98.75	81.40	482.48	6,562.40	423.61	227.71	195.90	2.162		
12,500.00	7,171.96	12,413.44	7,108.56	101.01	100.39	81.40	482.93	6,662.39	423.80	224.66	199.14	2.128		
12,600.00	7,171.60	12,513.44	7,108.13	102.65	102.03	81.39	483.39	6,762.39	423.99	221.61	202.39	2.095		
12,700.00	7,171.24	12,613.44	7,107.70	104.28	103.67	81.39	483.84	6,862.39	424.19	218.55	205.63	2.063		
12,800.00	7,170.88	12,713.44	7,107.27	105.92	105.31	81.38	484.29	6,962.39	424.38	215.50	208.88	2.032		
12,900.00	7,170.52	12,813.44	7,106.85	107.56	106.95	81.37	484.75	7,062.38	424.57	212.44	212.13	2.001		
13,000.00	7,170.16	12,913.44	7,106.42	109.20	108.60	81.37	485.20	7,162.38	424.77	209.38	215.38	1.972		
13,100.00	7,169.80	13,013.44	7,105.99	110.84	110.24	81.36	485.65	7,262.38	424.96	206.32	218.64	1.944		
13,200.00	7,169.44	13,113.44	7,105.57	112.48	111.89	81.36	486.11	7,362.38	425.16	203.26	221.89	1.916		
13,300.00	7,169.08	13,213.44	7,105.14	114.12	113.53	81.35	486.56	7,462.38	425.35	200.20	225.15	1.889		
13,400.00	7,168.72	13,313.44	7,104.71	115.77	115.18	81.35	487.01	7,562.37	425.54	197.14	228.41	1.863		
13,500.00	7,168.37	13,413.44	7,104.29	117.41	116.83	81.34	487.47	7,662.37	425.74	194.07	231.67	1.838		
13,600.00	7,168.01	13,513.44	7,103.86	119.05	118.48	81.34	487.92	7,762.37	425.93	191.00	234.93	1.813		
13,700.00	7,167.65	13,613.44	7,103.43	120.70	120.13	81.33	488.37	7,862.37	426.12	187.93	238.19	1.789		
13,800.00	7,167.29	13,713.44	7,103.00	122.35	121.78	81.33	488.83	7,962.37	426.32	184.86	241.45	1.766		
13,900.00	7,166.93	13,813.44	7,102.58	123.99	123.43	81.32	489.28	8,062.36	426.51	181.79	244.72	1.743		
14,000.00	7,166.57	13,913.44	7,102.15	125.64	125.08	81.32	489.73	8,162.36	426.71	178.72	247.99	1.721		
14,100.00	7,166.21	14,013.44	7,101.72	127.29	126.73	81.31	490.19	8,262.36	426.90	175.65	251.25	1.699		
14,200.00	7,165.85	14,113.44	7,101.30	128.94	128.38	81.31	490.64	8,362.36	427.09	172.57	254.52	1.678		
14,300.00	7,165.49	14,213.44	7,100.87	130.59	130.04	81.30	491.09	8,462.35	427.29	169.50	257.79	1.658		
14,400.00	7,165.13	14,313.44	7,100.44	132.24	131.69	81.30	491.54	8,562.35	427.48	166.42	261.06	1.637		
14,500.00	7,164.77	14,413.44	7,100.01	133.89	133.34	81.29	492.00	8,662.35	427.67	163.34	264.33	1.618		
14,600.00	7,164.41	14,513.44	7,099.59	135.54	135.00	81.28	492.45	8,762.35	427.87	160.27	267.60	1.599		
14,700.00	7,164.06	14,613.44	7,099.16	137.19	136.65	81.28	492.90	8,862.35	428.06	157.19	270.87	1.580		
14,800.00	7,163.70	14,713.44	7,098.73	138.84	138.31	81.27	493.36	8,962.34	428.26	154.11	274.15	1.562		
14,900.00	7,163.34	14,813.44	7,098.31	140.49	139.96	81.27	493.81	9,062.34	428.45	151.03	277.42	1.544		
15,000.00	7,162.98	14,913.44	7,097.88	142.15	141.62	81.26	494.26	9,162.34	428.64	147.95	280.70	1.527		
15,100.00	7,162.62	15,013.44	7,097.45	143.80	143.28	81.26	494.72	9,262.34	428.84	144.86	283.97	1.510		
15,200.00	7,162.26	15,113.44	7,097.02	145.45	144.93	81.25	495.17	9,362.34	429.03	141.78	287.25	1.494 Level 3		
15,300.00	7,161.90	15,213.44	7,096.60	147.11	146.59	81.25	495.62	9,462.33	429.23	138.70	290.53	1.477 Level 3		
15,400.00	7,161.54	15,313.44	7,096.17	148.76	148.25	81.24	496.08	9,562.33	429.42	135.61	293.80	1.462 Level 3		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3B-L - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,161.18	15,413.44	7,095.74	150.42	149.90	81.24	496.53	9,662.33	429.61	132.53	297.08	1.446 Level 3	
15,600.00	7,160.82	15,513.43	7,095.32	152.07	151.56	81.23	496.98	9,762.33	429.81	129.45	300.36	1.431 Level 3	
15,700.00	7,160.46	15,613.43	7,094.89	153.73	153.22	81.23	497.44	9,862.32	430.00	126.36	303.64	1.416 Level 3	
15,800.00	7,160.10	15,713.43	7,094.46	155.38	154.88	81.22	497.89	9,962.32	430.19	123.27	306.92	1.402 Level 3	
15,900.00	7,159.75	15,813.43	7,094.03	157.04	156.54	81.22	498.34	10,062.32	430.39	120.19	310.20	1.387 Level 3	
16,000.00	7,159.39	15,913.43	7,093.61	158.70	158.20	81.21	498.80	10,162.32	430.58	117.10	313.48	1.374 Level 3	
16,100.00	7,159.03	16,013.43	7,093.18	160.35	159.86	81.21	499.25	10,262.32	430.78	114.01	316.76	1.360 Level 3	
16,200.00	7,158.67	16,113.43	7,092.75	162.01	161.52	81.20	499.70	10,362.31	430.97	110.92	320.05	1.347 Level 3	
16,300.00	7,158.31	16,213.43	7,092.33	163.67	163.18	81.20	500.16	10,462.31	431.16	107.83	323.33	1.334 Level 3	
16,400.00	7,157.95	16,313.43	7,091.90	165.33	164.84	81.19	500.61	10,562.31	431.36	104.74	326.61	1.321 Level 3	
16,500.00	7,157.59	16,413.43	7,091.47	166.99	166.50	81.19	501.06	10,662.31	431.55	101.66	329.90	1.308 Level 3	
16,600.00	7,157.23	16,513.43	7,091.05	168.64	168.16	81.18	501.52	10,762.31	431.75	98.57	333.18	1.296 Level 3	
16,700.00	7,156.87	16,613.43	7,090.62	170.30	169.82	81.18	501.97	10,862.30	431.94	95.47	336.46	1.284 Level 3	
16,800.00	7,156.51	16,713.43	7,090.19	171.96	171.48	81.17	502.42	10,962.30	432.13	92.38	339.75	1.272 Level 3	
16,900.00	7,156.15	16,813.43	7,089.76	173.62	173.14	81.17	502.87	11,062.30	432.33	89.29	343.03	1.260 Level 3	
17,000.00	7,155.79	16,913.43	7,089.34	175.28	174.80	81.16	503.33	11,162.30	432.52	86.20	346.32	1.249 Level 2	
17,100.00	7,155.44	17,013.43	7,088.91	176.94	176.47	81.16	503.78	11,262.29	432.71	83.11	349.61	1.238 Level 2	
17,200.00	7,155.08	17,113.43	7,088.48	178.60	178.13	81.15	504.23	11,362.29	432.91	80.02	352.89	1.227 Level 2	
17,300.00	7,154.72	17,213.43	7,088.06	180.26	179.79	81.15	504.69	11,462.29	433.10	76.92	356.18	1.216 Level 2	
17,400.00	7,154.36	17,313.43	7,087.63	181.92	181.45	81.14	505.14	11,562.29	433.30	73.83	359.46	1.205 Level 2	
17,500.00	7,154.00	17,413.43	7,087.20	183.58	183.11	81.14	505.59	11,662.29	433.49	70.74	362.75	1.195 Level 2	
17,600.00	7,153.64	17,513.43	7,086.77	185.24	184.78	81.13	506.05	11,762.28	433.68	67.64	366.04	1.185 Level 2	
17,700.00	7,153.28	17,613.43	7,086.35	186.90	186.44	81.13	506.50	11,862.28	433.88	64.55	369.33	1.175 Level 2	
17,800.00	7,152.92	17,713.43	7,085.92	188.56	188.10	81.12	506.95	11,962.28	434.07	61.46	372.61	1.165 Level 2	
17,900.00	7,152.56	17,813.43	7,085.49	190.23	189.77	81.12	507.41	12,062.28	434.27	58.36	375.90	1.155 Level 2	
18,000.00	7,152.20	17,913.43	7,085.07	191.89	191.43	81.11	507.86	12,162.28	434.46	55.27	379.19	1.146 Level 2	
18,100.00	7,151.84	18,013.43	7,084.64	193.55	193.09	81.10	508.31	12,262.27	434.65	52.17	382.48	1.136 Level 2, SF	
18,156.36	7,151.64	18,028.81	7,084.57	194.48	193.35	81.10	508.38	12,277.66	436.69	55.67	381.02	1.146 Level 2	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3C-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	90.70	-0.73	59.86	59.86				
100.00	100.00	100.00	100.00	3.28	3.28	90.70	-0.73	59.86	59.86	52.33	7.53	7.951	
200.00	200.00	200.00	200.00	3.31	3.31	90.70	-0.73	59.86	59.86	52.29	7.57	7.904	
288.06	288.06	287.50	287.48	3.34	3.34	34.33	0.48	59.99	59.55	51.90	7.65	7.785 CC, ES	
300.00	300.00	299.18	299.17	3.35	3.35	33.94	0.74	60.13	59.90	52.24	7.66	7.819	
400.00	399.94	397.13	397.04	3.42	3.41	33.47	2.97	63.13	60.39	52.61	7.78	7.764	
500.00	499.72	495.03	494.70	3.51	3.49	34.63	5.41	69.48	61.40	53.47	7.93	7.741	
600.00	599.20	592.86	592.01	3.62	3.60	37.30	8.05	79.14	63.03	54.91	8.12	7.762	
700.00	698.27	690.56	688.80	3.76	3.74	41.27	10.88	92.09	65.51	57.16	8.35	7.845	
800.00	796.81	788.08	784.91	3.93	3.91	46.23	13.90	108.30	69.15	60.52	8.63	8.011	
900.00	894.69	887.53	882.58	4.15	4.12	52.33	17.08	126.75	72.95	63.94	9.02	8.092	
1,000.00	991.81	986.98	980.25	4.41	4.35	59.96	20.27	145.22	75.75	66.26	9.49	7.981	
1,100.00	1,088.65	1,086.36	1,077.85	4.71	4.61	67.74	23.46	163.67	79.35	69.29	10.06	7.891	
1,200.00	1,185.48	1,185.73	1,175.44	5.04	4.89	74.74	26.65	182.12	84.29	73.60	10.68	7.889	
1,300.00	1,282.32	1,285.10	1,273.04	5.39	5.19	80.90	29.83	200.57	90.34	78.98	11.36	7.953	
1,400.00	1,379.16	1,384.48	1,370.63	5.76	5.50	86.23	33.02	219.02	97.31	85.24	12.07	8.063	
1,500.00	1,475.99	1,483.85	1,468.22	6.14	5.82	90.82	36.21	237.47	105.01	92.21	12.80	8.205	
1,600.00	1,572.83	1,583.22	1,565.82	6.54	6.15	94.77	39.39	255.92	113.29	99.75	13.54	8.366	
1,700.00	1,669.67	1,682.60	1,663.41	6.94	6.48	98.16	42.58	274.36	122.03	107.73	14.30	8.536	
1,800.00	1,766.50	1,781.97	1,761.00	7.36	6.83	101.10	45.77	292.81	131.14	116.08	15.06	8.710	
1,900.00	1,863.34	1,881.34	1,858.60	7.59	7.05	103.65	48.96	311.26	140.55	125.42	15.13	9.291	
2,000.00	1,960.18	1,980.72	1,956.19	7.65	7.12	105.88	52.14	329.71	150.20	134.95	15.26	9.846	
2,100.00	2,057.01	2,080.09	2,053.79	7.73	7.17	107.84	55.33	348.16	160.05	144.67	15.38	10.404	
2,200.00	2,153.85	2,179.47	2,151.38	7.83	7.25	109.57	58.52	366.61	170.07	154.52	15.54	10.942	
2,300.00	2,250.69	2,278.84	2,248.97	7.95	7.33	111.10	61.70	385.06	180.22	164.48	15.73	11.455	
2,400.00	2,347.52	2,378.21	2,346.57	8.08	7.44	112.48	64.89	403.51	190.48	174.53	15.95	11.939	
2,500.00	2,444.36	2,477.59	2,444.16	8.24	7.56	113.71	68.08	421.96	200.84	184.64	16.21	12.393	
2,600.00	2,541.20	2,576.96	2,541.76	8.40	7.69	114.82	71.26	440.41	211.29	194.80	16.49	12.816	
2,700.00	2,638.03	2,676.33	2,639.35	8.59	7.84	115.82	74.45	458.86	221.81	205.01	16.79	13.207	
2,800.00	2,734.87	2,775.71	2,736.94	8.78	8.00	116.74	77.64	477.31	232.38	215.26	17.13	13.567	
2,900.00	2,831.71	2,875.08	2,834.54	8.99	8.17	117.57	80.82	495.76	243.02	225.53	17.49	13.897	
3,000.00	2,928.54	2,974.45	2,932.13	9.21	8.35	118.33	84.01	514.21	253.69	235.83	17.87	14.198	
3,100.00	3,025.38	3,073.83	3,029.73	9.45	8.54	119.04	87.20	532.66	264.41	246.14	18.27	14.471	
3,200.00	3,122.22	3,173.20	3,127.32	9.69	8.74	119.68	90.38	551.11	275.17	256.47	18.70	14.718	
3,300.00	3,219.05	3,272.58	3,224.91	9.94	8.95	120.28	93.57	569.56	285.96	266.82	19.14	14.941	
3,400.00	3,315.89	3,371.95	3,322.51	10.20	9.17	120.84	96.76	588.01	296.77	277.17	19.60	15.142	
3,500.00	3,412.73	3,471.32	3,420.10	10.48	9.40	121.36	99.94	606.46	307.61	287.54	20.08	15.322	
3,600.00	3,509.56	3,570.70	3,517.69	10.75	9.63	121.84	103.13	624.91	318.48	297.91	20.57	15.484	
3,700.00	3,606.40	3,670.07	3,615.29	11.04	9.87	122.29	106.32	643.36	329.37	308.29	21.07	15.629	
3,800.00	3,703.24	3,769.44	3,712.88	11.33	10.12	122.71	109.51	661.81	340.27	318.68	21.59	15.758	
3,900.00	3,800.07	3,868.82	3,810.48	11.63	10.37	123.10	112.69	680.26	351.19	329.07	22.12	15.873	
4,000.00	3,896.91	3,968.19	3,908.07	11.93	10.63	123.47	115.88	698.71	362.13	339.46	22.67	15.976	
4,100.00	3,993.75	4,067.56	4,005.66	12.24	10.89	123.82	119.07	717.16	373.08	349.86	23.22	16.067	
4,200.00	4,090.58	4,166.94	4,103.26	12.55	11.16	124.15	122.25	735.61	384.04	360.26	23.78	16.148	
4,300.00	4,187.42	4,266.31	4,200.85	12.87	11.43	124.46	125.44	754.06	395.02	370.66	24.35	16.220	
4,400.00	4,284.26	4,365.68	4,298.45	13.19	11.71	124.76	128.63	772.51	406.01	381.07	24.93	16.283	
4,500.00	4,381.09	4,465.06	4,396.04	13.52	11.99	125.03	131.81	790.96	417.00	391.48	25.52	16.339	
4,600.00	4,477.93	4,564.43	4,493.63	13.85	12.28	125.30	135.00	809.41	428.01	401.89	26.12	16.388	
4,700.00	4,574.77	4,663.81	4,591.23	14.18	12.56	125.55	138.19	827.86	439.02	412.30	26.72	16.431	
4,800.00	4,671.60	4,763.18	4,688.82	14.52	12.85	125.79	141.37	846.31	450.05	422.72	27.33	16.469	
4,900.00	4,768.44	4,862.55	4,786.42	14.86	13.15	126.02	144.56	864.76	461.08	433.13	27.94	16.502	
5,000.00	4,865.27	4,961.93	4,884.01	15.20	13.44	126.23	147.75	883.21	472.11	443.55	28.56	16.530	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3C-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,962.11	5,061.30	4,981.60	15.54	13.74	126.44	150.93	901.66	483.15	453.97	29.18	16.555		
5,200.00	5,058.95	5,160.67	5,079.20	15.89	14.04	126.64	154.12	920.11	494.20	464.39	29.81	16.576		
5,300.00	5,155.78	5,260.05	5,176.79	16.24	14.34	126.83	157.31	938.56	505.26	474.81	30.45	16.594		
5,400.00	5,252.62	5,359.42	5,274.38	16.59	14.65	127.01	160.50	957.01	516.32	485.23	31.09	16.609		
5,500.00	5,349.46	5,458.79	5,371.98	16.94	14.96	127.18	163.68	975.46	527.38	495.65	31.73	16.622		
5,600.00	5,446.29	5,558.17	5,469.57	17.30	15.26	127.35	166.87	993.91	538.45	506.08	32.37	16.633		
5,700.00	5,543.13	5,657.54	5,567.17	17.65	15.57	127.50	170.06	1,012.36	549.52	516.50	33.02	16.641		
5,800.00	5,639.97	5,756.92	5,664.76	18.01	15.89	127.66	173.24	1,030.80	560.60	526.93	33.67	16.647		
5,900.00	5,736.80	5,856.29	5,762.35	18.37	16.20	127.81	176.43	1,049.25	571.68	537.35	34.33	16.652		
6,000.00	5,833.64	5,955.66	5,859.95	18.73	16.51	127.95	179.62	1,067.70	582.77	547.78	34.99	16.656		
6,100.00	5,930.48	6,055.04	5,957.54	19.09	16.83	128.08	182.80	1,086.15	593.86	558.21	35.65	16.658		
6,200.00	6,027.31	6,154.41	6,055.14	19.46	17.15	128.21	185.99	1,104.60	604.95	568.63	36.31	16.659		
6,300.00	6,124.15	6,253.78	6,152.73	19.82	17.47	128.34	189.18	1,123.05	616.04	579.06	36.98	16.659		
6,400.00	6,220.99	6,353.16	6,250.32	20.19	17.79	128.46	192.36	1,141.50	627.14	589.49	37.65	16.658		
6,500.00	6,317.82	6,452.53	6,347.92	20.55	18.11	128.58	195.55	1,159.95	638.24	599.92	38.32	16.656		
6,600.00	6,414.66	6,551.90	6,445.51	20.92	18.43	128.69	198.74	1,178.40	649.34	610.35	38.99	16.653		
6,700.00	6,511.50	6,651.28	6,543.11	21.29	18.75	128.80	201.92	1,196.85	660.45	620.78	39.67	16.650		
6,800.00	6,608.33	6,750.65	6,640.70	21.66	19.08	128.91	205.11	1,215.30	671.55	631.21	40.34	16.646		
6,900.00	6,705.11	6,859.48	6,746.79	22.03	19.46	124.82	208.75	1,238.96	682.27	641.16	41.11	16.596		
7,000.00	6,799.10	6,974.30	6,853.08	22.47	20.00	111.75	213.28	1,281.74	691.11	648.97	42.14	16.399		
7,100.00	6,887.20	7,087.66	6,948.79	23.02	20.68	104.77	218.39	1,342.00	697.89	654.45	43.44	16.067		
7,200.00	6,967.23	7,199.12	7,030.99	23.68	21.49	100.29	223.86	1,416.85	702.52	657.54	44.98	15.618		
7,300.00	7,037.23	7,308.31	7,097.66	24.45	22.42	97.09	229.49	1,502.98	704.96	658.20	46.76	15.076		
7,400.00	7,095.47	7,415.01	7,147.64	25.31	23.45	94.68	235.10	1,596.94	705.22	656.48	48.74	14.470		
7,500.00	7,140.51	7,519.08	7,180.61	26.27	24.55	92.85	240.51	1,695.38	703.37	652.51	50.86	13.829		
7,600.00	7,171.26	7,620.53	7,196.88	27.31	25.68	91.49	245.59	1,795.28	699.50	646.43	53.07	13.180		
7,700.00	7,186.94	7,719.82	7,198.79	28.40	26.82	90.67	250.29	1,894.40	693.71	638.40	55.31	12.542		
7,800.00	7,188.83	7,819.47	7,198.33	29.51	28.01	90.81	254.96	1,993.93	686.11	628.47	57.64	11.903		
7,900.00	7,188.47	7,919.15	7,197.86	30.67	29.24	90.81	259.62	2,093.51	678.20	618.13	60.07	11.290		
8,000.00	7,188.11	8,018.84	7,197.40	31.88	30.52	90.81	264.29	2,193.09	670.29	607.70	62.59	10.710		
8,100.00	7,187.76	8,118.53	7,196.94	33.12	31.83	90.81	268.96	2,292.66	662.38	597.21	65.17	10.163		
8,200.00	7,187.40	8,218.21	7,196.48	34.40	33.18	90.81	273.63	2,392.24	654.47	586.64	67.83	9.649		
8,300.00	7,187.04	8,317.90	7,196.01	35.71	34.55	90.81	278.30	2,491.82	646.56	576.02	70.54	9.166		
8,400.00	7,186.68	8,417.59	7,195.55	37.05	35.94	90.81	282.97	2,591.39	638.65	565.34	73.30	8.712		
8,500.00	7,186.32	8,517.27	7,195.09	38.42	37.36	90.82	287.63	2,690.97	630.74	554.62	76.11	8.287		
8,600.00	7,185.96	8,616.96	7,194.62	39.81	38.80	90.82	292.30	2,790.54	622.83	543.86	78.96	7.888		
8,700.00	7,185.60	8,716.65	7,194.16	41.22	40.25	90.82	296.97	2,890.12	614.92	533.07	81.85	7.513		
8,800.00	7,185.24	8,816.33	7,193.70	42.65	41.72	90.82	301.64	2,989.70	607.01	522.24	84.77	7.161		
8,900.00	7,184.89	8,916.02	7,193.24	44.10	43.20	90.82	306.31	3,089.27	599.09	511.37	87.72	6.830		
9,000.00	7,184.53	9,015.71	7,192.77	45.56	44.70	90.82	310.97	3,188.85	591.18	500.49	90.70	6.518		
9,100.00	7,184.17	9,115.39	7,192.31	47.04	46.21	90.82	315.64	3,288.42	583.27	489.58	93.70	6.225		
9,200.00	7,183.81	9,215.08	7,191.85	48.52	47.73	90.82	320.31	3,388.00	575.36	478.64	96.72	5.949		
9,300.00	7,183.45	9,314.76	7,191.38	50.03	49.25	90.82	324.98	3,487.58	567.45	467.69	99.76	5.688		
9,400.00	7,183.09	9,414.45	7,190.92	51.54	50.79	90.82	329.65	3,587.15	559.54	456.72	102.82	5.442		
9,500.00	7,182.73	9,514.14	7,190.46	53.06	52.33	90.82	334.32	3,686.73	551.63	445.73	105.90	5.209		
9,600.00	7,182.37	9,613.92	7,189.99	54.59	53.88	90.81	338.99	3,786.40	545.17	436.18	108.99	5.002		
9,700.00	7,182.01	9,713.84	7,189.53	56.12	55.44	90.81	343.67	3,886.21	541.05	428.96	112.09	4.827		
9,800.00	7,181.65	9,813.76	7,189.07	57.67	57.01	90.80	348.35	3,986.02	537.01	421.80	115.21	4.661		
9,900.00	7,181.30	9,913.68	7,188.60	59.23	58.58	90.79	353.03	4,085.82	532.96	414.61	118.35	4.503		
10,000.00	7,180.94	10,013.59	7,188.14	60.79	60.16	90.79	357.70	4,185.63	528.92	407.42	121.49	4.353		
10,100.00	7,180.58	10,096.61	7,187.75	62.36	61.47	90.78	360.11	4,268.61	526.62	402.41	124.21	4.240		
10,128.28	7,180.48	10,120.50	7,187.64	62.81	61.85	90.78	360.37	4,292.50	526.50	401.52	124.98	4.213		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3C-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	7,180.22	10,184.30	7,187.34	63.94	62.87	90.77	360.14	4,356.30	527.20	400.20	127.00	4.151		
10,300.00	7,179.86	10,284.29	7,186.88	65.52	64.46	90.76	359.27	4,456.28	528.70	398.53	130.17	4.061		
10,400.00	7,179.50	10,384.28	7,186.41	67.10	66.06	90.74	358.41	4,556.27	530.20	396.84	133.36	3.976		
10,500.00	7,179.14	10,484.27	7,185.95	68.69	67.66	90.73	357.54	4,656.25	531.71	395.15	136.55	3.894		
10,600.00	7,178.78	10,584.26	7,185.48	70.28	69.26	90.72	356.68	4,756.23	533.21	393.45	139.75	3.815		
10,700.00	7,178.42	10,684.24	7,185.01	71.87	70.86	90.70	355.81	4,856.22	534.71	391.75	142.96	3.740		
10,800.00	7,178.06	10,784.23	7,184.55	73.47	72.47	90.69	354.95	4,956.20	536.21	390.04	146.18	3.668		
10,900.00	7,177.70	10,884.22	7,184.08	75.08	74.09	90.68	354.08	5,056.18	537.72	388.32	149.39	3.599		
11,000.00	7,177.34	10,984.21	7,183.62	76.68	75.70	90.66	353.21	5,156.17	539.22	386.60	152.62	3.533		
11,100.00	7,176.99	11,084.20	7,183.15	78.29	77.32	90.65	352.35	5,256.15	540.72	384.87	155.85	3.470		
11,200.00	7,176.63	11,184.19	7,182.69	79.90	78.94	90.64	351.48	5,356.14	542.23	383.14	159.08	3.408		
11,300.00	7,176.27	11,284.18	7,182.22	81.51	80.56	90.62	350.62	5,456.12	543.73	381.41	162.32	3.350		
11,400.00	7,175.91	11,384.17	7,181.75	83.13	82.18	90.61	349.75	5,556.10	545.23	379.67	165.57	3.293		
11,500.00	7,175.55	11,484.15	7,181.29	84.74	83.81	90.60	348.89	5,656.09	546.73	377.92	168.81	3.239		
11,600.00	7,175.19	11,584.14	7,180.82	86.36	85.44	90.59	348.02	5,756.07	548.24	376.17	172.06	3.186		
11,700.00	7,174.83	11,684.13	7,180.36	87.98	87.07	90.57	347.16	5,856.05	549.74	374.42	175.32	3.136		
11,800.00	7,174.47	11,784.12	7,179.89	89.61	88.70	90.56	346.29	5,956.04	551.24	372.67	178.58	3.087		
11,900.00	7,174.11	11,884.11	7,179.43	91.23	90.33	90.55	345.43	6,056.02	552.75	370.91	181.84	3.040		
12,000.00	7,173.75	11,984.10	7,178.96	92.86	91.96	90.54	344.56	6,156.01	554.25	369.15	185.10	2.994		
12,100.00	7,173.39	12,084.09	7,178.49	94.49	93.60	90.52	343.70	6,255.99	555.75	367.39	188.37	2.950		
12,200.00	7,173.03	12,184.07	7,178.03	96.12	95.24	90.51	342.83	6,355.97	557.26	365.62	191.64	2.908		
12,300.00	7,172.68	12,284.06	7,177.56	97.75	96.87	90.50	341.97	6,455.96	558.76	363.85	194.91	2.867		
12,400.00	7,172.32	12,384.05	7,177.10	99.38	98.51	90.49	341.10	6,555.94	560.26	362.08	198.18	2.827		
12,500.00	7,171.96	12,484.04	7,176.63	101.01	100.15	90.47	340.24	6,655.93	561.77	360.31	201.46	2.788		
12,600.00	7,171.60	12,584.03	7,176.16	102.65	101.79	90.46	339.37	6,755.91	563.27	358.53	204.74	2.751		
12,700.00	7,171.24	12,684.02	7,175.70	104.28	103.44	90.45	338.50	6,855.89	564.77	356.75	208.02	2.715		
12,800.00	7,170.88	12,784.01	7,175.23	105.92	105.08	90.44	337.64	6,955.88	566.28	354.97	211.30	2.680		
12,900.00	7,170.52	12,883.99	7,174.77	107.56	106.73	90.43	336.77	7,055.86	567.78	353.19	214.59	2.646		
13,000.00	7,170.16	12,983.98	7,174.30	109.20	108.37	90.41	335.91	7,155.84	569.28	351.41	217.87	2.613		
13,100.00	7,169.80	13,083.97	7,173.84	110.84	110.02	90.40	335.04	7,255.83	570.79	349.62	221.16	2.581		
13,200.00	7,169.44	13,183.96	7,173.37	112.48	111.66	90.39	334.18	7,355.81	572.29	347.84	224.45	2.550		
13,300.00	7,169.08	13,283.95	7,172.90	114.12	113.31	90.38	333.31	7,455.80	573.79	346.05	227.74	2.519		
13,400.00	7,168.72	13,383.94	7,172.44	115.77	114.96	90.37	332.45	7,555.78	575.30	344.26	231.04	2.490		
13,500.00	7,168.37	13,483.93	7,171.97	117.41	116.61	90.36	331.58	7,655.76	576.80	342.47	234.33	2.461		
13,600.00	7,168.01	13,583.92	7,171.51	119.05	118.26	90.34	330.72	7,755.75	578.30	340.68	237.63	2.434		
13,700.00	7,167.65	13,683.90	7,171.04	120.70	119.91	90.33	329.85	7,855.73	579.81	338.88	240.93	2.407		
13,800.00	7,167.29	13,783.89	7,170.58	122.35	121.56	90.32	328.99	7,955.71	581.31	337.09	244.22	2.380		
13,900.00	7,166.93	13,883.88	7,170.11	123.99	123.21	90.31	328.12	8,055.70	582.81	335.29	247.52	2.355		
14,000.00	7,166.57	13,983.87	7,169.64	125.64	124.86	90.30	327.26	8,155.68	584.32	333.49	250.83	2.330		
14,100.00	7,166.21	14,083.86	7,169.18	127.29	126.52	90.29	326.39	8,255.67	585.82	331.69	254.13	2.305		
14,200.00	7,165.85	14,183.85	7,168.71	128.94	128.17	90.28	325.52	8,355.65	587.33	329.90	257.43	2.281		
14,300.00	7,165.49	14,283.84	7,168.25	130.59	129.82	90.26	324.66	8,455.63	588.83	328.09	260.73	2.258		
14,400.00	7,165.13	14,383.82	7,167.78	132.24	131.48	90.25	323.79	8,555.62	590.33	326.29	264.04	2.236		
14,500.00	7,164.77	14,483.81	7,167.32	133.89	133.13	90.24	322.93	8,655.60	591.84	324.49	267.35	2.214		
14,600.00	7,164.41	14,583.80	7,166.85	135.54	134.79	90.23	322.06	8,755.58	593.34	322.69	270.65	2.192		
14,700.00	7,164.06	14,683.79	7,166.38	137.19	136.44	90.22	321.20	8,855.57	594.84	320.88	273.96	2.171		
14,800.00	7,163.70	14,783.78	7,165.92	138.84	138.10	90.21	320.33	8,955.55	596.35	319.08	277.27	2.151		
14,900.00	7,163.34	14,883.77	7,165.45	140.49	139.76	90.20	319.47	9,055.54	597.85	317.27	280.58	2.131		
15,000.00	7,162.98	14,983.76	7,164.99	142.15	141.41	90.19	318.60	9,155.52	599.36	315.46	283.89	2.111		
15,100.00	7,162.62	15,083.74	7,164.52	143.80	143.07	90.18	317.74	9,255.50	600.86	313.66	287.20	2.092		
15,200.00	7,162.26	15,183.73	7,164.05	145.45	144.73	90.17	316.87	9,355.49	602.36	311.85	290.51	2.073		
15,300.00	7,161.90	15,283.72	7,163.59	147.11	146.39	90.16	316.01	9,455.47	603.87	310.04	293.83	2.055		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 23N-3C-L - Wellbore #1 - Design #1													<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,400.00	7,161.54	15,383.71	7,163.12	148.76	148.05	90.15	315.14	9,555.46	605.37	308.23	297.14	2.037		
15,500.00	7,161.18	15,483.70	7,162.66	150.42	149.70	90.14	314.28	9,655.44	606.88	306.42	300.46	2.020		
15,600.00	7,160.82	15,583.69	7,162.19	152.07	151.36	90.13	313.41	9,755.42	608.38	304.61	303.77	2.003		
15,700.00	7,160.46	15,683.68	7,161.73	153.73	153.02	90.12	312.54	9,855.41	609.88	302.80	307.09	1.986		
15,800.00	7,160.10	15,783.67	7,161.26	155.38	154.68	90.11	311.68	9,955.39	611.39	300.99	310.40	1.970		
15,900.00	7,159.75	15,883.65	7,160.79	157.04	156.34	90.09	310.81	10,055.37	612.89	299.17	313.72	1.954		
16,000.00	7,159.39	15,983.64	7,160.33	158.70	158.00	90.08	309.95	10,155.36	614.40	297.36	317.04	1.938		
16,100.00	7,159.03	16,083.63	7,159.86	160.35	159.66	90.07	309.08	10,255.34	615.90	295.55	320.35	1.923		
16,200.00	7,158.67	16,183.62	7,159.40	162.01	161.33	90.06	308.22	10,355.33	617.40	293.73	323.67	1.907		
16,300.00	7,158.31	16,283.61	7,158.93	163.67	162.99	90.05	307.35	10,455.31	618.91	291.92	326.99	1.893		
16,400.00	7,157.95	16,383.60	7,158.47	165.33	164.65	90.04	306.49	10,555.29	620.41	290.10	330.31	1.878		
16,500.00	7,157.59	16,483.59	7,158.00	166.99	166.31	90.03	305.62	10,655.28	621.92	288.29	333.63	1.864		
16,600.00	7,157.23	16,583.57	7,157.53	168.64	167.97	90.02	304.76	10,755.26	623.42	286.47	336.95	1.850		
16,700.00	7,156.87	16,683.56	7,157.07	170.30	169.63	90.01	303.89	10,855.24	624.92	284.65	340.27	1.837		
16,800.00	7,156.51	16,783.55	7,156.60	171.96	171.30	90.01	303.03	10,955.23	626.43	282.84	343.59	1.823		
16,900.00	7,156.15	16,883.54	7,156.14	173.62	172.96	90.00	302.16	11,055.21	627.93	281.02	346.91	1.810		
17,000.00	7,155.79	16,983.53	7,155.67	175.28	174.62	89.99	301.30	11,155.20	629.44	279.20	350.24	1.797		
17,100.00	7,155.44	17,083.52	7,155.20	176.94	176.28	89.98	300.43	11,255.18	630.94	277.38	353.56	1.785		
17,200.00	7,155.08	17,183.51	7,154.74	178.60	177.95	89.97	299.57	11,355.16	632.45	275.56	356.88	1.772		
17,300.00	7,154.72	17,283.49	7,154.27	180.26	179.61	89.96	298.70	11,455.15	633.95	273.74	360.21	1.760		
17,400.00	7,154.36	17,383.48	7,153.81	181.92	181.27	89.95	297.83	11,555.13	635.45	271.93	363.53	1.748		
17,500.00	7,154.00	17,483.47	7,153.34	183.58	182.94	89.94	296.97	11,655.12	636.96	270.11	366.85	1.736		
17,600.00	7,153.64	17,583.46	7,152.88	185.24	184.60	89.93	296.10	11,755.10	638.46	268.29	370.18	1.725		
17,700.00	7,153.28	17,683.45	7,152.41	186.90	186.27	89.92	295.24	11,855.08	639.97	266.47	373.50	1.713		
17,800.00	7,152.92	17,783.44	7,151.94	188.56	187.93	89.91	294.37	11,955.07	641.47	264.64	376.83	1.702		
17,900.00	7,152.56	17,883.43	7,151.48	190.23	189.59	89.90	293.51	12,055.05	642.98	262.82	380.15	1.691		
18,000.00	7,152.20	17,983.41	7,151.01	191.89	191.26	89.89	292.64	12,155.03	644.48	261.00	383.48	1.681		
18,100.00	7,151.84	18,083.40	7,150.55	193.55	192.92	89.88	291.78	12,255.02	645.99	259.18	386.80	1.670 SF		
18,156.36	7,151.64	18,087.02	7,150.53	194.48	192.98	89.88	291.75	12,258.63	648.98	263.46	385.52	1.683		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25C-3-L - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	1.00	1.00	3.28	3.28	-90.00	0.00	-40.09	40.09					
100.00	100.00	101.00	101.00	3.28	3.28	-90.00	0.00	-40.09	40.09	32.56	7.53	5.325		
200.00	200.00	201.00	201.00	3.31	3.31	-90.00	0.00	-40.09	40.09	32.52	7.57	5.293 CC		
200.07	200.07	201.07	201.07	3.31	3.31	-90.00	0.00	-40.09	40.09	32.52	7.57	5.293 ES		
300.00	300.00	301.01	301.01	3.35	3.35	-145.72	0.00	-40.09	40.32	32.66	7.66	5.261		
400.00	399.94	402.10	402.08	3.42	3.42	-146.53	1.20	-38.72	41.56	33.77	7.79	5.334		
500.00	499.72	503.23	503.06	3.51	3.51	-146.82	4.74	-34.66	43.02	35.06	7.96	5.406		
600.00	599.20	604.41	603.84	3.62	3.62	-146.64	10.62	-27.91	44.68	36.52	8.16	5.475		
700.00	698.27	705.62	704.27	3.76	3.76	-146.03	18.85	-18.49	46.55	38.14	8.41	5.538		
800.00	796.81	806.87	804.23	3.93	3.93	-145.06	29.40	-6.39	48.64	39.94	8.70	5.592		
900.00	894.69	908.14	903.58	4.15	4.13	-143.78	42.27	8.37	50.96	41.91	9.05	5.632		
1,000.00	991.81	1,009.44	1,002.21	4.41	4.39	-142.22	57.45	25.77	53.48	44.01	9.46	5.650		
1,100.00	1,088.65	1,110.72	1,099.95	4.71	4.69	-138.94	74.91	45.78	54.51	44.54	9.97	5.468		
1,200.00	1,185.48	1,210.97	1,195.96	5.04	5.03	-133.64	93.87	67.52	54.06	43.45	10.61	5.096		
1,263.01	1,246.51	1,273.91	1,256.20	5.26	5.27	-130.21	105.83	81.23	53.96	42.90	11.06	4.879		
1,300.00	1,282.32	1,310.84	1,291.56	5.39	5.41	-128.19	112.86	89.28	54.00	42.66	11.34	4.762		
1,400.00	1,379.16	1,410.71	1,387.16	5.76	5.81	-122.77	131.84	111.04	54.42	42.28	12.14	4.482		
1,500.00	1,475.99	1,510.58	1,482.76	6.14	6.23	-117.48	150.83	132.81	55.33	42.32	13.00	4.255		
1,600.00	1,572.83	1,610.44	1,578.36	6.54	6.67	-112.41	169.81	154.57	56.68	42.78	13.91	4.076		
1,700.00	1,669.67	1,710.31	1,673.96	6.94	7.12	-107.60	188.80	176.34	58.47	43.63	14.83	3.941		
1,800.00	1,766.50	1,810.18	1,769.56	7.36	7.55	-103.11	207.79	198.10	60.63	44.88	15.75	3.849		
1,900.00	1,863.34	1,910.05	1,865.16	7.59	7.79	-98.95	226.77	219.86	63.15	47.24	15.90	3.971		
2,000.00	1,960.18	2,009.91	1,960.76	7.65	7.87	-95.13	245.76	241.63	65.97	49.90	16.07	4.104		
2,100.00	2,057.01	2,109.78	2,056.36	7.73	7.96	-91.63	264.74	263.39	69.06	52.79	16.27	4.245		
2,200.00	2,153.85	2,209.65	2,151.96	7.83	8.08	-88.45	283.73	285.16	72.38	55.90	16.48	4.392		
2,300.00	2,250.69	2,309.52	2,247.56	7.95	8.22	-85.55	302.72	306.92	75.91	59.19	16.72	4.540		
2,400.00	2,347.52	2,409.38	2,343.16	8.08	8.38	-82.92	321.70	328.68	79.62	62.63	16.98	4.688		
2,500.00	2,444.36	2,509.25	2,438.76	8.24	8.56	-80.52	340.69	350.45	83.48	66.20	17.27	4.832		
2,600.00	2,541.20	2,609.12	2,534.36	8.40	8.75	-78.34	359.67	372.21	87.47	69.88	17.59	4.972		
2,700.00	2,638.03	2,708.99	2,629.96	8.59	8.96	-76.35	378.66	393.98	91.58	73.64	17.93	5.106		
2,800.00	2,734.87	2,808.85	2,725.56	8.78	9.18	-74.53	397.65	415.74	95.78	77.48	18.30	5.233		
2,900.00	2,831.71	2,908.72	2,821.16	8.99	9.42	-72.87	416.63	437.50	100.08	81.39	18.70	5.353		
3,000.00	2,928.54	3,008.59	2,916.76	9.21	9.68	-71.35	435.62	459.27	104.45	85.34	19.11	5.466		
3,100.00	3,025.38	3,108.45	3,012.36	9.45	9.94	-69.95	454.60	481.03	108.90	89.35	19.55	5.570		
3,200.00	3,122.22	3,208.32	3,107.96	9.69	10.22	-68.66	473.59	502.80	113.40	93.39	20.01	5.668		
3,300.00	3,219.05	3,308.19	3,203.56	9.94	10.50	-67.47	492.58	524.56	117.95	97.46	20.49	5.757		
3,400.00	3,315.89	3,408.06	3,299.16	10.20	10.80	-66.36	511.56	546.33	122.55	101.57	20.98	5.841		
3,500.00	3,412.73	3,507.92	3,394.76	10.48	11.10	-65.34	530.55	568.09	127.19	105.70	21.50	5.917		
3,600.00	3,509.56	3,607.79	3,490.36	10.75	11.41	-64.39	549.53	589.85	131.87	109.85	22.03	5.987		
3,700.00	3,606.40	3,707.66	3,585.96	11.04	11.73	-63.51	568.52	611.62	136.59	114.02	22.57	6.052		
3,800.00	3,703.24	3,807.53	3,681.56	11.33	12.06	-62.68	587.51	633.38	141.33	118.20	23.13	6.111		
3,900.00	3,800.07	3,907.39	3,777.16	11.63	12.39	-61.91	606.49	655.15	146.11	122.41	23.70	6.165		
4,000.00	3,896.91	4,007.26	3,872.76	11.93	12.73	-61.19	625.48	676.91	150.90	126.62	24.28	6.214		
4,100.00	3,993.75	4,107.13	3,968.36	12.24	13.07	-60.51	644.46	698.67	155.72	130.85	24.88	6.260		
4,200.00	4,090.58	4,207.00	4,063.95	12.55	13.42	-59.87	663.45	720.44	160.56	135.08	25.48	6.301		
4,300.00	4,187.42	4,306.86	4,159.55	12.87	13.77	-59.27	682.44	742.20	165.42	139.33	26.09	6.339		
4,400.00	4,284.26	4,406.73	4,255.15	13.19	14.13	-58.71	701.42	763.97	170.30	143.58	26.72	6.374		
4,500.00	4,381.09	4,506.60	4,350.75	13.52	14.49	-58.17	720.41	785.73	175.19	147.84	27.35	6.406		
4,600.00	4,477.93	4,606.46	4,446.35	13.85	14.86	-57.67	739.39	807.49	180.09	152.11	27.98	6.436		
4,700.00	4,574.77	4,706.33	4,541.95	14.18	15.22	-57.19	758.38	829.26	185.01	156.38	28.63	6.462		
4,800.00	4,671.60	4,806.20	4,637.55	14.52	15.59	-56.73	777.37	851.02	189.94	160.66	29.28	6.487		
4,900.00	4,768.44	4,906.07	4,733.15	14.86	15.97	-56.30	796.35	872.79	194.88	164.95	29.94	6.510		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25C-3-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.00	4,865.27	5,005.93	4,828.75	15.20	16.34	-55.89	815.34	894.55	199.84	169.24	30.60	6.530	
5,100.00	4,962.11	5,105.80	4,924.35	15.54	16.72	-55.50	834.32	916.31	204.80	173.53	31.27	6.550	
5,200.00	5,058.95	5,205.67	5,019.95	15.89	17.10	-55.13	853.31	938.08	209.77	177.83	31.94	6.567	
5,300.00	5,155.78	5,305.54	5,115.55	16.24	17.49	-54.78	872.30	959.84	214.75	182.13	32.62	6.583	
5,400.00	5,252.62	5,405.40	5,211.15	16.59	17.87	-54.44	891.28	981.61	219.74	186.43	33.30	6.598	
5,500.00	5,349.46	5,505.27	5,306.75	16.94	18.26	-54.12	910.27	1,003.37	224.73	190.74	33.99	6.612	
5,600.00	5,446.29	5,605.14	5,402.35	17.30	18.65	-53.81	929.25	1,025.14	229.73	195.05	34.68	6.624	
5,700.00	5,543.13	5,705.01	5,497.95	17.65	19.04	-53.52	948.24	1,046.90	234.74	199.37	35.37	6.636	
5,800.00	5,639.97	5,804.87	5,593.55	18.01	19.43	-53.23	967.23	1,068.66	239.76	203.68	36.07	6.647	
5,900.00	5,736.80	5,904.74	5,689.15	18.37	19.83	-52.96	986.21	1,090.43	244.77	208.00	36.77	6.657	
6,000.00	5,833.64	6,004.61	5,784.75	18.73	20.22	-52.70	1,005.20	1,112.19	249.80	212.32	37.48	6.666	
6,100.00	5,930.48	6,104.48	5,880.35	19.09	20.62	-52.45	1,024.18	1,133.96	254.83	216.65	38.18	6.674	
6,200.00	6,027.31	6,204.34	5,975.95	19.46	21.01	-52.21	1,043.17	1,155.72	259.86	220.97	38.89	6.682	
6,300.00	6,124.15	6,304.21	6,071.55	19.82	21.41	-51.98	1,062.15	1,177.48	264.90	225.30	39.60	6.689	
6,400.00	6,220.99	6,404.08	6,167.15	20.19	21.81	-51.75	1,081.14	1,199.25	269.95	229.63	40.32	6.696	
6,500.00	6,317.82	6,503.94	6,262.75	20.55	22.22	-51.54	1,100.13	1,221.01	274.99	233.96	41.03	6.702	
6,600.00	6,414.66	6,603.81	6,358.35	20.92	22.62	-51.33	1,119.11	1,242.78	280.04	238.29	41.75	6.708	
6,700.00	6,511.50	6,703.68	6,453.95	21.29	23.02	-51.13	1,138.10	1,264.54	285.10	242.63	42.47	6.713	
6,800.00	6,608.33	6,803.55	6,549.55	21.66	23.42	-50.94	1,157.08	1,286.30	290.15	246.96	43.19	6.718	
6,900.00	6,705.11	6,903.41	6,645.15	22.03	23.83	-50.49	1,176.07	1,308.07	295.20	251.28	43.92	6.721	
7,000.00	6,799.10	7,002.71	6,740.20	22.47	24.23	-49.52	1,194.95	1,329.71	300.02	255.06	44.96	6.673	
7,100.00	6,887.20	7,100.87	6,833.15	23.02	24.65	-76.45	1,213.42	1,355.06	305.67	259.30	46.37	6.592	
7,200.00	6,967.23	7,202.14	6,924.03	23.68	25.19	-82.88	1,231.55	1,395.63	312.92	264.94	47.98	6.522	
7,300.00	7,037.23	7,307.20	7,010.39	24.45	25.86	-87.87	1,248.85	1,452.68	321.47	271.75	49.71	6.467	
7,400.00	7,095.47	7,416.34	7,089.09	25.31	26.69	-91.85	1,264.70	1,526.42	330.84	279.36	51.48	6.426	
7,500.00	7,140.51	7,529.73	7,156.53	26.27	27.66	-95.01	1,278.38	1,616.35	340.48	287.27	53.21	6.399	
7,600.00	7,171.26	7,647.32	7,208.79	27.31	28.79	-97.42	1,289.12	1,720.95	349.73	294.90	54.83	6.378	
7,700.00	7,186.94	7,768.79	7,242.03	28.40	30.05	-99.09	1,296.15	1,837.39	357.97	301.62	56.35	6.352	
7,800.00	7,188.83	7,893.55	7,252.98	29.51	31.40	-99.99	1,298.81	1,961.44	364.08	306.22	57.85	6.293	
7,900.00	7,188.47	7,992.18	7,253.17	30.67	32.50	-99.97	1,299.23	2,060.07	367.78	307.64	60.14	6.115	
8,000.00	7,188.11	8,107.89	7,253.34	31.88	33.85	-99.95	1,299.66	2,160.00	371.47	308.79	62.68	5.926	
8,100.00	7,187.76	8,192.04	7,253.50	33.12	34.86	-99.94	1,300.08	2,259.93	375.16	310.23	64.94	5.777	
8,200.00	7,187.40	8,308.03	7,253.67	34.40	36.30	-99.92	1,300.51	2,359.86	378.86	311.20	67.66	5.600	
8,300.00	7,187.04	8,408.09	7,253.83	35.71	37.58	-99.90	1,300.93	2,459.79	382.55	312.31	70.25	5.446	
8,400.00	7,186.68	8,508.16	7,254.00	37.05	38.88	-99.89	1,301.36	2,559.72	386.25	313.35	72.89	5.299	
8,500.00	7,186.32	8,608.23	7,254.16	38.42	40.22	-99.87	1,301.78	2,659.65	389.94	314.34	75.60	5.158	
8,600.00	7,185.96	8,708.30	7,254.33	39.81	41.57	-99.85	1,302.21	2,759.58	393.63	315.29	78.34	5.024	
8,700.00	7,185.60	8,808.37	7,254.49	41.22	42.95	-99.84	1,302.63	2,859.51	397.33	316.19	81.14	4.897	
8,800.00	7,185.24	8,908.44	7,254.66	42.65	44.35	-99.82	1,303.06	2,959.44	401.02	317.05	83.97	4.776	
8,900.00	7,184.89	9,008.51	7,254.82	44.10	45.72	-99.81	1,303.48	3,059.37	404.71	318.13	86.59	4.674	
9,000.00	7,184.53	9,098.58	7,254.99	45.56	46.95	-99.79	1,303.90	3,159.30	408.41	318.93	89.48	4.564	
9,100.00	7,184.17	9,208.64	7,255.15	47.04	48.65	-99.78	1,304.33	3,259.23	412.10	319.45	92.65	4.448	
9,200.00	7,183.81	9,298.71	7,255.32	48.52	49.86	-99.76	1,304.75	3,359.16	415.80	320.45	95.34	4.361	
9,300.00	7,183.45	9,408.78	7,255.48	50.03	51.59	-99.75	1,305.18	3,459.09	419.49	320.92	98.57	4.256	
9,400.00	7,183.09	9,508.85	7,255.65	51.54	53.07	-99.73	1,305.60	3,559.03	423.18	321.62	101.57	4.167	
9,500.00	7,182.73	9,608.91	7,255.81	53.06	54.57	-99.72	1,306.03	3,658.96	426.88	322.30	104.58	4.082	
9,600.00	7,182.37	9,708.94	7,255.98	54.59	56.08	-99.74	1,306.45	3,758.92	429.14	321.55	107.59	3.989	
9,700.00	7,182.01	9,808.95	7,256.14	56.12	57.59	-99.81	1,306.88	3,858.92	429.09	318.49	110.60	3.880	
9,800.00	7,181.65	9,908.95	7,256.31	57.67	59.11	-99.89	1,307.30	3,958.92	428.97	315.34	113.63	3.775	
9,900.00	7,181.30	10,008.95	7,256.47	59.23	60.37	-99.96	1,307.73	4,058.92	428.85	312.45	116.39	3.684	
10,000.00	7,180.94	10,108.95	7,256.64	60.79	62.18	-100.03	1,308.16	4,158.91	428.73	309.01	119.72	3.581	
10,100.00	7,180.58	10,208.95	7,256.80	62.36	63.73	-100.11	1,308.58	4,258.91	428.61	305.83	122.78	3.491	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25C-3-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,200.00	7,180.22	10,308.95	7,256.97	63.94	65.28	-100.18	1,309.01	4,358.91	428.49	302.64	125.85	3.405		
10,300.00	7,179.86	10,408.96	7,257.13	65.52	66.84	-100.26	1,309.43	4,458.91	428.37	299.45	128.93	3.323		
10,400.00	7,179.50	10,508.96	7,257.30	67.10	68.40	-100.33	1,309.86	4,558.90	428.26	296.25	132.01	3.244		
10,500.00	7,179.14	10,608.96	7,257.46	68.69	69.97	-100.40	1,310.28	4,658.90	428.14	293.04	135.11	3.169		
10,600.00	7,178.78	10,708.96	7,257.63	70.28	71.54	-100.48	1,310.71	4,758.90	428.03	289.82	138.21	3.097		
10,700.00	7,178.42	10,808.96	7,257.79	71.87	73.12	-100.55	1,311.13	4,858.89	427.91	286.60	141.31	3.028		
10,800.00	7,178.06	10,908.96	7,257.96	73.47	74.70	-100.63	1,311.56	4,958.89	427.80	283.37	144.42	2.962		
10,900.00	7,177.70	10,991.04	7,258.12	75.08	76.00	-100.70	1,311.98	5,058.89	427.69	280.43	147.26	2.904		
11,000.00	7,177.34	11,108.97	7,258.29	76.68	77.87	-100.78	1,312.41	5,158.89	427.57	276.91	150.66	2.838		
11,100.00	7,176.99	11,208.97	7,258.45	78.29	79.46	-100.85	1,312.83	5,258.88	427.46	273.67	153.79	2.780		
11,200.00	7,176.63	11,308.97	7,258.62	79.90	81.06	-100.93	1,313.26	5,358.88	427.35	270.43	156.92	2.723		
11,300.00	7,176.27	11,408.97	7,258.78	81.51	82.66	-101.00	1,313.68	5,458.88	427.24	267.19	160.05	2.669		
11,400.00	7,175.91	11,508.97	7,258.95	83.13	84.26	-101.07	1,314.11	5,558.88	427.13	263.94	163.19	2.617		
11,500.00	7,175.55	11,591.03	7,259.11	84.74	85.57	-101.15	1,314.53	5,658.87	427.02	260.97	166.05	2.572		
11,600.00	7,175.19	11,708.98	7,259.28	86.36	87.47	-101.22	1,314.96	5,758.87	426.91	257.44	169.48	2.519		
11,700.00	7,174.83	11,808.98	7,259.44	87.98	89.07	-101.30	1,315.38	5,858.87	426.81	254.19	172.62	2.472		
11,800.00	7,174.47	11,908.98	7,259.61	89.61	90.69	-101.37	1,315.81	5,958.87	426.70	250.93	175.77	2.428		
11,900.00	7,174.11	12,008.98	7,259.77	91.23	92.30	-101.45	1,316.23	6,058.86	426.60	247.67	178.92	2.384		
12,000.00	7,173.75	12,108.98	7,259.94	92.86	93.91	-101.52	1,316.66	6,158.86	426.49	244.42	182.07	2.342		
12,100.00	7,173.39	12,208.98	7,260.10	94.49	95.53	-101.60	1,317.08	6,258.86	426.39	241.16	185.23	2.302		
12,200.00	7,173.03	12,291.01	7,260.27	96.12	96.86	-101.67	1,317.51	6,358.86	426.28	238.19	188.09	2.266		
12,300.00	7,172.68	12,408.99	7,260.43	97.75	98.77	-101.75	1,317.93	6,458.85	426.18	234.64	191.54	2.225		
12,400.00	7,172.32	12,508.99	7,260.60	99.38	100.39	-101.82	1,318.36	6,558.85	426.08	231.38	194.70	2.188		
12,500.00	7,171.96	12,608.99	7,260.76	101.01	102.02	-101.90	1,318.79	6,658.85	425.98	228.12	197.86	2.153		
12,600.00	7,171.60	12,708.99	7,260.93	102.65	103.64	-101.97	1,319.21	6,758.84	425.88	224.86	201.02	2.119		
12,700.00	7,171.24	12,808.99	7,261.09	104.28	105.27	-102.05	1,319.64	6,858.84	425.78	221.60	204.18	2.085		
12,800.00	7,170.88	12,909.00	7,261.26	105.92	106.90	-102.12	1,320.06	6,958.84	425.68	218.34	207.34	2.053		
12,900.00	7,170.52	13,009.00	7,261.42	107.56	108.53	-102.20	1,320.49	7,058.84	425.58	215.08	210.50	2.022		
13,000.00	7,170.16	13,109.00	7,261.59	109.20	110.16	-102.27	1,320.91	7,158.83	425.48	211.82	213.66	1.991		
13,100.00	7,169.80	13,209.00	7,261.75	110.84	111.79	-102.35	1,321.34	7,258.83	425.38	208.56	216.82	1.962		
13,200.00	7,169.44	13,309.00	7,261.92	112.48	113.42	-102.42	1,321.76	7,358.83	425.29	205.30	219.99	1.933		
13,300.00	7,169.08	13,409.00	7,262.08	114.12	115.06	-102.50	1,322.19	7,458.83	425.19	202.04	223.15	1.905		
13,400.00	7,168.72	13,491.00	7,262.25	115.77	116.40	-102.57	1,322.61	7,558.82	425.10	199.07	226.02	1.881		
13,500.00	7,168.37	13,590.99	7,262.41	117.41	118.03	-102.65	1,323.04	7,658.82	425.00	195.82	229.19	1.854		
13,600.00	7,168.01	13,709.01	7,262.58	119.05	119.97	-102.72	1,323.46	7,758.82	424.91	192.27	232.64	1.826		
13,700.00	7,167.65	13,809.01	7,262.74	120.70	121.61	-102.80	1,323.89	7,858.82	424.82	189.01	235.80	1.802		
13,800.00	7,167.29	13,890.99	7,262.91	122.35	122.95	-102.87	1,324.31	7,958.81	424.72	186.05	238.67	1.780		
13,900.00	7,166.93	14,009.01	7,263.07	123.99	124.89	-102.95	1,324.74	8,058.81	424.63	182.51	242.13	1.754		
14,000.00	7,166.57	14,109.01	7,263.24	125.64	126.53	-103.02	1,325.16	8,158.81	424.54	179.25	245.29	1.731		
14,100.00	7,166.21	14,209.02	7,263.40	127.29	128.17	-103.10	1,325.59	8,258.81	424.45	176.00	248.45	1.708		
14,200.00	7,165.85	14,309.02	7,263.57	128.94	129.81	-103.17	1,326.01	8,358.80	424.36	172.75	251.61	1.687		
14,300.00	7,165.49	14,390.98	7,263.73	130.59	131.16	-103.25	1,326.44	8,458.80	424.28	169.80	254.48	1.667		
14,400.00	7,165.13	14,509.02	7,263.90	132.24	133.10	-103.33	1,326.86	8,558.80	424.19	166.26	257.93	1.645		
14,500.00	7,164.77	14,609.02	7,264.06	133.89	134.74	-103.40	1,327.29	8,658.79	424.10	163.01	261.09	1.624		
14,600.00	7,164.41	14,709.02	7,264.23	135.54	136.39	-103.48	1,327.71	8,758.79	424.02	159.77	264.25	1.605		
14,700.00	7,164.06	14,809.03	7,264.40	137.19	138.03	-103.55	1,328.14	8,858.79	423.93	156.53	267.40	1.585		
14,800.00	7,163.70	14,909.03	7,264.56	138.84	139.68	-103.63	1,328.56	8,958.79	423.85	153.29	270.56	1.567		
14,900.00	7,163.34	15,009.03	7,264.73	140.49	141.33	-103.70	1,328.99	9,058.78	423.76	150.05	273.71	1.548		
15,000.00	7,162.98	15,109.03	7,264.89	142.15	142.98	-103.78	1,329.41	9,158.78	423.68	146.81	276.87	1.530		
15,100.00	7,162.62	15,209.03	7,265.06	143.80	144.63	-103.86	1,329.84	9,258.78	423.60	143.58	280.02	1.513		
15,200.00	7,162.26	15,309.03	7,265.22	145.45	146.27	-103.93	1,330.27	9,358.78	423.52	140.34	283.17	1.496 Level 3		
15,300.00	7,161.90	15,409.04	7,265.39	147.11	147.92	-104.01	1,330.69	9,458.77	423.44	137.11	286.33	1.479 Level 3		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 25C-3-L - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,400.00	7,161.54	15,509.04	7,265.55	148.76	149.57	-104.08	1,331.12	9,558.77	423.36	133.88	289.48	1.462 Level 3	
15,500.00	7,161.18	15,609.04	7,265.72	150.42	151.22	-104.16	1,331.54	9,658.77	423.28	130.65	292.62	1.446 Level 3	
15,600.00	7,160.82	15,690.96	7,265.88	152.07	152.58	-104.23	1,331.97	9,758.77	423.20	127.72	295.48	1.432 Level 3	
15,700.00	7,160.46	15,809.04	7,266.05	153.73	154.53	-104.31	1,332.39	9,858.76	423.12	124.20	298.92	1.416 Level 3	
15,800.00	7,160.10	15,909.04	7,266.21	155.38	156.18	-104.39	1,332.82	9,958.76	423.04	120.98	302.06	1.401 Level 3	
15,900.00	7,159.75	16,009.05	7,266.38	157.04	157.83	-104.46	1,333.24	10,058.76	422.97	117.76	305.21	1.386 Level 3	
16,000.00	7,159.39	16,090.95	7,266.54	158.70	159.18	-104.54	1,333.67	10,158.76	422.89	114.83	308.06	1.373 Level 3	
16,100.00	7,159.03	16,209.05	7,266.71	160.35	161.14	-104.61	1,334.09	10,258.75	422.82	111.33	311.49	1.357 Level 3	
16,200.00	7,158.67	16,309.05	7,266.87	162.01	162.79	-104.69	1,334.52	10,358.75	422.74	108.11	314.63	1.344 Level 3	
16,300.00	7,158.31	16,409.05	7,267.04	163.67	164.44	-104.77	1,334.94	10,458.75	422.67	104.90	317.77	1.330 Level 3	
16,400.00	7,157.95	16,509.05	7,267.20	165.33	166.10	-104.84	1,335.37	10,558.74	422.60	101.69	320.90	1.317 Level 3	
16,500.00	7,157.59	16,609.05	7,267.37	166.99	167.75	-104.92	1,335.79	10,658.74	422.52	98.49	324.04	1.304 Level 3	
16,600.00	7,157.23	16,709.06	7,267.53	168.64	169.41	-104.99	1,336.22	10,758.74	422.45	95.28	327.17	1.291 Level 3	
16,700.00	7,156.87	16,809.06	7,267.70	170.30	171.06	-105.07	1,336.64	10,858.74	422.38	92.08	330.30	1.279 Level 3	
16,800.00	7,156.51	16,909.06	7,267.86	171.96	172.72	-105.15	1,337.07	10,958.73	422.31	88.88	333.43	1.267 Level 3	
16,900.00	7,156.15	16,990.94	7,268.03	173.62	174.08	-105.22	1,337.49	11,058.73	422.24	85.97	336.27	1.256 Level 3	
17,000.00	7,155.79	17,109.06	7,268.19	175.28	176.03	-105.30	1,337.92	11,158.73	422.18	82.49	339.69	1.243 Level 2	
17,100.00	7,155.44	17,209.06	7,268.36	176.94	177.69	-105.38	1,338.34	11,258.73	422.11	79.29	342.81	1.231 Level 2	
17,200.00	7,155.08	17,309.07	7,268.52	178.60	179.35	-105.45	1,338.77	11,358.72	422.04	76.10	345.94	1.220 Level 2	
17,300.00	7,154.72	17,409.07	7,268.69	180.26	181.00	-105.53	1,339.19	11,458.72	421.98	72.92	349.06	1.209 Level 2	
17,400.00	7,154.36	17,490.93	7,268.85	181.92	182.36	-105.61	1,339.62	11,558.72	421.91	70.02	351.89	1.199 Level 2	
17,500.00	7,154.00	17,609.07	7,269.02	183.58	184.32	-105.68	1,340.04	11,658.72	421.85	66.55	355.30	1.187 Level 2	
17,600.00	7,153.64	17,709.07	7,269.18	185.24	185.98	-105.76	1,340.47	11,758.71	421.78	63.37	358.42	1.177 Level 2	
17,700.00	7,153.28	17,809.07	7,269.35	186.90	187.63	-105.83	1,340.89	11,858.71	421.72	60.19	361.53	1.166 Level 2	
17,800.00	7,152.92	17,909.08	7,269.51	188.56	189.29	-105.91	1,341.32	11,958.71	421.66	57.02	364.64	1.156 Level 2	
17,900.00	7,152.56	18,009.08	7,269.68	190.23	190.95	-105.99	1,341.75	12,058.70	421.60	53.84	367.75	1.146 Level 2	
18,000.00	7,152.20	18,090.92	7,269.84	191.89	192.31	-106.06	1,342.17	12,158.70	421.54	50.97	370.57	1.138 Level 2	
18,100.00	7,151.84	18,190.92	7,270.01	193.55	193.97	-106.14	1,342.60	12,258.70	421.48	47.80	373.68	1.128 Level 2	
18,156.36	7,151.64	18,247.28	7,270.10	194.48	194.90	-106.18	1,342.84	12,315.06	421.44	46.02	375.43	1.123 Level 2, SF	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25N-3A-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.00	1.00	3.28	3.28	-89.65	0.36	-59.86	59.86				
100.00	100.00	101.00	101.00	3.28	3.28	-89.65	0.36	-59.86	59.86	52.33	7.53	7.951	
200.00	200.00	201.02	201.02	3.31	3.31	-89.65	0.36	-59.86	59.86	52.28	7.57	7.903	
300.00	300.00	302.56	302.54	3.35	3.35	-144.12	1.58	-58.48	58.75	51.09	7.66	7.667	
400.00	399.94	404.02	403.85	3.42	3.42	-142.32	5.17	-54.41	57.40	49.61	7.79	7.370	
500.00	499.72	505.40	504.82	3.51	3.52	-140.07	11.13	-47.67	56.36	48.41	7.95	7.085	
600.00	599.20	606.69	605.32	3.62	3.64	-137.40	19.44	-38.26	55.69	47.52	8.17	6.816	
700.00	698.27	707.88	705.22	3.76	3.79	-134.34	30.09	-26.20	55.42	46.98	8.44	6.568	
708.60	706.77	716.58	713.78	3.77	3.81	-134.06	31.11	-25.04	55.42	46.95	8.47	6.546 CC	
800.00	796.81	808.97	804.39	3.93	3.99	-130.96	43.05	-11.53	55.62	46.85	8.78	6.338 ES	
900.00	894.69	909.96	902.72	4.15	4.23	-127.33	58.30	5.74	56.34	47.14	9.20	6.123	
1,000.00	991.81	1,010.85	1,000.06	4.41	4.53	-123.52	75.82	25.58	57.58	47.85	9.73	5.920	
1,100.00	1,088.65	1,111.32	1,096.06	4.71	4.88	-117.85	95.44	47.80	58.34	47.96	10.38	5.621	
1,200.00	1,185.48	1,211.10	1,191.10	5.04	5.27	-111.50	115.56	70.57	59.40	48.26	11.14	5.334	
1,300.00	1,282.32	1,310.88	1,286.14	5.39	5.68	-105.43	135.67	93.35	61.16	49.21	11.95	5.118	
1,400.00	1,379.16	1,410.66	1,381.18	5.76	6.12	-99.77	155.79	116.12	63.56	50.76	12.80	4.966	
1,500.00	1,475.99	1,510.44	1,476.23	6.14	6.58	-94.56	175.90	138.90	66.54	52.87	13.66	4.870	
1,600.00	1,572.83	1,610.22	1,571.27	6.54	7.04	-89.83	196.02	161.68	70.02	55.48	14.53	4.818	
1,700.00	1,669.67	1,710.00	1,666.31	6.94	7.52	-85.57	216.13	184.45	73.93	58.53	15.40	4.800	
1,800.00	1,766.50	1,809.78	1,761.35	7.36	7.99	-81.76	236.24	207.23	78.20	61.97	16.24	4.816	
1,900.00	1,863.34	1,909.56	1,856.39	7.59	8.27	-78.36	256.36	230.00	82.79	66.49	16.30	5.078	
2,000.00	1,960.18	2,009.34	1,951.43	7.65	8.33	-75.32	276.47	252.78	87.64	71.29	16.35	5.360	
2,100.00	2,057.01	2,109.12	2,046.47	7.73	8.43	-72.61	296.59	275.55	92.71	76.26	16.45	5.636	
2,200.00	2,153.85	2,208.90	2,141.51	7.83	8.56	-70.18	316.70	298.33	97.96	81.38	16.58	5.907	
2,300.00	2,250.69	2,308.69	2,236.55	7.95	8.70	-68.01	336.82	321.10	103.37	86.62	16.75	6.170	
2,400.00	2,347.52	2,408.47	2,331.59	8.08	8.86	-66.05	356.93	343.88	108.92	91.96	16.96	6.422	
2,500.00	2,444.36	2,508.25	2,426.64	8.24	9.05	-64.28	377.05	366.66	114.58	97.38	17.20	6.662	
2,600.00	2,541.20	2,608.03	2,521.68	8.40	9.25	-62.68	397.16	389.43	120.34	102.86	17.47	6.886	
2,700.00	2,638.03	2,707.81	2,616.72	8.59	9.47	-61.23	417.28	412.21	126.18	108.40	17.78	7.096	
2,800.00	2,734.87	2,807.59	2,711.76	8.78	9.70	-59.91	437.39	434.98	132.10	113.98	18.12	7.291	
2,900.00	2,831.71	2,907.37	2,806.80	8.99	9.94	-58.70	457.51	457.76	138.08	119.59	18.49	7.470	
3,000.00	2,928.54	3,007.15	2,901.84	9.21	10.20	-57.59	477.62	480.53	144.12	125.24	18.88	7.634	
3,100.00	3,025.38	3,106.93	2,996.88	9.45	10.47	-56.57	497.74	503.31	150.20	130.91	19.30	7.784	
3,200.00	3,122.22	3,206.71	3,091.92	9.69	10.76	-55.63	517.85	526.09	156.34	136.60	19.74	7.920	
3,300.00	3,219.05	3,306.49	3,186.96	9.94	11.05	-54.76	537.96	548.86	162.51	142.30	20.20	8.043	
3,400.00	3,315.89	3,406.27	3,282.00	10.20	11.36	-53.96	558.08	571.64	168.71	148.02	20.69	8.155	
3,500.00	3,412.73	3,506.05	3,377.05	10.48	11.67	-53.21	578.19	594.41	174.94	153.75	21.19	8.255	
3,600.00	3,509.56	3,605.83	3,472.09	10.75	11.99	-52.51	598.31	617.19	181.21	159.50	21.71	8.346	
3,700.00	3,606.40	3,705.61	3,567.13	11.04	12.32	-51.86	618.42	639.96	187.49	165.25	22.25	8.428	
3,800.00	3,703.24	3,805.39	3,662.17	11.33	12.65	-51.26	638.54	662.74	193.80	171.01	22.80	8.501	
3,900.00	3,800.07	3,905.17	3,757.21	11.63	12.99	-50.69	658.65	685.51	200.13	176.77	23.36	8.566	
4,000.00	3,896.91	4,004.95	3,852.25	11.93	13.34	-50.15	678.77	708.29	206.48	182.54	23.94	8.625	
4,100.00	3,993.75	4,104.73	3,947.29	12.24	13.69	-49.65	698.88	731.07	212.85	188.32	24.53	8.678	
4,200.00	4,090.58	4,204.51	4,042.33	12.55	14.05	-49.18	719.00	753.84	219.23	194.10	25.13	8.724	
4,300.00	4,187.42	4,304.29	4,137.37	12.87	14.41	-48.73	739.11	776.62	225.62	199.89	25.74	8.766	
4,400.00	4,284.26	4,404.07	4,232.41	13.19	14.78	-48.31	759.23	799.39	232.03	205.68	26.36	8.804	
4,500.00	4,381.09	4,503.85	4,327.46	13.52	15.15	-47.91	779.34	822.17	238.45	211.47	26.98	8.837	
4,600.00	4,477.93	4,603.63	4,422.50	13.85	15.53	-47.53	799.45	844.94	244.88	217.27	27.62	8.867	
4,700.00	4,574.77	4,703.41	4,517.54	14.18	15.91	-47.18	819.57	867.72	251.32	223.06	28.26	8.894	
4,800.00	4,671.60	4,803.19	4,612.58	14.52	16.29	-46.83	839.68	890.49	257.77	228.87	28.91	8.917	
4,900.00	4,768.44	4,902.97	4,707.62	14.86	16.67	-46.51	859.80	913.27	264.23	234.67	29.56	8.938	
5,000.00	4,865.27	5,002.75	4,802.66	15.20	17.06	-46.20	879.91	936.05	270.70	240.47	30.22	8.957	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25N-3A-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,962.11	5,102.54	4,897.70	15.54	17.45	-45.91	900.03	958.82	277.17	246.28	30.89	8.973		
5,200.00	5,058.95	5,202.32	4,992.74	15.89	17.84	-45.63	920.14	981.60	283.65	252.09	31.56	8.987		
5,300.00	5,155.78	5,302.10	5,087.78	16.24	18.24	-45.36	940.26	1,004.37	290.14	257.90	32.24	9.000		
5,400.00	5,252.62	5,401.88	5,182.82	16.59	18.63	-45.10	960.37	1,027.15	296.63	263.72	32.92	9.011		
5,500.00	5,349.46	5,501.66	5,277.87	16.94	19.03	-44.86	980.49	1,049.92	303.13	269.53	33.60	9.021		
5,600.00	5,446.29	5,601.44	5,372.91	17.30	19.43	-44.62	1,000.60	1,072.70	309.64	275.35	34.29	9.030		
5,700.00	5,543.13	5,701.22	5,467.95	17.65	19.84	-44.40	1,020.72	1,095.48	316.15	281.16	34.98	9.037		
5,800.00	5,639.97	5,801.00	5,562.99	18.01	20.24	-44.18	1,040.83	1,118.25	322.66	286.98	35.68	9.044		
5,900.00	5,736.80	5,900.78	5,658.03	18.37	20.65	-43.97	1,060.95	1,141.03	329.18	292.80	36.38	9.049		
6,000.00	5,833.64	6,000.56	5,753.07	18.73	21.05	-43.77	1,081.06	1,163.80	335.70	298.62	37.08	9.054		
6,100.00	5,930.48	6,100.34	5,848.11	19.09	21.46	-43.58	1,101.17	1,186.58	342.23	304.44	37.78	9.057		
6,200.00	6,027.31	6,200.12	5,943.15	19.46	21.87	-43.40	1,121.29	1,209.35	348.76	310.27	38.49	9.061		
6,300.00	6,124.15	6,300.10	6,038.19	19.82	22.28	-43.22	1,141.40	1,232.13	355.29	316.09	39.20	9.063		
6,400.00	6,220.99	6,400.32	6,133.23	20.19	22.70	-43.05	1,161.52	1,254.90	361.83	321.91	39.92	9.065		
6,500.00	6,317.82	6,500.54	6,228.28	20.55	23.11	-42.88	1,181.63	1,277.68	368.37	327.74	40.63	9.066		
6,600.00	6,414.66	6,600.76	6,323.32	20.92	23.53	-42.72	1,201.75	1,300.46	374.91	333.56	41.35	9.067		
6,700.00	6,511.50	6,700.98	6,418.36	21.29	23.95	-42.57	1,221.86	1,323.23	381.46	339.39	42.07	9.067		
6,800.00	6,608.33	6,796.07	6,510.70	21.66	24.35	-42.37	1,241.41	1,345.75	388.09	345.33	42.76	9.076		
6,900.00	6,705.11	6,883.45	6,591.42	22.03	24.77	-44.59	1,258.54	1,374.33	396.84	353.57	43.27	9.172		
7,000.00	6,799.10	6,968.76	6,665.78	22.47	25.26	-53.69	1,274.38	1,412.87	406.82	362.97	43.85	9.278		
7,100.00	6,887.20	7,052.76	6,733.43	23.02	25.82	-57.11	1,288.86	1,460.40	416.68	372.05	44.64	9.335		
7,200.00	6,967.23	7,135.75	6,793.67	23.68	26.44	-58.51	1,301.82	1,515.90	426.03	380.38	45.65	9.333		
7,300.00	7,037.23	7,217.99	6,845.90	24.45	27.13	-59.12	1,313.13	1,578.35	434.51	387.62	46.88	9.268		
7,400.00	7,095.47	7,300.00	6,889.70	25.31	27.87	-59.46	1,322.69	1,646.95	441.84	393.47	48.37	9.135		
7,500.00	7,140.51	7,381.30	6,924.25	26.27	28.67	-59.76	1,330.34	1,720.08	447.82	397.70	50.12	8.935		
7,600.00	7,171.26	7,462.85	6,949.45	27.31	29.51	-60.14	1,336.03	1,797.37	452.32	400.20	52.12	8.678		
7,700.00	7,186.94	7,544.66	6,964.82	28.40	30.39	-60.66	1,339.68	1,877.58	455.27	400.91	54.37	8.374		
7,800.00	7,188.83	7,630.09	6,970.00	29.51	31.32	-61.24	1,341.19	1,959.39	457.25	400.47	56.79	8.052		
7,900.00	7,188.47	7,726.63	6,969.76	30.67	32.41	-61.48	1,341.64	2,059.32	460.44	401.39	59.05	7.798		
8,000.00	7,188.11	7,826.56	6,969.52	31.88	33.57	-61.71	1,342.10	2,159.25	463.63	402.22	61.42	7.549		
8,100.00	7,187.76	7,926.49	6,969.28	33.12	34.77	-61.93	1,342.56	2,259.18	466.83	402.97	63.86	7.310		
8,200.00	7,187.40	8,026.43	6,969.03	34.40	36.01	-62.16	1,343.02	2,359.11	470.04	403.68	66.36	7.083		
8,300.00	7,187.04	8,126.36	6,968.79	35.71	37.28	-62.38	1,343.48	2,459.04	473.25	404.33	68.92	6.866		
8,400.00	7,186.68	8,226.29	6,968.55	37.05	38.59	-62.60	1,343.94	2,558.97	476.48	404.94	71.54	6.661		
8,500.00	7,186.32	8,326.22	6,968.31	38.42	39.91	-62.81	1,344.40	2,658.90	479.70	405.51	74.20	6.465		
8,600.00	7,185.96	8,426.15	6,968.06	39.81	41.27	-63.02	1,344.86	2,758.83	482.94	406.04	76.90	6.280		
8,700.00	7,185.60	8,526.09	6,967.82	41.22	42.64	-63.23	1,345.32	2,858.76	486.18	406.54	79.64	6.105		
8,800.00	7,185.24	8,626.02	6,967.58	42.65	44.04	-63.44	1,345.77	2,958.69	489.43	407.01	82.42	5.938		
8,900.00	7,184.89	8,725.95	6,967.33	44.10	45.46	-63.64	1,346.23	3,058.62	492.68	407.45	85.23	5.781		
9,000.00	7,184.53	8,825.88	6,967.09	45.56	46.89	-63.85	1,346.69	3,158.55	495.94	407.88	88.07	5.631		
9,100.00	7,184.17	8,925.81	6,966.85	47.04	48.33	-64.04	1,347.15	3,258.48	499.21	408.28	90.94	5.490		
9,200.00	7,183.81	9,025.74	6,966.61	48.52	49.79	-64.24	1,347.61	3,358.41	502.48	408.65	93.83	5.355		
9,300.00	7,183.45	9,125.68	6,966.36	50.03	51.27	-64.43	1,348.07	3,458.34	505.76	409.02	96.74	5.228		
9,400.00	7,183.09	9,225.61	6,966.12	51.54	52.75	-64.62	1,348.53	3,558.27	509.04	409.36	99.68	5.107		
9,500.00	7,182.73	9,325.54	6,965.88	53.06	54.25	-64.81	1,348.99	3,658.21	512.33	409.69	102.64	4.992		
9,600.00	7,182.37	9,425.51	6,965.64	54.59	55.75	-64.95	1,349.45	3,758.17	514.31	408.73	105.58	4.871		
9,700.00	7,182.01	9,525.51	6,965.39	56.12	57.27	-64.96	1,349.91	3,858.17	514.16	405.68	108.48	4.740		
9,800.00	7,181.65	9,625.51	6,965.15	57.67	58.79	-64.96	1,350.36	3,958.17	513.95	402.55	111.40	4.614		
9,900.00	7,181.30	9,725.51	6,964.91	59.23	60.32	-64.97	1,350.82	4,058.17	513.74	399.41	114.33	4.493		
10,000.00	7,180.94	9,825.51	6,964.67	60.79	61.86	-64.97	1,351.28	4,158.17	513.53	396.25	117.27	4.379		
10,100.00	7,180.58	9,925.51	6,964.42	62.36	63.41	-64.97	1,351.74	4,258.17	513.32	393.09	120.23	4.270		
10,200.00	7,180.22	10,025.51	6,964.18	63.94	64.96	-64.98	1,352.20	4,358.16	513.10	389.92	123.19	4.165		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25N-3A-L - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,179.86	10,125.51	6,963.94	65.52	66.52	-64.98	1,352.66	4,458.16	512.89	386.73	126.16	4.065		
10,400.00	7,179.50	10,225.51	6,963.69	67.10	68.08	-64.98	1,353.12	4,558.16	512.68	383.54	129.14	3.970		
10,500.00	7,179.14	10,325.51	6,963.45	68.69	69.65	-64.99	1,353.58	4,658.16	512.47	380.35	132.12	3.879		
10,600.00	7,178.78	10,425.51	6,963.21	70.28	71.22	-64.99	1,354.04	4,758.16	512.26	377.14	135.11	3.791		
10,700.00	7,178.42	10,525.51	6,962.97	71.87	72.80	-64.99	1,354.50	4,858.16	512.04	373.93	138.11	3.707		
10,800.00	7,178.06	10,625.51	6,962.72	73.47	74.38	-65.00	1,354.96	4,958.16	511.83	370.71	141.12	3.627		
10,900.00	7,177.70	10,725.51	6,962.48	75.08	75.96	-65.00	1,355.42	5,058.15	511.62	367.49	144.13	3.550		
11,000.00	7,177.34	10,825.51	6,962.24	76.68	77.55	-65.00	1,355.87	5,158.15	511.41	364.26	147.15	3.476		
11,100.00	7,176.99	10,925.51	6,961.99	78.29	79.14	-65.01	1,356.33	5,258.15	511.20	361.03	150.17	3.404		
11,200.00	7,176.63	11,025.51	6,961.75	79.90	80.74	-65.01	1,356.79	5,358.15	510.98	357.79	153.19	3.336		
11,300.00	7,176.27	11,125.51	6,961.51	81.51	82.34	-65.01	1,357.25	5,458.15	510.77	354.55	156.22	3.269		
11,400.00	7,175.91	11,225.51	6,961.27	83.13	83.94	-65.02	1,357.71	5,558.15	510.56	351.30	159.26	3.206		
11,500.00	7,175.55	11,325.50	6,961.02	84.74	85.54	-65.02	1,358.17	5,658.14	510.35	348.05	162.30	3.144		
11,600.00	7,175.19	11,425.50	6,960.78	86.36	87.15	-65.02	1,358.63	5,758.14	510.14	344.79	165.34	3.085		
11,700.00	7,174.83	11,525.50	6,960.54	87.98	88.76	-65.03	1,359.09	5,858.14	509.92	341.53	168.39	3.028		
11,800.00	7,174.47	11,625.50	6,960.30	89.61	90.37	-65.03	1,359.55	5,958.14	509.71	338.27	171.44	2.973		
11,900.00	7,174.11	11,725.50	6,960.05	91.23	91.98	-65.03	1,360.01	6,058.14	509.50	335.01	174.49	2.920		
12,000.00	7,173.75	11,825.50	6,959.81	92.86	93.60	-65.04	1,360.47	6,158.14	509.29	331.74	177.55	2.868		
12,100.00	7,173.39	11,925.50	6,959.57	94.49	95.22	-65.04	1,360.93	6,258.13	509.08	328.47	180.61	2.819		
12,200.00	7,173.03	12,025.50	6,959.32	96.12	96.84	-65.04	1,361.39	6,358.13	508.86	325.19	183.67	2.771		
12,300.00	7,172.68	12,125.50	6,959.08	97.75	98.46	-65.05	1,361.84	6,458.13	508.65	321.92	186.74	2.724		
12,400.00	7,172.32	12,225.50	6,958.84	99.38	100.08	-65.05	1,362.30	6,558.13	508.44	318.64	189.80	2.679		
12,500.00	7,171.96	12,325.50	6,958.60	101.01	101.70	-65.05	1,362.76	6,658.13	508.23	315.35	192.87	2.635		
12,600.00	7,171.60	12,425.50	6,958.35	102.65	103.33	-65.06	1,363.22	6,758.13	508.02	312.07	195.95	2.593		
12,700.00	7,171.24	12,525.50	6,958.11	104.28	104.96	-65.06	1,363.68	6,858.13	507.80	308.78	199.02	2.552		
12,800.00	7,170.88	12,625.50	6,957.87	105.92	106.59	-65.06	1,364.14	6,958.12	507.59	305.49	202.10	2.512		
12,900.00	7,170.52	12,725.50	6,957.63	107.56	108.22	-65.07	1,364.60	7,058.12	507.38	302.20	205.18	2.473		
13,000.00	7,170.16	12,825.50	6,957.38	109.20	109.85	-65.07	1,365.06	7,158.12	507.17	298.91	208.26	2.435		
13,100.00	7,169.80	12,925.50	6,957.14	110.84	111.48	-65.07	1,365.52	7,258.12	506.96	295.62	211.34	2.399		
13,200.00	7,169.44	13,025.50	6,956.90	112.48	113.11	-65.08	1,365.98	7,358.12	506.74	292.32	214.42	2.363		
13,300.00	7,169.08	13,125.50	6,956.65	114.12	114.75	-65.08	1,366.44	7,458.12	506.53	289.02	217.51	2.329		
13,400.00	7,168.72	13,225.50	6,956.41	115.77	116.38	-65.08	1,366.90	7,558.11	506.32	285.72	220.60	2.295		
13,500.00	7,168.37	13,325.50	6,956.17	117.41	118.02	-65.09	1,367.36	7,658.11	506.11	282.42	223.69	2.263		
13,600.00	7,168.01	13,425.50	6,955.93	119.05	119.66	-65.09	1,367.81	7,758.11	505.90	279.12	226.78	2.231		
13,700.00	7,167.65	13,525.50	6,955.68	120.70	121.30	-65.09	1,368.27	7,858.11	505.68	275.81	229.87	2.200		
13,800.00	7,167.29	13,625.50	6,955.44	122.35	122.94	-65.10	1,368.73	7,958.11	505.47	272.51	232.96	2.170		
13,900.00	7,166.93	13,725.50	6,955.20	123.99	124.58	-65.10	1,369.19	8,058.11	505.26	269.20	236.06	2.140		
14,000.00	7,166.57	13,825.50	6,954.95	125.64	126.22	-65.10	1,369.65	8,158.10	505.05	265.89	239.15	2.112		
14,100.00	7,166.21	13,925.50	6,954.71	127.29	127.86	-65.11	1,370.11	8,258.10	504.84	262.58	242.25	2.084		
14,200.00	7,165.85	14,025.50	6,954.47	128.94	129.50	-65.11	1,370.57	8,358.10	504.62	259.27	245.35	2.057		
14,300.00	7,165.49	14,125.50	6,954.23	130.59	131.15	-65.11	1,371.03	8,458.10	504.41	255.96	248.45	2.030		
14,400.00	7,165.13	14,225.50	6,953.98	132.24	132.79	-65.12	1,371.49	8,558.10	504.20	252.65	251.55	2.004		
14,500.00	7,164.77	14,325.50	6,953.74	133.89	134.44	-65.12	1,371.95	8,658.10	503.99	249.33	254.66	1.979		
14,600.00	7,164.41	14,425.50	6,953.50	135.54	136.08	-65.12	1,372.41	8,758.10	503.78	246.02	257.76	1.954		
14,700.00	7,164.06	14,525.50	6,953.26	137.19	137.73	-65.13	1,372.87	8,858.09	503.56	242.70	260.86	1.930		
14,800.00	7,163.70	14,625.50	6,953.01	138.84	139.37	-65.13	1,373.32	8,958.09	503.35	239.38	263.97	1.907		
14,900.00	7,163.34	14,725.50	6,952.77	140.49	141.02	-65.13	1,373.78	9,058.09	503.14	236.07	267.08	1.884		
15,000.00	7,162.98	14,825.50	6,952.53	142.15	142.67	-65.14	1,374.24	9,158.09	502.93	232.75	270.18	1.861		
15,100.00	7,162.62	14,925.50	6,952.28	143.80	144.32	-65.14	1,374.70	9,258.09	502.72	229.43	273.29	1.839		
15,200.00	7,162.26	15,025.50	6,952.04	145.45	145.97	-65.14	1,375.16	9,358.09	502.51	226.10	276.40	1.818		
15,300.00	7,161.90	15,125.50	6,951.80	147.11	147.62	-65.15	1,375.62	9,458.08	502.29	222.78	279.51	1.797		
15,400.00	7,161.54	15,225.50	6,951.56	148.76	149.27	-65.15	1,376.08	9,558.08	502.08	219.46	282.62	1.777		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 25N-3A-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,161.18	15,325.50	6,951.31	150.42	150.92	-65.16	1,376.54	9,658.08	501.87	216.14	285.73	1.756		
15,600.00	7,160.82	15,425.50	6,951.07	152.07	152.57	-65.16	1,377.00	9,758.08	501.66	212.81	288.85	1.737		
15,700.00	7,160.46	15,525.50	6,950.83	153.73	154.22	-65.16	1,377.46	9,858.08	501.45	209.49	291.96	1.718		
15,800.00	7,160.10	15,625.50	6,950.58	155.38	155.87	-65.17	1,377.92	9,958.08	501.23	206.16	295.07	1.699		
15,900.00	7,159.75	15,725.49	6,950.34	157.04	157.53	-65.17	1,378.38	10,058.07	501.02	202.83	298.19	1.680		
16,000.00	7,159.39	15,825.49	6,950.10	158.70	159.18	-65.17	1,378.84	10,158.07	500.81	199.51	301.30	1.662		
16,100.00	7,159.03	15,925.49	6,949.86	160.35	160.83	-65.18	1,379.29	10,258.07	500.60	196.18	304.42	1.644		
16,200.00	7,158.67	16,025.49	6,949.61	162.01	162.49	-65.18	1,379.75	10,358.07	500.39	192.85	307.54	1.627		
16,300.00	7,158.31	16,125.49	6,949.37	163.67	164.14	-65.18	1,380.21	10,458.07	500.17	189.52	310.65	1.610		
16,400.00	7,157.95	16,225.49	6,949.13	165.33	165.79	-65.19	1,380.67	10,558.07	499.96	186.19	313.77	1.593		
16,500.00	7,157.59	16,325.49	6,948.89	166.99	167.45	-65.19	1,381.13	10,658.07	499.75	182.86	316.89	1.577		
16,600.00	7,157.23	16,425.49	6,948.64	168.64	169.10	-65.19	1,381.59	10,758.06	499.54	179.53	320.01	1.561		
16,700.00	7,156.87	16,525.49	6,948.40	170.30	170.76	-65.20	1,382.05	10,858.06	499.33	176.20	323.13	1.545		
16,800.00	7,156.51	16,625.49	6,948.16	171.96	172.42	-65.20	1,382.51	10,958.06	499.11	172.86	326.25	1.530		
16,900.00	7,156.15	16,725.49	6,947.91	173.62	174.07	-65.20	1,382.97	11,058.06	498.90	169.53	329.37	1.515		
17,000.00	7,155.79	16,825.49	6,947.67	175.28	175.73	-65.21	1,383.43	11,158.06	498.69	166.20	332.50	1.500	Level 3	
17,100.00	7,155.44	16,925.49	6,947.43	176.94	177.39	-65.21	1,383.89	11,258.06	498.48	162.86	335.62	1.485	Level 3	
17,200.00	7,155.08	17,025.49	6,947.19	178.60	179.04	-65.21	1,384.35	11,358.05	498.27	159.53	338.74	1.471	Level 3	
17,300.00	7,154.72	17,125.49	6,946.94	180.26	180.70	-65.22	1,384.81	11,458.05	498.06	156.19	341.86	1.457	Level 3	
17,400.00	7,154.36	17,225.49	6,946.70	181.92	182.36	-65.22	1,385.26	11,558.05	497.84	152.86	344.99	1.443	Level 3	
17,500.00	7,154.00	17,325.49	6,946.46	183.58	184.01	-65.22	1,385.72	11,658.05	497.63	149.52	348.11	1.430	Level 3	
17,600.00	7,153.64	17,425.49	6,946.22	185.24	185.67	-65.23	1,386.18	11,758.05	497.42	146.18	351.24	1.416	Level 3	
17,700.00	7,153.28	17,525.49	6,945.97	186.90	187.33	-65.23	1,386.64	11,858.05	497.21	142.84	354.36	1.403	Level 3	
17,800.00	7,152.92	17,625.49	6,945.73	188.56	188.99	-65.24	1,387.10	11,958.04	497.00	139.51	357.49	1.390	Level 3	
17,900.00	7,152.56	17,725.49	6,945.49	190.23	190.65	-65.24	1,387.56	12,058.04	496.78	136.17	360.62	1.378	Level 3	
18,000.00	7,152.20	17,825.49	6,945.24	191.89	192.31	-65.24	1,388.02	12,158.04	496.57	132.83	363.74	1.365	Level 3	
18,100.00	7,151.84	17,926.44	6,945.00	193.55	193.98	-65.25	1,388.48	12,258.04	496.36	129.48	366.88	1.353	Level 3	
18,156.36	7,151.64	17,981.85	6,944.86	194.48	194.90	-65.25	1,388.74	12,314.40	496.24	127.61	368.63	1.346	Level 3, SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25N-3C-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.00	1.00	3.28	3.28	-89.74	0.37	-79.90	79.90				
100.00	100.00	101.00	101.00	3.28	3.28	-89.74	0.37	-79.90	79.90	72.38	7.53	10.613	
200.00	200.00	201.00	201.00	3.31	3.31	-89.74	0.37	-79.90	79.90	72.33	7.57	10.550 CC	
200.02	200.02	201.02	201.02	3.31	3.31	-89.74	0.37	-79.90	79.90	72.33	7.57	10.549	
300.00	300.00	301.73	301.73	3.35	3.35	-145.23	0.53	-79.74	79.97	72.31	7.66	10.435 ES	
400.00	399.94	403.75	403.70	3.42	3.42	-144.97	2.72	-77.50	80.37	72.58	7.79	10.316	
500.00	499.72	505.77	505.49	3.51	3.51	-144.33	7.44	-72.68	81.12	73.16	7.96	10.193	
600.00	599.20	607.78	606.96	3.62	3.63	-143.34	14.70	-65.27	82.22	74.05	8.17	10.068	
700.00	698.27	709.76	707.97	3.76	3.78	-142.04	24.48	-55.29	83.71	75.28	8.42	9.937	
800.00	796.81	811.71	808.40	3.93	3.95	-140.44	36.76	-42.74	85.60	76.87	8.73	9.800	
900.00	894.69	913.62	908.09	4.15	4.17	-138.60	51.52	-27.66	87.94	78.83	9.11	9.651	
1,000.00	991.81	1,015.49	1,006.93	4.41	4.44	-136.55	68.75	-10.07	90.72	81.15	9.57	9.481	
1,100.00	1,088.65	1,117.23	1,104.72	4.71	4.77	-133.35	88.41	10.00	92.42	82.29	10.12	9.130	
1,200.00	1,185.48	1,218.38	1,200.89	5.04	5.14	-128.42	110.31	32.37	92.64	81.84	10.80	8.577	
1,204.91	1,190.24	1,223.27	1,205.52	5.06	5.16	-128.15	111.41	33.49	92.64	81.80	10.84	8.548	
1,300.00	1,282.32	1,317.98	1,295.20	5.39	5.55	-122.93	132.71	55.24	93.03	81.44	11.59	8.027	
1,400.00	1,379.16	1,417.57	1,389.52	5.76	5.99	-117.53	155.11	78.12	94.27	81.82	12.45	7.573	
1,500.00	1,475.99	1,517.17	1,483.83	6.14	6.45	-112.31	177.51	100.99	96.33	82.97	13.35	7.214	
1,600.00	1,572.83	1,616.77	1,578.14	6.54	6.93	-107.35	199.91	123.86	99.15	84.86	14.29	6.938	
1,700.00	1,669.67	1,716.37	1,672.46	6.94	7.42	-102.69	222.31	146.74	102.68	87.44	15.24	6.736	
1,800.00	1,766.50	1,815.97	1,766.77	7.36	7.89	-98.37	244.71	169.61	106.85	90.68	16.16	6.610	
1,900.00	1,863.34	1,915.57	1,861.08	7.59	8.15	-94.39	267.11	192.48	111.57	95.28	16.29	6.849	
2,000.00	1,960.18	2,015.17	1,955.40	7.65	8.23	-90.75	289.51	215.36	116.79	100.36	16.43	7.107	
2,100.00	2,057.01	2,114.77	2,049.71	7.73	8.34	-87.43	311.91	238.23	122.45	105.85	16.60	7.376	
2,200.00	2,153.85	2,214.37	2,144.02	7.83	8.47	-84.41	334.31	261.11	128.48	111.68	16.79	7.650	
2,300.00	2,250.69	2,313.97	2,238.34	7.95	8.63	-81.67	356.71	283.98	134.83	117.81	17.02	7.923	
2,400.00	2,347.52	2,413.57	2,332.65	8.08	8.80	-79.18	379.11	306.85	141.46	124.19	17.27	8.192	
2,500.00	2,444.36	2,513.16	2,426.96	8.24	9.00	-76.91	401.51	329.73	148.34	130.79	17.55	8.453	
2,600.00	2,541.20	2,612.76	2,521.28	8.40	9.22	-74.85	423.91	352.60	155.43	137.57	17.86	8.704	
2,700.00	2,638.03	2,712.36	2,615.59	8.59	9.45	-72.97	446.31	375.48	162.70	144.50	18.20	8.941	
2,800.00	2,734.87	2,811.96	2,709.90	8.78	9.69	-71.25	468.71	398.35	170.13	151.56	18.56	9.165	
2,900.00	2,831.71	2,911.56	2,804.22	8.99	9.96	-69.68	491.11	421.22	177.70	158.74	18.95	9.375	
3,000.00	2,928.54	3,011.16	2,898.53	9.21	10.23	-68.23	513.51	444.10	185.39	166.02	19.37	9.570	
3,100.00	3,025.38	3,110.76	2,992.84	9.45	10.52	-66.91	535.91	466.97	193.19	173.37	19.81	9.751	
3,200.00	3,122.22	3,210.36	3,087.16	9.69	10.82	-65.68	558.31	489.85	201.08	180.81	20.28	9.917	
3,300.00	3,219.05	3,309.96	3,181.47	9.94	11.13	-64.55	580.70	512.72	209.06	188.30	20.76	10.070	
3,400.00	3,315.89	3,409.56	3,275.78	10.20	11.45	-63.50	603.10	535.59	217.12	195.86	21.26	10.211	
3,500.00	3,412.73	3,509.15	3,370.10	10.48	11.78	-62.53	625.50	558.47	225.24	203.46	21.79	10.339	
3,600.00	3,509.56	3,608.75	3,464.41	10.75	12.12	-61.62	647.90	581.34	233.43	211.10	22.32	10.456	
3,700.00	3,606.40	3,708.35	3,558.72	11.04	12.47	-60.78	670.30	604.22	241.66	218.78	22.88	10.563	
3,800.00	3,703.24	3,807.95	3,653.04	11.33	12.82	-59.99	692.70	627.09	249.95	226.50	23.45	10.661	
3,900.00	3,800.07	3,907.55	3,747.35	11.63	13.18	-59.25	715.10	649.96	258.28	234.25	24.03	10.750	
4,000.00	3,896.91	4,007.15	3,841.66	11.93	13.54	-58.56	737.50	672.84	266.65	242.03	24.62	10.831	
4,100.00	3,993.75	4,106.75	3,935.98	12.24	13.91	-57.91	759.90	695.71	275.05	249.83	25.22	10.904	
4,200.00	4,090.58	4,206.35	4,030.29	12.55	14.29	-57.30	782.30	718.59	283.49	257.65	25.84	10.971	
4,300.00	4,187.42	4,305.95	4,124.60	12.87	14.67	-56.72	804.70	741.46	291.96	265.50	26.46	11.032	
4,400.00	4,284.26	4,405.55	4,218.92	13.19	15.05	-56.18	827.10	764.33	300.46	273.36	27.10	11.088	
4,500.00	4,381.09	4,505.15	4,313.23	13.52	15.44	-55.67	849.50	787.21	308.98	281.24	27.74	11.138	
4,600.00	4,477.93	4,604.74	4,407.54	13.85	15.83	-55.18	871.90	810.08	317.53	289.13	28.39	11.184	
4,700.00	4,574.77	4,704.34	4,501.86	14.18	16.23	-54.72	894.30	832.96	326.09	297.04	29.05	11.226	
4,800.00	4,671.60	4,803.94	4,596.17	14.52	16.63	-54.28	916.70	855.83	334.68	304.97	29.71	11.264	
4,900.00	4,768.44	4,903.54	4,690.48	14.86	17.03	-53.87	939.10	878.70	343.28	312.90	30.38	11.299	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25N-3C-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.00	4,865.27	5,003.14	4,784.80	15.20	17.43	-53.48	961.50	901.58	351.91	320.85	31.06	11.330	
5,100.00	4,962.11	5,102.74	4,879.11	15.54	17.84	-53.10	983.90	924.45	360.54	328.80	31.74	11.359	
5,200.00	5,058.95	5,202.34	4,973.42	15.89	18.25	-52.74	1,006.30	947.33	369.20	336.77	32.43	11.386	
5,300.00	5,155.78	5,301.94	5,067.74	16.24	18.66	-52.40	1,028.70	970.20	377.86	344.74	33.12	11.410	
5,400.00	5,252.62	5,401.54	5,162.05	16.59	19.07	-52.07	1,051.10	993.07	386.54	352.73	33.81	11.431	
5,500.00	5,349.46	5,501.14	5,256.36	16.94	19.49	-51.76	1,073.50	1,015.95	395.23	360.72	34.51	11.451	
5,600.00	5,446.29	5,600.74	5,350.68	17.30	19.90	-51.46	1,095.90	1,038.82	403.93	368.72	35.22	11.470	
5,700.00	5,543.13	5,700.33	5,444.99	17.65	20.32	-51.18	1,118.30	1,061.70	412.65	376.72	35.92	11.486	
5,800.00	5,639.97	5,800.07	5,539.30	18.01	20.74	-50.90	1,140.70	1,084.57	421.37	384.73	36.64	11.502	
5,900.00	5,736.80	5,900.47	5,633.62	18.37	21.17	-50.64	1,163.10	1,107.44	430.10	392.75	37.35	11.514	
6,000.00	5,833.64	6,000.87	5,727.93	18.73	21.60	-50.39	1,185.50	1,130.32	438.84	400.77	38.07	11.526	
6,100.00	5,930.48	6,101.27	5,822.24	19.09	22.02	-50.15	1,207.90	1,153.19	447.59	408.79	38.80	11.537	
6,200.00	6,027.31	6,201.67	5,916.56	19.46	22.45	-49.91	1,230.30	1,176.07	456.34	416.82	39.52	11.547	
6,300.00	6,124.15	6,302.07	6,010.87	19.82	22.88	-49.69	1,252.70	1,198.94	465.10	424.85	40.25	11.555	
6,400.00	6,220.99	6,402.47	6,105.19	20.19	23.32	-49.47	1,275.10	1,221.81	473.87	432.89	40.98	11.563	
6,500.00	6,317.82	6,502.87	6,199.50	20.55	23.75	-49.26	1,297.50	1,244.69	482.65	440.94	41.71	11.570	
6,600.00	6,414.66	6,603.27	6,293.81	20.92	24.18	-49.06	1,319.90	1,267.56	491.43	448.98	42.45	11.577	
6,700.00	6,511.50	6,703.67	6,388.13	21.29	24.62	-48.87	1,342.29	1,290.44	500.22	457.03	43.19	11.583	
6,800.00	6,608.33	6,804.08	6,482.44	21.66	25.05	-48.68	1,364.69	1,313.31	509.01	465.09	43.93	11.588	
6,900.00	6,705.11	6,904.47	6,576.76	22.03	25.49	-52.14	1,387.10	1,336.18	517.79	473.12	44.67	11.591	
7,000.00	6,799.10	6,994.68	6,670.64	22.47	25.88	-64.01	1,409.39	1,358.95	525.80	480.20	45.60	11.530	
7,100.00	6,887.20	7,089.22	6,759.15	23.02	26.32	-70.93	1,430.44	1,384.42	533.47	486.62	46.85	11.387	
7,200.00	6,967.23	7,185.17	6,844.38	23.68	26.85	-75.47	1,450.77	1,423.31	541.74	493.40	48.33	11.208	
7,300.00	7,037.23	7,284.36	6,925.46	24.45	27.49	-78.83	1,470.21	1,476.87	550.47	500.41	50.06	10.997	
7,400.00	7,095.47	7,387.21	6,999.90	25.31	28.27	-81.49	1,488.16	1,545.36	559.43	507.46	51.97	10.764	
7,500.00	7,140.51	7,494.05	7,064.82	26.27	29.17	-83.66	1,503.93	1,628.58	568.32	514.29	54.03	10.519	
7,600.00	7,171.26	7,605.15	7,116.97	27.31	30.22	-85.44	1,516.76	1,725.67	576.77	520.62	56.15	10.272	
7,700.00	7,186.94	7,720.57	7,152.90	28.40	31.39	-86.87	1,525.83	1,834.81	584.37	526.09	58.28	10.027	
7,800.00	7,188.83	7,840.31	7,169.31	29.51	32.65	-88.00	1,530.33	1,953.16	590.50	530.15	60.35	9.784	
7,900.00	7,188.47	7,945.91	7,169.89	30.67	33.80	-88.10	1,531.03	2,058.74	594.34	531.71	62.64	9.489	
8,000.00	7,188.11	8,045.84	7,169.75	31.88	34.92	-88.14	1,531.52	2,158.67	598.06	533.01	65.05	9.194	
8,100.00	7,187.76	8,145.77	7,169.60	33.12	36.09	-88.17	1,532.02	2,258.60	601.78	534.23	67.55	8.909	
8,200.00	7,187.40	8,245.70	7,169.45	34.40	37.29	-88.20	1,532.51	2,358.53	605.50	535.39	70.11	8.636	
8,300.00	7,187.04	8,345.63	7,169.31	35.71	38.53	-88.23	1,533.01	2,458.46	609.22	536.47	72.74	8.375	
8,400.00	7,186.68	8,445.56	7,169.16	37.05	39.80	-88.26	1,533.50	2,558.39	612.94	537.51	75.43	8.126	
8,500.00	7,186.32	8,545.49	7,169.02	38.42	41.10	-88.29	1,533.99	2,658.32	616.66	538.49	78.17	7.889	
8,600.00	7,185.96	8,645.42	7,168.87	39.81	42.42	-88.32	1,534.49	2,758.25	620.38	539.42	80.95	7.663	
8,700.00	7,185.60	8,745.35	7,168.73	41.22	43.76	-88.35	1,534.98	2,858.18	624.10	540.32	83.78	7.450	
8,800.00	7,185.24	8,845.28	7,168.58	42.65	45.13	-88.38	1,535.48	2,958.10	627.82	541.18	86.64	7.246	
8,900.00	7,184.89	8,945.21	7,168.44	44.10	46.52	-88.41	1,535.97	3,058.03	631.54	542.00	89.53	7.054	
9,000.00	7,184.53	9,045.14	7,168.29	45.56	47.92	-88.44	1,536.47	3,157.96	635.26	542.80	92.46	6.871	
9,100.00	7,184.17	9,145.07	7,168.14	47.04	49.35	-88.46	1,536.96	3,257.89	638.98	543.56	95.41	6.697	
9,200.00	7,183.81	9,245.00	7,168.00	48.52	50.78	-88.49	1,537.45	3,357.82	642.70	544.31	98.39	6.532	
9,300.00	7,183.45	9,344.93	7,167.85	50.03	52.23	-88.52	1,537.95	3,457.75	646.42	545.03	101.39	6.375	
9,400.00	7,183.09	9,444.86	7,167.71	51.54	53.69	-88.55	1,538.44	3,557.68	650.14	545.73	104.41	6.227	
9,500.00	7,182.73	9,544.79	7,167.56	53.06	55.17	-88.57	1,538.94	3,657.61	653.86	546.41	107.45	6.085	
9,600.00	7,182.37	9,644.76	7,167.42	54.59	56.66	-88.61	1,539.43	3,757.57	656.13	546.62	110.51	5.937	
9,700.00	7,182.01	9,744.76	7,167.27	56.12	58.15	-88.63	1,539.93	3,857.57	656.05	547.47	113.58	5.776	
9,800.00	7,181.65	9,844.76	7,167.12	57.67	59.66	-88.64	1,540.42	3,957.57	655.90	539.23	116.67	5.622	
9,900.00	7,181.30	9,944.76	7,166.98	59.23	61.17	-88.66	1,540.92	4,057.57	655.75	535.98	119.77	5.475	
10,000.00	7,180.94	10,044.76	7,166.83	60.79	62.69	-88.68	1,541.41	4,157.57	655.60	532.72	122.89	5.335	
10,100.00	7,180.58	10,144.76	7,166.69	62.36	64.22	-88.70	1,541.90	4,257.57	655.45	529.44	126.01	5.201	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 25N-3C-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.00	7,180.22	10,244.76	7,166.54	63.94	65.76	-88.72	1,542.40	4,357.56	655.30	526.15	129.15	5.074		
10,300.00	7,179.86	10,344.76	7,166.40	65.52	67.30	-88.74	1,542.89	4,457.56	655.16	522.85	132.30	4.952		
10,400.00	7,179.50	10,444.76	7,166.25	67.10	68.85	-88.75	1,543.39	4,557.56	655.01	519.55	135.46	4.835		
10,500.00	7,179.14	10,544.76	7,166.10	68.69	70.40	-88.77	1,543.88	4,657.56	654.86	516.23	138.63	4.724		
10,600.00	7,178.78	10,644.76	7,165.96	70.28	71.96	-88.79	1,544.38	4,757.56	654.71	512.91	141.80	4.617		
10,700.00	7,178.42	10,744.76	7,165.81	71.87	73.53	-88.81	1,544.87	4,857.56	654.56	509.58	144.98	4.515		
10,800.00	7,178.06	10,844.76	7,165.67	73.47	75.10	-88.83	1,545.37	4,957.55	654.41	506.24	148.17	4.417		
10,900.00	7,177.70	10,944.76	7,165.52	75.08	76.67	-88.85	1,545.86	5,057.55	654.26	502.89	151.37	4.322		
11,000.00	7,177.34	11,044.76	7,165.38	76.68	78.25	-88.86	1,546.36	5,157.55	654.11	499.54	154.57	4.232		
11,100.00	7,176.99	11,144.76	7,165.23	78.29	79.83	-88.88	1,546.85	5,257.55	653.97	496.19	157.78	4.145		
11,200.00	7,176.63	11,244.75	7,165.08	79.90	81.41	-88.90	1,547.35	5,357.55	653.82	492.82	160.99	4.061		
11,300.00	7,176.27	11,344.75	7,164.94	81.51	83.00	-88.92	1,547.84	5,457.55	653.67	489.46	164.21	3.981		
11,400.00	7,175.91	11,444.75	7,164.79	83.13	84.59	-88.94	1,548.33	5,557.54	653.52	486.09	167.44	3.903		
11,500.00	7,175.55	11,544.75	7,164.65	84.74	86.19	-88.96	1,548.83	5,657.54	653.37	482.71	170.66	3.828		
11,600.00	7,175.19	11,644.75	7,164.50	86.36	87.79	-88.98	1,549.32	5,757.54	653.23	479.33	173.90	3.756		
11,700.00	7,174.83	11,744.75	7,164.36	87.98	89.39	-88.99	1,549.82	5,857.54	653.08	475.95	177.13	3.687		
11,800.00	7,174.47	11,844.75	7,164.21	89.61	90.99	-89.01	1,550.31	5,957.54	652.93	472.56	180.37	3.620		
11,900.00	7,174.11	11,944.75	7,164.06	91.23	92.59	-89.03	1,550.81	6,057.54	652.78	469.17	183.62	3.555		
12,000.00	7,173.75	12,044.75	7,163.92	92.86	94.20	-89.05	1,551.30	6,157.53	652.63	465.77	186.86	3.493		
12,100.00	7,173.39	12,144.75	7,163.77	94.49	95.81	-89.07	1,551.80	6,257.53	652.49	462.37	190.11	3.432		
12,200.00	7,173.03	12,244.75	7,163.63	96.12	97.42	-89.09	1,552.29	6,357.53	652.34	458.97	193.37	3.374		
12,300.00	7,172.68	12,344.75	7,163.48	97.75	99.04	-89.10	1,552.79	6,457.53	652.19	455.57	196.62	3.317		
12,400.00	7,172.32	12,444.75	7,163.33	99.38	100.65	-89.12	1,553.28	6,557.53	652.04	452.16	199.88	3.262		
12,500.00	7,171.96	12,544.75	7,163.19	101.01	102.27	-89.14	1,553.78	6,657.53	651.90	448.75	203.15	3.209		
12,600.00	7,171.60	12,644.75	7,163.04	102.65	103.89	-89.16	1,554.27	6,757.52	651.75	445.34	206.41	3.158		
12,700.00	7,171.24	12,744.75	7,162.90	104.28	105.51	-89.18	1,554.77	6,857.52	651.60	441.92	209.68	3.108		
12,800.00	7,170.88	12,844.75	7,162.75	105.92	107.13	-89.20	1,555.26	6,957.52	651.45	438.51	212.95	3.059		
12,900.00	7,170.52	12,944.75	7,162.61	107.56	108.76	-89.22	1,555.75	7,057.52	651.31	435.09	216.22	3.012		
13,000.00	7,170.16	13,044.75	7,162.46	109.20	110.38	-89.23	1,556.25	7,157.52	651.16	431.67	219.49	2.967		
13,100.00	7,169.80	13,144.75	7,162.31	110.84	112.01	-89.25	1,556.74	7,257.52	651.01	428.24	222.77	2.922		
13,200.00	7,169.44	13,244.75	7,162.17	112.48	113.64	-89.27	1,557.24	7,357.51	650.87	424.82	226.05	2.879		
13,300.00	7,169.08	13,344.75	7,162.02	114.12	115.26	-89.29	1,557.73	7,457.51	650.72	421.39	229.33	2.838		
13,400.00	7,168.72	13,444.75	7,161.88	115.77	116.90	-89.31	1,558.23	7,557.51	650.57	417.97	232.61	2.797		
13,500.00	7,168.37	13,544.75	7,161.73	117.41	118.53	-89.33	1,558.72	7,657.51	650.43	414.54	235.89	2.757		
13,600.00	7,168.01	13,644.75	7,161.59	119.05	120.16	-89.35	1,559.22	7,757.51	650.28	411.10	239.17	2.719		
13,700.00	7,167.65	13,744.75	7,161.44	120.70	121.79	-89.37	1,559.71	7,857.51	650.13	407.67	242.46	2.681		
13,800.00	7,167.29	13,844.75	7,161.29	122.35	123.43	-89.38	1,560.21	7,957.50	649.99	404.24	245.75	2.645		
13,900.00	7,166.93	13,944.75	7,161.15	123.99	125.06	-89.40	1,560.70	8,057.50	649.84	400.80	249.04	2.609		
14,000.00	7,166.57	14,044.75	7,161.00	125.64	126.70	-89.42	1,561.20	8,157.50	649.69	397.37	252.33	2.575		
14,100.00	7,166.21	14,144.75	7,160.86	127.29	128.34	-89.44	1,561.69	8,257.50	649.55	393.93	255.62	2.541		
14,200.00	7,165.85	14,244.75	7,160.71	128.94	129.98	-89.46	1,562.18	8,357.50	649.40	390.49	258.91	2.508		
14,300.00	7,165.49	14,344.74	7,160.57	130.59	131.62	-89.48	1,562.68	8,457.50	649.25	387.05	262.21	2.476		
14,400.00	7,165.13	14,444.74	7,160.42	132.24	133.26	-89.50	1,563.17	8,557.49	649.11	383.61	265.50	2.445		
14,500.00	7,164.77	14,544.74	7,160.27	133.89	134.90	-89.51	1,563.67	8,657.49	648.96	380.16	268.80	2.414		
14,600.00	7,164.41	14,644.74	7,160.13	135.54	136.54	-89.53	1,564.16	8,757.49	648.82	376.72	272.09	2.385		
14,700.00	7,164.06	14,744.74	7,159.98	137.19	138.18	-89.55	1,564.66	8,857.49	648.67	373.28	275.39	2.355		
14,800.00	7,163.70	14,844.74	7,159.84	138.84	139.83	-89.57	1,565.15	8,957.49	648.52	369.83	278.69	2.327		
14,900.00	7,163.34	14,944.74	7,159.69	140.49	141.47	-89.59	1,565.65	9,057.49	648.38	366.39	281.99	2.299		
15,000.00	7,162.98	15,044.74	7,159.55	142.15	143.11	-89.61	1,566.14	9,157.48	648.23	362.94	285.29	2.272		
15,100.00	7,162.62	15,144.74	7,159.40	143.80	144.76	-89.63	1,566.64	9,257.48	648.09	359.49	288.60	2.246		
15,200.00	7,162.26	15,244.74	7,159.25	145.45	146.40	-89.65	1,567.13	9,357.48	647.94	356.04	291.90	2.220		
15,300.00	7,161.90	15,344.74	7,159.11	147.11	148.05	-89.66	1,567.63	9,457.48	647.80	352.59	295.20	2.194		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 25N-3C-L - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,400.00	7,161.54	15,444.74	7,158.96	148.76	149.70	-89.68	1,568.12	9,557.48	647.65	349.14	298.51	2.170	
15,500.00	7,161.18	15,544.74	7,158.82	150.42	151.35	-89.70	1,568.61	9,657.48	647.50	345.69	301.81	2.145	
15,600.00	7,160.82	15,644.74	7,158.67	152.07	152.99	-89.72	1,569.11	9,757.47	647.36	342.24	305.12	2.122	
15,700.00	7,160.46	15,744.74	7,158.53	153.73	154.64	-89.74	1,569.60	9,857.47	647.21	338.79	308.43	2.098	
15,800.00	7,160.10	15,844.74	7,158.38	155.38	156.29	-89.76	1,570.10	9,957.47	647.07	335.33	311.73	2.076	
15,900.00	7,159.75	15,944.74	7,158.23	157.04	157.94	-89.78	1,570.59	10,057.47	646.92	331.88	315.04	2.053	
16,000.00	7,159.39	16,044.74	7,158.09	158.70	159.59	-89.80	1,571.09	10,157.47	646.78	328.43	318.35	2.032	
16,100.00	7,159.03	16,144.74	7,157.94	160.35	161.24	-89.82	1,571.58	10,257.47	646.63	324.97	321.66	2.010	
16,200.00	7,158.67	16,244.74	7,157.80	162.01	162.89	-89.83	1,572.08	10,357.46	646.49	321.52	324.97	1.989	
16,300.00	7,158.31	16,344.74	7,157.65	163.67	164.54	-89.85	1,572.57	10,457.46	646.34	318.06	328.28	1.969	
16,400.00	7,157.95	16,444.74	7,157.51	165.33	166.19	-89.87	1,573.07	10,557.46	646.20	314.61	331.59	1.949	
16,500.00	7,157.59	16,544.74	7,157.36	166.99	167.85	-89.89	1,573.56	10,657.46	646.06	311.15	334.91	1.929	
16,600.00	7,157.23	16,644.74	7,157.21	168.64	169.50	-89.91	1,574.06	10,757.46	645.91	307.69	338.22	1.910	
16,700.00	7,156.87	16,744.74	7,157.07	170.30	171.15	-89.93	1,574.55	10,857.46	645.77	304.24	341.53	1.891	
16,800.00	7,156.51	16,844.74	7,156.92	171.96	172.81	-89.95	1,575.05	10,957.46	645.62	300.78	344.84	1.872	
16,900.00	7,156.15	16,944.74	7,156.78	173.62	174.46	-89.97	1,575.54	11,057.45	645.48	297.32	348.16	1.854	
17,000.00	7,155.79	17,044.74	7,156.63	175.28	176.11	-89.99	1,576.03	11,157.45	645.33	293.86	351.47	1.836	
17,100.00	7,155.44	17,144.74	7,156.48	176.94	177.77	-90.00	1,576.53	11,257.45	645.19	290.40	354.79	1.819	
17,200.00	7,155.08	17,244.74	7,156.34	178.60	179.42	-90.02	1,577.02	11,357.45	645.04	286.94	358.10	1.801	
17,300.00	7,154.72	17,344.73	7,156.19	180.26	181.08	-90.04	1,577.52	11,457.45	644.90	283.48	361.42	1.784	
17,400.00	7,154.36	17,444.73	7,156.05	181.92	182.73	-90.06	1,578.01	11,557.45	644.76	280.02	364.73	1.768	
17,500.00	7,154.00	17,544.73	7,155.90	183.58	184.39	-90.08	1,578.51	11,657.44	644.61	276.56	368.05	1.751	
17,600.00	7,153.64	17,644.73	7,155.76	185.24	186.04	-90.10	1,579.00	11,757.44	644.47	273.10	371.37	1.735	
17,700.00	7,153.28	17,744.73	7,155.61	186.90	187.70	-90.12	1,579.50	11,857.44	644.32	269.64	374.68	1.720	
17,800.00	7,152.92	17,844.73	7,155.46	188.56	189.36	-90.14	1,579.99	11,957.44	644.18	266.18	378.00	1.704	
17,900.00	7,152.56	17,944.73	7,155.32	190.23	191.01	-90.16	1,580.49	12,057.44	644.04	262.72	381.32	1.689	
18,000.00	7,152.20	18,044.73	7,155.17	191.89	192.67	-90.18	1,580.98	12,157.44	643.89	259.26	384.64	1.674	
18,100.00	7,151.84	18,144.73	7,155.03	193.55	194.33	-90.19	1,581.48	12,257.43	643.75	255.79	387.96	1.659	
18,156.36	7,151.64	18,201.09	7,154.95	194.48	195.26	-90.21	1,581.75	12,313.80	643.67	253.84	389.83	1.651 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 32C-6-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	90.24	-5.43	1,319.66	1,319.67				
100.00	100.00	100.00	100.00	3.28	3.28	90.24	-5.43	1,319.66	1,319.67	1,312.14	7.53	175.282	
200.00	200.00	200.00	200.00	3.31	3.31	90.24	-5.43	1,319.66	1,319.67	1,312.10	7.57	174.240	
300.00	300.00	300.00	300.00	3.35	3.35	34.75	-5.43	1,319.66	1,319.44	1,311.78	7.66	172.174	
400.00	399.94	376.65	376.64	3.42	3.40	34.79	-4.66	1,320.34	1,317.75	1,309.97	7.78	169.482	
500.00	499.72	453.33	453.26	3.51	3.46	34.85	-2.36	1,322.39	1,314.95	1,307.03	7.92	166.059	
600.00	599.20	530.04	529.79	3.62	3.54	34.92	1.47	1,325.80	1,311.06	1,302.97	8.09	161.987	
700.00	698.27	606.78	606.19	3.76	3.63	35.00	6.83	1,330.57	1,306.08	1,297.78	8.30	157.315	
800.00	796.81	683.56	682.42	3.93	3.73	35.10	13.73	1,336.70	1,300.01	1,291.46	8.55	152.076	
900.00	894.69	760.39	758.41	4.15	3.85	35.20	22.15	1,344.19	1,292.85	1,284.02	8.84	146.323	
1,000.00	991.81	837.27	834.13	4.41	3.99	35.31	32.11	1,353.04	1,284.66	1,275.49	9.17	140.119	
1,100.00	1,088.65	914.31	909.62	4.71	4.15	35.28	43.60	1,363.26	1,277.26	1,267.72	9.54	133.920	
1,200.00	1,185.48	991.48	984.79	5.04	4.33	35.19	56.63	1,374.85	1,271.63	1,261.68	9.95	127.849	
1,300.00	1,282.32	1,086.02	1,076.46	5.39	4.60	35.02	73.91	1,390.21	1,267.27	1,256.82	10.45	121.318	
1,400.00	1,379.16	1,185.84	1,173.23	5.76	4.90	34.83	92.19	1,406.48	1,262.96	1,251.96	11.00	114.822	
1,500.00	1,475.99	1,285.66	1,270.01	6.14	5.23	34.64	110.48	1,422.74	1,258.68	1,247.09	11.58	108.664	
1,600.00	1,572.83	1,385.49	1,366.78	6.54	5.57	34.45	128.76	1,439.00	1,254.40	1,242.21	12.19	102.884	
1,700.00	1,669.67	1,485.31	1,463.56	6.94	5.94	34.26	147.05	1,455.26	1,250.14	1,237.32	12.82	97.508	
1,800.00	1,766.50	1,585.13	1,560.33	7.36	6.31	34.06	165.33	1,471.52	1,245.89	1,232.42	13.47	92.498	
1,900.00	1,863.34	1,684.95	1,657.11	7.59	6.70	33.87	183.62	1,487.78	1,241.66	1,227.89	13.77	90.182	
2,000.00	1,960.18	1,784.77	1,753.88	7.65	7.09	33.67	201.90	1,504.04	1,237.44	1,223.31	14.14	87.528	
2,100.00	2,057.01	1,884.59	1,850.66	7.73	7.34	33.48	220.19	1,520.30	1,233.24	1,219.02	14.22	86.712	
2,200.00	2,153.85	1,984.41	1,947.44	7.83	7.42	33.28	238.47	1,536.57	1,229.05	1,214.70	14.35	85.658	
2,300.00	2,250.69	2,084.23	2,044.21	7.95	7.50	33.08	256.76	1,552.83	1,224.88	1,210.39	14.48	84.564	
2,400.00	2,347.52	2,184.05	2,140.99	8.08	7.59	32.88	275.04	1,569.09	1,220.72	1,206.06	14.66	83.293	
2,500.00	2,444.36	2,283.88	2,237.76	8.24	7.71	32.67	293.33	1,585.35	1,216.58	1,201.72	14.86	81.869	
2,600.00	2,541.20	2,383.70	2,334.54	8.40	7.84	32.47	311.61	1,601.61	1,212.45	1,197.35	15.10	80.313	
2,700.00	2,638.03	2,483.52	2,431.31	8.59	7.98	32.26	329.90	1,617.87	1,208.34	1,192.97	15.36	78.651	
2,800.00	2,734.87	2,583.34	2,528.09	8.78	8.14	32.06	348.18	1,634.13	1,204.24	1,188.58	15.66	76.906	
2,900.00	2,831.71	2,683.16	2,624.86	8.99	8.32	31.85	366.47	1,650.39	1,200.16	1,184.18	15.98	75.099	
3,000.00	2,928.54	2,782.98	2,721.64	9.21	8.51	31.64	384.76	1,666.66	1,196.09	1,179.77	16.33	73.252	
3,100.00	3,025.38	2,882.80	2,818.41	9.45	8.71	31.43	403.04	1,682.92	1,192.04	1,175.35	16.70	71.381	
3,200.00	3,122.22	2,982.62	2,915.19	9.69	8.93	31.22	421.33	1,699.18	1,188.01	1,170.92	17.09	69.504	
3,300.00	3,219.05	3,082.44	3,011.96	9.94	9.15	31.00	439.61	1,715.44	1,184.00	1,166.49	17.51	67.634	
3,400.00	3,315.89	3,182.26	3,108.74	10.20	9.39	30.79	457.90	1,731.70	1,180.00	1,162.06	17.94	65.783	
3,500.00	3,412.73	3,282.09	3,205.51	10.48	9.64	30.57	476.18	1,747.96	1,176.01	1,157.63	18.39	63.958	
3,600.00	3,509.56	3,381.91	3,302.29	10.75	9.89	30.35	494.47	1,764.22	1,172.05	1,153.20	18.85	62.170	
3,700.00	3,606.40	3,481.73	3,399.06	11.04	10.16	30.13	512.75	1,780.48	1,168.10	1,148.77	19.33	60.422	
3,800.00	3,703.24	3,581.55	3,495.84	11.33	10.43	29.91	531.04	1,796.74	1,164.17	1,144.34	19.83	58.719	
3,900.00	3,800.07	3,681.37	3,592.62	11.63	10.71	29.69	549.32	1,813.01	1,160.25	1,139.92	20.33	57.065	
4,000.00	3,896.91	3,781.19	3,689.39	11.93	10.99	29.46	567.61	1,829.27	1,156.36	1,135.51	20.85	55.462	
4,100.00	3,993.75	3,881.01	3,786.17	12.24	11.28	29.24	585.89	1,845.53	1,152.48	1,131.10	21.38	53.910	
4,200.00	4,090.58	3,980.83	3,882.94	12.55	11.58	29.01	604.18	1,861.79	1,148.62	1,126.70	21.92	52.411	
4,300.00	4,187.42	4,080.65	3,979.72	12.87	11.88	28.78	622.46	1,878.05	1,144.78	1,122.32	22.46	50.964	
4,400.00	4,284.26	4,180.48	4,076.49	13.19	12.18	28.55	640.75	1,894.31	1,140.95	1,117.94	23.02	49.569	
4,500.00	4,381.09	4,280.30	4,173.27	13.52	12.49	28.32	659.03	1,910.57	1,137.15	1,113.57	23.58	48.224	
4,600.00	4,477.93	4,380.12	4,270.04	13.85	12.81	28.08	677.32	1,926.83	1,133.36	1,109.21	24.15	46.930	
4,700.00	4,574.77	4,479.94	4,366.82	14.18	13.13	27.85	695.60	1,943.10	1,129.60	1,104.87	24.73	45.684	
4,800.00	4,671.60	4,579.76	4,463.59	14.52	13.45	27.61	713.89	1,959.36	1,125.85	1,100.54	25.31	44.485	
4,900.00	4,768.44	4,679.58	4,560.37	14.86	13.78	27.37	732.18	1,975.62	1,122.12	1,096.22	25.90	43.332	
5,000.00	4,865.27	4,779.40	4,657.14	15.20	14.10	27.13	750.46	1,991.88	1,118.41	1,091.92	26.49	42.222	
5,100.00	4,962.11	4,879.22	4,753.92	15.54	14.43	26.89	768.75	2,008.14	1,114.72	1,087.63	27.09	41.155	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 32C-6-M - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,058.95	4,979.04	4,850.69	15.89	14.77	26.65	787.03	2,024.40	1,111.05	1,083.36	27.69	40.128		
5,300.00	5,155.78	5,078.86	4,947.47	16.24	15.10	26.41	805.32	2,040.66	1,107.40	1,079.11	28.29	39.140		
5,400.00	5,252.62	5,178.69	5,044.25	16.59	15.44	26.16	823.60	2,056.92	1,103.77	1,074.87	28.90	38.189		
5,500.00	5,349.46	5,278.51	5,141.02	16.94	15.78	25.91	841.89	2,073.19	1,100.16	1,070.65	29.52	37.273		
5,600.00	5,446.29	5,378.33	5,237.80	17.30	16.13	25.66	860.17	2,089.45	1,096.58	1,066.44	30.13	36.392		
5,700.00	5,543.13	5,478.15	5,334.57	17.65	16.47	25.41	878.46	2,105.71	1,093.01	1,062.26	30.75	35.543		
5,800.00	5,639.97	5,577.97	5,431.35	18.01	16.82	25.16	896.74	2,121.97	1,089.46	1,058.09	31.37	34.726		
5,900.00	5,736.80	5,677.79	5,528.12	18.37	17.17	24.90	915.03	2,138.23	1,085.94	1,053.94	32.00	33.938		
6,000.00	5,833.64	5,777.61	5,624.90	18.73	17.52	24.65	933.31	2,154.49	1,082.44	1,049.81	32.62	33.179		
6,100.00	5,930.48	5,877.43	5,721.67	19.09	17.87	24.39	951.60	2,170.75	1,078.96	1,045.70	33.25	32.446		
6,200.00	6,027.31	5,977.25	5,818.45	19.46	18.22	24.13	969.88	2,187.01	1,075.50	1,041.61	33.88	31.740		
6,300.00	6,124.15	6,077.08	5,915.22	19.82	18.57	23.87	988.17	2,203.28	1,072.06	1,037.54	34.52	31.058		
6,400.00	6,220.99	6,176.90	6,012.00	20.19	18.93	23.61	1,006.45	2,219.54	1,068.65	1,033.49	35.15	30.400		
6,500.00	6,317.82	6,264.96	7,216.39	20.55	24.35	-91.73	1,244.71	1,192.88	989.29	958.18	31.12	31.792		
6,600.00	6,414.66	8,242.48	7,216.85	20.92	24.14	-88.77	1,244.60	1,215.35	896.19	864.71	31.48	28.464		
6,700.00	6,511.50	8,220.00	7,217.31	21.29	23.94	-85.60	1,244.49	1,237.83	804.12	772.17	31.95	25.171		
6,800.00	6,608.33	8,197.52	7,217.77	21.66	23.73	-82.19	1,244.38	1,260.30	713.47	680.92	32.55	21.920		
6,900.00	6,705.11	8,174.74	7,218.24	22.03	23.54	-85.08	1,244.27	1,283.07	624.93	591.56	33.37	18.725		
7,000.00	6,799.10	8,141.80	7,218.91	22.47	23.26	-103.31	1,244.12	1,316.01	542.21	507.74	34.47	15.729		
7,100.00	6,887.20	8,105.48	7,219.89	23.02	22.95	-110.94	1,243.89	1,363.28	469.22	433.22	35.99	13.037		
7,200.00	6,967.23	8,034.06	7,221.13	23.68	22.40	-113.06	1,243.60	1,423.73	408.66	370.79	37.87	10.792		
7,300.00	7,037.23	7,961.90	7,222.61	24.45	21.90	-111.78	1,243.26	1,495.86	362.42	322.26	40.16	9.024		
7,400.00	7,095.47	7,879.84	7,224.29	25.31	21.44	-108.39	1,242.86	1,577.91	330.82	288.28	42.55	7.776		
7,500.00	7,140.51	7,787.99	7,226.12	26.27	21.14	-104.04	1,242.41	1,669.74	312.18	267.53	44.65	6.992		
7,600.00	7,171.26	7,674.02	7,216.95	27.31	21.12	-97.60	1,239.68	1,783.15	299.98	253.66	46.31	6.477		
7,700.00	7,186.94	7,568.79	7,190.98	28.40	21.21	-90.52	1,233.85	1,884.84	291.65	243.53	48.12	6.061		
7,800.00	7,188.83	7,471.51	7,152.64	29.51	21.31	-82.78	1,225.78	1,973.77	288.06	238.28	49.79	5.786		
7,814.33	7,188.78	7,458.55	7,146.53	29.68	21.32	-81.56	1,224.52	1,985.14	287.99	237.97	50.02	5.758 CC, ES		
7,900.00	7,188.47	7,386.91	7,108.79	30.67	21.39	-74.05	1,216.80	2,045.50	291.37	240.23	51.13	5.698 SF		
8,000.00	7,188.11	7,315.61	7,064.85	31.88	21.43	-65.58	1,207.96	2,100.90	306.69	255.05	51.63	5.940		
8,100.00	7,187.76	7,256.12	7,023.71	33.12	21.46	-58.19	1,199.76	2,143.05	336.81	285.61	51.20	6.579		
8,200.00	7,187.40	7,206.53	6,986.58	34.40	21.47	-52.11	1,192.41	2,175.07	381.28	331.08	50.21	7.594		
8,300.00	7,187.04	7,165.04	6,953.71	35.71	21.47	-47.23	1,185.94	2,199.52	437.77	388.68	49.09	8.918		
8,400.00	7,186.68	7,130.10	6,924.86	37.05	21.47	-43.33	1,180.28	2,218.40	503.52	455.44	48.08	10.472		
8,500.00	7,186.32	7,100.00	6,899.22	38.42	21.46	-40.17	1,175.27	2,233.34	576.23	528.98	47.26	12.194		
8,600.00	7,185.96	7,075.03	6,877.44	39.81	21.45	-37.69	1,171.02	2,244.79	654.12	607.50	46.62	14.030		
8,700.00	7,185.60	7,050.00	6,855.18	41.22	21.43	-35.33	1,166.69	2,255.38	735.94	689.87	46.07	15.973		
8,800.00	7,185.24	7,034.03	6,840.77	42.65	21.42	-33.90	1,163.89	2,261.67	820.72	774.96	45.75	17.937		
8,900.00	7,184.89	7,017.31	6,825.52	44.10	21.40	-32.47	1,160.93	2,267.86	907.84	862.37	45.47	19.968		
9,000.00	7,184.53	7,000.00	6,809.57	45.56	21.39	-31.04	1,157.85	2,273.83	996.81	951.60	45.20	22.051		
9,100.00	7,184.17	7,000.00	6,809.57	47.04	21.39	-31.04	1,157.85	2,273.83	1,087.37	1,042.16	45.22	24.047		
9,200.00	7,183.81	6,977.75	6,788.84	48.52	21.36	-29.30	1,153.84	2,280.86	1,178.88	1,133.94	44.94	26.233		
9,300.00	7,183.45	6,967.24	6,778.97	50.03	21.35	-28.51	1,151.93	2,283.92	1,271.51	1,226.68	44.84	28.358		
9,400.00	7,183.09	6,950.00	6,762.68	51.54	21.33	-27.26	1,148.79	2,288.58	1,365.04	1,320.37	44.67	30.557		
9,500.00	7,182.73	6,950.00	6,762.68	53.06	21.33	-27.26	1,148.79	2,288.58	1,459.12	1,414.41	44.72	32.629		
9,600.00	7,182.37	6,950.00	6,762.68	54.59	21.33	-31.90	1,148.79	2,288.58	1,553.73	1,508.99	44.74	34.725		
9,700.00	7,182.01	6,950.00	6,762.68	56.12	21.33	-32.88	1,148.79	2,288.58	1,648.61	1,603.87	44.74	36.845		
9,800.00	7,181.65	6,928.03	6,741.74	57.67	21.30	-31.26	1,144.76	2,293.87	1,743.54	1,699.01	44.54	39.149		
9,900.00	7,181.30	6,922.15	6,736.10	59.23	21.29	-30.84	1,143.67	2,295.16	1,839.17	1,794.67	44.50	41.328		
10,000.00	7,180.94	6,900.00	6,714.78	60.79	21.26	-29.31	1,139.57	2,299.54	1,935.46	1,891.14	44.32	43.666		
10,100.00	7,180.58	6,900.00	6,714.78	62.36	21.26	-29.31	1,139.57	2,299.54	2,031.65	1,987.29	44.36	45.795		
10,200.00	7,180.22	6,900.00	6,714.78	63.94	21.26	-29.31	1,139.57	2,299.54	2,128.19	2,083.79	44.41	47.926		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-05 VOLT 19-5 PAD - VOLT 32C-6-M - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,179.86	6,900.00	6,714.78	65.52	21.26	-29.31	1,139.57	2,299.54	2,225.04	2,180.59	44.45	50.056	
10,400.00	7,179.50	6,900.00	6,714.78	67.10	21.26	-29.31	1,139.57	2,299.54	2,322.15	2,277.65	44.50	52.184	
10,500.00	7,179.14	6,900.00	6,714.78	68.69	21.26	-29.31	1,139.57	2,299.54	2,419.50	2,374.95	44.55	54.310	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 32N-6A-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	1.00	-1.00	3.28	3.28	90.22	-5.07	1,299.62	1,299.63				
100.00	100.00	101.00	99.00	3.28	3.28	90.22	-5.07	1,299.62	1,299.63	1,292.10	7.53	172.617	
200.00	200.00	201.00	199.00	3.31	3.31	90.22	-5.07	1,299.62	1,299.63	1,292.05	7.57	171.585	
300.00	300.00	282.05	282.05	3.35	3.34	34.71	-4.64	1,299.99	1,299.88	1,292.23	7.65	169.855	
400.00	399.94	359.14	359.09	3.42	3.39	34.69	-2.70	1,301.68	1,299.48	1,291.72	7.76	167.450	
500.00	499.72	436.21	436.02	3.51	3.45	34.68	0.80	1,304.73	1,297.98	1,290.08	7.90	164.295	
600.00	599.20	513.29	512.80	3.62	3.53	34.68	5.85	1,309.15	1,295.37	1,287.30	8.07	160.451	
700.00	698.27	590.37	589.38	3.76	3.62	34.69	12.46	1,314.92	1,291.66	1,283.37	8.28	155.961	
800.00	796.81	667.45	665.69	3.93	3.72	34.72	20.62	1,322.04	1,286.84	1,278.31	8.53	150.861	
900.00	894.69	744.55	741.71	4.15	3.85	34.75	30.33	1,330.51	1,280.93	1,272.11	8.82	145.223	
1,000.00	991.81	821.67	817.36	4.41	4.00	34.78	41.58	1,340.33	1,273.96	1,264.81	9.16	139.106	
1,100.00	1,088.65	900.00	893.77	4.71	4.18	34.70	54.57	1,351.67	1,267.80	1,258.26	9.54	132.922	
1,200.00	1,185.48	976.12	967.55	5.04	4.38	34.54	68.69	1,364.00	1,263.42	1,253.47	9.95	126.940	
1,300.00	1,282.32	1,074.93	1,062.94	5.39	4.67	34.30	88.07	1,380.91	1,260.03	1,249.54	10.48	120.202	
1,400.00	1,379.16	1,174.72	1,159.29	5.76	5.00	34.04	107.64	1,398.00	1,256.66	1,245.61	11.05	113.712	
1,500.00	1,475.99	1,274.51	1,255.64	6.14	5.36	33.79	127.21	1,415.08	1,253.32	1,241.67	11.65	107.579	
1,600.00	1,572.83	1,374.30	1,351.99	6.54	5.73	33.54	146.79	1,432.16	1,250.00	1,237.73	12.27	101.847	
1,700.00	1,669.67	1,474.09	1,448.34	6.94	6.11	33.28	166.36	1,449.25	1,246.71	1,233.79	12.92	96.523	
1,800.00	1,766.50	1,573.88	1,544.69	7.36	6.51	33.02	185.93	1,466.33	1,243.44	1,229.86	13.58	91.585	
1,900.00	1,863.34	1,673.67	1,641.04	7.59	6.92	32.77	205.50	1,483.41	1,240.20	1,226.31	13.89	89.301	
2,000.00	1,960.18	1,773.46	1,737.39	7.65	7.34	32.51	225.07	1,500.50	1,236.98	1,222.71	14.27	86.685	
2,100.00	2,057.01	1,873.25	1,833.74	7.73	7.63	32.25	244.64	1,517.58	1,233.79	1,219.41	14.38	85.800	
2,200.00	2,153.85	1,973.04	1,930.09	7.83	7.74	31.98	264.22	1,534.67	1,230.62	1,216.10	14.52	84.735	
2,300.00	2,250.69	2,072.83	2,026.44	7.95	7.81	31.72	283.79	1,551.75	1,227.48	1,212.82	14.66	83.751	
2,400.00	2,347.52	2,172.62	2,122.78	8.08	7.91	31.45	303.36	1,568.83	1,224.37	1,209.54	14.82	82.592	
2,500.00	2,444.36	2,272.41	2,219.13	8.24	8.03	31.19	322.93	1,585.92	1,221.28	1,206.25	15.03	81.277	
2,600.00	2,541.20	2,372.20	2,315.48	8.40	8.16	30.92	342.50	1,603.00	1,218.22	1,202.96	15.26	79.830	
2,700.00	2,638.03	2,471.99	2,411.83	8.59	8.31	30.65	362.07	1,620.08	1,215.18	1,199.66	15.52	78.273	
2,800.00	2,734.87	2,571.78	2,508.18	8.78	8.48	30.38	381.65	1,637.17	1,212.18	1,196.36	15.82	76.630	
2,900.00	2,831.71	2,671.57	2,604.53	8.99	8.66	30.11	401.22	1,654.25	1,209.20	1,193.06	16.14	74.922	
3,000.00	2,928.54	2,771.36	2,700.88	9.21	8.86	29.84	420.79	1,671.34	1,206.24	1,189.76	16.49	73.169	
3,100.00	3,025.38	2,871.15	2,797.23	9.45	9.07	29.56	440.36	1,688.42	1,203.32	1,186.46	16.86	71.390	
3,200.00	3,122.22	2,970.94	2,893.58	9.69	9.29	29.29	459.93	1,705.50	1,200.42	1,183.17	17.25	69.598	
3,300.00	3,219.05	3,070.73	2,989.93	9.94	9.52	29.01	479.50	1,722.59	1,197.55	1,179.89	17.66	67.810	
3,400.00	3,315.89	3,170.52	3,086.28	10.20	9.77	28.73	499.08	1,739.67	1,194.71	1,176.62	18.09	66.035	
3,500.00	3,412.73	3,270.31	3,182.63	10.48	10.02	28.45	518.65	1,756.75	1,191.90	1,173.36	18.54	64.284	
3,600.00	3,509.56	3,370.10	3,278.98	10.75	10.29	28.17	538.22	1,773.84	1,189.12	1,170.11	19.01	62.564	
3,700.00	3,606.40	3,469.89	3,375.32	11.04	10.56	27.89	557.79	1,790.92	1,186.36	1,166.87	19.49	60.881	
3,800.00	3,703.24	3,569.68	3,471.67	11.33	10.84	27.60	577.36	1,808.01	1,183.63	1,163.65	19.98	59.240	
3,900.00	3,800.07	3,669.47	3,568.02	11.63	11.12	27.32	596.94	1,825.09	1,180.94	1,160.45	20.49	57.644	
4,000.00	3,896.91	3,769.26	3,664.37	11.93	11.42	27.03	616.51	1,842.17	1,178.27	1,157.27	21.00	56.095	
4,100.00	3,993.75	3,869.05	3,760.72	12.24	11.72	26.75	636.08	1,859.26	1,175.63	1,154.10	21.53	54.595	
4,200.00	4,090.58	3,968.84	3,857.07	12.55	12.02	26.46	655.65	1,876.34	1,173.02	1,150.95	22.07	53.145	
4,300.00	4,187.42	4,068.63	3,953.42	12.87	12.33	26.17	675.22	1,893.42	1,170.45	1,147.83	22.62	51.744	
4,400.00	4,284.26	4,168.42	4,049.77	13.19	12.65	25.88	694.79	1,910.51	1,167.90	1,144.72	23.18	50.393	
4,500.00	4,381.09	4,268.21	4,146.12	13.52	12.97	25.58	714.37	1,927.59	1,165.38	1,141.64	23.74	49.090	
4,600.00	4,477.93	4,368.00	4,242.47	13.85	13.29	25.29	733.94	1,944.68	1,162.89	1,138.58	24.31	47.836	
4,700.00	4,574.77	4,467.79	4,338.82	14.18	13.62	24.99	753.51	1,961.76	1,160.44	1,135.55	24.89	46.627	
4,800.00	4,671.60	4,567.58	4,435.17	14.52	13.96	24.70	773.08	1,978.84	1,158.01	1,132.54	25.47	45.464	
4,900.00	4,768.44	4,667.37	4,531.51	14.86	14.29	24.40	792.65	1,995.93	1,155.62	1,129.56	26.06	44.345	
5,000.00	4,865.27	4,767.16	4,627.86	15.20	14.63	24.10	812.22	2,013.01	1,153.26	1,126.60	26.65	43.268	
5,100.00	4,962.11	4,866.95	4,724.21	15.54	14.97	23.80	831.80	2,030.09	1,150.93	1,123.67	27.25	42.232	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 32N-6A-M - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,058.95	4,966.74	4,820.56	15.89	15.32	23.50	851.37	2,047.18	1,148.63	1,120.77	27.86	41.235		
5,300.00	5,155.78	5,066.53	4,916.91	16.24	15.66	23.20	870.94	2,064.26	1,146.36	1,117.90	28.46	40.275		
5,400.00	5,252.62	5,166.32	5,013.26	16.59	16.01	22.89	890.51	2,081.35	1,144.12	1,115.05	29.07	39.352		
5,500.00	5,349.46	5,266.11	5,109.61	16.94	16.36	22.59	910.08	2,098.43	1,141.92	1,112.23	29.69	38.463		
5,600.00	5,446.29	5,365.90	5,205.96	17.30	16.72	22.28	929.65	2,115.51	1,139.75	1,109.45	30.31	37.607		
5,700.00	5,543.13	5,465.69	5,302.31	17.65	17.07	21.98	949.23	2,132.60	1,137.61	1,106.69	30.93	36.783		
5,800.00	5,639.97	5,565.48	5,398.66	18.01	17.43	21.67	968.80	2,149.68	1,135.51	1,103.96	31.55	35.989		
5,900.00	5,736.80	5,665.27	5,495.01	18.37	17.79	21.36	988.37	2,166.76	1,133.44	1,101.26	32.18	35.224		
6,000.00	5,833.64	5,765.06	5,591.36	18.73	18.15	21.05	1,007.94	2,183.85	1,131.40	1,098.59	32.81	34.487		
6,100.00	5,930.48	5,864.85	5,687.70	19.09	18.51	20.74	1,027.51	2,200.93	1,129.40	1,095.96	33.44	33.776		
6,200.00	6,027.31	6,082.05	6,943.85	19.46	24.68	-86.99	1,285.01	1,121.40	1,043.46	1,012.75	30.71	33.974		
6,300.00	6,124.15	6,058.86	6,944.47	19.82	24.45	-84.35	1,285.09	1,144.58	952.70	921.54	31.16	30.578		
6,400.00	6,220.99	6,035.67	6,945.08	20.19	24.23	-81.55	1,285.18	1,167.76	863.35	831.63	31.71	27.224		
6,500.00	6,317.82	6,012.48	6,945.70	20.55	24.00	-78.62	1,285.26	1,190.94	775.91	743.48	32.43	23.925		
6,600.00	6,414.66	7,989.30	6,946.32	20.92	23.78	-75.54	1,285.35	1,214.12	691.10	657.71	33.39	20.701		
6,700.00	6,511.50	7,966.11	6,946.94	21.29	23.57	-72.33	1,285.43	1,237.30	610.02	575.35	34.67	17.593		
6,800.00	6,608.33	7,942.92	6,947.55	21.66	23.36	-69.00	1,285.51	1,260.48	534.38	497.98	36.40	14.679		
6,900.00	6,705.11	7,919.44	6,948.18	22.03	23.15	-70.69	1,285.60	1,283.95	466.88	428.21	38.67	12.073		
7,000.00	6,799.10	7,895.81	6,949.08	22.47	22.86	-83.06	1,285.72	1,317.56	413.28	371.95	41.33	10.000		
7,100.00	6,887.20	7,837.90	6,950.35	23.02	22.47	-85.47	1,285.90	1,365.46	378.34	334.45	43.88	8.621		
7,200.00	6,967.23	7,776.87	6,951.98	23.68	22.00	-82.41	1,286.12	1,426.47	363.00	317.33	45.67	7.948		
7,240.95	6,997.21	7,748.43	6,952.74	23.99	21.80	-80.17	1,286.22	1,454.90	361.74	315.63	46.12	7.844 CC, ES		
7,300.00	7,037.23	7,704.23	6,953.91	24.45	21.50	-76.35	1,286.38	1,499.09	363.97	317.55	46.42	7.841 SF		
7,400.00	7,095.47	7,621.76	6,956.11	25.31	21.07	-69.42	1,286.68	1,581.52	374.99	328.52	46.47	8.070		
7,500.00	7,140.51	7,534.33	6,958.23	26.27	20.90	-63.47	1,286.96	1,668.92	389.51	343.20	46.31	8.412		
7,600.00	7,171.26	7,456.72	6,953.69	27.31	20.91	-58.82	1,285.89	1,746.35	405.16	358.89	46.28	8.755		
7,700.00	7,186.94	7,381.42	6,940.50	28.40	20.98	-54.62	1,283.08	1,820.38	421.33	374.99	46.34	9.092		
7,800.00	7,188.83	7,308.36	6,919.61	29.51	21.06	-51.37	1,278.70	1,890.22	437.74	391.21	46.53	9.408		
7,900.00	7,188.47	7,240.44	6,893.27	30.67	21.14	-48.46	1,273.23	1,952.55	459.91	413.31	46.60	9.870		
8,000.00	7,188.11	7,178.85	6,863.88	31.88	21.20	-45.38	1,267.16	2,006.30	489.65	443.14	46.51	10.528		
8,100.00	7,187.76	7,123.75	6,833.39	33.12	21.25	-42.40	1,260.87	2,051.73	527.28	480.97	46.31	11.386		
8,200.00	7,187.40	7,074.86	6,803.19	34.40	21.28	-39.65	1,254.66	2,089.67	572.65	526.59	46.06	12.434		
8,300.00	7,187.04	7,031.68	6,774.21	35.71	21.31	-37.19	1,248.71	2,121.12	625.17	579.39	45.79	13.654		
8,400.00	7,186.68	7,000.00	6,751.67	37.05	21.32	-35.40	1,244.08	2,142.87	684.14	638.48	45.66	14.984		
8,500.00	7,186.32	6,959.96	6,721.69	38.42	21.33	-33.17	1,237.94	2,168.69	748.54	703.22	45.31	16.519		
8,600.00	7,185.96	6,930.22	6,698.43	39.81	21.33	-31.55	1,233.17	2,186.60	817.72	772.59	45.13	18.120		
8,700.00	7,185.60	6,900.00	6,673.98	41.22	21.33	-29.95	1,228.17	2,203.63	890.92	846.01	44.92	19.835		
8,800.00	7,185.24	6,880.36	6,657.68	42.65	21.33	-28.93	1,224.83	2,214.06	967.46	922.60	44.86	21.568		
8,900.00	7,184.89	6,850.00	6,631.88	44.10	21.32	-27.41	1,219.56	2,229.16	1,046.96	1,002.33	44.63	23.460		
9,000.00	7,184.53	6,850.00	6,631.88	45.56	21.32	-27.41	1,219.56	2,229.16	1,128.75	1,083.94	44.81	25.190		
9,100.00	7,184.17	6,823.60	6,608.89	47.04	21.30	-26.13	1,214.86	2,241.26	1,212.47	1,167.84	44.63	27.169		
9,200.00	7,183.81	6,800.00	6,587.94	48.52	21.29	-25.02	1,210.58	2,251.24	1,298.11	1,253.62	44.49	29.179		
9,300.00	7,183.45	6,800.00	6,587.94	50.03	21.29	-25.02	1,210.58	2,251.24	1,385.12	1,340.50	44.62	31.043		
9,400.00	7,183.09	6,781.70	6,571.45	51.54	21.28	-24.19	1,207.21	2,258.43	1,473.40	1,428.87	44.54	33.083		
9,500.00	7,182.73	6,770.12	6,560.92	53.06	21.27	-23.67	1,205.06	2,262.73	1,562.84	1,518.31	44.53	35.099		
9,600.00	7,182.37	6,750.00	6,542.43	54.59	21.25	-26.20	1,201.29	2,269.73	1,653.07	1,608.66	44.41	37.219		
9,700.00	7,182.01	6,750.00	6,542.43	56.12	21.25	-26.94	1,201.29	2,269.73	1,743.57	1,699.10	44.47	39.208		
9,800.00	7,181.65	6,750.00	6,542.43	57.67	21.25	-26.94	1,201.29	2,269.73	1,835.05	1,790.52	44.52	41.215		
9,900.00	7,181.30	6,750.00	6,542.43	59.23	21.25	-26.94	1,201.29	2,269.73	1,927.37	1,882.79	44.57	43.239		
10,000.00	7,180.94	6,725.47	6,519.62	60.79	21.22	-25.81	1,196.63	2,277.45	2,019.81	1,975.39	44.42	45.471		
10,100.00	7,180.58	6,718.44	6,513.03	62.36	21.21	-25.50	1,195.29	2,279.50	2,113.10	2,068.68	44.42	47.571		
10,200.00	7,180.22	6,700.00	6,495.65	63.94	21.19	-24.69	1,191.74	2,284.52	2,207.04	2,162.71	44.33	49.783		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 32N-6A-M - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,179.86	6,700.00	6,495.65	65.52	21.19	-24.69	1,191.74	2,284.52	2,301.17	2,256.78	44.40	51.832	
10,400.00	7,179.50	6,700.00	6,495.65	67.10	21.19	-24.69	1,191.74	2,284.52	2,395.78	2,351.32	44.46	53.887	
10,500.00	7,179.14	6,700.00	6,495.65	68.69	21.19	-24.69	1,191.74	2,284.52	2,490.81	2,446.29	44.52	55.944	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 32N-6B-M - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	90.23	-5.43	1,339.71	1,339.72					
100.00	100.00	100.00	100.00	3.28	3.28	90.23	-5.43	1,339.71	1,339.72	1,332.19	7.53	177.944		
200.00	200.00	200.00	200.00	3.31	3.31	90.23	-5.43	1,339.71	1,339.72	1,332.14	7.57	176.886		
300.00	300.00	278.04	278.03	3.35	3.34	34.70	-4.58	1,340.35	1,340.31	1,332.66	7.65	175.190		
400.00	399.94	356.04	355.97	3.42	3.39	34.65	-2.04	1,342.28	1,340.18	1,332.43	7.76	172.744		
500.00	499.72	434.02	433.76	3.51	3.45	34.61	2.18	1,345.48	1,338.83	1,330.93	7.90	169.491		
600.00	599.20	511.98	511.36	3.62	3.53	34.58	8.09	1,349.97	1,336.25	1,328.18	8.07	165.495		
700.00	698.27	589.90	588.70	3.76	3.62	34.55	15.67	1,355.72	1,332.45	1,324.16	8.29	160.797		
800.00	796.81	667.81	665.73	3.93	3.73	34.53	24.93	1,362.75	1,327.42	1,318.88	8.54	155.438		
900.00	894.69	745.69	742.40	4.15	3.86	34.52	35.85	1,371.03	1,321.18	1,312.34	8.84	149.499		
1,000.00	991.81	823.55	818.64	4.41	4.02	34.50	48.41	1,380.57	1,313.76	1,304.58	9.18	143.050		
1,100.00	1,088.65	900.00	893.06	4.71	4.20	34.37	62.36	1,391.15	1,307.03	1,297.47	9.57	136.635		
1,200.00	1,185.48	980.86	969.57	5.04	4.42	34.15	78.45	1,403.37	1,301.98	1,291.98	10.00	130.150		
1,300.00	1,282.32	1,078.78	1,065.54	5.39	4.73	33.82	99.79	1,419.56	1,297.82	1,287.28	10.54	123.085		
1,400.00	1,379.16	1,178.42	1,161.51	5.76	5.07	33.50	121.14	1,435.76	1,293.71	1,282.58	11.12	116.291		
1,500.00	1,475.99	1,278.06	1,257.48	6.14	5.43	33.17	142.48	1,451.96	1,289.63	1,277.89	11.74	109.893		
1,600.00	1,572.83	1,377.70	1,353.45	6.54	5.81	32.84	163.83	1,468.16	1,285.60	1,273.23	12.37	103.939		
1,700.00	1,669.67	1,477.34	1,449.42	6.94	6.21	32.50	185.17	1,484.36	1,281.61	1,268.58	13.02	98.407		
1,800.00	1,766.50	1,576.98	1,545.39	7.36	6.62	32.17	206.51	1,500.56	1,277.66	1,263.97	13.69	93.298		
1,900.00	1,863.34	1,676.62	1,641.36	7.59	7.03	31.83	227.86	1,516.76	1,273.76	1,259.74	14.02	90.880		
2,000.00	1,960.18	1,776.26	1,737.33	7.65	7.46	31.49	249.20	1,532.96	1,269.90	1,255.49	14.41	88.138		
2,100.00	2,057.01	1,875.90	1,833.29	7.73	7.75	31.15	270.55	1,549.16	1,266.09	1,251.57	14.52	87.200		
2,200.00	2,153.85	1,975.54	1,929.26	7.83	7.86	30.81	291.89	1,565.36	1,262.32	1,247.66	14.66	86.110		
2,300.00	2,250.69	2,075.18	2,025.23	7.95	7.94	30.46	313.23	1,581.56	1,258.60	1,243.81	14.79	85.084		
2,400.00	2,347.52	2,174.82	2,121.20	8.08	8.04	30.12	334.58	1,597.76	1,254.93	1,239.97	14.96	83.882		
2,500.00	2,444.36	2,274.46	2,217.17	8.24	8.16	29.77	355.92	1,613.96	1,251.30	1,236.14	15.16	82.526		
2,600.00	2,541.20	2,374.10	2,313.14	8.40	8.30	29.42	377.27	1,630.15	1,247.72	1,232.32	15.40	81.039		
2,700.00	2,638.03	2,473.74	2,409.11	8.59	8.46	29.06	398.61	1,646.35	1,244.18	1,228.52	15.66	79.444		
2,800.00	2,734.87	2,573.38	2,505.08	8.78	8.63	28.71	419.95	1,662.55	1,240.70	1,224.74	15.95	77.765		
2,900.00	2,831.71	2,673.02	2,601.05	8.99	8.81	28.35	441.30	1,678.75	1,237.26	1,220.98	16.28	76.022		
3,000.00	2,928.54	2,772.66	2,697.02	9.21	9.01	27.99	462.64	1,694.95	1,233.87	1,217.25	16.62	74.235		
3,100.00	3,025.38	2,872.30	2,792.99	9.45	9.23	27.63	483.99	1,711.15	1,230.53	1,213.54	16.99	72.424		
3,200.00	3,122.22	2,971.94	2,888.96	9.69	9.46	27.27	505.33	1,727.35	1,227.24	1,209.86	17.38	70.603		
3,300.00	3,219.05	3,071.58	2,984.93	9.94	9.69	26.90	526.68	1,743.55	1,224.00	1,206.20	17.79	68.786		
3,400.00	3,315.89	3,171.22	3,080.90	10.20	9.94	26.53	548.02	1,759.75	1,220.81	1,202.58	18.23	66.985		
3,500.00	3,412.73	3,270.86	3,176.87	10.48	10.20	26.17	569.36	1,775.95	1,217.67	1,198.99	18.67	65.209		
3,600.00	3,509.56	3,370.50	3,272.84	10.75	10.47	25.79	590.71	1,792.15	1,214.58	1,195.44	19.14	63.466		
3,700.00	3,606.40	3,470.14	3,368.81	11.04	10.75	25.42	612.05	1,808.35	1,211.54	1,191.92	19.62	61.761		
3,800.00	3,703.24	3,569.79	3,464.78	11.33	11.03	25.05	633.40	1,824.55	1,208.55	1,188.44	20.11	60.099		
3,900.00	3,800.07	3,669.43	3,560.75	11.63	11.32	24.67	654.74	1,840.75	1,205.62	1,185.00	20.61	58.484		
4,000.00	3,896.91	3,769.07	3,656.72	11.93	11.62	24.29	676.08	1,856.94	1,202.74	1,181.61	21.13	56.918		
4,100.00	3,993.75	3,868.71	3,752.69	12.24	11.92	23.91	697.43	1,873.14	1,199.91	1,178.25	21.66	55.401		
4,200.00	4,090.58	3,968.35	3,848.66	12.55	12.23	23.53	718.77	1,889.34	1,197.13	1,174.94	22.20	53.936		
4,300.00	4,187.42	4,067.99	3,944.63	12.87	12.55	23.15	740.12	1,905.54	1,194.41	1,171.67	22.74	52.521		
4,400.00	4,284.26	4,167.63	4,040.60	13.19	12.87	22.76	761.46	1,921.74	1,191.74	1,168.45	23.30	51.157		
4,500.00	4,381.09	4,267.27	4,136.57	13.52	13.20	22.38	782.80	1,937.94	1,189.13	1,165.27	23.86	49.843		
4,600.00	4,477.93	4,366.91	4,232.54	13.85	13.53	21.99	804.15	1,954.14	1,186.57	1,162.15	24.43	48.577		
4,700.00	4,574.77	4,466.55	4,328.51	14.18	13.86	21.60	825.49	1,970.34	1,184.07	1,159.07	25.00	47.359		
4,800.00	4,671.60	4,566.19	4,424.48	14.52	14.20	21.21	846.84	1,986.54	1,181.62	1,156.04	25.58	46.187		
4,900.00	4,768.44	4,665.83	4,520.45	14.86	14.54	20.81	868.18	2,002.74	1,179.23	1,153.06	26.17	45.060		
5,000.00	4,865.27	4,765.47	4,616.42	15.20	14.88	20.42	889.53	2,018.94	1,176.89	1,150.13	26.76	43.975		
5,100.00	4,962.11	4,865.11	4,712.39	15.54	15.23	20.02	910.87	2,035.14	1,174.61	1,147.26	27.36	42.933		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		5N-66W-05 VOLT 19-5 PAD - VOLT 32N-6B-M - Wellbore #1 - Design #1										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA										<b>Offset Well Error:</b>	3.28 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Distance</b>						<b>Warning</b>
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference (usft)</b>	<b>Offset (usft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre +N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	
10,300.00	7,179.86	6,824.17	6,600.86	65.52	22.13	-37.92	1,331.25	2,308.58	2,272.43	2,223.97	48.45	46.898	
10,400.00	7,179.50	6,819.53	6,596.44	67.10	22.12	-37.65	1,330.25	2,309.55	2,367.12	2,318.72	48.40	48.909	
10,500.00	7,179.14	6,800.00	6,577.73	68.69	22.08	-36.54	1,326.03	2,313.26	2,462.43	2,414.21	48.22	51.066	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 33C-6-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.00	-2.00	3.28	3.28	90.22	-4.71	1,219.71	1,219.72				
100.00	100.00	102.00	98.00	3.28	3.28	90.22	-4.71	1,219.71	1,219.72	1,212.19	7.53	162.001	
200.00	200.00	202.00	198.00	3.31	3.31	90.22	-4.71	1,219.71	1,219.72	1,212.15	7.57	161.028	
300.00	300.00	284.35	284.35	3.35	3.34	34.72	-4.63	1,219.90	1,219.76	1,212.11	7.65	159.363	
400.00	399.94	355.91	355.88	3.42	3.38	34.76	-4.01	1,221.54	1,219.46	1,211.71	7.76	157.228	
500.00	499.72	427.47	427.36	3.51	3.44	34.83	-2.75	1,224.85	1,218.63	1,210.75	7.89	154.524	
600.00	599.20	500.00	499.68	3.62	3.50	34.96	-0.84	1,229.90	1,217.27	1,209.22	8.05	151.270	
700.00	698.27	570.64	569.97	3.76	3.58	35.12	1.66	1,236.47	1,215.38	1,207.15	8.24	147.557	
800.00	796.81	642.25	641.03	3.93	3.67	35.32	4.81	1,244.78	1,212.98	1,204.52	8.46	143.365	
900.00	894.69	713.89	711.87	4.15	3.78	35.57	8.60	1,254.75	1,210.08	1,201.36	8.72	138.760	
1,000.00	991.81	799.81	796.52	4.41	3.94	35.92	13.81	1,268.47	1,206.44	1,197.38	9.06	133.206	
1,100.00	1,088.65	900.62	894.58	4.71	4.14	36.31	19.93	1,284.60	1,202.16	1,192.69	9.47	126.924	
1,200.00	1,185.48	1,001.05	992.65	5.04	4.38	36.70	26.06	1,300.73	1,197.94	1,188.02	9.93	120.699	
1,300.00	1,282.32	1,101.48	1,090.72	5.39	4.63	37.09	32.19	1,316.87	1,193.78	1,183.37	10.41	114.643	
1,400.00	1,379.16	1,201.90	1,188.78	5.76	4.90	37.49	38.31	1,333.00	1,189.67	1,178.74	10.93	108.836	
1,500.00	1,475.99	1,302.33	1,286.85	6.14	5.18	37.89	44.44	1,349.13	1,185.62	1,174.15	11.48	103.321	
1,600.00	1,572.83	1,402.76	1,384.91	6.54	5.48	38.29	50.56	1,365.26	1,181.63	1,169.59	12.04	98.130	
1,700.00	1,669.67	1,503.19	1,482.98	6.94	5.78	38.70	56.69	1,381.40	1,177.70	1,165.07	12.63	93.259	
1,800.00	1,766.50	1,596.39	1,581.04	7.36	6.08	39.10	62.82	1,397.53	1,173.83	1,160.62	13.21	88.834	
1,900.00	1,863.34	1,704.04	1,679.11	7.59	6.42	39.51	68.94	1,413.66	1,170.02	1,156.53	13.48	86.765	
2,000.00	1,960.18	1,804.47	1,777.18	7.65	6.74	39.93	75.07	1,429.79	1,166.27	1,152.47	13.80	84.520	
2,100.00	2,057.01	1,904.90	1,875.24	7.73	6.92	40.34	81.19	1,445.93	1,162.57	1,148.74	13.83	84.053	
2,200.00	2,153.85	2,005.32	1,973.31	7.83	6.96	40.76	87.32	1,462.06	1,158.95	1,145.01	13.94	83.133	
2,300.00	2,250.69	2,094.25	2,071.37	7.95	7.01	41.18	93.44	1,478.19	1,155.38	1,141.30	14.08	82.060	
2,400.00	2,347.52	2,193.82	2,169.44	8.08	7.08	41.60	99.57	1,494.32	1,151.88	1,137.62	14.25	80.807	
2,500.00	2,444.36	2,306.60	2,267.51	8.24	7.18	42.03	105.70	1,510.46	1,148.44	1,133.97	14.47	79.359	
2,600.00	2,541.20	2,392.97	2,365.57	8.40	7.26	42.46	111.82	1,526.59	1,145.06	1,130.36	14.70	77.898	
2,700.00	2,638.03	2,507.46	2,463.64	8.59	7.39	42.89	117.95	1,542.72	1,141.75	1,126.77	14.98	76.208	
2,800.00	2,734.87	2,607.89	2,561.70	8.78	7.52	43.32	124.07	1,558.85	1,138.51	1,123.23	15.28	74.509	
2,900.00	2,831.71	2,708.31	2,659.77	8.99	7.67	43.76	130.20	1,574.99	1,135.33	1,119.72	15.60	72.754	
3,000.00	2,928.54	2,808.74	2,757.84	9.21	7.82	44.19	136.33	1,591.12	1,132.21	1,116.26	15.95	70.964	
3,100.00	3,025.38	2,890.83	2,855.90	9.45	7.96	44.63	142.45	1,607.25	1,129.17	1,112.87	16.30	69.272	
3,200.00	3,122.22	3,009.60	2,953.97	9.69	8.16	45.08	148.58	1,623.38	1,126.19	1,109.46	16.72	67.342	
3,300.00	3,219.05	3,089.98	3,052.03	9.94	8.31	45.52	154.70	1,639.52	1,123.28	1,106.17	17.11	65.668	
3,400.00	3,315.89	3,189.55	3,150.10	10.20	8.51	45.97	160.83	1,655.65	1,120.44	1,102.90	17.54	63.888	
3,500.00	3,412.73	3,289.12	3,248.17	10.48	8.71	46.42	166.95	1,671.78	1,117.66	1,099.67	17.99	62.136	
3,600.00	3,509.56	3,388.69	3,346.23	10.75	8.92	46.87	173.08	1,687.91	1,114.96	1,096.50	18.45	60.418	
3,700.00	3,606.40	3,488.27	3,444.30	11.04	9.13	47.32	179.21	1,704.05	1,112.33	1,093.39	18.94	58.741	
3,800.00	3,703.24	3,587.84	3,542.36	11.33	9.36	47.78	185.33	1,720.18	1,109.76	1,090.33	19.43	57.107	
3,900.00	3,800.07	3,687.41	3,640.43	11.63	9.59	48.24	191.46	1,736.31	1,107.27	1,087.33	19.94	55.521	
4,000.00	3,896.91	3,786.99	3,738.50	11.93	9.83	48.70	197.58	1,752.44	1,104.85	1,084.38	20.47	53.984	
4,100.00	3,993.75	3,886.56	3,836.56	12.24	10.07	49.16	203.71	1,768.58	1,102.50	1,081.50	21.00	52.497	
4,200.00	4,090.58	3,986.13	3,934.63	12.55	10.32	49.62	209.84	1,784.71	1,100.23	1,078.68	21.55	51.062	
4,300.00	4,187.42	4,085.70	4,032.69	12.87	10.57	50.09	215.96	1,800.84	1,098.02	1,075.92	22.10	49.677	
4,400.00	4,284.26	4,185.28	4,130.76	13.19	10.83	50.56	222.09	1,816.97	1,095.90	1,073.23	22.67	48.344	
4,500.00	4,381.09	4,284.85	4,228.83	13.52	11.09	51.03	228.21	1,833.11	1,093.84	1,070.60	23.24	47.060	
4,600.00	4,477.93	4,384.42	4,326.89	13.85	11.35	51.50	234.34	1,849.24	1,091.86	1,068.03	23.83	45.824	
4,700.00	4,574.77	4,483.99	4,424.96	14.18	11.62	51.97	240.46	1,865.37	1,089.95	1,065.53	24.42	44.637	
4,800.00	4,671.60	4,583.57	4,523.02	14.52	11.89	52.44	246.59	1,881.50	1,088.12	1,063.10	25.02	43.495	
4,900.00	4,768.44	4,683.14	4,621.09	14.86	12.17	52.92	252.72	1,897.64	1,086.37	1,060.74	25.62	42.399	
5,000.00	4,865.27	4,782.71	4,719.16	15.20	12.45	53.40	258.84	1,913.77	1,084.68	1,058.45	26.24	41.345	
5,100.00	4,962.11	4,882.28	4,817.22	15.54	12.73	53.88	264.97	1,929.90	1,083.08	1,056.23	26.85	40.332	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 33C-6-M - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,200.00	5,058.95	4,981.86	4,915.29	15.89	13.01	54.36	271.09	1,946.03	1,081.55	1,054.07	27.48	39.360		
5,300.00	5,155.78	5,081.43	5,013.35	16.24	13.30	54.84	277.22	1,962.17	1,080.10	1,051.99	28.11	38.426		
5,400.00	5,252.62	5,181.00	5,111.42	16.59	13.59	55.32	283.35	1,978.30	1,078.73	1,049.98	28.74	37.528		
5,500.00	5,349.46	5,280.58	5,209.49	16.94	13.88	55.80	289.47	1,994.43	1,077.43	1,048.05	29.38	36.666		
5,600.00	5,446.29	5,380.15	5,307.55	17.30	14.17	56.29	295.60	2,010.56	1,076.21	1,046.18	30.03	35.837		
5,700.00	5,543.13	5,479.72	5,405.62	17.65	14.47	56.78	301.72	2,026.70	1,075.07	1,044.39	30.68	35.041		
5,800.00	5,639.97	5,579.29	5,503.68	18.01	14.76	57.26	307.85	2,042.83	1,074.01	1,042.68	31.33	34.275		
5,900.00	5,736.80	5,678.87	5,601.75	18.37	15.06	57.75	313.97	2,058.96	1,073.03	1,041.03	31.99	33.539		
6,000.00	5,833.64	5,778.44	5,699.82	18.73	15.36	58.24	320.10	2,075.09	1,072.12	1,039.47	32.66	32.831		
6,100.00	5,930.48	5,878.01	5,797.88	19.09	15.66	58.73	326.23	2,091.23	1,071.29	1,037.97	33.32	32.150		
6,200.00	6,027.31	5,977.58	5,895.95	19.46	15.97	59.22	332.35	2,107.36	1,070.55	1,036.56	33.99	31.494		
6,300.00	6,124.15	6,077.16	5,994.01	19.82	16.27	59.71	338.48	2,123.49	1,069.88	1,035.21	34.67	30.863		
6,400.00	6,220.99	6,176.73	6,092.08	20.19	16.57	60.20	344.60	2,139.62	1,069.29	1,033.95	35.34	30.255		
6,500.00	6,317.82	8,164.06	7,285.13	20.55	22.00	146.95	423.84	1,178.98	1,051.85	1,018.23	33.62	31.290		
6,600.00	6,414.66	8,140.59	7,285.85	20.92	21.79	144.84	423.79	1,202.44	969.99	935.60	34.39	28.206		
6,700.00	6,511.50	8,117.12	7,286.56	21.29	21.59	142.67	423.74	1,225.90	891.21	855.91	35.30	25.247		
6,800.00	6,608.33	8,106.35	7,287.27	21.66	21.50	140.44	423.69	1,249.35	816.42	779.96	36.45	22.395		
6,900.00	6,705.11	8,069.88	7,288.00	22.03	21.21	135.94	423.64	1,273.11	746.85	709.22	37.63	19.849		
7,000.00	6,799.10	8,035.99	7,289.03	22.47	20.95	128.02	423.57	1,306.99	685.74	646.76	38.98	17.594		
7,100.00	6,887.20	7,987.81	7,290.49	23.02	20.59	123.49	423.46	1,355.14	635.72	595.37	40.35	15.756		
7,200.00	6,967.23	7,926.55	7,292.36	23.68	20.19	119.35	423.33	1,416.38	597.66	555.99	41.67	14.343		
7,300.00	7,037.23	7,853.70	7,294.57	24.45	19.77	115.02	423.18	1,489.19	571.03	528.16	42.87	13.320		
7,400.00	7,095.47	7,770.04	7,297.11	25.31	19.35	110.65	422.99	1,572.81	553.99	510.06	43.92	12.612		
7,500.00	7,140.51	7,658.42	7,290.09	26.27	18.94	105.09	422.10	1,684.06	541.98	497.00	44.98	12.049		
7,600.00	7,171.26	7,557.99	7,267.29	27.31	18.68	99.92	420.26	1,781.74	533.04	486.97	46.07	11.571		
7,700.00	7,186.94	7,466.01	7,233.20	28.40	18.54	95.10	417.76	1,867.05	527.61	480.61	47.00	11.226		
7,786.70	7,190.74	7,392.91	7,197.58	29.36	18.48	90.96	415.25	1,930.79	526.08	478.49	47.60	11.053		
7,800.00	7,188.83	7,381.26	7,191.23	29.51	18.47	90.48	414.81	1,940.55	525.88	478.20	47.68	11.030 CC, ES, SF		
7,900.00	7,188.47	7,308.30	7,147.57	30.67	18.46	85.76	411.82	1,998.88	530.37	482.42	47.96	11.060		
8,000.00	7,188.11	7,247.01	7,105.94	31.88	18.46	81.33	409.01	2,043.74	543.80	496.08	47.72	11.395		
8,100.00	7,187.76	7,195.70	7,067.91	33.12	18.47	77.40	406.47	2,078.07	567.66	520.64	47.02	12.072		
8,200.00	7,187.40	7,150.00	7,031.81	34.40	18.48	73.79	404.07	2,105.97	602.24	556.25	45.99	13.095		
8,300.00	7,187.04	7,116.31	7,003.96	35.71	18.49	71.11	402.24	2,124.85	646.87	602.04	44.83	14.430		
8,400.00	7,186.68	7,085.42	6,977.59	37.05	18.49	68.66	400.51	2,140.83	700.40	656.73	43.67	16.038		
8,500.00	7,186.32	7,050.00	6,946.44	38.42	18.50	65.88	398.47	2,157.55	761.54	718.98	42.56	17.894		
8,600.00	7,185.96	7,036.11	6,933.98	39.81	18.49	64.80	397.66	2,163.63	828.70	786.99	41.71	19.869		
8,700.00	7,185.60	7,016.23	6,915.93	41.22	18.49	63.29	396.49	2,171.86	901.02	860.07	40.95	22.004		
8,800.00	7,185.24	7,000.00	6,900.99	42.65	18.49	62.06	395.52	2,178.15	977.46	937.12	40.34	24.231		
8,900.00	7,184.89	6,983.44	6,885.61	44.10	18.49	60.84	394.52	2,184.18	1,057.25	1,017.41	39.83	26.542		
9,000.00	7,184.53	6,969.80	6,872.81	45.56	18.48	59.84	393.70	2,188.84	1,139.77	1,100.33	39.44	28.899		
9,100.00	7,184.17	6,950.00	6,854.07	47.04	18.47	58.42	392.49	2,195.12	1,224.61	1,185.54	39.08	31.339		
9,200.00	7,183.81	6,950.00	6,854.07	48.52	18.47	58.42	392.49	2,195.12	1,311.20	1,272.29	38.91	33.696		
9,300.00	7,183.45	6,950.00	6,854.07	50.03	18.47	58.42	392.49	2,195.12	1,399.58	1,360.79	38.79	36.079		
9,400.00	7,183.09	6,927.85	6,832.89	51.54	18.46	56.88	391.12	2,201.44	1,488.90	1,450.34	38.56	38.611		
9,500.00	7,182.73	6,919.70	6,825.04	53.06	18.46	56.32	390.62	2,203.58	1,579.52	1,541.06	38.46	41.072		
9,600.00	7,182.37	6,900.00	6,805.96	54.59	18.45	52.48	389.40	2,208.34	1,671.70	1,633.39	38.32	43.629		
9,700.00	7,182.01	6,900.00	6,805.96	56.12	18.45	51.87	389.40	2,208.34	1,765.04	1,726.71	38.33	46.047		
9,800.00	7,181.65	6,900.00	6,805.96	57.67	18.45	51.87	389.40	2,208.34	1,859.10	1,820.74	38.36	48.469		
9,900.00	7,181.30	6,900.00	6,805.96	59.23	18.45	51.87	389.40	2,208.34	1,953.74	1,915.35	38.39	50.890		
10,000.00	7,180.94	6,900.00	6,805.96	60.79	18.45	51.87	389.40	2,208.34	2,048.89	2,010.46	38.43	53.310		
10,100.00	7,180.58	6,900.00	6,805.96	62.36	18.45	51.87	389.40	2,208.34	2,144.48	2,106.00	38.48	55.725		
10,200.00	7,180.22	6,878.69	6,785.17	63.94	18.43	50.46	388.07	2,212.82	2,240.01	2,201.59	38.42	58.302		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-05 VOLT 19-5 PAD - VOLT 33C-6-M - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,300.00	7,179.86	6,874.40	6,780.97	65.52	18.42	50.18	387.80	2,213.63	2,336.13	2,297.67	38.46	60.741	
10,400.00	7,179.50	6,870.39	6,777.04	67.10	18.42	49.92	387.55	2,214.37	2,432.53	2,394.02	38.51	63.172	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 33N-6A-M - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2.00	-2.00	3.28	3.28	90.21	-4.34	1,179.62	1,179.63					
100.00	100.00	102.00	98.00	3.28	3.28	90.21	-4.34	1,179.62	1,179.63	1,172.10	7.53	156.676		
200.00	200.00	202.00	198.00	3.31	3.31	90.21	-4.34	1,179.62	1,179.63	1,172.05	7.57	155.735		
300.00	300.00	302.00	298.00	3.35	3.35	34.72	-4.34	1,179.62	1,179.40	1,171.73	7.66	153.877		
400.00	399.94	402.06	397.94	3.42	3.42	34.84	-4.34	1,179.62	1,176.82	1,169.02	7.80	150.942		
500.00	499.72	502.28	497.72	3.51	3.51	35.09	-4.34	1,179.62	1,171.38	1,163.41	7.97	146.931		
600.00	599.20	602.80	597.20	3.62	3.61	35.47	-4.34	1,179.62	1,163.12	1,154.93	8.19	142.010		
700.00	698.27	703.73	696.27	3.76	3.74	35.99	-4.34	1,179.62	1,152.07	1,143.62	8.45	136.332		
800.00	796.81	794.81	794.81	3.93	3.86	36.65	-4.34	1,179.62	1,138.28	1,129.55	8.74	130.274		
900.00	894.69	866.69	866.68	4.15	3.97	37.29	-4.30	1,180.40	1,122.91	1,113.89	9.02	124.463		
1,000.00	991.81	937.18	937.13	4.41	4.07	37.97	-4.15	1,182.90	1,107.39	1,098.05	9.34	118.597		
1,100.00	1,088.65	1,008.08	1,007.90	4.71	4.18	38.52	-3.90	1,187.16	1,093.52	1,083.85	9.67	113.065		
1,200.00	1,185.48	1,079.50	1,079.06	5.04	4.30	39.07	-3.55	1,193.22	1,082.26	1,072.23	10.04	107.839		
1,300.00	1,282.32	1,151.35	1,150.47	5.39	4.43	39.62	-3.08	1,201.10	1,073.64	1,063.21	10.43	102.978		
1,400.00	1,379.16	1,223.53	1,221.99	5.76	4.58	40.17	-2.52	1,210.82	1,067.65	1,056.82	10.84	98.509		
1,500.00	1,475.99	1,300.00	1,297.47	6.14	4.74	40.73	-1.80	1,223.07	1,064.32	1,053.04	11.28	94.339		
1,600.00	1,572.83	1,376.81	1,372.96	6.54	4.92	41.28	-0.97	1,237.23	1,063.49	1,051.75	11.75	90.535		
1,693.27	1,663.15	1,469.27	1,463.74	6.92	5.16	41.93	0.06	1,254.72	1,063.42	1,051.16	12.27	86.694		
1,700.00	1,669.67	1,475.94	1,470.29	6.94	5.18	41.98	0.13	1,255.98	1,063.42	1,051.12	12.30	86.425		
1,800.00	1,766.50	1,575.07	1,567.62	7.36	5.45	42.68	1.23	1,274.73	1,063.52	1,050.63	12.88	82.546		
1,900.00	1,863.34	1,674.20	1,664.96	7.59	5.74	43.39	2.33	1,293.47	1,063.77	1,050.66	13.11	81.143		
2,000.00	1,960.18	1,773.33	1,762.29	7.65	6.04	44.09	3.42	1,312.22	1,064.19	1,050.78	13.41	79.380		
2,100.00	2,057.01	1,872.46	1,859.63	7.73	6.25	44.79	4.52	1,330.97	1,064.77	1,051.30	13.47	79.050		
2,200.00	2,153.85	1,971.59	1,956.96	7.83	6.32	45.49	5.62	1,349.71	1,065.51	1,051.90	13.61	78.278		
2,300.00	2,250.69	2,070.72	2,054.29	7.95	6.37	46.19	6.72	1,368.46	1,066.42	1,052.66	13.76	77.518		
2,400.00	2,347.52	2,169.84	2,151.63	8.08	6.44	46.89	7.82	1,387.21	1,067.49	1,053.55	13.94	76.593		
2,500.00	2,444.36	2,268.97	2,248.96	8.24	6.53	47.59	8.92	1,405.95	1,068.72	1,054.57	14.15	75.521		
2,600.00	2,541.20	2,368.10	2,346.29	8.40	6.63	48.28	10.01	1,424.70	1,070.11	1,055.71	14.40	74.323		
2,700.00	2,638.03	2,467.23	2,443.63	8.59	6.76	48.98	11.11	1,443.45	1,071.66	1,056.98	14.68	73.022		
2,800.00	2,734.87	2,566.36	2,540.96	8.78	6.89	49.67	12.21	1,462.19	1,073.37	1,058.38	14.98	71.639		
2,900.00	2,831.71	2,665.49	2,638.30	8.99	7.04	50.36	13.31	1,480.94	1,075.23	1,059.92	15.32	70.194		
3,000.00	2,928.54	2,764.62	2,735.63	9.21	7.21	51.05	14.41	1,499.69	1,077.26	1,061.58	15.68	68.706		
3,100.00	3,025.38	2,863.75	2,832.96	9.45	7.39	51.73	15.51	1,518.43	1,079.44	1,063.38	16.06	67.192		
3,200.00	3,122.22	2,962.87	2,930.30	9.69	7.58	52.41	16.60	1,537.18	1,081.78	1,065.31	16.47	65.667		
3,300.00	3,219.05	3,062.00	3,027.63	9.94	7.78	53.09	17.70	1,555.93	1,084.27	1,067.37	16.90	64.143		
3,400.00	3,315.89	3,161.13	3,124.97	10.20	7.99	53.77	18.80	1,574.67	1,086.92	1,069.57	17.35	62.630		
3,500.00	3,412.73	3,260.26	3,222.30	10.48	8.21	54.44	19.90	1,593.42	1,089.72	1,071.90	17.82	61.148		
3,600.00	3,509.56	3,359.39	3,319.63	10.75	8.44	55.11	21.00	1,612.17	1,092.67	1,074.37	18.31	59.682		
3,700.00	3,606.40	3,458.52	3,416.97	11.04	8.68	55.77	22.09	1,630.91	1,095.78	1,076.97	18.81	58.254		
3,800.00	3,703.24	3,557.65	3,514.30	11.33	8.93	56.43	23.19	1,649.66	1,099.03	1,079.70	19.33	56.865		
3,900.00	3,800.07	3,656.78	3,611.63	11.63	9.18	57.09	24.29	1,668.41	1,102.43	1,082.57	19.86	55.517		
4,000.00	3,896.91	3,755.90	3,708.97	11.93	9.44	57.75	25.39	1,687.15	1,105.97	1,085.57	20.40	54.212		
4,100.00	3,993.75	3,855.03	3,806.30	12.24	9.70	58.39	26.49	1,705.90	1,109.66	1,088.71	20.96	52.952		
4,200.00	4,090.58	3,954.16	3,903.64	12.55	9.97	59.04	27.59	1,724.65	1,113.50	1,091.97	21.52	51.737		
4,300.00	4,187.42	4,053.29	4,000.97	12.87	10.25	59.68	28.68	1,743.39	1,117.47	1,095.37	22.10	50.567		
4,400.00	4,284.26	4,152.42	4,098.30	13.19	10.53	60.32	29.78	1,762.14	1,121.59	1,098.91	22.69	49.442		
4,500.00	4,381.09	4,251.55	4,195.64	13.52	10.81	60.95	30.88	1,780.89	1,125.85	1,102.57	23.28	48.361		
4,600.00	4,477.93	4,350.68	4,292.97	13.85	11.10	61.57	31.98	1,799.63	1,130.24	1,106.36	23.88	47.323		
4,700.00	4,574.77	4,449.81	4,390.31	14.18	11.39	62.19	33.08	1,818.38	1,134.77	1,110.27	24.49	46.327		
4,800.00	4,671.60	4,548.94	4,487.64	14.52	11.68	62.81	34.18	1,837.13	1,139.43	1,114.32	25.11	45.372		
4,900.00	4,768.44	4,648.06	4,584.97	14.86	11.98	63.42	35.27	1,855.87	1,144.23	1,118.49	25.74	44.456		
5,000.00	4,865.27	4,747.19	4,682.31	15.20	12.28	64.03	36.37	1,874.62	1,149.16	1,122.78	26.37	43.578		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 33N-6A-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	4,962.11	4,846.32	4,779.64	15.54	12.58	64.63	37.47	1,893.37	1,154.21	1,127.20	27.01	42.736	
5,200.00	5,058.95	4,945.45	4,876.97	15.89	12.89	65.23	38.57	1,912.11	1,159.40	1,131.74	27.65	41.930	
5,300.00	5,155.78	5,044.58	4,974.31	16.24	13.19	65.82	39.67	1,930.86	1,164.71	1,136.41	28.30	41.156	
5,400.00	5,252.62	5,143.71	5,071.64	16.59	13.50	66.40	40.76	1,949.61	1,170.14	1,141.19	28.95	40.415	
5,500.00	5,349.46	5,242.84	5,168.98	16.94	13.81	66.98	41.86	1,968.35	1,175.70	1,146.08	29.61	39.704	
5,600.00	5,446.29	5,341.97	5,266.31	17.30	14.13	67.56	42.96	1,987.10	1,181.37	1,151.10	30.27	39.023	
5,700.00	5,543.13	5,441.09	5,363.64	17.65	14.44	68.13	44.06	2,005.85	1,187.17	1,156.23	30.94	38.370	
5,800.00	5,639.97	5,540.22	5,460.98	18.01	14.76	68.69	45.16	2,024.59	1,193.08	1,161.47	31.61	37.743	
5,900.00	5,736.80	5,639.35	5,558.31	18.37	15.08	69.25	46.26	2,043.34	1,199.11	1,166.83	32.29	37.141	
6,000.00	5,833.64	5,738.48	5,655.65	18.73	15.40	69.80	47.35	2,062.09	1,205.25	1,172.29	32.96	36.564	
6,100.00	5,930.48	5,837.61	5,752.98	19.09	15.72	70.35	48.45	2,080.83	1,211.51	1,177.86	33.64	36.010	
6,200.00	6,027.31	7,868.06	6,976.70	19.46	21.39	138.16	61.14	1,124.48	1,197.96	1,163.30	34.67	34.557	
6,300.00	6,124.15	7,845.03	6,977.28	19.82	21.18	136.72	61.16	1,147.49	1,132.19	1,096.64	35.55	31.852	
6,400.00	6,220.99	7,822.01	6,977.86	20.19	20.98	135.28	61.19	1,170.51	1,071.22	1,034.73	36.49	29.354	
6,500.00	6,317.82	7,801.02	6,978.45	20.55	20.79	133.82	61.22	1,193.53	1,015.94	978.43	37.51	27.083	
6,600.00	6,414.66	7,775.96	6,979.03	20.92	20.59	132.35	61.25	1,216.55	967.31	928.77	38.54	25.097	
6,700.00	6,511.50	7,752.93	6,979.61	21.29	20.41	130.87	61.28	1,239.56	926.38	886.81	39.57	23.410	
6,800.00	6,608.33	7,729.91	6,980.19	21.66	20.23	129.38	61.31	1,262.58	894.21	853.68	40.53	22.065	
6,900.00	6,705.11	7,706.59	6,980.78	22.03	20.04	124.44	61.33	1,285.89	871.77	830.44	41.34	21.090	
7,000.00	6,799.10	7,673.13	6,981.63	22.47	19.81	111.85	61.37	1,319.34	859.72	817.77	41.95	20.495	
7,079.07	6,869.35	7,636.49	6,982.56	22.91	19.56	105.30	61.42	1,355.97	857.03	814.73	42.29	20.264 CC, ES	
7,100.00	6,887.20	7,625.36	6,982.84	23.02	19.49	103.77	61.43	1,367.10	857.20	814.85	42.35	20.241	
7,200.00	6,967.23	7,564.46	6,984.38	23.68	19.12	97.04	61.51	1,427.98	862.11	819.49	42.61	20.231 SF	
7,300.00	7,037.23	7,508.07	6,986.21	24.45	18.81	91.01	61.60	1,500.49	871.63	828.73	42.90	20.320	
7,400.00	7,095.47	7,417.47	6,986.62	25.31	18.42	85.98	61.67	1,574.92	882.99	839.91	43.08	20.496	
7,500.00	7,140.51	7,348.65	6,979.96	26.27	18.17	81.79	61.66	1,643.39	895.05	851.68	43.37	20.638	
7,600.00	7,171.26	7,282.12	6,966.53	27.31	17.98	78.25	61.57	1,708.52	906.94	863.26	43.68	20.763	
7,700.00	7,186.94	7,217.36	6,947.01	28.40	17.84	75.33	61.42	1,770.23	917.84	873.83	44.01	20.854	
7,800.00	7,188.83	7,150.00	6,920.16	29.51	17.73	73.17	61.18	1,831.98	927.75	883.39	44.36	20.915	
7,900.00	7,188.47	7,100.00	6,896.10	30.67	17.69	71.74	60.95	1,875.79	941.47	896.86	44.62	21.102	
8,000.00	7,188.11	7,050.00	6,868.67	31.88	17.66	70.13	60.68	1,917.58	960.54	915.78	44.76	21.457	
8,100.00	7,187.76	7,000.00	6,838.05	33.12	17.64	68.37	60.38	1,957.09	985.30	940.51	44.79	21.996	
8,200.00	7,187.40	6,950.00	6,804.42	34.40	17.65	66.49	60.04	1,994.07	1,016.04	971.34	44.70	22.729	
8,300.00	7,187.04	6,919.22	6,782.31	35.71	17.65	65.28	59.82	2,015.49	1,052.65	1,008.12	44.53	23.640	
8,400.00	7,186.68	6,886.36	6,757.60	37.05	17.66	63.96	59.56	2,037.14	1,095.04	1,050.76	44.27	24.733	
8,500.00	7,186.32	6,850.00	6,729.00	38.42	17.67	62.47	59.27	2,059.57	1,142.92	1,098.97	43.96	26.002	
8,600.00	7,185.96	6,831.00	6,713.55	39.81	17.68	61.68	59.11	2,070.64	1,195.77	1,152.12	43.64	27.398	
8,700.00	7,185.60	6,800.00	6,687.66	41.22	17.69	60.38	58.84	2,087.68	1,253.34	1,210.06	43.28	28.958	
8,800.00	7,185.24	6,800.00	6,687.66	42.65	17.69	60.38	58.84	2,087.68	1,315.15	1,272.14	43.01	30.577	
8,900.00	7,184.89	6,767.72	6,659.86	44.10	17.70	59.02	58.54	2,104.07	1,380.42	1,337.78	42.65	32.370	
9,000.00	7,184.53	6,750.00	6,644.26	45.56	17.70	58.27	58.38	2,112.46	1,449.21	1,406.87	42.34	34.228	
9,100.00	7,184.17	6,750.00	6,644.26	47.04	17.70	58.27	58.38	2,112.46	1,521.18	1,479.07	42.11	36.122	
9,200.00	7,183.81	6,720.97	6,618.21	48.52	17.71	57.06	58.10	2,125.26	1,595.35	1,553.54	41.80	38.165	
9,300.00	7,183.45	6,700.00	6,599.04	50.03	17.71	56.18	57.89	2,133.76	1,672.12	1,630.59	41.54	40.254	
9,400.00	7,183.09	6,700.00	6,599.04	51.54	17.71	56.18	57.89	2,133.76	1,750.85	1,709.48	41.37	42.317	
9,500.00	7,182.73	6,700.00	6,599.04	53.06	17.71	56.18	57.89	2,133.76	1,831.66	1,790.43	41.23	44.428	
9,600.00	7,182.37	6,675.36	6,576.17	54.59	17.71	53.58	57.65	2,142.94	1,914.34	1,873.32	41.02	46.668	
9,700.00	7,182.01	6,650.00	6,552.28	56.12	17.71	52.15	57.39	2,151.45	1,999.87	1,959.02	40.84	48.964	
9,800.00	7,181.65	6,650.00	6,552.28	57.67	17.71	52.15	57.39	2,151.45	2,086.13	2,045.36	40.77	51.163	
9,900.00	7,181.30	6,650.00	6,552.28	59.23	17.71	52.15	57.39	2,151.45	2,173.57	2,132.86	40.72	53.384	
10,000.00	7,180.94	6,650.00	6,552.28	60.79	17.71	52.15	57.39	2,151.45	2,262.05	2,221.39	40.67	55.622	
10,100.00	7,180.58	6,650.00	6,552.28	62.36	17.71	52.15	57.39	2,151.45	2,351.46	2,310.83	40.63	57.875	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-05 VOLT 19-5 PAD - VOLT 33N-6A-M - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.00	7,180.22	6,628.79	6,532.06	63.94	17.70	51.29	57.17	2,157.83	2,441.26	2,400.73	40.53	60.232	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 33N-6C-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.00	-2.00	3.28	3.28	90.21	-4.34	1,199.67	1,199.67				
100.00	100.00	102.00	98.00	3.28	3.28	90.21	-4.34	1,199.67	1,199.67	1,192.15	7.53	159.339	
200.00	200.00	198.00	198.00	3.31	3.30	90.21	-4.34	1,199.67	1,199.67	1,192.10	7.57	158.410	
300.00	300.00	269.83	269.83	3.35	3.33	34.70	-4.11	1,200.49	1,200.59	1,192.95	7.65	157.037	
400.00	399.94	341.07	341.02	3.42	3.37	34.71	-3.41	1,203.01	1,201.56	1,193.81	7.74	155.172	
500.00	499.72	412.30	412.10	3.51	3.43	34.78	-2.24	1,207.24	1,202.04	1,194.17	7.87	152.756	
600.00	599.20	483.50	483.04	3.62	3.49	34.89	-0.60	1,213.17	1,202.06	1,194.03	8.02	149.799	
700.00	698.27	554.70	553.79	3.76	3.57	35.06	1.52	1,220.80	1,201.61	1,193.40	8.21	146.341	
800.00	796.81	625.87	624.31	3.93	3.66	35.27	4.10	1,230.11	1,200.72	1,192.29	8.43	142.422	
900.00	894.69	700.46	697.92	4.15	3.78	35.55	7.31	1,241.66	1,199.37	1,190.67	8.69	137.944	
1,000.00	991.81	799.99	796.01	4.41	3.97	36.01	11.82	1,257.93	1,196.20	1,187.14	9.06	131.975	
1,100.00	1,088.65	900.57	894.00	4.71	4.18	36.48	16.33	1,274.19	1,192.14	1,182.66	9.48	125.763	
1,200.00	1,185.48	1,001.14	992.00	5.04	4.42	36.95	20.84	1,290.45	1,188.17	1,178.24	9.93	119.610	
1,300.00	1,282.32	1,101.70	1,089.99	5.39	4.67	37.43	25.35	1,306.71	1,184.28	1,173.86	10.42	113.631	
1,400.00	1,379.16	1,202.27	1,187.98	5.76	4.95	37.91	29.86	1,322.97	1,180.47	1,169.53	10.94	107.901	
1,500.00	1,475.99	1,297.17	1,285.98	6.14	5.21	38.39	34.37	1,339.23	1,176.74	1,165.27	11.47	102.582	
1,600.00	1,572.83	1,403.39	1,383.97	6.54	5.53	38.87	38.88	1,355.49	1,173.10	1,161.05	12.05	97.345	
1,700.00	1,669.67	1,503.96	1,481.97	6.94	5.84	39.36	43.39	1,371.75	1,169.54	1,156.90	12.64	92.544	
1,800.00	1,766.50	1,604.52	1,579.96	7.36	6.15	39.85	47.90	1,388.01	1,166.07	1,152.82	13.24	88.058	
1,900.00	1,863.34	1,705.09	1,677.95	7.59	6.48	40.34	52.41	1,404.27	1,162.68	1,149.19	13.49	86.165	
2,000.00	1,960.18	1,805.65	1,775.95	7.65	6.80	40.83	56.92	1,420.53	1,159.38	1,145.58	13.80	83.984	
2,100.00	2,057.01	1,906.21	1,873.94	7.73	6.97	41.33	61.43	1,436.79	1,156.17	1,142.33	13.84	83.562	
2,200.00	2,153.85	2,006.78	1,971.94	7.83	7.01	41.83	65.94	1,453.05	1,153.05	1,139.10	13.95	82.674	
2,300.00	2,250.69	2,107.34	2,069.93	7.95	7.06	42.34	70.45	1,469.31	1,150.02	1,135.92	14.09	81.606	
2,400.00	2,347.52	2,192.09	2,167.92	8.08	7.12	42.84	74.96	1,485.57	1,147.07	1,132.81	14.26	80.428	
2,500.00	2,444.36	2,291.53	2,265.92	8.24	7.21	43.35	79.47	1,501.83	1,144.22	1,129.75	14.47	79.075	
2,600.00	2,541.20	2,390.97	2,363.91	8.40	7.30	43.86	83.98	1,518.09	1,141.46	1,126.75	14.71	77.603	
2,700.00	2,638.03	2,509.60	2,461.90	8.59	7.44	44.37	88.49	1,534.35	1,138.79	1,123.79	15.00	75.938	
2,800.00	2,734.87	2,589.84	2,559.90	8.78	7.54	44.89	93.00	1,550.61	1,136.22	1,120.94	15.27	74.391	
2,900.00	2,831.71	2,689.27	2,657.89	8.99	7.68	45.41	97.51	1,566.87	1,133.73	1,118.14	15.60	72.693	
3,000.00	2,928.54	2,788.71	2,755.89	9.21	7.83	45.93	102.02	1,583.13	1,131.34	1,115.40	15.94	70.957	
3,100.00	3,025.38	2,888.15	2,853.88	9.45	7.99	46.45	106.53	1,599.39	1,129.05	1,112.73	16.32	69.201	
3,200.00	3,122.22	2,987.58	2,951.87	9.69	8.16	46.98	111.04	1,615.65	1,126.85	1,110.14	16.71	67.440	
3,300.00	3,219.05	3,087.02	3,049.87	9.94	8.34	47.50	115.55	1,631.91	1,124.75	1,107.62	17.12	65.687	
3,400.00	3,315.89	3,186.45	3,147.86	10.20	8.53	48.03	120.06	1,648.17	1,122.74	1,105.18	17.56	63.951	
3,500.00	3,412.73	3,285.89	3,245.86	10.48	8.73	48.56	124.57	1,664.43	1,120.83	1,102.82	18.01	62.241	
3,600.00	3,509.56	3,385.33	3,343.85	10.75	8.93	49.09	129.08	1,680.69	1,119.02	1,100.54	18.48	60.565	
3,700.00	3,606.40	3,484.76	3,441.84	11.04	9.15	49.62	133.59	1,696.95	1,117.30	1,098.34	18.96	58.929	
3,800.00	3,703.24	3,584.20	3,539.84	11.33	9.37	50.16	138.10	1,713.21	1,115.69	1,096.23	19.46	57.336	
3,900.00	3,800.07	3,683.63	3,637.83	11.63	9.60	50.70	142.61	1,729.47	1,114.17	1,094.20	19.97	55.789	
4,000.00	3,896.91	3,783.07	3,735.82	11.93	9.83	51.23	147.12	1,745.73	1,112.75	1,092.25	20.50	54.290	
4,100.00	3,993.75	3,882.51	3,833.82	12.24	10.07	51.77	151.63	1,761.99	1,111.43	1,090.40	21.03	52.842	
4,200.00	4,090.58	3,981.94	3,931.81	12.55	10.32	52.31	156.14	1,778.25	1,110.21	1,088.63	21.58	51.443	
4,300.00	4,187.42	4,081.38	4,029.81	12.87	10.57	52.86	160.65	1,794.51	1,109.09	1,086.95	22.14	50.095	
4,400.00	4,284.26	4,180.81	4,127.80	13.19	10.82	53.40	165.16	1,810.76	1,108.07	1,085.36	22.71	48.797	
4,500.00	4,381.09	4,280.25	4,225.79	13.52	11.08	53.94	169.67	1,827.02	1,107.15	1,083.86	23.29	47.547	
4,600.00	4,477.93	4,379.69	4,323.79	13.85	11.34	54.49	174.18	1,843.28	1,106.33	1,082.46	23.87	46.346	
4,700.00	4,574.77	4,479.12	4,421.78	14.18	11.61	55.03	178.69	1,859.54	1,105.61	1,081.15	24.46	45.192	
4,800.00	4,671.60	4,578.56	4,519.78	14.52	11.88	55.58	183.20	1,875.80	1,105.00	1,079.93	25.07	44.083	
4,900.00	4,768.44	4,677.99	4,617.77	14.86	12.15	56.12	187.71	1,892.06	1,104.49	1,078.81	25.67	43.019	
5,000.00	4,865.27	4,777.43	4,715.76	15.20	12.43	56.67	192.22	1,908.32	1,104.07	1,077.78	26.29	41.996	
5,100.00	4,962.11	4,876.86	4,813.76	15.54	12.70	57.22	196.73	1,924.58	1,103.76	1,076.85	26.91	41.015	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 33N-6C-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,058.95	4,976.30	4,911.75	15.89	12.99	57.76	201.24	1,940.84	1,103.55	1,076.01	27.54	40.073	
5,300.00	5,155.78	5,075.74	5,009.74	16.24	13.27	58.31	205.75	1,957.10	1,103.45	1,075.27	28.17	39.169	
5,354.83	5,208.88	5,130.26	5,063.48	16.43	13.43	58.61	208.23	1,966.02	1,103.43	1,074.91	28.52	38.688	
5,400.00	5,252.62	5,175.17	5,107.74	16.59	13.56	58.86	210.26	1,973.36	1,103.44	1,074.63	28.81	38.301	
5,500.00	5,349.46	5,274.61	5,205.73	16.94	13.84	59.41	214.77	1,989.62	1,103.54	1,074.09	29.45	37.467	
5,600.00	5,446.29	5,374.04	5,303.73	17.30	14.13	59.95	219.28	2,005.88	1,103.74	1,073.64	30.10	36.667	
5,700.00	5,543.13	5,473.48	5,401.72	17.65	14.43	60.50	223.79	2,022.14	1,104.04	1,073.28	30.75	35.899	
5,800.00	5,639.97	5,572.92	5,499.71	18.01	14.72	61.05	228.30	2,038.40	1,104.44	1,073.03	31.41	35.160	
5,900.00	5,736.80	5,672.35	5,597.71	18.37	15.02	61.60	232.81	2,054.66	1,104.95	1,072.87	32.07	34.451	
6,000.00	5,833.64	5,771.79	5,695.70	18.73	15.31	62.14	237.32	2,070.92	1,105.55	1,072.81	32.74	33.770	
6,100.00	5,930.48	5,871.22	5,793.69	19.09	15.61	62.69	241.83	2,087.18	1,106.26	1,072.85	33.41	33.115	
6,200.00	6,027.31	5,970.66	5,891.69	19.46	15.91	63.23	246.34	2,103.44	1,107.07	1,072.99	34.08	32.486	
6,300.00	6,124.15	6,070.10	5,989.68	19.82	16.21	63.77	250.85	2,119.70	1,107.98	1,073.22	34.75	31.880	
6,400.00	6,220.99	6,049.93	7,179.75	20.19	21.61	142.85	297.50	1,162.62	1,092.55	1,058.57	33.98	32.152	
6,500.00	6,317.82	6,026.18	7,180.50	20.55	21.40	140.99	297.70	1,186.36	1,016.26	981.44	34.82	29.184	
6,600.00	6,414.66	6,002.43	7,181.26	20.92	21.19	139.10	297.90	1,210.10	943.81	908.03	35.78	26.375	
6,700.00	6,511.50	7,978.68	7,182.01	21.29	21.00	137.18	298.10	1,233.84	876.15	839.27	36.88	23.756	
6,800.00	6,608.33	7,954.93	7,182.77	21.66	20.82	135.22	298.30	1,257.58	814.48	776.39	38.10	21.380	
6,900.00	6,705.11	7,930.88	7,183.53	22.03	20.63	130.49	298.51	1,281.61	760.29	720.90	39.38	19.304	
7,000.00	6,799.10	7,903.28	7,184.62	22.47	20.41	120.57	298.80	1,315.76	716.19	675.52	40.67	17.609	
7,100.00	6,887.20	7,848.30	7,186.16	23.02	20.04	114.52	299.21	1,364.15	683.67	641.92	41.75	16.374	
7,200.00	6,967.23	7,786.81	7,188.11	23.68	19.64	109.24	299.73	1,425.60	662.31	619.63	42.68	15.518	
7,300.00	7,037.23	7,713.78	7,190.43	24.45	19.23	104.10	300.34	1,498.59	650.29	606.84	43.45	14.968	
7,400.00	7,095.47	7,626.86	7,192.09	25.31	18.84	99.03	301.03	1,585.48	644.75	600.63	44.12	14.613	
7,500.00	7,140.51	7,536.42	7,183.24	26.27	18.52	94.12	301.27	1,675.41	642.54	597.75	44.79	14.345	
7,531.85	7,151.90	7,509.05	7,178.06	26.60	18.44	92.67	301.22	1,702.29	642.41	597.41	45.00	14.276 CC, ES	
7,600.00	7,171.26	7,452.40	7,163.70	27.31	18.29	89.71	300.96	1,757.06	642.97	597.57	45.39	14.164	
7,700.00	7,186.94	7,373.25	7,135.61	28.40	18.15	85.76	300.22	1,831.00	645.54	599.64	45.90	14.064	
7,800.00	7,188.83	7,298.50	7,100.87	29.51	18.07	82.37	299.13	1,897.13	650.08	603.80	46.28	14.047 SF	
7,900.00	7,188.47	7,232.24	7,063.78	30.67	18.03	79.16	297.85	1,951.99	660.01	613.59	46.42	14.218	
8,000.00	7,188.11	7,174.87	7,027.22	31.88	18.03	76.06	296.52	1,996.16	677.30	631.03	46.27	14.637	
8,100.00	7,187.76	7,125.48	6,992.67	33.12	18.03	73.21	295.22	2,031.41	702.79	656.93	45.85	15.326	
8,200.00	7,187.40	7,082.99	6,960.85	34.40	18.04	70.66	293.99	2,059.52	736.71	691.48	45.23	16.287	
8,300.00	7,187.04	7,050.00	6,934.88	35.71	18.05	68.65	292.97	2,079.84	778.81	734.31	44.50	17.501	
8,400.00	7,186.68	7,014.66	6,905.94	37.05	18.05	66.47	291.82	2,100.09	828.39	784.69	43.70	18.955	
8,500.00	7,186.32	6,987.08	6,882.61	38.42	18.06	64.76	290.87	2,114.75	884.68	841.74	42.94	20.605	
8,600.00	7,185.96	6,962.95	6,861.69	39.81	18.06	63.28	290.02	2,126.74	946.79	904.57	42.22	22.424	
8,700.00	7,185.60	6,950.00	6,850.28	41.22	18.06	62.49	289.55	2,132.84	1,013.96	972.34	41.63	24.357	
8,800.00	7,185.24	6,922.95	6,826.05	42.65	18.06	60.85	288.55	2,144.84	1,085.22	1,044.19	41.03	26.451	
8,900.00	7,184.89	6,900.00	6,805.12	44.10	18.06	59.47	287.67	2,154.20	1,160.18	1,119.66	40.52	28.635	
9,000.00	7,184.53	6,900.00	6,805.12	45.56	18.06	59.47	287.67	2,154.20	1,238.17	1,197.97	40.20	30.801	
9,100.00	7,184.17	6,877.89	6,784.65	47.04	18.06	58.17	286.81	2,162.50	1,318.60	1,278.79	39.81	33.122	
9,200.00	7,183.81	6,865.78	6,773.31	48.52	18.06	57.46	286.34	2,166.74	1,401.29	1,361.76	39.53	35.449	
9,300.00	7,183.45	6,850.00	6,758.43	50.03	18.05	56.56	285.70	2,171.95	1,485.87	1,446.60	39.27	37.834	
9,400.00	7,183.09	6,850.00	6,758.43	51.54	18.05	56.56	285.70	2,171.95	1,572.02	1,532.88	39.14	40.164	
9,500.00	7,182.73	6,850.00	6,758.43	53.06	18.05	56.56	285.70	2,171.95	1,659.73	1,620.69	39.04	42.517	
9,600.00	7,182.37	6,827.32	6,736.82	54.59	18.04	53.16	284.78	2,178.78	1,748.75	1,709.90	38.85	45.016	
9,700.00	7,182.01	6,819.65	6,729.47	56.12	18.04	52.21	284.47	2,180.91	1,839.75	1,800.97	38.78	47.445	
9,800.00	7,181.65	6,800.00	6,710.50	57.67	18.03	51.12	283.65	2,185.97	1,931.72	1,893.05	38.66	49.965	
9,900.00	7,181.30	6,800.00	6,710.50	59.23	18.03	51.12	283.65	2,185.97	2,024.08	1,985.43	38.66	52.357	
10,000.00	7,180.94	6,800.00	6,710.50	60.79	18.03	51.12	283.65	2,185.97	2,117.15	2,078.48	38.67	54.752	
10,100.00	7,180.58	6,800.00	6,710.50	62.36	18.03	51.12	283.65	2,185.97	2,210.82	2,172.13	38.69	57.148	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-05 VOLT 19-5 PAD - VOLT 33N-6C-M - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.00	7,180.22	6,800.00	6,710.50	63.94	18.03	51.12	283.65	2,185.97	2,305.02	2,266.31	38.71	59.544	
10,300.00	7,179.86	6,800.00	6,710.50	65.52	18.03	51.12	283.65	2,185.97	2,399.69	2,360.94	38.74	61.937	
10,400.00	7,179.50	6,779.55	6,690.60	67.10	18.02	50.01	282.79	2,190.62	2,494.37	2,455.68	38.69	64.471	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 34C-6-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.00	-2.00	3.28	3.28	90.19	-3.62	1,079.67	1,079.68				
100.00	100.00	102.00	98.00	3.28	3.28	90.19	-3.62	1,079.67	1,079.68	1,072.15	7.53	143.401	
200.00	200.00	202.00	198.00	3.31	3.31	90.19	-3.62	1,079.67	1,079.68	1,072.10	7.57	142.540	
300.00	300.00	286.47	286.47	3.35	3.34	34.70	-3.75	1,079.87	1,079.70	1,072.05	7.65	141.064	
400.00	399.94	362.40	362.37	3.42	3.38	34.84	-4.83	1,081.52	1,079.31	1,071.55	7.76	139.162	
500.00	499.72	438.15	438.01	3.51	3.44	35.12	-7.00	1,084.84	1,078.29	1,070.40	7.89	136.713	
600.00	599.20	513.61	513.24	3.62	3.50	35.54	-10.26	1,089.81	1,076.70	1,068.65	8.05	133.754	
700.00	698.27	588.67	587.88	3.76	3.59	36.10	-14.57	1,096.40	1,074.62	1,066.38	8.25	130.319	
800.00	796.81	663.21	661.77	3.93	3.69	36.80	-19.91	1,104.56	1,072.14	1,063.67	8.48	126.452	
900.00	894.69	737.12	734.78	4.15	3.81	37.64	-26.24	1,114.24	1,069.39	1,060.64	8.75	122.222	
1,000.00	991.81	810.31	806.75	4.41	3.95	38.59	-33.53	1,125.38	1,066.56	1,057.49	9.06	117.699	
1,100.00	1,088.65	904.42	899.01	4.71	4.16	39.86	-43.68	1,140.89	1,064.67	1,055.19	9.48	112.340	
1,200.00	1,185.48	1,001.23	993.92	5.04	4.41	41.16	-54.13	1,156.86	1,063.38	1,053.44	9.94	106.938	
1,300.00	1,282.32	1,101.97	1,088.82	5.39	4.69	42.47	-64.58	1,172.83	1,062.69	1,052.23	10.46	101.626	
1,367.34	1,347.53	1,163.22	1,152.73	5.64	4.87	43.35	-71.61	1,183.59	1,062.55	1,051.74	10.81	98.296 CC	
1,400.00	1,379.16	1,194.83	1,183.72	5.76	4.97	43.78	-75.02	1,188.80	1,062.59	1,051.60	10.98	96.738	
1,500.00	1,475.99	1,308.36	1,278.63	6.14	5.33	45.09	-85.47	1,204.77	1,063.07	1,051.48	11.59	91.715 ES	
1,600.00	1,572.83	1,388.44	1,373.53	6.54	5.59	46.39	-95.92	1,220.74	1,064.16	1,052.02	12.14	87.687	
1,700.00	1,669.67	1,485.24	1,468.43	6.94	5.93	47.70	-106.37	1,236.71	1,065.83	1,053.08	12.74	83.627	
1,800.00	1,766.50	1,582.05	1,563.34	7.36	6.27	49.00	-116.82	1,252.68	1,068.08	1,054.71	13.37	79.868	
1,900.00	1,863.34	1,678.85	1,658.24	7.59	6.62	50.29	-127.27	1,268.65	1,070.92	1,057.28	13.64	78.528	
2,000.00	1,960.18	1,775.65	1,753.14	7.65	6.97	51.58	-137.72	1,284.62	1,074.34	1,060.38	13.96	76.939	
2,100.00	2,057.01	1,872.45	1,848.05	7.73	7.21	52.86	-148.17	1,300.59	1,078.33	1,064.29	14.04	76.800	
2,200.00	2,153.85	1,969.26	1,942.95	7.83	7.30	54.12	-158.62	1,316.56	1,082.89	1,068.70	14.19	76.316	
2,300.00	2,250.69	2,066.06	2,037.85	7.95	7.35	55.38	-169.07	1,332.53	1,088.00	1,073.67	14.33	75.901	
2,400.00	2,347.52	2,162.86	2,132.76	8.08	7.43	56.63	-179.52	1,348.50	1,093.67	1,079.16	14.51	75.353	
2,500.00	2,444.36	2,259.67	2,227.66	8.24	7.52	57.86	-189.96	1,364.46	1,099.88	1,085.15	14.73	74.686	
2,600.00	2,541.20	2,356.47	2,322.56	8.40	7.62	59.08	-200.41	1,380.43	1,106.63	1,091.65	14.97	73.917	
2,700.00	2,638.03	2,453.27	2,417.47	8.59	7.74	60.29	-210.86	1,396.40	1,113.89	1,098.65	15.25	73.062	
2,800.00	2,734.87	2,550.08	2,512.37	8.78	7.88	61.48	-221.31	1,412.37	1,121.68	1,106.13	15.55	72.136	
2,900.00	2,831.71	2,646.88	2,607.27	8.99	8.02	62.65	-231.76	1,428.34	1,129.96	1,114.08	15.88	71.155	
3,000.00	2,928.54	2,743.68	2,702.18	9.21	8.18	63.81	-242.21	1,444.31	1,138.74	1,122.50	16.24	70.135	
3,100.00	3,025.38	2,840.49	2,797.08	9.45	8.36	64.95	-252.66	1,460.28	1,148.00	1,131.38	16.62	69.088	
3,200.00	3,122.22	2,937.29	2,891.98	9.69	8.54	66.07	-263.11	1,476.25	1,157.73	1,140.71	17.02	68.025	
3,300.00	3,219.05	3,034.09	2,986.89	9.94	8.73	67.18	-273.56	1,492.22	1,167.92	1,150.47	17.44	66.958	
3,400.00	3,315.89	3,130.89	3,081.79	10.20	8.94	68.27	-284.01	1,508.19	1,178.55	1,160.66	17.89	65.895	
3,500.00	3,412.73	3,227.70	3,176.69	10.48	9.15	69.33	-294.46	1,524.16	1,189.62	1,171.27	18.35	64.843	
3,600.00	3,509.56	3,324.50	3,271.59	10.75	9.37	70.38	-304.90	1,540.13	1,201.10	1,182.28	18.82	63.809	
3,700.00	3,606.40	3,421.30	3,366.50	11.04	9.60	71.41	-315.35	1,556.10	1,213.00	1,193.69	19.32	62.797	
3,800.00	3,703.24	3,518.11	3,461.40	11.33	9.84	72.42	-325.80	1,572.07	1,225.30	1,205.47	19.82	61.810	
3,900.00	3,800.07	3,614.91	3,556.30	11.63	10.09	73.41	-336.25	1,588.04	1,237.98	1,217.64	20.34	60.852	
4,000.00	3,896.91	3,711.71	3,651.21	11.93	10.34	74.38	-346.70	1,604.01	1,251.04	1,230.16	20.88	59.924	
4,100.00	3,993.75	3,808.52	3,746.11	12.24	10.60	75.33	-357.15	1,619.97	1,264.46	1,243.04	21.42	59.028	
4,200.00	4,090.58	3,905.32	3,841.01	12.55	10.86	76.27	-367.60	1,635.94	1,278.23	1,256.25	21.98	58.165	
4,300.00	4,187.42	4,002.12	3,935.92	12.87	11.13	77.18	-378.05	1,651.91	1,292.34	1,269.80	22.54	57.334	
4,400.00	4,284.26	4,101.08	4,030.82	13.19	11.40	78.07	-388.50	1,667.88	1,306.78	1,283.66	23.12	56.523	
4,500.00	4,381.09	4,204.27	4,125.72	13.52	11.70	78.95	-398.95	1,683.85	1,321.54	1,297.82	23.72	55.720	
4,600.00	4,477.93	4,307.47	4,220.63	13.85	12.00	79.81	-409.40	1,699.82	1,336.61	1,312.28	24.32	54.950	
4,700.00	4,574.77	4,389.33	4,315.53	14.18	12.24	80.64	-419.84	1,715.79	1,351.97	1,327.09	24.88	54.334	
4,800.00	4,671.60	4,486.14	4,410.43	14.52	12.53	81.46	-430.29	1,731.76	1,367.62	1,342.13	25.49	53.661	
4,900.00	4,768.44	4,582.94	4,505.34	14.86	12.82	82.26	-440.74	1,747.73	1,383.55	1,357.45	26.10	53.017	
5,000.00	4,865.27	4,679.74	4,600.24	15.20	13.12	83.05	-451.19	1,763.70	1,399.75	1,373.04	26.71	52.401	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 34C-6-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	4,962.11	4,776.55	4,695.14	15.54	13.42	83.81	-461.64	1,779.67	1,416.20	1,388.87	27.33	51.812	
5,200.00	5,058.95	4,873.35	4,790.05	15.89	13.72	84.56	-472.09	1,795.64	1,432.91	1,404.95	27.96	51.250	
5,300.00	5,155.78	4,970.15	4,884.95	16.24	14.02	85.30	-482.54	1,811.61	1,449.86	1,421.27	28.59	50.711	
5,400.00	5,252.62	5,066.95	4,979.85	16.59	14.33	86.01	-492.99	1,827.58	1,467.04	1,437.81	29.23	50.197	
5,500.00	5,349.46	5,163.76	5,074.76	16.94	14.64	86.71	-503.44	1,843.55	1,484.45	1,454.58	29.87	49.705	
5,600.00	5,446.29	5,260.56	5,169.66	17.30	14.95	87.40	-513.89	1,859.52	1,502.07	1,471.56	30.51	49.235	
5,700.00	5,543.13	5,357.36	5,264.56	17.65	15.26	88.07	-524.34	1,875.49	1,519.90	1,488.75	31.16	48.785	
5,800.00	5,639.97	5,454.17	5,359.47	18.01	15.57	88.72	-534.78	1,891.45	1,537.94	1,506.13	31.81	48.354	
5,900.00	5,736.80	5,550.97	5,454.37	18.37	15.89	89.36	-545.23	1,907.42	1,556.17	1,523.71	32.46	47.942	
6,000.00	5,833.64	5,647.77	5,549.27	18.73	16.21	89.98	-555.68	1,923.39	1,574.59	1,541.47	33.12	47.548	
6,100.00	5,930.48	5,744.58	5,644.18	19.09	16.53	90.59	-566.13	1,939.36	1,593.19	1,559.41	33.77	47.171	
6,200.00	6,027.31	5,841.38	5,739.08	19.46	16.85	91.19	-576.58	1,955.33	1,611.97	1,577.53	34.44	46.809	
6,300.00	6,124.15	5,938.18	5,833.98	19.82	17.17	91.77	-587.03	1,971.30	1,630.91	1,595.81	35.10	46.463	
6,400.00	6,220.99	6,034.98	5,928.88	20.19	17.49	92.34	-597.48	1,987.27	1,650.02	1,614.25	35.77	46.131	
6,500.00	6,317.82	6,131.79	6,023.79	20.55	17.82	92.90	-607.93	2,003.24	1,669.29	1,632.85	36.44	45.812	
6,600.00	6,414.66	6,228.59	6,118.69	20.92	18.14	93.45	-618.38	2,019.21	1,688.71	1,651.60	37.11	45.507	
6,700.00	6,511.50	6,325.39	6,213.59	21.29	18.47	93.98	-628.83	2,035.18	1,708.28	1,670.50	37.78	45.214	
6,800.00	6,608.33	6,422.20	6,308.50	21.66	18.80	94.50	-639.27	2,051.15	1,727.99	1,689.53	38.46	44.933	
6,900.00	6,705.11	6,518.99	6,403.39	22.03	19.13	90.97	-649.72	2,067.12	1,747.68	1,708.55	39.14	44.658	
7,000.00	6,799.10	7,953.03	7,305.72	22.47	20.55	113.75	-755.75	1,313.21	1,733.14	1,691.56	41.58	41.680	
7,100.00	6,887.20	7,904.67	7,307.25	23.02	20.35	107.91	-755.57	1,361.54	1,721.18	1,679.00	42.18	40.808	
7,200.00	6,967.23	7,843.24	7,309.20	23.68	20.18	103.90	-755.33	1,422.94	1,713.61	1,670.79	42.82	40.015	
7,300.00	7,037.23	7,648.39	7,292.99	24.45	19.97	97.64	-752.10	1,616.39	1,707.65	1,664.41	43.24	39.492	
7,400.00	7,095.47	7,489.10	7,237.41	25.31	20.00	92.71	-744.81	1,765.05	1,699.32	1,655.24	44.08	38.551	
7,500.00	7,140.51	7,382.83	7,180.64	26.27	20.05	89.59	-737.83	1,854.46	1,690.86	1,645.77	45.09	37.496	
7,600.00	7,171.26	7,299.14	7,125.99	27.31	20.10	87.40	-731.28	1,917.42	1,682.80	1,636.66	46.14	36.473	
7,700.00	7,186.94	7,226.95	7,072.60	28.40	20.14	85.78	-724.98	1,965.54	1,675.11	1,627.94	47.17	35.515	
7,800.00	7,188.83	7,162.81	7,020.88	29.51	20.16	84.29	-718.95	2,002.95	1,667.99	1,619.83	48.15	34.639	
7,900.00	7,188.47	7,112.68	6,978.01	30.67	20.17	82.81	-713.99	2,028.43	1,664.45	1,615.34	49.11	33.895	
7,926.00	7,188.38	7,101.66	6,968.32	30.98	20.17	82.47	-712.87	2,033.57	1,664.28	1,614.93	49.35	33.722	
8,000.00	7,188.11	7,073.88	6,943.53	31.88	20.16	81.61	-710.02	2,045.77	1,665.64	1,615.62	50.02	33.300	
8,100.00	7,187.76	7,043.17	6,915.54	33.12	20.16	80.64	-706.82	2,057.97	1,671.96	1,621.07	50.88	32.858	
8,200.00	7,187.40	7,018.37	6,892.53	34.40	20.15	79.85	-704.19	2,066.83	1,683.58	1,631.89	51.69	32.572	
8,300.00	7,187.04	7,000.00	6,875.27	35.71	20.15	79.25	-702.22	2,072.80	1,700.56	1,648.13	52.43	32.433 SF	
8,400.00	7,186.68	6,980.95	6,857.19	37.05	20.13	78.63	-700.17	2,078.47	1,722.85	1,669.77	53.08	32.456	
8,500.00	7,186.32	6,966.53	6,843.41	38.42	20.13	78.15	-698.60	2,082.39	1,750.32	1,696.66	53.66	32.616	
8,600.00	7,185.96	6,950.00	6,827.50	39.81	20.12	77.61	-696.80	2,086.50	1,782.80	1,728.66	54.14	32.928	
8,700.00	7,185.60	6,950.00	6,827.50	41.22	20.12	77.61	-696.80	2,086.50	1,820.06	1,765.43	54.62	33.320	
8,800.00	7,185.24	6,934.15	6,812.15	42.65	20.10	77.08	-695.07	2,090.06	1,861.78	1,806.85	54.93	33.892	
8,900.00	7,184.89	6,925.92	6,804.15	44.10	20.10	76.80	-694.16	2,091.75	1,907.76	1,852.55	55.21	34.555	
9,000.00	7,184.53	6,918.62	6,797.04	45.56	20.09	76.56	-693.36	2,093.16	1,957.70	1,902.27	55.42	35.322	
9,100.00	7,184.17	6,900.00	6,778.81	47.04	20.07	75.94	-691.31	2,096.39	2,011.41	1,955.91	55.51	36.238	
9,200.00	7,183.81	6,900.00	6,778.81	48.52	20.07	75.94	-691.31	2,096.39	2,068.34	2,012.69	55.65	37.165	
9,300.00	7,183.45	6,900.00	6,778.81	50.03	20.07	75.94	-691.31	2,096.39	2,128.44	2,072.69	55.75	38.176	
9,400.00	7,183.09	6,900.00	6,778.81	51.54	20.07	75.94	-691.31	2,096.39	2,191.46	2,135.65	55.82	39.263	
9,500.00	7,182.73	6,900.00	6,778.81	53.06	20.07	75.94	-691.31	2,096.39	2,257.16	2,201.31	55.85	40.418	
9,600.00	7,182.37	6,900.00	6,778.81	54.59	20.07	75.50	-691.31	2,096.39	2,326.30	2,270.45	55.85	41.655	
9,700.00	7,182.01	6,900.00	6,778.81	56.12	20.07	75.39	-691.31	2,096.39	2,399.18	2,343.35	55.83	42.973	
9,800.00	7,181.65	6,880.48	6,759.61	57.67	20.05	74.72	-689.15	2,099.20	2,473.69	2,418.02	55.68	44.430	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 34N-6B-M - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2.00	-2.00	3.28	3.28	90.19	-3.62	1,099.72	1,099.72					
100.00	100.00	102.00	98.00	3.28	3.28	90.19	-3.62	1,099.72	1,099.72	1,092.19	7.53	146.063		
200.00	200.00	198.00	198.00	3.31	3.30	90.19	-3.62	1,099.72	1,099.72	1,092.15	7.57	145.212		
300.00	300.00	272.69	272.68	3.35	3.33	34.71	-4.01	1,100.55	1,100.62	1,092.98	7.65	143.959		
400.00	399.94	346.79	346.73	3.42	3.37	34.83	-5.22	1,103.12	1,101.52	1,093.77	7.74	142.247		
500.00	499.72	420.73	420.51	3.51	3.43	35.07	-7.24	1,107.41	1,101.91	1,094.04	7.87	140.010		
600.00	599.20	500.00	499.45	3.62	3.50	35.47	-10.30	1,113.92	1,101.87	1,093.83	8.04	137.123		
700.00	698.27	567.78	566.77	3.76	3.57	35.93	-13.66	1,121.05	1,101.39	1,093.17	8.22	134.010		
800.00	796.81	640.73	638.99	3.93	3.67	36.53	-18.02	1,130.33	1,100.60	1,092.16	8.44	130.339		
900.00	894.69	713.17	710.43	4.15	3.79	37.24	-23.13	1,141.20	1,099.59	1,090.89	8.71	126.294		
1,000.00	991.81	801.25	796.97	4.41	3.97	38.25	-30.11	1,156.02	1,098.06	1,089.00	9.06	121.258		
1,100.00	1,088.65	901.27	892.73	4.71	4.20	39.38	-37.88	1,172.54	1,096.19	1,086.70	9.48	115.613		
1,200.00	1,185.48	996.21	988.48	5.04	4.44	40.51	-45.66	1,189.07	1,094.76	1,084.83	9.94	110.149		
1,300.00	1,282.32	1,106.31	1,084.23	5.39	4.75	41.65	-53.44	1,205.60	1,093.80	1,083.33	10.46	104.522		
1,400.00	1,379.16	1,208.83	1,179.99	5.76	5.05	42.79	-61.21	1,222.13	1,093.28	1,082.28	11.01	99.324		
1,462.95	1,440.12	1,252.54	1,240.27	6.00	5.19	43.51	-66.11	1,232.53	1,093.19	1,081.88	11.31	96.636 CC		
1,500.00	1,475.99	1,288.65	1,275.74	6.14	5.30	43.93	-68.99	1,238.66	1,093.22	1,081.70	11.52	94.879		
1,600.00	1,572.83	1,386.13	1,371.49	6.54	5.61	45.07	-76.77	1,255.18	1,093.62	1,081.52	12.10	90.378 ES		
1,700.00	1,669.67	1,483.61	1,467.25	6.94	5.94	46.21	-84.54	1,271.71	1,094.47	1,081.77	12.70	86.165		
1,800.00	1,766.50	1,581.09	1,563.00	7.36	6.27	47.34	-92.32	1,288.24	1,095.77	1,082.45	13.32	82.256		
1,900.00	1,863.34	1,678.57	1,658.76	7.59	6.61	48.47	-100.10	1,304.77	1,097.53	1,083.95	13.58	80.823		
2,000.00	1,960.18	1,776.05	1,754.51	7.65	6.96	49.60	-107.87	1,321.30	1,099.74	1,085.84	13.90	79.116		
2,100.00	2,057.01	1,873.53	1,850.26	7.73	7.19	50.73	-115.65	1,337.82	1,102.39	1,088.41	13.97	78.888		
2,200.00	2,153.85	1,971.02	1,946.02	7.83	7.28	51.85	-123.43	1,354.35	1,105.49	1,091.36	14.12	78.287		
2,300.00	2,250.69	2,068.50	2,041.77	7.95	7.33	52.96	-131.20	1,370.88	1,109.02	1,094.76	14.27	77.737		
2,400.00	2,347.52	2,165.98	2,137.53	8.08	7.40	54.06	-138.98	1,387.41	1,112.99	1,098.55	14.45	77.046		
2,500.00	2,444.36	2,263.46	2,233.28	8.24	7.49	55.16	-146.76	1,403.94	1,117.40	1,102.74	14.66	76.229		
2,600.00	2,541.20	2,360.94	2,329.03	8.40	7.59	56.25	-154.53	1,420.46	1,122.23	1,107.32	14.90	75.303		
2,700.00	2,638.03	2,458.42	2,424.79	8.59	7.71	57.33	-162.31	1,436.99	1,127.48	1,112.30	15.18	74.287		
2,800.00	2,734.87	2,555.90	2,520.54	8.78	7.83	58.40	-170.09	1,453.52	1,133.14	1,117.66	15.48	73.197		
2,900.00	2,831.71	2,653.38	2,616.30	8.99	7.98	59.46	-177.86	1,470.05	1,139.22	1,123.41	15.81	72.051		
3,000.00	2,928.54	2,750.86	2,712.05	9.21	8.13	60.51	-185.64	1,486.58	1,145.69	1,129.53	16.17	70.865		
3,100.00	3,025.38	2,848.34	2,807.80	9.45	8.30	61.54	-193.42	1,503.10	1,152.56	1,136.02	16.55	69.652		
3,200.00	3,122.22	2,945.82	2,903.56	9.69	8.48	62.57	-201.19	1,519.63	1,159.82	1,142.87	16.95	68.426		
3,300.00	3,219.05	3,043.30	2,999.31	9.94	8.67	63.58	-208.97	1,536.16	1,167.47	1,150.09	17.37	67.198		
3,400.00	3,315.89	3,140.78	3,095.07	10.20	8.86	64.58	-216.75	1,552.69	1,175.48	1,157.66	17.82	65.977		
3,500.00	3,412.73	3,238.26	3,190.82	10.48	9.07	65.56	-224.52	1,569.22	1,183.86	1,165.58	18.28	64.770		
3,600.00	3,509.56	3,335.74	3,286.57	10.75	9.29	66.53	-232.30	1,585.74	1,192.60	1,173.84	18.76	63.585		
3,700.00	3,606.40	3,433.22	3,382.33	11.04	9.51	67.49	-240.08	1,602.27	1,201.69	1,182.44	19.25	62.427		
3,800.00	3,703.24	3,530.70	3,478.08	11.33	9.74	68.44	-247.85	1,618.80	1,211.12	1,191.36	19.76	61.298		
3,900.00	3,800.07	3,628.19	3,573.84	11.63	9.98	69.37	-255.63	1,635.33	1,220.89	1,200.61	20.28	60.203		
4,000.00	3,896.91	3,725.67	3,669.59	11.93	10.22	70.28	-263.40	1,651.86	1,230.98	1,210.17	20.81	59.143		
4,100.00	3,993.75	3,823.15	3,765.34	12.24	10.48	71.18	-271.18	1,668.38	1,241.39	1,220.03	21.36	58.119		
4,200.00	4,090.58	3,920.63	3,861.10	12.55	10.73	72.07	-278.96	1,684.91	1,252.12	1,230.20	21.92	57.133		
4,300.00	4,187.42	4,018.11	3,956.85	12.87	10.99	72.94	-286.73	1,701.44	1,263.14	1,240.66	22.48	56.184		
4,400.00	4,284.26	4,115.59	4,052.61	13.19	11.26	73.80	-294.51	1,717.97	1,274.46	1,251.40	23.06	55.272		
4,500.00	4,381.09	4,213.07	4,148.36	13.52	11.53	74.64	-302.29	1,734.50	1,286.07	1,262.43	23.64	54.398		
4,600.00	4,477.93	4,310.55	4,244.11	13.85	11.80	75.47	-310.06	1,751.02	1,297.96	1,273.72	24.23	53.559		
4,700.00	4,574.77	4,408.03	4,339.87	14.18	12.08	76.28	-317.84	1,767.55	1,310.12	1,285.28	24.83	52.757		
4,800.00	4,671.60	4,505.51	4,435.62	14.52	12.36	77.08	-325.62	1,784.08	1,322.54	1,297.10	25.44	51.987		
4,900.00	4,768.44	4,602.99	4,531.38	14.86	12.65	77.86	-333.39	1,800.61	1,335.22	1,309.17	26.05	51.252		
5,000.00	4,865.27	4,700.47	4,627.13	15.20	12.94	78.63	-341.17	1,817.14	1,348.15	1,321.48	26.67	50.548		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 34N-6B-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.00	4,962.11	4,802.05	4,722.88	15.54	13.24	79.39	-348.95	1,833.66	1,361.33	1,334.02	27.31	49.855	
5,200.00	5,058.95	4,904.57	4,818.64	15.89	13.55	80.13	-356.72	1,850.19	1,374.74	1,346.79	27.95	49.187	
5,300.00	5,155.78	5,007.09	4,914.39	16.24	13.86	80.86	-364.50	1,866.72	1,388.38	1,359.78	28.60	48.550	
5,400.00	5,252.62	5,109.61	5,010.14	16.59	14.18	81.57	-372.28	1,883.25	1,402.24	1,372.99	29.25	47.940	
5,500.00	5,349.46	5,187.87	5,105.90	16.94	14.42	82.27	-380.05	1,899.77	1,416.31	1,386.47	29.84	47.464	
5,600.00	5,446.29	5,285.36	5,201.65	17.30	14.72	82.96	-387.83	1,916.30	1,430.60	1,400.11	30.49	46.925	
5,700.00	5,543.13	5,382.84	5,297.41	17.65	15.03	83.63	-395.61	1,932.83	1,445.08	1,413.95	31.14	46.411	
5,800.00	5,639.97	5,480.32	5,393.16	18.01	15.33	84.29	-403.38	1,949.36	1,459.77	1,427.98	31.79	45.918	
5,900.00	5,736.80	5,577.80	5,488.91	18.37	15.64	84.94	-411.16	1,965.89	1,474.65	1,442.20	32.45	45.446	
6,000.00	5,833.64	5,675.28	5,584.67	18.73	15.95	85.57	-418.94	1,982.41	1,489.71	1,456.60	33.11	44.995	
6,100.00	5,930.48	5,772.76	5,680.42	19.09	16.27	86.19	-426.71	1,998.94	1,504.95	1,471.18	33.77	44.563	
6,200.00	6,027.31	5,870.24	5,776.18	19.46	16.58	86.80	-434.49	2,015.47	1,520.37	1,485.93	34.44	44.149	
6,300.00	6,124.15	5,967.72	5,871.93	19.82	16.90	87.40	-442.27	2,032.00	1,535.95	1,500.85	35.10	43.753	
6,400.00	6,220.99	6,065.20	5,967.68	20.19	17.21	87.99	-450.04	2,048.53	1,551.70	1,515.93	35.78	43.373	
6,500.00	6,317.82	6,162.68	6,063.44	20.55	17.53	88.56	-457.82	2,065.05	1,567.61	1,531.16	36.45	43.009	
6,600.00	6,414.66	7,863.12	7,110.22	20.92	20.58	129.72	-549.30	1,217.33	1,559.37	1,520.26	39.11	39.869	
6,700.00	6,511.50	7,839.96	7,110.83	21.29	20.42	128.86	-549.20	1,240.48	1,531.65	1,491.84	39.81	38.471	
6,800.00	6,608.33	7,816.80	7,111.44	21.66	20.27	127.99	-549.11	1,263.63	1,509.70	1,469.22	40.47	37.302	
6,900.00	6,705.11	7,806.65	7,112.06	22.03	20.20	123.58	-549.01	1,287.08	1,493.77	1,452.61	41.16	36.290	
7,000.00	6,799.10	7,759.75	7,112.94	22.47	19.93	111.67	-548.87	1,320.66	1,483.92	1,442.28	41.64	35.639	
7,100.00	6,887.20	7,711.86	7,114.20	23.02	19.68	104.93	-548.67	1,368.53	1,479.55	1,437.42	42.14	35.112	
7,149.56	6,928.00	7,683.18	7,114.95	23.35	19.55	102.34	-548.56	1,397.20	1,479.08	1,436.68	42.40	34.883	
7,200.00	6,967.23	7,650.86	7,115.80	23.68	19.42	99.98	-548.42	1,429.52	1,479.51	1,436.86	42.65	34.691	
7,300.00	7,037.23	7,565.56	7,116.81	24.45	19.15	95.58	-547.97	1,514.79	1,482.15	1,439.01	43.14	34.355	
7,400.00	7,095.47	7,464.87	7,105.30	25.31	18.96	91.49	-546.39	1,614.70	1,485.03	1,441.30	43.73	33.958	
7,500.00	7,140.51	7,376.09	7,082.23	26.27	18.88	88.20	-543.96	1,700.32	1,487.58	1,443.13	44.45	33.466	
7,600.00	7,171.26	7,295.49	7,051.20	27.31	18.85	85.54	-540.94	1,774.58	1,489.54	1,444.30	45.25	32.920	
7,700.00	7,186.94	7,220.74	7,014.27	28.40	18.86	83.43	-537.49	1,839.44	1,490.60	1,444.51	46.09	32.341	
7,800.00	7,188.83	7,151.10	6,973.27	29.51	18.88	81.76	-533.76	1,895.56	1,490.87	1,443.94	46.93	31.766	
7,900.00	7,188.47	7,091.20	6,933.29	30.67	18.91	80.22	-530.19	1,939.99	1,493.86	1,446.10	47.75	31.282	
8,000.00	7,188.11	7,040.70	6,896.47	31.88	18.93	78.81	-526.95	1,974.39	1,500.90	1,452.37	48.52	30.932	
8,100.00	7,187.76	7,000.00	6,864.89	33.12	18.95	77.60	-524.19	1,999.91	1,512.51	1,463.29	49.23	30.725	
8,200.00	7,187.40	6,961.84	6,833.87	34.40	18.96	76.41	-521.50	2,021.95	1,529.04	1,479.19	49.84	30.676 SF	
8,300.00	7,187.04	6,930.93	6,807.80	35.71	18.97	75.43	-519.25	2,038.41	1,550.65	1,500.27	50.38	30.778	
8,400.00	7,186.68	6,900.00	6,780.96	37.05	18.98	74.42	-516.94	2,053.59	1,577.39	1,526.57	50.82	31.038	
8,500.00	7,186.32	6,881.29	6,764.37	38.42	18.98	73.79	-515.52	2,062.13	1,609.15	1,557.94	51.21	31.426	
8,600.00	7,185.96	6,850.00	6,736.10	39.81	18.98	72.74	-513.11	2,075.31	1,645.89	1,594.45	51.45	31.992	
8,700.00	7,185.60	6,850.00	6,736.10	41.22	18.98	72.74	-513.11	2,075.31	1,687.17	1,635.43	51.74	32.608	
8,800.00	7,185.24	6,827.89	6,715.75	42.65	18.98	71.99	-511.39	2,083.77	1,732.89	1,681.03	51.86	33.414	
8,900.00	7,184.89	6,813.99	6,702.81	44.10	18.98	71.51	-510.29	2,088.73	1,782.77	1,730.82	51.95	34.315	
9,000.00	7,184.53	6,800.00	6,689.68	45.56	18.97	71.03	-509.18	2,093.43	1,836.51	1,784.52	51.99	35.326	
9,100.00	7,184.17	6,800.00	6,689.68	47.04	18.97	71.03	-509.18	2,093.43	1,893.86	1,841.82	52.04	36.390	
9,200.00	7,183.81	6,780.29	6,671.01	48.52	18.97	70.35	-507.60	2,099.56	1,954.34	1,902.38	51.96	37.613	
9,300.00	7,183.45	6,771.12	6,662.27	50.03	18.96	70.03	-506.87	2,102.21	2,017.90	1,966.00	51.90	38.883	
9,400.00	7,183.09	6,750.00	6,641.98	51.54	18.95	69.30	-505.16	2,107.84	2,084.33	2,032.58	51.74	40.281	
9,500.00	7,182.73	6,750.00	6,641.98	53.06	18.95	69.30	-505.16	2,107.84	2,153.02	2,101.33	51.69	41.654	
9,600.00	7,182.37	6,750.00	6,641.98	54.59	18.95	68.61	-505.16	2,107.84	2,225.01	2,173.39	51.62	43.106	
9,700.00	7,182.01	6,750.00	6,641.98	56.12	18.95	68.44	-505.16	2,107.84	2,300.53	2,248.99	51.54	44.633	
9,800.00	7,181.65	6,750.00	6,641.98	57.67	18.95	68.44	-505.16	2,107.84	2,377.91	2,326.44	51.46	46.207	
9,900.00	7,181.30	6,729.91	6,622.52	59.23	18.94	67.73	-503.53	2,112.57	2,456.57	2,405.30	51.27	47.912	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 34N-6C-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.00	-2.00	3.28	3.28	90.18	-3.26	1,059.63	1,059.63				
100.00	100.00	102.00	98.00	3.28	3.28	90.18	-3.26	1,059.63	1,059.63	1,052.10	7.53	140.738	
200.00	200.00	202.00	198.00	3.31	3.31	90.18	-3.26	1,059.63	1,059.63	1,052.06	7.57	139.893	
300.00	300.00	287.29	287.29	3.35	3.34	34.69	-3.41	1,059.81	1,059.64	1,051.99	7.65	138.438	
400.00	399.94	364.92	364.89	3.42	3.38	34.84	-4.72	1,061.41	1,059.13	1,051.37	7.76	136.538	
500.00	499.72	442.34	442.20	3.51	3.44	35.16	-7.34	1,064.62	1,057.88	1,049.99	7.89	134.069	
600.00	599.20	519.40	519.00	3.62	3.51	35.63	-11.27	1,069.42	1,055.96	1,047.90	8.06	131.070	
700.00	698.27	595.96	595.12	3.76	3.59	36.26	-16.47	1,075.77	1,053.45	1,045.19	8.26	127.589	
800.00	796.81	671.89	670.36	3.93	3.70	37.05	-22.90	1,083.62	1,050.48	1,041.99	8.49	123.659	
900.00	894.69	747.04	744.55	4.15	3.82	37.99	-30.50	1,092.91	1,047.19	1,038.42	8.77	119.362	
1,000.00	991.81	821.32	817.54	4.41	3.97	39.06	-39.22	1,103.57	1,043.81	1,034.71	9.09	114.772	
1,100.00	1,088.65	900.46	894.00	4.71	4.15	40.24	-49.65	1,116.32	1,042.20	1,032.73	9.47	110.033	
1,177.82	1,164.01	974.26	966.93	4.96	4.35	41.38	-59.98	1,128.93	1,041.97	1,032.13	9.84	105.916 CC	
1,200.00	1,185.48	1,004.44	987.71	5.04	4.43	41.71	-62.92	1,132.53	1,041.99	1,032.02	9.97	104.560 ES	
1,300.00	1,282.32	1,108.42	1,081.42	5.39	4.74	43.19	-76.19	1,148.74	1,042.53	1,032.03	10.50	99.276	
1,400.00	1,379.16	1,187.61	1,175.13	5.76	5.00	44.66	-89.45	1,164.95	1,043.82	1,032.81	11.01	94.816	
1,500.00	1,475.99	1,283.63	1,268.84	6.14	5.32	46.12	-102.72	1,181.16	1,045.85	1,034.26	11.59	90.268	
1,600.00	1,572.83	1,379.65	1,362.55	6.54	5.66	47.58	-115.99	1,197.37	1,048.62	1,036.43	12.19	86.048	
1,700.00	1,669.67	1,475.68	1,456.26	6.94	6.02	49.04	-129.25	1,213.58	1,052.12	1,039.31	12.81	82.144	
1,800.00	1,766.50	1,571.70	1,549.98	7.36	6.38	50.48	-142.52	1,229.79	1,056.35	1,042.90	13.45	78.542	
1,900.00	1,863.34	1,667.72	1,643.69	7.59	6.75	51.91	-155.78	1,246.00	1,061.30	1,047.58	13.72	77.332	
2,000.00	1,960.18	1,763.75	1,737.40	7.65	7.13	53.33	-169.05	1,262.21	1,066.96	1,052.90	14.06	75.890	
2,100.00	2,057.01	1,859.77	1,831.11	7.73	7.41	54.73	-182.32	1,278.42	1,073.31	1,059.15	14.16	75.808	
2,200.00	2,153.85	1,955.79	1,924.82	7.83	7.52	56.12	-195.58	1,294.63	1,080.35	1,066.03	14.32	75.426	
2,300.00	2,250.69	2,051.82	2,018.53	7.95	7.58	57.49	-208.85	1,310.84	1,088.06	1,073.59	14.46	75.225	
2,400.00	2,347.52	2,147.84	2,112.24	8.08	7.66	58.84	-222.12	1,327.05	1,096.42	1,081.78	14.64	74.894	
2,500.00	2,444.36	2,243.86	2,205.95	8.24	7.76	60.17	-235.38	1,343.26	1,105.43	1,090.58	14.85	74.444	
2,600.00	2,541.20	2,339.89	2,299.66	8.40	7.87	61.48	-248.65	1,359.47	1,115.07	1,099.97	15.09	73.890	
2,700.00	2,638.03	2,435.91	2,393.37	8.59	7.99	62.77	-261.92	1,375.68	1,125.31	1,109.95	15.36	73.247	
2,800.00	2,734.87	2,531.93	2,487.08	8.78	8.13	64.04	-275.18	1,391.89	1,136.15	1,120.48	15.66	72.528	
2,900.00	2,831.71	2,627.96	2,580.79	8.99	8.29	65.28	-288.45	1,408.10	1,147.56	1,131.57	15.99	71.749	
3,000.00	2,928.54	2,723.98	2,674.50	9.21	8.46	66.50	-301.72	1,424.31	1,159.54	1,143.19	16.35	70.924	
3,100.00	3,025.38	2,820.00	2,768.22	9.45	8.64	67.70	-314.98	1,440.52	1,172.06	1,155.33	16.73	70.064	
3,200.00	3,122.22	2,916.03	2,861.93	9.69	8.83	68.87	-328.25	1,456.73	1,185.10	1,167.97	17.13	69.182	
3,300.00	3,219.05	3,012.05	2,955.64	9.94	9.04	70.02	-341.52	1,472.94	1,198.65	1,181.10	17.55	68.287	
3,400.00	3,315.89	3,108.07	3,049.35	10.20	9.25	71.14	-354.78	1,489.15	1,212.70	1,194.70	18.00	67.388	
3,500.00	3,412.73	3,204.10	3,143.06	10.48	9.48	72.24	-368.05	1,505.36	1,227.22	1,208.76	18.46	66.494	
3,600.00	3,509.56	3,300.12	3,236.77	10.75	9.71	73.32	-381.32	1,521.57	1,242.19	1,223.26	18.93	65.606	
3,700.00	3,606.40	3,396.14	3,330.48	11.04	9.95	74.37	-394.58	1,537.78	1,257.61	1,238.18	19.43	64.733	
3,800.00	3,703.24	3,507.83	3,424.19	11.33	10.24	75.39	-407.85	1,553.99	1,273.46	1,253.49	19.97	63.768	
3,900.00	3,800.07	3,588.19	3,517.90	11.63	10.46	76.39	-421.12	1,570.20	1,289.71	1,269.25	20.46	63.045	
4,000.00	3,896.91	3,684.21	3,611.61	11.93	10.72	77.37	-434.38	1,586.41	1,306.36	1,285.37	20.99	62.236	
4,100.00	3,993.75	3,780.24	3,705.32	12.24	10.99	78.32	-447.65	1,602.62	1,323.38	1,301.85	21.54	61.451	
4,200.00	4,090.58	3,876.26	3,799.03	12.55	11.27	79.25	-460.92	1,618.83	1,340.78	1,318.69	22.09	60.693	
4,300.00	4,187.42	3,972.28	3,892.75	12.87	11.55	80.16	-474.18	1,635.04	1,358.52	1,335.86	22.66	59.961	
4,400.00	4,284.26	4,068.31	3,986.46	13.19	11.84	81.05	-487.45	1,651.25	1,376.60	1,353.37	23.23	59.256	
4,500.00	4,381.09	4,164.33	4,080.17	13.52	12.13	81.91	-500.72	1,667.46	1,395.01	1,371.19	23.81	58.578	
4,600.00	4,477.93	4,260.35	4,173.88	13.85	12.42	82.75	-513.98	1,683.67	1,413.73	1,389.32	24.41	57.927	
4,700.00	4,574.77	4,356.38	4,267.59	14.18	12.72	83.57	-527.25	1,699.88	1,432.74	1,407.74	25.00	57.302	
4,800.00	4,671.60	4,452.40	4,361.30	14.52	13.02	84.37	-540.52	1,716.09	1,452.05	1,426.44	25.61	56.702	
4,900.00	4,768.44	4,548.42	4,455.01	14.86	13.33	85.15	-553.78	1,732.30	1,471.63	1,445.41	26.22	56.127	
5,000.00	4,865.27	4,644.45	4,548.72	15.20	13.64	85.91	-567.05	1,748.51	1,491.48	1,464.64	26.84	55.575	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 34N-6C-M - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	4,962.11	4,740.47	4,642.43	15.54	13.95	86.65	-580.32	1,764.72	1,511.58	1,484.12	27.46	55.047		
5,200.00	5,058.95	4,836.49	4,736.14	15.89	14.26	87.37	-593.58	1,780.93	1,531.93	1,503.84	28.09	54.541		
5,300.00	5,155.78	4,932.52	4,829.85	16.24	14.58	88.07	-606.85	1,797.14	1,552.51	1,523.79	28.72	54.057		
5,400.00	5,252.62	5,028.54	4,923.56	16.59	14.90	88.75	-620.12	1,813.35	1,573.32	1,543.96	29.36	53.592		
5,500.00	5,349.46	5,124.56	5,017.27	16.94	15.22	89.42	-633.38	1,829.56	1,594.35	1,564.35	30.00	53.148		
5,600.00	5,446.29	5,220.59	5,110.99	17.30	15.55	90.07	-646.65	1,845.77	1,615.58	1,584.94	30.64	52.721		
5,700.00	5,543.13	5,316.61	5,204.70	17.65	15.87	90.71	-659.92	1,861.98	1,637.02	1,605.73	31.29	52.313		
5,800.00	5,639.97	5,412.63	5,298.41	18.01	16.20	91.33	-673.18	1,878.19	1,658.65	1,626.70	31.95	51.922		
5,900.00	5,736.80	5,508.66	5,392.12	18.37	16.53	91.93	-686.45	1,894.40	1,680.46	1,647.86	32.60	51.547		
6,000.00	5,833.64	5,604.68	5,485.83	18.73	16.87	92.52	-699.72	1,910.61	1,702.46	1,669.20	33.26	51.187		
6,100.00	5,930.48	5,700.70	5,579.54	19.09	17.20	93.09	-712.98	1,926.82	1,724.62	1,690.70	33.92	50.841		
6,200.00	6,027.31	5,803.27	5,673.25	19.46	17.56	93.65	-726.25	1,943.03	1,746.95	1,712.34	34.61	50.481		
6,300.00	6,124.15	5,907.25	5,766.96	19.82	17.92	94.19	-739.52	1,959.24	1,769.44	1,734.14	35.30	50.129		
6,400.00	6,220.99	5,988.77	5,860.67	20.19	18.21	94.73	-752.78	1,975.45	1,792.08	1,756.16	35.92	49.887		
6,500.00	6,317.82	6,084.80	5,954.38	20.55	18.55	95.25	-766.05	1,991.66	1,814.87	1,778.27	36.60	49.593		
6,600.00	6,414.66	6,180.82	6,048.09	20.92	18.89	95.75	-779.32	2,007.87	1,837.80	1,800.53	37.27	49.311		
6,700.00	6,511.50	6,276.84	6,141.80	21.29	19.23	96.25	-792.58	2,024.08	1,860.86	1,822.92	37.95	49.040		
6,800.00	6,608.33	6,372.87	6,235.51	21.66	19.57	96.73	-805.85	2,040.29	1,884.06	1,845.44	38.62	48.780		
6,900.00	6,705.11	7,873.10	7,186.78	22.03	20.90	123.30	-951.16	1,285.87	1,901.40	1,859.91	41.48	45.837		
7,000.00	6,799.10	7,838.52	7,188.04	22.47	20.79	111.52	-950.94	1,320.42	1,892.80	1,850.76	42.04	45.025		
7,100.00	6,887.20	7,789.72	7,189.82	23.02	20.67	105.11	-950.63	1,369.19	1,888.41	1,845.83	42.58	44.345		
7,200.00	6,967.23	7,720.22	7,192.29	23.68	20.60	100.48	-950.18	1,438.65	1,887.32	1,844.18	43.14	43.746		
7,300.00	7,037.23	7,300.00	7,155.19	24.45	20.80	93.06	-942.22	1,666.64	1,885.43	1,842.23	43.20	43.643		
7,400.00	7,095.47	7,386.65	7,114.48	25.31	20.73	89.52	-935.30	1,758.75	1,882.17	1,837.85	44.32	42.467		
7,500.00	7,140.51	7,294.65	7,065.00	26.27	20.80	86.65	-927.31	1,835.81	1,878.45	1,833.21	45.25	41.515		
7,600.00	7,171.26	7,218.09	7,015.78	27.31	20.85	84.56	-919.57	1,893.88	1,874.32	1,828.10	46.22	40.552		
7,700.00	7,186.94	7,150.03	6,966.51	28.40	20.88	83.02	-911.96	1,940.16	1,869.55	1,822.36	47.20	39.612		
7,800.00	7,188.83	7,088.44	6,917.92	29.51	20.90	81.71	-904.55	1,977.24	1,864.36	1,816.21	48.15	38.717		
7,900.00	7,188.47	7,039.31	6,876.76	30.67	20.91	80.43	-898.34	2,003.30	1,862.22	1,813.13	49.10	37.929		
7,902.64	7,188.46	7,038.17	6,875.78	30.70	20.91	80.40	-898.20	2,003.87	1,862.22	1,813.10	49.12	37.910		
8,000.00	7,188.11	7,000.00	6,842.46	31.88	20.91	79.36	-893.20	2,021.80	1,864.28	1,814.26	50.02	37.271		
8,100.00	7,187.76	6,969.54	6,815.14	33.12	20.90	78.51	-889.13	2,034.64	1,870.86	1,819.94	50.91	36.745		
8,200.00	7,187.40	6,950.00	6,797.31	34.40	20.89	77.96	-886.49	2,042.18	1,882.15	1,830.36	51.79	36.339		
8,300.00	7,187.04	6,923.11	6,772.41	35.71	20.88	77.18	-882.80	2,051.64	1,898.18	1,845.60	52.58	36.104		
8,400.00	7,186.68	6,900.00	6,750.71	37.05	20.87	76.51	-879.60	2,058.91	1,918.98	1,865.68	53.30	36.003		
8,500.00	7,186.32	6,900.00	6,750.71	38.42	20.87	76.51	-879.60	2,058.91	1,944.48	1,890.42	54.06	35.966 SF		
8,600.00	7,185.96	6,877.31	6,729.16	39.81	20.85	75.85	-876.44	2,065.27	1,974.43	1,919.80	54.64	36.138		
8,700.00	7,185.60	6,866.01	6,718.36	41.22	20.84	75.51	-874.85	2,068.15	2,008.81	1,953.62	55.19	36.396		
8,800.00	7,185.24	6,850.00	6,702.95	42.65	20.83	75.04	-872.60	2,071.89	2,047.40	1,991.75	55.65	36.791		
8,900.00	7,184.89	6,850.00	6,702.95	44.10	20.83	75.04	-872.60	2,071.89	2,089.92	2,033.79	56.13	37.235		
9,000.00	7,184.53	6,850.00	6,702.95	45.56	20.83	75.04	-872.60	2,071.89	2,136.27	2,079.73	56.54	37.782		
9,100.00	7,184.17	6,832.59	6,686.11	47.04	20.81	74.52	-870.13	2,075.52	2,186.02	2,129.24	56.79	38.496		
9,200.00	7,183.81	6,826.32	6,680.01	48.52	20.81	74.33	-869.25	2,076.71	2,239.15	2,182.10	57.04	39.253		
9,300.00	7,183.45	6,820.64	6,674.48	50.03	20.80	74.16	-868.44	2,077.74	2,295.35	2,238.09	57.25	40.091		
9,400.00	7,183.09	6,800.00	6,654.32	51.54	20.78	73.55	-865.51	2,081.05	2,354.59	2,297.27	57.32	41.079		
9,500.00	7,182.73	6,800.00	6,654.32	53.06	20.78	73.55	-865.51	2,081.05	2,416.24	2,358.75	57.48	42.033		
9,600.00	7,182.37	6,800.00	6,654.32	54.59	20.78	73.09	-865.51	2,081.05	2,481.43	2,423.81	57.61	43.072		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36C-3-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.00	-2.00	3.28	3.28	90.46	-1.46	179.85	179.86				
100.00	100.00	102.00	98.00	3.28	3.28	90.46	-1.46	179.85	179.86	172.33	7.53	23.888	
200.00	200.00	198.00	198.00	3.31	3.30	90.46	-1.46	179.85	179.86	172.29	7.57	23.749	CC, ES
300.00	300.00	293.38	293.37	3.35	3.34	35.31	-2.42	181.03	180.88	173.23	7.65	23.632	
400.00	399.94	388.47	388.34	3.42	3.40	36.74	-5.36	184.67	182.25	174.48	7.77	23.466	
500.00	499.72	483.14	482.67	3.51	3.48	39.35	-10.26	190.71	183.74	175.83	7.92	23.214	
600.00	599.20	577.15	576.06	3.62	3.58	43.04	-17.07	199.10	185.91	177.81	8.10	22.950	
700.00	698.27	670.29	668.18	3.76	3.72	47.70	-25.72	209.76	189.50	181.18	8.32	22.766	
800.00	796.81	763.75	760.13	3.93	3.89	53.18	-36.23	222.72	195.32	186.72	8.60	22.722	
900.00	894.69	860.98	855.63	4.15	4.10	59.35	-47.73	236.90	202.22	193.26	8.95	22.584	
1,000.00	991.81	957.64	950.58	4.41	4.34	65.84	-59.16	250.99	210.06	200.69	9.38	22.404	
1,100.00	1,088.65	1,054.08	1,045.30	4.71	4.60	72.17	-70.57	265.05	220.26	210.40	9.87	22.326	
1,200.00	1,185.48	1,150.52	1,140.03	5.04	4.88	77.92	-81.97	279.11	233.03	222.62	10.41	22.392	
1,300.00	1,282.32	1,246.96	1,234.76	5.39	5.17	83.05	-93.38	293.17	247.96	236.97	10.99	22.562	
1,400.00	1,379.16	1,343.40	1,329.48	5.76	5.48	87.59	-104.79	307.23	264.70	253.10	11.61	22.805	
1,500.00	1,475.99	1,439.85	1,424.21	6.14	5.80	91.59	-116.19	321.29	282.93	270.68	12.25	23.097	
1,600.00	1,572.83	1,536.29	1,518.94	6.54	6.13	95.11	-127.60	335.35	302.37	289.45	12.92	23.412	
1,700.00	1,669.67	1,632.73	1,613.67	6.94	6.47	98.21	-139.00	349.41	322.80	309.21	13.60	23.741	
1,800.00	1,766.50	1,729.17	1,708.39	7.36	6.81	100.94	-150.41	363.47	344.06	329.77	14.29	24.073	
1,900.00	1,863.34	1,825.61	1,803.12	7.59	7.11	103.35	-161.81	377.53	365.99	351.59	14.40	25.408	
2,000.00	1,960.18	1,922.05	1,897.85	7.65	7.27	105.50	-173.22	391.59	388.48	373.88	14.60	26.605	
2,100.00	2,057.01	2,018.49	1,992.57	7.73	7.32	107.41	-184.63	405.65	411.45	396.72	14.72	27.945	
2,200.00	2,153.85	2,114.94	2,087.30	7.83	7.38	109.12	-196.03	419.71	434.80	419.93	14.88	29.228	
2,300.00	2,250.69	2,211.38	2,182.03	7.95	7.46	110.66	-207.44	433.77	458.50	443.44	15.06	30.445	
2,400.00	2,347.52	2,307.82	2,276.75	8.08	7.55	112.05	-218.84	447.83	482.48	467.20	15.27	31.590	
2,500.00	2,444.36	2,404.26	2,371.48	8.24	7.66	113.31	-230.25	461.89	506.70	491.18	15.51	32.659	
2,600.00	2,541.20	2,500.70	2,466.21	8.40	7.78	114.45	-241.65	475.95	531.13	515.35	15.79	33.648	
2,700.00	2,638.03	2,602.86	2,560.94	8.59	7.92	115.49	-253.06	490.01	555.75	539.66	16.09	34.542	
2,800.00	2,734.87	2,706.41	2,655.66	8.78	8.08	116.45	-264.46	504.07	580.53	564.11	16.42	35.352	
2,900.00	2,831.71	2,809.97	2,750.39	8.99	8.26	117.33	-275.87	518.13	605.45	588.67	16.78	36.083	
3,000.00	2,928.54	2,886.47	2,845.12	9.21	8.40	118.14	-287.28	532.19	630.49	613.37	17.12	36.836	
3,100.00	3,025.38	2,982.91	2,939.84	9.45	8.58	118.88	-298.68	546.25	655.64	638.14	17.50	37.456	
3,200.00	3,122.22	3,079.35	3,034.57	9.69	8.77	119.58	-310.09	560.31	680.89	662.98	17.91	38.013	
3,300.00	3,219.05	3,175.79	3,129.30	9.94	8.97	120.22	-321.49	574.37	706.23	687.89	18.34	38.511	
3,400.00	3,315.89	3,272.23	3,224.02	10.20	9.18	120.82	-332.90	588.43	731.64	712.86	18.78	38.956	
3,500.00	3,412.73	3,368.68	3,318.75	10.48	9.40	121.38	-344.30	602.49	757.13	737.89	19.24	39.351	
3,600.00	3,509.56	3,465.12	3,413.48	10.75	9.63	121.90	-355.71	616.55	782.68	762.96	19.71	39.702	
3,700.00	3,606.40	3,561.56	3,508.20	11.04	9.86	122.39	-367.12	630.61	808.28	788.08	20.20	40.011	
3,800.00	3,703.24	3,658.00	3,602.93	11.33	10.10	122.85	-378.52	644.67	833.94	813.24	20.70	40.284	
3,900.00	3,800.07	3,754.44	3,697.66	11.63	10.35	123.28	-389.93	658.73	859.65	838.43	21.21	40.524	
4,000.00	3,896.91	3,850.88	3,792.39	11.93	10.60	123.69	-401.33	672.79	885.39	863.66	21.74	40.733	
4,100.00	3,993.75	3,947.33	3,887.11	12.24	10.85	124.07	-412.74	686.85	911.18	888.91	22.27	40.916	
4,200.00	4,090.58	4,043.77	3,981.84	12.55	11.12	124.44	-424.14	700.91	937.01	914.19	22.81	41.074	
4,300.00	4,187.42	4,140.21	4,076.57	12.87	11.38	124.78	-435.55	714.97	962.86	939.50	23.36	41.211	
4,400.00	4,284.26	4,236.65	4,171.29	13.19	11.65	125.11	-446.96	729.03	988.75	964.83	23.92	41.329	
4,500.00	4,381.09	4,333.09	4,266.02	13.52	11.93	125.42	-458.36	743.09	1,014.67	990.18	24.49	41.429	
4,600.00	4,477.93	4,429.53	4,360.75	13.85	12.21	125.71	-469.77	757.14	1,040.61	1,015.54	25.07	41.514	
4,700.00	4,574.77	4,525.97	4,455.47	14.18	12.49	125.99	-481.17	771.20	1,066.58	1,040.93	25.65	41.585	
4,800.00	4,671.60	4,622.42	4,550.20	14.52	12.78	126.26	-492.58	785.26	1,092.57	1,066.33	26.24	41.644	
4,900.00	4,768.44	4,718.86	4,644.93	14.86	13.06	126.51	-503.98	799.32	1,118.58	1,091.75	26.83	41.693	
5,000.00	4,865.27	4,815.30	4,739.66	15.20	13.36	126.75	-515.39	813.38	1,144.61	1,117.18	27.43	41.731	
5,100.00	4,962.11	4,911.74	4,834.38	15.54	13.65	126.98	-526.79	827.44	1,170.66	1,142.63	28.03	41.761	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36C-3-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,058.95	5,008.18	4,929.11	15.89	13.95	127.21	-538.20	841.50	1,196.72	1,168.08	28.64	41.783		
5,300.00	5,155.78	5,104.62	5,023.84	16.24	14.24	127.42	-549.61	855.56	1,222.81	1,193.55	29.25	41.798		
5,400.00	5,252.62	5,201.07	5,118.56	16.59	14.55	127.62	-561.01	869.62	1,248.90	1,219.03	29.87	41.808		
5,500.00	5,349.46	5,302.49	5,213.29	16.94	14.86	127.82	-572.42	883.68	1,275.02	1,244.51	30.51	41.791		
5,600.00	5,446.29	5,406.05	5,308.02	17.30	15.19	128.00	-583.82	897.74	1,301.14	1,269.98	31.16	41.762		
5,700.00	5,543.13	5,490.39	5,402.74	17.65	15.46	128.18	-595.23	911.80	1,327.28	1,295.53	31.75	41.805		
5,800.00	5,639.97	5,586.83	5,497.47	18.01	15.77	128.36	-606.63	925.86	1,353.43	1,321.04	32.38	41.797		
5,900.00	5,736.80	5,683.27	5,592.20	18.37	16.08	128.52	-618.04	939.92	1,379.58	1,346.57	33.02	41.784		
6,000.00	5,833.64	5,779.71	5,686.93	18.73	16.39	128.68	-629.45	953.98	1,405.76	1,372.10	33.66	41.769		
6,100.00	5,930.48	5,876.16	5,781.65	19.09	16.70	128.84	-640.85	968.04	1,431.94	1,397.64	34.30	41.752		
6,200.00	6,027.31	5,972.60	5,876.38	19.46	17.02	128.99	-652.26	982.10	1,458.12	1,423.18	34.94	41.732		
6,300.00	6,124.15	6,069.04	5,971.11	19.82	17.33	129.13	-663.66	996.16	1,484.32	1,448.74	35.59	41.710		
6,400.00	6,220.99	6,165.48	6,065.83	20.19	17.65	129.27	-675.07	1,010.22	1,510.53	1,474.29	36.24	41.686		
6,500.00	6,317.82	6,261.92	6,160.56	20.55	17.97	129.40	-686.47	1,024.28	1,536.74	1,499.86	36.89	41.661		
6,600.00	6,414.66	6,358.36	6,255.29	20.92	18.29	129.53	-697.88	1,038.34	1,562.97	1,525.43	37.54	41.634		
6,700.00	6,511.50	6,454.81	6,350.01	21.29	18.61	129.66	-709.29	1,052.40	1,589.20	1,551.00	38.20	41.606		
6,800.00	6,608.33	6,551.25	6,444.74	21.66	18.93	129.78	-720.69	1,066.46	1,615.43	1,576.58	38.85	41.577		
6,900.00	6,705.11	6,647.67	6,539.45	22.03	19.25	129.89	-732.09	1,080.52	1,641.69	1,602.17	39.51	41.547		
7,000.00	6,799.10	6,742.95	6,633.03	22.47	19.57	129.99	-743.36	1,094.41	1,668.31	1,628.07	40.23	41.465		
7,100.00	6,887.20	6,834.70	6,723.15	23.02	19.88	130.02	-754.21	1,107.79	1,695.29	1,654.25	41.04	41.304		
7,200.00	6,967.23	6,957.44	6,842.92	23.68	20.31	130.02	-768.62	1,129.93	1,722.32	1,680.18	42.13	40.876		
7,300.00	7,037.23	7,149.78	7,017.12	24.45	21.20	99.44	-789.39	1,206.99	1,745.78	1,701.89	43.89	39.773		
7,400.00	7,095.47	7,376.37	7,181.99	25.31	22.61	98.04	-808.75	1,359.46	1,762.89	1,716.58	46.31	38.066		
7,500.00	7,140.51	7,618.85	7,288.19	26.27	24.56	96.31	-820.76	1,575.48	1,771.74	1,722.36	49.38	35.883		
7,600.00	7,171.26	7,817.10	7,310.89	27.31	26.44	94.46	-822.75	1,771.67	1,772.32	1,719.89	52.43	33.804		
7,700.00	7,186.94	7,915.68	7,310.44	28.40	27.46	93.94	-822.31	1,870.25	1,769.92	1,715.27	54.65	32.384		
7,800.00	7,188.83	8,015.56	7,309.98	29.51	28.55	94.01	-821.87	1,970.12	1,766.44	1,709.48	56.96	31.011		
7,900.00	7,188.47	8,115.49	7,309.52	30.67	29.71	94.01	-821.43	2,070.06	1,762.76	1,703.40	59.36	29.694		
8,000.00	7,188.11	8,215.42	7,309.06	31.88	30.91	94.02	-820.99	2,169.99	1,759.09	1,697.24	61.85	28.439		
8,100.00	7,187.76	8,315.36	7,308.60	33.12	32.16	94.02	-820.55	2,269.92	1,755.42	1,690.99	64.42	27.248		
8,200.00	7,187.40	8,415.29	7,308.14	34.40	33.45	94.03	-820.10	2,369.85	1,751.74	1,684.68	67.06	26.122		
8,300.00	7,187.04	8,515.22	7,307.68	35.71	34.78	94.03	-819.66	2,469.78	1,748.07	1,678.31	69.76	25.059		
8,400.00	7,186.68	8,615.15	7,307.22	37.05	36.13	94.04	-819.22	2,569.71	1,744.40	1,671.89	72.51	24.057		
8,500.00	7,186.32	8,715.09	7,306.76	38.42	37.51	94.04	-818.78	2,669.64	1,740.72	1,665.41	75.31	23.114		
8,600.00	7,185.96	8,815.02	7,306.30	39.81	38.91	94.05	-818.34	2,769.57	1,737.05	1,658.90	78.15	22.226		
8,700.00	7,185.60	8,914.95	7,305.84	41.22	40.34	94.05	-817.89	2,869.50	1,733.38	1,652.34	81.04	21.390		
8,800.00	7,185.24	9,014.88	7,305.38	42.65	41.78	94.06	-817.45	2,969.43	1,729.70	1,645.75	83.95	20.604		
8,900.00	7,184.89	9,114.81	7,304.92	44.10	43.24	94.06	-817.01	3,069.36	1,726.03	1,639.13	86.90	19.863		
9,000.00	7,184.53	9,214.75	7,304.46	45.56	44.72	94.07	-816.57	3,169.29	1,722.36	1,632.49	89.87	19.164		
9,100.00	7,184.17	9,314.68	7,304.00	47.04	46.21	94.08	-816.12	3,269.22	1,718.69	1,625.81	92.87	18.506		
9,200.00	7,183.81	9,414.61	7,303.54	48.52	47.71	94.08	-815.68	3,369.15	1,715.01	1,619.12	95.89	17.884		
9,300.00	7,183.45	9,514.54	7,303.08	50.03	49.22	94.09	-815.24	3,469.08	1,711.34	1,612.40	98.94	17.297		
9,400.00	7,183.09	9,614.48	7,302.62	51.54	50.74	94.09	-814.80	3,569.01	1,707.67	1,605.67	102.00	16.742		
9,500.00	7,182.73	9,714.41	7,302.16	53.06	52.28	94.10	-814.36	3,668.94	1,703.99	1,598.91	105.08	16.216		
9,600.00	7,182.37	9,814.38	7,301.70	54.59	53.82	94.09	-813.91	3,768.91	1,701.77	1,593.60	108.17	15.733		
9,675.55	7,182.10	9,889.93	7,301.35	55.75	54.99	94.09	-813.58	3,844.46	1,701.59	1,591.08	110.51	15.398		
9,700.00	7,182.01	9,914.38	7,301.24	56.12	55.37	94.08	-813.47	3,868.91	1,701.89	1,590.62	111.27	15.295		
9,800.00	7,181.65	10,014.38	7,300.78	57.67	56.92	94.08	-813.03	3,968.90	1,702.08	1,587.68	114.39	14.879		
9,900.00	7,181.30	10,114.38	7,300.32	59.23	58.49	94.08	-812.59	4,068.90	1,702.27	1,584.74	117.53	14.484		
10,000.00	7,180.94	10,214.38	7,299.86	60.79	60.06	94.07	-812.14	4,168.90	1,702.45	1,581.78	120.67	14.108		
10,100.00	7,180.58	10,314.38	7,299.40	62.36	61.63	94.07	-811.70	4,268.90	1,702.64	1,578.81	123.83	13.750		
10,200.00	7,180.22	10,414.38	7,298.94	63.94	63.21	94.07	-811.26	4,368.90	1,702.83	1,575.84	126.99	13.409		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36C-3-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,179.86	10,514.38	7,298.48	65.52	64.79	94.06	-810.82	4,468.89	1,703.02	1,572.85	130.17	13.083	
10,400.00	7,179.50	10,614.38	7,298.02	67.10	66.38	94.06	-810.38	4,568.89	1,703.21	1,569.86	133.35	12.772	
10,500.00	7,179.14	10,714.38	7,297.56	68.69	67.98	94.05	-809.93	4,668.89	1,703.40	1,566.86	136.54	12.475	
10,600.00	7,178.78	10,814.38	7,297.10	70.28	69.57	94.05	-809.49	4,768.89	1,703.59	1,563.85	139.74	12.191	
10,700.00	7,178.42	10,914.38	7,296.64	71.87	71.17	94.05	-809.05	4,868.88	1,703.78	1,560.83	142.94	11.919	
10,800.00	7,178.06	11,014.38	7,296.18	73.47	72.78	94.04	-808.61	4,968.88	1,703.97	1,557.81	146.15	11.659	
10,900.00	7,177.70	11,114.38	7,295.72	75.08	74.38	94.04	-808.16	5,068.88	1,704.15	1,554.79	149.37	11.409	
11,000.00	7,177.34	11,214.38	7,295.26	76.68	75.99	94.03	-807.72	5,168.88	1,704.34	1,551.75	152.59	11.169	
11,100.00	7,176.99	11,314.38	7,294.80	78.29	77.60	94.03	-807.28	5,268.88	1,704.53	1,548.72	155.82	10.939	
11,200.00	7,176.63	11,414.38	7,294.34	79.90	79.22	94.03	-806.84	5,368.87	1,704.72	1,545.67	159.05	10.718	
11,300.00	7,176.27	11,514.38	7,293.88	81.51	80.84	94.02	-806.39	5,468.87	1,704.91	1,542.63	162.28	10.506	
11,400.00	7,175.91	11,614.37	7,293.42	83.13	82.45	94.02	-805.95	5,568.87	1,705.10	1,539.58	165.52	10.301	
11,500.00	7,175.55	11,714.37	7,292.96	84.74	84.08	94.02	-805.51	5,668.87	1,705.29	1,536.52	168.77	10.104	
11,600.00	7,175.19	11,814.37	7,292.50	86.36	85.70	94.01	-805.07	5,768.86	1,705.48	1,533.46	172.01	9.915	
11,700.00	7,174.83	11,914.37	7,292.04	87.98	87.32	94.01	-804.62	5,868.86	1,705.67	1,530.40	175.26	9.732	
11,800.00	7,174.47	12,014.37	7,291.58	89.61	88.95	94.00	-804.18	5,968.86	1,705.85	1,527.34	178.52	9.556	
11,900.00	7,174.11	12,114.37	7,291.12	91.23	90.58	94.00	-803.74	6,068.86	1,706.04	1,524.27	181.78	9.385	
12,000.00	7,173.75	12,214.37	7,290.66	92.86	92.21	94.00	-803.30	6,168.85	1,706.23	1,521.20	185.04	9.221	
12,100.00	7,173.39	12,314.37	7,290.20	94.49	93.84	93.99	-802.86	6,268.85	1,706.42	1,518.12	188.30	9.062	
12,200.00	7,173.03	12,414.37	7,289.74	96.12	95.47	93.99	-802.41	6,368.85	1,706.61	1,515.04	191.57	8.909	
12,300.00	7,172.68	12,514.37	7,289.28	97.75	97.11	93.98	-801.97	6,468.85	1,706.80	1,511.96	194.84	8.760	
12,400.00	7,172.32	12,614.37	7,288.82	99.38	98.74	93.98	-801.53	6,568.85	1,706.99	1,508.88	198.11	8.617	
12,500.00	7,171.96	12,714.37	7,288.36	101.01	100.38	93.98	-801.09	6,668.84	1,707.18	1,505.80	201.38	8.477	
12,600.00	7,171.60	12,814.37	7,287.90	102.65	102.02	93.97	-800.64	6,768.84	1,707.37	1,502.71	204.66	8.343	
12,700.00	7,171.24	12,914.37	7,287.44	104.28	103.66	93.97	-800.20	6,868.84	1,707.56	1,499.62	207.93	8.212	
12,800.00	7,170.88	13,014.37	7,286.98	105.92	105.30	93.97	-799.76	6,968.84	1,707.74	1,496.53	211.21	8.085	
12,900.00	7,170.52	13,114.37	7,286.52	107.56	106.94	93.96	-799.32	7,068.83	1,707.93	1,493.44	214.49	7.963	
13,000.00	7,170.16	13,214.37	7,286.06	109.20	108.58	93.96	-798.87	7,168.83	1,708.12	1,490.34	217.78	7.843	
13,100.00	7,169.80	13,314.37	7,285.60	110.84	110.22	93.95	-798.43	7,268.83	1,708.31	1,487.25	221.06	7.728	
13,200.00	7,169.44	13,414.37	7,285.14	112.48	111.87	93.95	-797.99	7,368.83	1,708.50	1,484.15	224.35	7.615	
13,300.00	7,169.08	13,514.37	7,284.68	114.12	113.51	93.95	-797.55	7,468.82	1,708.69	1,481.05	227.64	7.506	
13,400.00	7,168.72	13,614.37	7,284.22	115.77	115.16	93.94	-797.10	7,568.82	1,708.88	1,477.95	230.93	7.400	
13,500.00	7,168.37	13,714.37	7,283.76	117.41	116.80	93.94	-796.66	7,668.82	1,709.07	1,474.85	234.22	7.297	
13,600.00	7,168.01	13,814.37	7,283.30	119.05	118.45	93.93	-796.22	7,768.82	1,709.26	1,471.74	237.51	7.196	
13,700.00	7,167.65	13,914.37	7,282.84	120.70	120.10	93.93	-795.78	7,868.82	1,709.45	1,468.64	240.81	7.099	
13,800.00	7,167.29	14,014.37	7,282.38	122.35	121.75	93.93	-795.34	7,968.81	1,709.64	1,465.53	244.10	7.004	
13,900.00	7,166.93	14,114.37	7,281.92	123.99	123.40	93.92	-794.89	8,068.81	1,709.82	1,462.42	247.40	6.911	
14,000.00	7,166.57	14,214.37	7,281.46	125.64	125.05	93.92	-794.45	8,168.81	1,710.01	1,459.32	250.70	6.821	
14,100.00	7,166.21	14,314.37	7,281.00	127.29	126.70	93.92	-794.01	8,268.81	1,710.20	1,456.21	254.00	6.733	
14,200.00	7,165.85	14,414.37	7,280.54	128.94	128.35	93.91	-793.57	8,368.80	1,710.39	1,453.09	257.30	6.648	
14,300.00	7,165.49	14,514.37	7,280.08	130.59	130.00	93.91	-793.12	8,468.80	1,710.58	1,449.98	260.60	6.564	
14,400.00	7,165.13	14,614.37	7,279.62	132.24	131.65	93.90	-792.68	8,568.80	1,710.77	1,446.87	263.90	6.483	
14,500.00	7,164.77	14,714.37	7,279.16	133.89	133.30	93.90	-792.24	8,668.80	1,710.96	1,443.76	267.20	6.403	
14,600.00	7,164.41	14,814.37	7,278.70	135.54	134.96	93.90	-791.80	8,768.80	1,711.15	1,440.64	270.51	6.326	
14,700.00	7,164.06	14,914.37	7,278.24	137.19	136.61	93.89	-791.35	8,868.79	1,711.34	1,437.52	273.81	6.250	
14,800.00	7,163.70	15,014.37	7,277.78	138.84	138.26	93.89	-790.91	8,968.79	1,711.53	1,434.41	277.12	6.176	
14,900.00	7,163.34	15,114.37	7,277.32	140.49	139.92	93.89	-790.47	9,068.79	1,711.72	1,431.29	280.43	6.104	
15,000.00	7,162.98	15,214.37	7,276.86	142.15	141.57	93.88	-790.03	9,168.79	1,711.91	1,428.17	283.73	6.033	
15,100.00	7,162.62	15,314.37	7,276.40	143.80	143.23	93.88	-789.58	9,268.78	1,712.09	1,425.05	287.04	5.965	
15,200.00	7,162.26	15,414.37	7,275.94	145.45	144.88	93.87	-789.14	9,368.78	1,712.28	1,421.93	290.35	5.897	
15,300.00	7,161.90	15,514.37	7,275.48	147.11	146.54	93.87	-788.70	9,468.78	1,712.47	1,418.81	293.66	5.831	
15,400.00	7,161.54	15,614.37	7,275.02	148.76	148.20	93.87	-788.26	9,568.78	1,712.66	1,415.69	296.97	5.767	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      5N-66W-05 VOLT 19-5 PAD - VOLT 36C-3-L - Wellbore #1 - Design #1												Offset Site Error:      0.00 usft	
Survey Program:      0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:      3.28 usft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,500.00	7,161.18	15,714.37	7,274.56	150.42	149.85	93.86	-787.81	9,668.77	1,712.85	1,412.57	300.29	5.704	
15,600.00	7,160.82	15,814.36	7,274.10	152.07	151.51	93.86	-787.37	9,768.77	1,713.04	1,409.44	303.60	5.642	
15,700.00	7,160.46	15,914.36	7,273.64	153.73	153.17	93.85	-786.93	9,868.77	1,713.23	1,406.32	306.91	5.582	
15,800.00	7,160.10	16,014.36	7,273.18	155.38	154.82	93.85	-786.49	9,968.77	1,713.42	1,403.20	310.22	5.523	
15,900.00	7,159.75	16,114.36	7,272.72	157.04	156.48	93.85	-786.05	10,068.77	1,713.61	1,400.07	313.54	5.465	
16,000.00	7,159.39	16,214.36	7,272.26	158.70	158.14	93.84	-785.60	10,168.76	1,713.80	1,396.95	316.85	5.409	
16,100.00	7,159.03	16,314.36	7,271.80	160.35	159.80	93.84	-785.16	10,268.76	1,713.99	1,393.82	320.17	5.353	
16,200.00	7,158.67	16,414.36	7,271.34	162.01	161.46	93.84	-784.72	10,368.76	1,714.18	1,390.69	323.48	5.299	
16,300.00	7,158.31	16,514.36	7,270.88	163.67	163.12	93.83	-784.28	10,468.76	1,714.37	1,387.57	326.80	5.246	
16,400.00	7,157.95	16,614.36	7,270.42	165.33	164.78	93.83	-783.83	10,568.75	1,714.56	1,384.44	330.12	5.194	
16,500.00	7,157.59	16,714.36	7,269.96	166.99	166.44	93.82	-783.39	10,668.75	1,714.74	1,381.31	333.43	5.143	
16,600.00	7,157.23	16,814.36	7,269.50	168.64	168.10	93.82	-782.95	10,768.75	1,714.93	1,378.18	336.75	5.093	
16,700.00	7,156.87	16,914.36	7,269.04	170.30	169.76	93.82	-782.51	10,868.75	1,715.12	1,375.05	340.07	5.043	
16,800.00	7,156.51	17,014.36	7,268.58	171.96	171.42	93.81	-782.06	10,968.75	1,715.31	1,371.92	343.39	4.995	
16,900.00	7,156.15	17,114.36	7,268.12	173.62	173.08	93.81	-781.62	11,068.74	1,715.50	1,368.79	346.71	4.948	
17,000.00	7,155.79	17,214.36	7,267.66	175.28	174.74	93.81	-781.18	11,168.74	1,715.69	1,365.66	350.03	4.902	
17,100.00	7,155.44	17,314.36	7,267.20	176.94	176.40	93.80	-780.74	11,268.74	1,715.88	1,362.53	353.35	4.856	
17,200.00	7,155.08	17,414.36	7,266.74	178.60	178.06	93.80	-780.29	11,368.74	1,716.07	1,359.40	356.67	4.811	
17,300.00	7,154.72	17,514.36	7,266.28	180.26	179.72	93.79	-779.85	11,468.73	1,716.26	1,356.27	359.99	4.768	
17,400.00	7,154.36	17,614.36	7,265.82	181.92	181.38	93.79	-779.41	11,568.73	1,716.45	1,353.14	363.31	4.724	
17,500.00	7,154.00	17,714.36	7,265.36	183.58	183.04	93.79	-778.97	11,668.73	1,716.64	1,350.00	366.63	4.682	
17,600.00	7,153.64	17,814.36	7,264.90	185.24	184.71	93.78	-778.53	11,768.73	1,716.83	1,346.87	369.96	4.641	
17,700.00	7,153.28	17,893.49	7,264.54	186.90	186.02	93.78	-778.18	11,847.86	1,717.14	1,344.23	372.92	4.605 SF	
17,800.00	7,152.92	17,893.49	7,264.54	188.56	186.02	93.78	-778.18	11,847.86	1,721.45	1,347.70	373.75	4.606	
17,900.00	7,152.56	17,893.49	7,264.54	190.23	186.02	93.78	-778.18	11,847.86	1,731.54	1,358.17	373.37	4.638	
18,000.00	7,152.20	17,893.49	7,264.54	191.89	186.02	93.78	-778.18	11,847.86	1,747.30	1,375.48	371.82	4.699	
18,100.00	7,151.84	17,893.49	7,264.54	193.55	186.02	93.78	-778.18	11,847.86	1,768.58	1,399.41	369.18	4.791	
18,156.36	7,151.64	17,893.49	7,264.54	194.48	186.02	93.78	-778.18	11,847.86	1,782.94	1,415.70	367.24	4.855	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36N-3A-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	2.00	-2.00	3.28	3.28	90.52	-1.82	199.90	199.91				
100.00	100.00	102.00	98.00	3.28	3.28	90.52	-1.82	199.90	199.91	192.38	7.53	26.551	
200.00	200.00	198.00	198.00	3.31	3.30	90.52	-1.82	199.90	199.91	192.33	7.57	26.396	CC, ES
300.00	300.00	293.40	293.38	3.35	3.34	35.37	-2.92	200.96	200.80	193.15	7.65	26.235	
400.00	399.94	388.47	388.34	3.42	3.40	36.79	-6.28	204.20	201.78	194.01	7.77	25.979	
500.00	499.72	483.06	482.60	3.51	3.48	39.36	-11.87	209.60	202.65	194.74	7.92	25.595	
600.00	599.20	576.90	575.82	3.62	3.58	43.01	-19.63	217.10	204.00	195.90	8.11	25.166	
700.00	698.27	669.74	667.64	3.76	3.71	47.65	-29.46	226.59	206.64	198.30	8.33	24.797	
800.00	796.81	761.35	757.77	3.93	3.88	53.09	-41.26	237.98	211.55	202.94	8.60	24.596	
900.00	894.69	854.51	848.90	4.15	4.09	59.22	-55.13	251.38	219.46	210.53	8.93	24.562	
1,000.00	991.81	950.27	942.50	4.41	4.34	65.79	-69.68	265.43	229.15	219.80	9.35	24.498	
1,100.00	1,088.65	1,045.79	1,035.86	4.71	4.62	72.14	-84.20	279.46	241.55	231.71	9.84	24.551	
1,200.00	1,185.48	1,141.31	1,129.22	5.04	4.91	77.85	-98.72	293.48	256.77	246.39	10.37	24.754	
1,300.00	1,282.32	1,236.83	1,222.59	5.39	5.23	82.92	-113.24	307.50	274.34	263.40	10.95	25.058	
1,400.00	1,379.16	1,332.35	1,315.95	5.76	5.56	87.38	-127.76	321.52	293.86	282.30	11.56	25.428	
1,500.00	1,475.99	1,427.87	1,409.31	6.14	5.90	91.29	-142.28	335.54	314.95	302.76	12.19	25.837	
1,600.00	1,572.83	1,523.39	1,502.67	6.54	6.25	94.72	-156.80	349.57	337.32	324.47	12.85	26.255	
1,700.00	1,669.67	1,618.91	1,596.04	6.94	6.61	97.72	-171.32	363.59	360.73	347.21	13.52	26.674	
1,800.00	1,766.50	1,714.43	1,689.40	7.36	6.98	100.37	-185.85	377.61	385.00	370.79	14.21	27.085	
1,900.00	1,863.34	1,809.95	1,782.76	7.59	7.34	102.70	-200.37	391.63	409.97	395.45	14.52	28.236	
2,000.00	1,960.18	1,905.47	1,876.13	7.65	7.53	104.77	-214.89	405.66	435.51	420.95	14.57	29.898	
2,100.00	2,057.01	2,000.99	1,969.49	7.73	7.58	106.62	-229.41	419.68	461.54	446.86	14.69	31.429	
2,200.00	2,153.85	2,103.49	2,062.85	7.83	7.65	108.27	-243.93	433.70	487.98	473.14	14.84	32.880	
2,300.00	2,250.69	2,207.97	2,156.21	7.95	7.75	109.75	-258.45	447.72	514.76	499.73	15.03	34.243	
2,400.00	2,347.52	2,287.55	2,249.58	8.08	7.83	111.08	-272.97	461.75	541.84	526.60	15.24	35.563	
2,500.00	2,444.36	2,383.07	2,342.94	8.24	7.94	112.29	-287.49	475.77	569.16	553.68	15.48	36.767	
2,600.00	2,541.20	2,478.59	2,436.30	8.40	8.07	113.40	-302.01	489.79	596.71	580.95	15.75	37.880	
2,700.00	2,638.03	2,574.11	2,529.67	8.59	8.22	114.40	-316.53	503.81	624.44	608.38	16.05	38.901	
2,800.00	2,734.87	2,669.63	2,623.03	8.78	8.37	115.32	-331.05	517.83	652.33	635.95	16.38	39.833	
2,900.00	2,831.71	2,765.15	2,716.39	8.99	8.54	116.16	-345.57	531.86	680.37	663.64	16.73	40.679	
3,000.00	2,928.54	2,860.67	2,809.75	9.21	8.72	116.94	-360.09	545.88	708.53	691.44	17.10	41.443	
3,100.00	3,025.38	2,956.19	2,903.12	9.45	8.92	117.66	-374.61	559.90	736.81	719.32	17.49	42.129	
3,200.00	3,122.22	3,051.71	2,996.48	9.69	9.12	118.33	-389.13	573.92	765.19	747.28	17.90	42.744	
3,300.00	3,219.05	3,147.23	3,089.84	9.94	9.33	118.95	-403.65	587.95	793.65	775.32	18.33	43.292	
3,400.00	3,315.89	3,242.75	3,183.20	10.20	9.55	119.52	-418.17	601.97	822.20	803.42	18.78	43.779	
3,500.00	3,412.73	3,338.27	3,276.57	10.48	9.78	120.06	-432.69	615.99	850.81	831.57	19.24	44.210	
3,600.00	3,509.56	3,433.79	3,369.93	10.75	10.02	120.57	-447.21	630.01	879.50	859.77	19.72	44.590	
3,700.00	3,606.40	3,529.31	3,463.29	11.04	10.27	121.04	-461.73	644.04	908.24	888.02	20.22	44.924	
3,800.00	3,703.24	3,624.83	3,556.66	11.33	10.52	121.48	-476.25	658.06	937.03	916.31	20.72	45.217	
3,900.00	3,800.07	3,720.35	3,650.02	11.63	10.78	121.90	-490.77	672.08	965.87	944.63	21.24	45.472	
4,000.00	3,896.91	3,815.87	3,743.38	11.93	11.04	122.29	-505.29	686.10	994.76	972.99	21.77	45.694	
4,100.00	3,993.75	3,911.39	3,836.74	12.24	11.31	122.66	-519.81	700.12	1,023.69	1,001.38	22.31	45.885	
4,200.00	4,090.58	4,006.91	3,930.11	12.55	11.59	123.01	-534.33	714.15	1,052.65	1,029.79	22.86	46.050	
4,300.00	4,187.42	4,102.43	4,023.47	12.87	11.87	123.34	-548.85	728.17	1,081.65	1,058.24	23.42	46.191	
4,400.00	4,284.26	4,202.06	4,116.83	13.19	12.16	123.65	-563.37	742.19	1,110.68	1,086.69	23.99	46.289	
4,500.00	4,381.09	4,306.54	4,210.20	13.52	12.48	123.95	-577.89	756.21	1,139.74	1,115.15	24.59	46.343	
4,600.00	4,477.93	4,388.99	4,303.56	13.85	12.73	124.24	-592.41	770.24	1,168.83	1,143.69	25.14	46.495	
4,700.00	4,574.77	4,484.51	4,396.92	14.18	13.03	124.51	-606.93	784.26	1,197.94	1,172.21	25.73	46.563	
4,800.00	4,671.60	4,580.03	4,490.28	14.52	13.33	124.76	-621.45	798.28	1,227.07	1,200.75	26.32	46.618	
4,900.00	4,768.44	4,675.55	4,583.65	14.86	13.63	125.01	-635.97	812.30	1,256.23	1,229.31	26.92	46.661	
5,000.00	4,865.27	4,771.07	4,677.01	15.20	13.94	125.24	-650.49	826.33	1,285.41	1,257.88	27.53	46.694	
5,100.00	4,962.11	4,866.59	4,770.37	15.54	14.24	125.46	-665.01	840.35	1,314.60	1,286.46	28.14	46.718	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36N-3A-L - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,058.95	4,962.11	4,863.73	15.89	14.56	125.68	-679.54	854.37	1,343.81	1,315.06	28.76	46.733		
5,300.00	5,155.78	5,057.63	4,957.10	16.24	14.87	125.88	-694.06	868.39	1,373.04	1,343.67	29.38	46.741		
5,400.00	5,252.62	5,153.15	5,050.46	16.59	15.18	126.08	-708.58	882.41	1,402.29	1,372.29	30.00	46.742		
5,500.00	5,349.46	5,248.67	5,143.82	16.94	15.50	126.27	-723.10	896.44	1,431.55	1,400.92	30.63	46.738		
5,600.00	5,446.29	5,344.19	5,237.19	17.30	15.82	126.45	-737.62	910.46	1,460.82	1,429.56	31.26	46.729		
5,700.00	5,543.13	5,439.71	5,330.55	17.65	16.14	126.62	-752.14	924.48	1,490.10	1,458.21	31.90	46.715		
5,800.00	5,639.97	5,535.23	5,423.91	18.01	16.47	126.79	-766.66	938.50	1,519.40	1,486.86	32.54	46.697		
5,900.00	5,736.80	5,630.75	5,517.27	18.37	16.79	126.95	-781.18	952.53	1,548.71	1,515.53	33.18	46.676		
6,000.00	5,833.64	5,726.27	5,610.64	18.73	17.12	127.10	-795.70	966.55	1,578.03	1,544.20	33.83	46.652		
6,100.00	5,930.48	5,821.79	5,704.00	19.09	17.45	127.25	-810.22	980.57	1,607.36	1,572.88	34.47	46.625		
6,200.00	6,027.31	5,917.31	5,797.36	19.46	17.78	127.40	-824.74	994.59	1,636.70	1,601.57	35.13	46.595		
6,300.00	6,124.15	6,012.83	5,890.72	19.82	18.11	127.54	-839.26	1,008.62	1,666.04	1,630.27	35.78	46.564		
6,400.00	6,220.99	6,108.35	5,984.09	20.19	18.44	127.67	-853.78	1,022.64	1,695.40	1,658.97	36.44	46.531		
6,500.00	6,317.82	6,203.87	6,077.45	20.55	18.77	127.80	-868.30	1,036.66	1,724.77	1,687.67	37.09	46.497		
6,600.00	6,414.66	6,300.62	6,170.81	20.92	19.11	127.92	-882.82	1,050.68	1,754.14	1,716.38	37.76	46.456		
6,700.00	6,511.50	6,394.91	6,264.18	21.29	19.44	128.04	-897.34	1,064.70	1,783.52	1,745.10	38.42	46.424		
6,800.00	6,608.33	6,490.43	6,357.54	21.66	19.78	128.16	-911.86	1,078.73	1,812.91	1,773.82	39.08	46.386		
6,900.00	6,705.11	6,585.93	6,450.89	22.03	20.12	123.98	-926.38	1,092.75	1,842.30	1,802.55	39.75	46.346		
7,000.00	6,799.10	6,725.67	6,584.40	22.47	20.66	109.96	-947.14	1,127.27	1,870.65	1,829.88	40.77	45.883		
7,100.00	6,887.20	6,870.49	6,711.48	23.02	21.38	102.03	-966.87	1,193.18	1,896.06	1,853.99	42.07	45.066		
7,200.00	6,967.23	7,015.64	6,820.83	23.68	22.25	96.60	-983.84	1,286.62	1,917.87	1,874.22	43.65	43.936		
7,300.00	7,037.23	7,158.16	6,905.17	24.45	23.24	92.50	-996.90	1,400.40	1,935.59	1,890.10	45.49	42.548		
7,400.00	7,095.47	7,295.44	6,960.85	25.31	24.34	89.28	-1,005.49	1,525.29	1,948.92	1,901.34	47.57	40.968		
7,500.00	7,140.51	7,425.60	6,988.10	26.27	25.50	86.77	-1,009.66	1,652.27	1,957.72	1,907.92	49.80	39.310		
7,600.00	7,171.26	7,538.43	6,991.80	27.31	26.57	85.00	-1,010.18	1,764.95	1,962.10	1,910.09	52.01	37.726		
7,700.00	7,186.94	7,637.00	6,991.28	28.40	27.57	84.26	-1,010.04	1,863.52	1,962.76	1,908.56	54.19	36.218		
7,800.00	7,188.83	7,736.89	6,990.75	29.51	28.65	84.26	-1,009.91	1,963.41	1,959.99	1,903.49	56.50	34.692		
7,900.00	7,188.47	7,836.83	6,990.22	30.67	29.80	84.25	-1,009.77	2,063.35	1,956.65	1,897.75	58.90	33.220		
8,000.00	7,188.11	7,936.78	6,989.69	31.88	30.99	84.23	-1,009.63	2,163.29	1,953.31	1,891.92	61.39	31.817		
8,100.00	7,187.76	8,036.72	6,989.16	33.12	32.23	84.22	-1,009.49	2,263.23	1,949.98	1,886.02	63.96	30.488		
8,200.00	7,187.40	8,136.66	6,988.63	34.40	33.52	84.20	-1,009.36	2,363.17	1,946.64	1,880.05	66.60	29.231		
8,300.00	7,187.04	8,236.60	6,988.10	35.71	34.83	84.19	-1,009.22	2,463.11	1,943.31	1,874.02	69.29	28.046		
8,400.00	7,186.68	8,336.55	6,987.57	37.05	36.18	84.17	-1,009.08	2,563.06	1,939.97	1,867.93	72.04	26.929		
8,500.00	7,186.32	8,436.49	6,987.04	38.42	37.55	84.16	-1,008.94	2,663.00	1,936.63	1,861.80	74.84	25.878		
8,600.00	7,185.96	8,536.43	6,986.51	39.81	38.95	84.14	-1,008.81	2,762.94	1,933.30	1,855.62	77.68	24.889		
8,700.00	7,185.60	8,636.38	6,985.98	41.22	40.38	84.13	-1,008.67	2,862.88	1,929.96	1,849.41	80.55	23.959		
8,800.00	7,185.24	8,736.32	6,985.45	42.65	41.82	84.11	-1,008.53	2,962.82	1,926.63	1,843.16	83.46	23.083		
8,900.00	7,184.89	8,836.26	6,984.92	44.10	43.27	84.10	-1,008.39	3,062.76	1,923.29	1,836.89	86.40	22.259		
9,000.00	7,184.53	8,936.21	6,984.39	45.56	44.75	84.08	-1,008.26	3,162.70	1,919.96	1,830.59	89.37	21.483		
9,100.00	7,184.17	9,036.15	6,983.86	47.04	46.23	84.06	-1,008.12	3,262.65	1,916.62	1,824.26	92.37	20.750		
9,200.00	7,183.81	9,136.09	6,983.33	48.52	47.73	84.05	-1,007.98	3,362.59	1,913.29	1,817.91	95.38	20.059		
9,300.00	7,183.45	9,236.03	6,982.80	50.03	49.24	84.03	-1,007.84	3,462.53	1,909.95	1,811.54	98.42	19.407		
9,400.00	7,183.09	9,335.98	6,982.28	51.54	50.77	84.02	-1,007.71	3,562.47	1,906.62	1,805.15	101.47	18.790		
9,500.00	7,182.73	9,435.92	6,981.75	53.06	52.30	84.00	-1,007.57	3,662.41	1,903.29	1,798.74	104.54	18.206		
9,600.00	7,182.37	9,535.90	6,981.22	54.59	53.84	83.99	-1,007.43	3,762.39	1,901.39	1,793.77	107.62	17.667		
9,624.68	7,182.28	9,560.57	6,981.08	54.96	54.22	83.99	-1,007.40	3,787.06	1,901.37	1,792.99	108.38	17.543		
9,700.00	7,182.01	9,635.90	6,980.69	56.12	55.38	83.98	-1,007.29	3,862.38	1,901.84	1,791.13	110.72	17.178		
9,800.00	7,181.65	9,735.89	6,980.16	57.67	56.94	83.98	-1,007.16	3,962.38	1,902.36	1,788.53	113.83	16.712		
9,900.00	7,181.30	9,835.89	6,979.63	59.23	58.50	83.98	-1,007.02	4,062.38	1,902.88	1,785.92	116.96	16.270		
10,000.00	7,180.94	9,935.89	6,979.10	60.79	60.07	83.97	-1,006.88	4,162.38	1,903.39	1,783.30	120.09	15.849		
10,100.00	7,180.58	10,035.89	6,978.57	62.36	61.64	83.97	-1,006.74	4,262.37	1,903.91	1,780.67	123.24	15.449		
10,200.00	7,180.22	10,135.89	6,978.04	63.94	63.22	83.97	-1,006.61	4,362.37	1,904.43	1,778.03	126.40	15.067		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36N-3A-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.00	7,179.86	10,235.89	6,977.51	65.52	64.81	83.96	-1,006.47	4,462.37	1,904.94	1,775.38	129.56	14.703		
10,400.00	7,179.50	10,335.89	6,976.98	67.10	66.39	83.96	-1,006.33	4,562.36	1,905.46	1,772.72	132.73	14.355		
10,500.00	7,179.14	10,435.88	6,976.45	68.69	67.99	83.95	-1,006.19	4,662.36	1,905.97	1,770.06	135.91	14.023		
10,600.00	7,178.78	10,535.88	6,975.92	70.28	69.58	83.95	-1,006.06	4,762.36	1,906.49	1,767.39	139.10	13.706		
10,700.00	7,178.42	10,635.88	6,975.39	71.87	71.18	83.95	-1,005.92	4,862.36	1,907.01	1,764.71	142.30	13.402		
10,800.00	7,178.06	10,735.88	6,974.86	73.47	72.78	83.94	-1,005.78	4,962.35	1,907.52	1,762.03	145.50	13.111		
10,900.00	7,177.70	10,835.88	6,974.33	75.08	74.39	83.94	-1,005.64	5,062.35	1,908.04	1,759.34	148.70	12.831		
11,000.00	7,177.34	10,935.88	6,973.80	76.68	76.00	83.94	-1,005.51	5,162.35	1,908.56	1,756.65	151.91	12.564		
11,100.00	7,176.99	11,035.88	6,973.27	78.29	77.61	83.93	-1,005.37	5,262.34	1,909.07	1,753.95	155.13	12.307		
11,200.00	7,176.63	11,135.88	6,972.74	79.90	79.23	83.93	-1,005.23	5,362.34	1,909.59	1,751.24	158.35	12.060		
11,300.00	7,176.27	11,235.87	6,972.21	81.51	80.84	83.93	-1,005.09	5,462.34	1,910.11	1,748.54	161.57	11.822		
11,400.00	7,175.91	11,335.87	6,971.68	83.13	82.46	83.92	-1,004.96	5,562.34	1,910.62	1,745.82	164.80	11.594		
11,500.00	7,175.55	11,435.87	6,971.15	84.74	84.08	83.92	-1,004.82	5,662.33	1,911.14	1,743.11	168.03	11.374		
11,600.00	7,175.19	11,535.87	6,970.62	86.36	85.70	83.92	-1,004.68	5,762.33	1,911.66	1,740.39	171.27	11.162		
11,700.00	7,174.83	11,635.87	6,970.09	87.98	87.33	83.91	-1,004.54	5,862.33	1,912.17	1,737.67	174.51	10.958		
11,800.00	7,174.47	11,735.87	6,969.56	89.61	88.96	83.91	-1,004.41	5,962.32	1,912.69	1,734.94	177.75	10.761		
11,900.00	7,174.11	11,835.87	6,969.03	91.23	90.58	83.91	-1,004.27	6,062.32	1,913.21	1,732.21	181.00	10.570		
12,000.00	7,173.75	11,935.86	6,968.50	92.86	92.21	83.90	-1,004.13	6,162.32	1,913.72	1,729.48	184.24	10.387		
12,100.00	7,173.39	12,035.86	6,967.97	94.49	93.85	83.90	-1,003.99	6,262.31	1,914.24	1,726.75	187.50	10.210		
12,200.00	7,173.03	12,135.86	6,967.44	96.12	95.48	83.89	-1,003.86	6,362.31	1,914.76	1,724.01	190.75	10.038		
12,300.00	7,172.68	12,235.86	6,966.91	97.75	97.11	83.89	-1,003.72	6,462.31	1,915.27	1,721.27	194.01	9.872		
12,400.00	7,172.32	12,335.86	6,966.38	99.38	98.75	83.89	-1,003.58	6,562.31	1,915.79	1,718.53	197.26	9.712		
12,500.00	7,171.96	12,435.86	6,965.85	101.01	100.39	83.88	-1,003.44	6,662.30	1,916.31	1,715.78	200.52	9.556		
12,600.00	7,171.60	12,535.86	6,965.32	102.65	102.02	83.88	-1,003.31	6,762.30	1,916.82	1,713.04	203.79	9.406		
12,700.00	7,171.24	12,635.85	6,964.79	104.28	103.66	83.88	-1,003.17	6,862.30	1,917.34	1,710.29	207.05	9.260		
12,800.00	7,170.88	12,735.85	6,964.26	105.92	105.30	83.87	-1,003.03	6,962.29	1,917.86	1,707.54	210.32	9.119		
12,900.00	7,170.52	12,835.85	6,963.73	107.56	106.94	83.87	-1,002.89	7,062.29	1,918.37	1,704.78	213.59	8.982		
13,000.00	7,170.16	12,935.85	6,963.20	109.20	108.59	83.87	-1,002.76	7,162.29	1,918.89	1,702.03	216.86	8.849		
13,100.00	7,169.80	13,035.85	6,962.67	110.84	110.23	83.86	-1,002.62	7,262.29	1,919.41	1,699.28	220.13	8.719		
13,200.00	7,169.44	13,135.85	6,962.14	112.48	111.87	83.86	-1,002.48	7,362.28	1,919.92	1,696.52	223.41	8.594		
13,300.00	7,169.08	13,235.85	6,961.61	114.12	113.52	83.86	-1,002.34	7,462.28	1,920.44	1,693.76	226.68	8.472		
13,400.00	7,168.72	13,335.84	6,961.08	115.77	115.16	83.85	-1,002.21	7,562.28	1,920.96	1,691.00	229.96	8.354		
13,500.00	7,168.37	13,435.84	6,960.55	117.41	116.81	83.85	-1,002.07	7,662.27	1,921.47	1,688.24	233.24	8.238		
13,600.00	7,168.01	13,535.84	6,960.02	119.05	118.46	83.85	-1,001.93	7,762.27	1,921.99	1,685.48	236.52	8.126		
13,700.00	7,167.65	13,635.84	6,959.49	120.70	120.11	83.84	-1,001.79	7,862.27	1,922.51	1,682.71	239.80	8.017		
13,800.00	7,167.29	13,735.84	6,958.96	122.35	121.75	83.84	-1,001.66	7,962.27	1,923.02	1,679.95	243.08	7.911		
13,900.00	7,166.93	13,835.84	6,958.43	123.99	123.40	83.84	-1,001.52	8,062.26	1,923.54	1,677.18	246.36	7.808		
14,000.00	7,166.57	13,935.84	6,957.90	125.64	125.05	83.83	-1,001.38	8,162.26	1,924.06	1,674.41	249.65	7.707		
14,100.00	7,166.21	14,035.83	6,957.37	127.29	126.70	83.83	-1,001.24	8,262.26	1,924.57	1,671.64	252.93	7.609		
14,200.00	7,165.85	14,135.83	6,956.84	128.94	128.35	83.83	-1,001.11	8,362.25	1,925.09	1,668.87	256.22	7.514		
14,300.00	7,165.49	14,235.83	6,956.31	130.59	130.01	83.82	-1,000.97	8,462.25	1,925.61	1,666.10	259.50	7.420		
14,400.00	7,165.13	14,335.83	6,955.78	132.24	131.66	83.82	-1,000.83	8,562.25	1,926.13	1,663.33	262.79	7.329		
14,500.00	7,164.77	14,435.83	6,955.25	133.89	133.31	83.82	-1,000.69	8,662.25	1,926.64	1,660.56	266.08	7.241		
14,600.00	7,164.41	14,535.83	6,954.72	135.54	134.96	83.81	-1,000.56	8,762.24	1,927.16	1,657.79	269.37	7.154		
14,700.00	7,164.06	14,635.83	6,954.19	137.19	136.62	83.81	-1,000.42	8,862.24	1,927.68	1,655.01	272.66	7.070		
14,800.00	7,163.70	14,735.82	6,953.66	138.84	138.27	83.80	-1,000.28	8,962.24	1,928.19	1,652.24	275.95	6.987		
14,900.00	7,163.34	14,835.82	6,953.13	140.49	139.93	83.80	-1,000.14	9,062.23	1,928.71	1,649.46	279.25	6.907		
15,000.00	7,162.98	14,935.82	6,952.60	142.15	141.58	83.80	-1,000.01	9,162.23	1,929.23	1,646.69	282.54	6.828		
15,100.00	7,162.62	15,035.82	6,952.07	143.80	143.24	83.79	-999.87	9,262.23	1,929.74	1,643.91	285.83	6.751		
15,200.00	7,162.26	15,135.82	6,951.54	145.45	144.89	83.79	-999.73	9,362.23	1,930.26	1,641.13	289.13	6.676		
15,300.00	7,161.90	15,235.82	6,951.01	147.11	146.55	83.79	-999.59	9,462.22	1,930.78	1,638.35	292.43	6.603		
15,400.00	7,161.54	15,335.82	6,950.48	148.76	148.20	83.78	-999.46	9,562.22	1,931.29	1,635.57	295.72	6.531		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36N-3A-L - Wellbore #1 - Design #1												Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
15,500.00	7,161.18	15,435.81	6,949.95	150.42	149.86	83.78	-999.32	9,662.22	1,931.81	1,632.79	299.02	6.461	
15,600.00	7,160.82	15,535.81	6,949.42	152.07	151.52	83.78	-999.18	9,762.21	1,932.33	1,630.01	302.32	6.392	
15,700.00	7,160.46	15,635.81	6,948.89	153.73	153.18	83.77	-999.04	9,862.21	1,932.84	1,627.23	305.61	6.324	
15,800.00	7,160.10	15,735.81	6,948.36	155.38	154.83	83.77	-998.91	9,962.21	1,933.36	1,624.45	308.91	6.259	
15,900.00	7,159.75	15,835.81	6,947.83	157.04	156.49	83.77	-998.77	10,062.20	1,933.88	1,621.67	312.21	6.194	
16,000.00	7,159.39	15,935.81	6,947.30	158.70	158.15	83.76	-998.63	10,162.20	1,934.39	1,618.88	315.51	6.131	
16,100.00	7,159.03	16,035.81	6,946.77	160.35	159.81	83.76	-998.49	10,262.20	1,934.91	1,616.10	318.81	6.069	
16,200.00	7,158.67	16,135.81	6,946.24	162.01	161.47	83.76	-998.36	10,362.20	1,935.43	1,613.32	322.11	6.009	
16,300.00	7,158.31	16,235.80	6,945.71	163.67	163.13	83.75	-998.22	10,462.19	1,935.95	1,610.53	325.41	5.949	
16,400.00	7,157.95	16,335.80	6,945.18	165.33	164.79	83.75	-998.08	10,562.19	1,936.46	1,607.75	328.71	5.891	
16,500.00	7,157.59	16,435.80	6,944.65	166.99	166.45	83.75	-997.94	10,662.19	1,936.98	1,604.96	332.02	5.834	
16,600.00	7,157.23	16,535.80	6,944.12	168.64	168.11	83.74	-997.81	10,762.18	1,937.50	1,602.18	335.32	5.778	
16,700.00	7,156.87	16,635.80	6,943.59	170.30	169.77	83.74	-997.67	10,862.18	1,938.01	1,599.39	338.62	5.723	
16,800.00	7,156.51	16,735.80	6,943.06	171.96	171.43	83.74	-997.53	10,962.18	1,938.53	1,596.61	341.92	5.669	
16,900.00	7,156.15	16,835.80	6,942.53	173.62	173.09	83.73	-997.39	11,062.18	1,939.05	1,593.82	345.23	5.617	
17,000.00	7,155.79	16,935.79	6,942.00	175.28	174.75	83.73	-997.26	11,162.17	1,939.56	1,591.03	348.53	5.565	
17,100.00	7,155.44	17,035.79	6,941.47	176.94	176.41	83.73	-997.12	11,262.17	1,940.08	1,588.24	351.84	5.514	
17,200.00	7,155.08	17,135.79	6,940.94	178.60	178.07	83.72	-996.98	11,362.17	1,940.60	1,585.46	355.14	5.464	
17,300.00	7,154.72	17,235.79	6,940.41	180.26	179.73	83.72	-996.84	11,462.16	1,941.12	1,582.67	358.45	5.415	
17,400.00	7,154.36	17,335.79	6,939.88	181.92	181.40	83.72	-996.71	11,562.16	1,941.63	1,579.88	361.75	5.367	
17,500.00	7,154.00	17,435.79	6,939.35	183.58	183.06	83.71	-996.57	11,662.16	1,942.15	1,577.09	365.06	5.320	
17,600.00	7,153.64	17,535.79	6,938.82	185.24	184.72	83.71	-996.43	11,762.16	1,942.67	1,574.30	368.36	5.274	
17,700.00	7,153.28	17,601.54	6,938.47	186.90	185.81	83.71	-996.34	11,827.91	1,943.49	1,572.43	371.05	5.238 SF	
17,800.00	7,152.92	17,601.54	6,938.47	188.56	185.81	83.71	-996.34	11,827.91	1,948.33	1,576.43	371.90	5.239	
17,900.00	7,152.56	17,601.54	6,938.47	190.23	185.81	83.71	-996.34	11,827.91	1,958.28	1,586.47	371.81	5.267	
18,000.00	7,152.20	17,601.54	6,938.47	191.89	185.81	83.71	-996.34	11,827.91	1,973.25	1,602.45	370.80	5.322	
18,100.00	7,151.84	17,601.54	6,938.47	193.55	185.81	83.71	-996.34	11,827.91	1,993.13	1,624.21	368.92	5.403	
18,156.36	7,151.64	17,601.54	6,938.47	194.48	185.81	83.71	-996.34	11,827.91	2,006.45	1,638.95	367.50	5.460	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.00	-2.00	3.28	3.28	90.52	-1.46	160.09	160.09				
100.00	100.00	102.00	98.00	3.28	3.28	90.52	-1.46	160.09	160.09	152.56	7.53	21.263	
200.00	200.00	198.00	198.00	3.31	3.30	90.52	-1.46	160.09	160.09	152.52	7.57	21.139 CC, ES	
300.00	300.00	293.42	293.40	3.35	3.34	35.33	-2.21	161.41	161.26	153.61	7.65	21.068	
400.00	399.94	388.57	388.43	3.42	3.40	36.72	-4.54	165.47	163.05	155.29	7.77	20.995	
500.00	499.72	483.37	482.91	3.51	3.48	39.25	-8.43	172.23	165.22	157.31	7.91	20.880	
600.00	599.20	577.65	576.56	3.62	3.58	42.83	-13.83	181.64	168.23	160.13	8.10	20.779	
700.00	698.27	671.23	669.11	3.76	3.72	47.30	-20.70	193.62	172.69	164.38	8.32	20.766	
800.00	796.81	766.60	762.98	3.93	3.89	52.60	-29.08	208.22	179.01	170.41	8.60	20.823	
900.00	894.69	864.46	859.23	4.15	4.11	58.50	-37.89	223.57	185.55	176.59	8.96	20.717	
1,000.00	991.81	961.85	955.01	4.41	4.34	64.81	-46.65	238.84	192.57	183.18	9.38	20.520	
1,100.00	1,088.65	1,059.04	1,050.60	4.71	4.60	71.01	-55.40	254.09	201.52	191.64	9.88	20.393	
1,200.00	1,185.48	1,156.23	1,146.19	5.04	4.87	76.65	-64.15	269.34	212.72	202.28	10.43	20.386	
1,300.00	1,282.32	1,253.43	1,241.78	5.39	5.16	81.70	-72.90	284.58	225.82	214.78	11.03	20.469	
1,400.00	1,379.16	1,350.62	1,337.37	5.76	5.47	86.19	-81.65	299.83	240.51	228.84	11.66	20.620	
1,500.00	1,475.99	1,447.81	1,432.96	6.14	5.78	90.16	-90.40	315.08	256.52	244.19	12.32	20.816	
1,600.00	1,572.83	1,545.01	1,528.55	6.54	6.10	93.66	-99.15	330.32	273.62	260.61	13.01	21.038	
1,700.00	1,669.67	1,642.20	1,624.14	6.94	6.43	96.75	-107.90	345.57	291.61	277.91	13.70	21.279	
1,800.00	1,766.50	1,739.39	1,719.73	7.36	6.77	99.48	-116.65	360.82	310.35	295.93	14.42	21.528	
1,900.00	1,863.34	1,836.59	1,815.32	7.59	7.06	101.90	-125.40	376.06	329.70	315.17	14.53	22.697	
2,000.00	1,960.18	1,933.78	1,910.91	7.65	7.19	104.05	-134.15	391.31	349.56	334.85	14.72	23.753	
2,100.00	2,057.01	2,030.97	2,006.50	7.73	7.24	105.97	-142.90	406.56	369.86	355.01	14.84	24.915	
2,200.00	2,153.85	2,128.17	2,102.09	7.83	7.30	107.69	-151.64	421.80	390.51	375.51	15.00	26.027	
2,300.00	2,250.69	2,225.36	2,197.68	7.95	7.38	109.25	-160.39	437.05	411.48	396.28	15.19	27.082	
2,400.00	2,347.52	2,322.55	2,293.27	8.08	7.47	110.65	-169.14	452.30	432.71	417.29	15.41	28.074	
2,500.00	2,444.36	2,419.75	2,388.86	8.24	7.58	111.92	-177.89	467.54	454.16	438.50	15.66	29.001	
2,600.00	2,541.20	2,516.94	2,484.45	8.40	7.70	113.08	-186.64	482.79	475.81	459.88	15.94	29.859	
2,700.00	2,638.03	2,614.13	2,580.04	8.59	7.83	114.13	-195.39	498.04	497.63	481.40	16.24	30.650	
2,800.00	2,734.87	2,711.33	2,675.63	8.78	7.98	115.10	-204.14	513.28	519.60	503.04	16.56	31.374	
2,900.00	2,831.71	2,808.52	2,771.22	8.99	8.14	115.99	-212.89	528.53	541.70	524.79	16.91	32.033	
3,000.00	2,928.54	2,905.71	2,866.82	9.21	8.31	116.81	-221.64	543.77	563.92	546.63	17.28	32.631	
3,100.00	3,025.38	3,002.91	2,962.41	9.45	8.49	117.57	-230.39	559.02	586.23	568.56	17.67	33.168	
3,200.00	3,122.22	3,100.10	3,058.00	9.69	8.68	118.27	-239.14	574.27	608.64	590.56	18.09	33.653	
3,300.00	3,219.05	3,202.71	3,153.59	9.94	8.89	118.93	-247.89	589.51	631.13	612.61	18.53	34.066	
3,400.00	3,315.89	3,305.52	3,249.18	10.20	9.11	119.53	-256.64	604.76	653.70	634.71	18.99	34.431	
3,500.00	3,412.73	3,391.68	3,344.77	10.48	9.31	120.10	-265.39	620.01	676.33	656.90	19.43	34.816	
3,600.00	3,509.56	3,488.87	3,440.36	10.75	9.53	120.63	-274.14	635.25	699.01	679.11	19.90	35.121	
3,700.00	3,606.40	3,586.06	3,535.95	11.04	9.76	121.13	-282.88	650.50	721.76	701.36	20.39	35.390	
3,800.00	3,703.24	3,683.26	3,631.54	11.33	10.00	121.60	-291.63	665.75	744.55	723.65	20.90	35.628	
3,900.00	3,800.07	3,780.45	3,727.13	11.63	10.24	122.04	-300.38	680.99	767.38	745.97	21.41	35.836	
4,000.00	3,896.91	3,877.64	3,822.72	11.93	10.49	122.45	-309.13	696.24	790.26	768.32	21.94	36.019	
4,100.00	3,993.75	3,974.84	3,918.31	12.24	10.75	122.85	-317.88	711.49	813.17	790.69	22.48	36.178	
4,200.00	4,090.58	4,072.03	4,013.90	12.55	11.00	123.22	-326.63	726.73	836.12	813.09	23.02	36.317	
4,300.00	4,187.42	4,169.22	4,109.49	12.87	11.27	123.57	-335.38	741.98	859.09	835.52	23.58	36.436	
4,400.00	4,284.26	4,266.42	4,205.08	13.19	11.54	123.90	-344.13	757.23	882.10	857.96	24.14	36.539	
4,500.00	4,381.09	4,363.61	4,300.67	13.52	11.81	124.21	-352.88	772.47	905.13	880.42	24.71	36.627	
4,600.00	4,477.93	4,460.80	4,396.26	13.85	12.08	124.51	-361.63	787.72	928.19	902.90	25.29	36.702	
4,700.00	4,574.77	4,558.00	4,491.85	14.18	12.36	124.80	-370.38	802.97	951.27	925.40	25.87	36.765	
4,800.00	4,671.60	4,655.19	4,587.44	14.52	12.65	125.07	-379.13	818.21	974.38	947.91	26.47	36.817	
4,900.00	4,768.44	4,752.38	4,683.03	14.86	12.93	125.33	-387.88	833.46	997.50	970.44	27.06	36.859	
5,000.00	4,865.27	4,849.58	4,778.62	15.20	13.22	125.58	-396.63	848.71	1,020.64	992.97	27.66	36.893	
5,100.00	4,962.11	4,946.77	4,874.21	15.54	13.51	125.81	-405.37	863.95	1,043.80	1,015.52	28.27	36.920	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36N-3B-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.00	5,058.95	5,043.96	4,969.80	15.89	13.80	126.04	-414.12	879.20	1,066.97	1,038.09	28.88	36.940		
5,300.00	5,155.78	5,141.16	5,065.39	16.24	14.10	126.25	-422.87	894.44	1,090.16	1,060.66	29.50	36.954		
5,400.00	5,252.62	5,238.35	5,160.98	16.59	14.40	126.46	-431.62	909.69	1,113.36	1,083.24	30.12	36.963		
5,500.00	5,349.46	5,335.54	5,256.57	16.94	14.70	126.66	-440.37	924.94	1,136.58	1,105.83	30.75	36.967		
5,600.00	5,446.29	5,432.74	5,352.16	17.30	15.00	126.85	-449.12	940.18	1,159.81	1,128.43	31.37	36.967		
5,700.00	5,543.13	5,529.93	5,447.76	17.65	15.30	127.04	-457.87	955.43	1,183.05	1,151.04	32.01	36.963		
5,800.00	5,639.97	5,627.12	5,543.35	18.01	15.61	127.21	-466.62	970.68	1,206.30	1,173.66	32.64	36.956		
5,900.00	5,736.80	5,724.32	5,638.94	18.37	15.91	127.38	-475.37	985.92	1,229.56	1,196.28	33.28	36.946		
6,000.00	5,833.64	5,821.51	5,734.53	18.73	16.22	127.55	-484.12	1,001.17	1,252.83	1,218.91	33.92	36.933		
6,100.00	5,930.48	5,918.70	5,830.12	19.09	16.53	127.70	-492.87	1,016.42	1,276.12	1,241.55	34.57	36.919		
6,200.00	6,027.31	6,015.90	5,925.71	19.46	16.84	127.86	-501.62	1,031.66	1,299.41	1,264.19	35.21	36.902		
6,300.00	6,124.15	6,113.09	6,021.30	19.82	17.15	128.00	-510.37	1,046.91	1,322.71	1,286.84	35.86	36.883		
6,400.00	6,220.99	6,210.28	6,116.89	20.19	17.47	128.14	-519.12	1,062.16	1,346.01	1,309.50	36.51	36.863		
6,500.00	6,317.82	6,307.48	6,212.48	20.55	17.78	128.28	-527.87	1,077.40	1,369.33	1,332.16	37.17	36.842		
6,600.00	6,414.66	6,404.67	6,308.07	20.92	18.10	128.41	-536.61	1,092.65	1,392.65	1,354.82	37.82	36.820		
6,700.00	6,511.50	6,501.86	6,403.66	21.29	18.41	128.54	-545.36	1,107.90	1,415.97	1,377.49	38.48	36.796		
6,800.00	6,608.33	6,600.95	6,499.25	21.66	18.74	128.66	-554.11	1,123.14	1,439.31	1,400.16	39.15	36.766		
6,900.00	6,705.11	6,700.56	6,599.05	22.03	19.06	124.61	-563.25	1,139.29	1,462.64	1,422.81	39.83	36.724		
7,000.00	6,799.10	6,831.78	6,724.14	22.47	19.59	111.06	-574.63	1,176.42	1,484.73	1,443.90	40.82	36.370		
7,100.00	6,887.20	6,964.04	6,839.89	23.02	20.27	103.58	-585.04	1,239.06	1,504.36	1,462.27	42.09	35.741		
7,200.00	6,967.23	7,095.75	6,939.92	23.68	21.11	98.58	-593.91	1,323.93	1,521.05	1,477.42	43.63	34.865		
7,300.00	7,037.23	7,225.29	7,019.31	24.45	22.08	94.88	-600.81	1,425.77	1,534.44	1,489.02	45.43	33.779		
7,400.00	7,095.47	7,351.22	7,075.30	25.31	23.16	92.02	-605.51	1,538.24	1,544.32	1,496.87	47.45	32.546		
7,500.00	7,140.51	7,472.45	7,107.40	26.27	24.32	89.80	-607.99	1,654.93	1,550.57	1,500.92	49.65	31.231		
7,600.00	7,171.26	7,588.35	7,116.99	27.31	25.50	88.13	-608.40	1,770.27	1,553.18	1,501.25	51.93	29.910		
7,700.00	7,186.94	7,686.57	7,116.65	28.40	26.56	87.38	-607.97	1,868.49	1,552.62	1,498.49	54.13	28.684		
7,800.00	7,188.83	7,786.45	7,116.30	29.51	27.70	87.40	-607.53	1,968.37	1,549.40	1,492.95	56.45	27.448		
7,900.00	7,188.47	7,886.38	7,115.95	30.67	28.89	87.39	-607.09	2,068.30	1,545.72	1,486.86	58.87	26.258		
8,000.00	7,188.11	7,986.31	7,115.60	31.88	30.13	87.38	-606.64	2,168.23	1,542.05	1,480.68	61.37	25.126		
8,100.00	7,187.76	8,086.25	7,115.25	33.12	31.42	87.38	-606.20	2,268.16	1,538.38	1,474.42	63.96	24.054		
8,200.00	7,187.40	8,186.18	7,114.90	34.40	32.74	87.37	-605.76	2,368.09	1,534.71	1,468.10	66.61	23.041		
8,300.00	7,187.04	8,286.11	7,114.56	35.71	34.09	87.37	-605.32	2,468.02	1,531.04	1,461.72	69.32	22.087		
8,400.00	7,186.68	8,386.04	7,114.21	37.05	35.47	87.36	-604.87	2,567.95	1,527.36	1,455.28	72.08	21.189		
8,500.00	7,186.32	8,485.98	7,113.86	38.42	36.88	87.36	-604.43	2,667.88	1,523.69	1,448.80	74.89	20.345		
8,600.00	7,185.96	8,585.91	7,113.51	39.81	38.30	87.35	-603.99	2,767.81	1,520.02	1,442.27	77.75	19.551		
8,700.00	7,185.60	8,685.84	7,113.16	41.22	39.75	87.34	-603.55	2,867.74	1,516.35	1,435.71	80.64	18.804		
8,800.00	7,185.24	8,785.77	7,112.81	42.65	41.21	87.34	-603.11	2,967.67	1,512.68	1,429.11	83.57	18.102		
8,900.00	7,184.89	8,885.71	7,112.46	44.10	42.69	87.33	-602.66	3,067.60	1,509.01	1,422.48	86.52	17.441		
9,000.00	7,184.53	8,985.64	7,112.11	45.56	44.19	87.32	-602.22	3,167.54	1,505.33	1,415.83	89.50	16.819		
9,100.00	7,184.17	9,085.57	7,111.76	47.04	45.69	87.32	-601.78	3,267.47	1,501.66	1,409.15	92.51	16.232		
9,200.00	7,183.81	9,185.50	7,111.42	48.52	47.21	87.31	-601.34	3,367.40	1,497.99	1,402.45	95.54	15.679		
9,300.00	7,183.45	9,285.44	7,111.07	50.03	48.74	87.31	-600.90	3,467.33	1,494.32	1,395.73	98.59	15.157		
9,400.00	7,183.09	9,385.37	7,110.72	51.54	50.28	87.30	-600.45	3,567.26	1,490.65	1,388.99	101.66	14.663		
9,500.00	7,182.73	9,485.30	7,110.37	53.06	51.82	87.29	-600.01	3,667.19	1,486.98	1,382.23	104.75	14.196		
9,600.00	7,182.37	9,585.27	7,110.02	54.59	53.37	87.29	-599.57	3,767.16	1,484.75	1,376.91	107.84	13.768		
9,675.10	7,182.10	9,660.37	7,109.76	55.74	54.55	87.28	-599.24	3,842.26	1,484.58	1,374.40	110.18	13.475		
9,700.00	7,182.01	9,685.27	7,109.67	56.12	54.94	87.28	-599.13	3,867.16	1,484.88	1,373.93	110.95	13.383		
9,800.00	7,181.65	9,785.27	7,109.32	57.67	56.50	87.29	-598.68	3,967.15	1,485.08	1,371.00	114.08	13.018		
9,900.00	7,181.30	9,885.27	7,108.97	59.23	58.08	87.29	-598.24	4,067.15	1,485.27	1,368.05	117.22	12.671		
10,000.00	7,180.94	9,985.27	7,108.62	60.79	59.66	87.29	-597.80	4,167.15	1,485.47	1,365.10	120.37	12.341		
10,100.00	7,180.58	10,085.27	7,108.27	62.36	61.24	87.29	-597.36	4,267.15	1,485.66	1,362.13	123.53	12.027		
10,200.00	7,180.22	10,185.27	7,107.93	63.94	62.83	87.29	-596.91	4,367.15	1,485.86	1,359.16	126.70	11.727		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-05 VOLT 19-5 PAD - VOLT 36N-3B-L - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,179.86	10,285.27	7,107.58	65.52	64.42	87.29	-596.47	4,467.15	1,486.05	1,356.18	129.88	11.442	
10,400.00	7,179.50	10,385.27	7,107.23	67.10	66.02	87.29	-596.03	4,567.14	1,486.25	1,353.18	133.07	11.169	
10,500.00	7,179.14	10,485.27	7,106.88	68.69	67.62	87.29	-595.59	4,667.14	1,486.45	1,350.19	136.26	10.909	
10,600.00	7,178.78	10,585.27	7,106.53	70.28	69.22	87.29	-595.14	4,767.14	1,486.64	1,347.18	139.46	10.660	
10,700.00	7,178.42	10,685.27	7,106.18	71.87	70.83	87.29	-594.70	4,867.14	1,486.84	1,344.17	142.67	10.422	
10,800.00	7,178.06	10,785.27	7,105.83	73.47	72.44	87.29	-594.26	4,967.14	1,487.03	1,341.15	145.88	10.193	
10,900.00	7,177.70	10,885.27	7,105.48	75.08	74.05	87.29	-593.82	5,067.14	1,487.23	1,338.13	149.10	9.975	
11,000.00	7,177.34	10,985.27	7,105.13	76.68	75.67	87.29	-593.37	5,167.13	1,487.42	1,335.10	152.33	9.765	
11,100.00	7,176.99	11,085.27	7,104.78	78.29	77.29	87.29	-592.93	5,267.13	1,487.62	1,332.07	155.55	9.563	
11,200.00	7,176.63	11,185.27	7,104.43	79.90	78.91	87.30	-592.49	5,367.13	1,487.82	1,329.03	158.79	9.370	
11,300.00	7,176.27	11,285.27	7,104.08	81.51	80.53	87.30	-592.05	5,467.13	1,488.01	1,325.99	162.03	9.184	
11,400.00	7,175.91	11,385.27	7,103.74	83.13	82.15	87.30	-591.61	5,567.13	1,488.21	1,322.94	165.27	9.005	
11,500.00	7,175.55	11,485.27	7,103.39	84.74	83.78	87.30	-591.16	5,667.12	1,488.40	1,319.89	168.52	8.832	
11,600.00	7,175.19	11,585.27	7,103.04	86.36	85.41	87.30	-590.72	5,767.12	1,488.60	1,316.83	171.77	8.666	
11,700.00	7,174.83	11,685.27	7,102.69	87.98	87.04	87.30	-590.28	5,867.12	1,488.79	1,313.78	175.02	8.507	
11,800.00	7,174.47	11,785.27	7,102.34	89.61	88.67	87.30	-589.84	5,967.12	1,488.99	1,310.72	178.27	8.352	
11,900.00	7,174.11	11,885.27	7,101.99	91.23	90.30	87.30	-589.39	6,067.12	1,489.19	1,307.65	181.53	8.203	
12,000.00	7,173.75	11,985.27	7,101.64	92.86	91.93	87.30	-588.95	6,167.12	1,489.38	1,304.59	184.80	8.060	
12,100.00	7,173.39	12,085.27	7,101.29	94.49	93.57	87.30	-588.51	6,267.11	1,489.58	1,301.52	188.06	7.921	
12,200.00	7,173.03	12,185.27	7,100.94	96.12	95.21	87.30	-588.07	6,367.11	1,489.77	1,298.44	191.33	7.786	
12,300.00	7,172.68	12,285.27	7,100.59	97.75	96.85	87.30	-587.62	6,467.11	1,489.97	1,295.37	194.60	7.657	
12,400.00	7,172.32	12,385.27	7,100.24	99.38	98.48	87.30	-587.18	6,567.11	1,490.16	1,292.29	197.87	7.531	
12,500.00	7,171.96	12,485.26	7,099.90	101.01	100.13	87.31	-586.74	6,667.11	1,490.36	1,289.21	201.15	7.409	
12,600.00	7,171.60	12,585.26	7,099.55	102.65	101.77	87.31	-586.30	6,767.11	1,490.56	1,286.13	204.42	7.291	
12,700.00	7,171.24	12,685.26	7,099.20	104.28	103.41	87.31	-585.85	6,867.10	1,490.75	1,283.05	207.70	7.177	
12,800.00	7,170.88	12,785.26	7,098.85	105.92	105.05	87.31	-585.41	6,967.10	1,490.95	1,279.96	210.98	7.067	
12,900.00	7,170.52	12,885.26	7,098.50	107.56	106.70	87.31	-584.97	7,067.10	1,491.14	1,276.88	214.27	6.959	
13,000.00	7,170.16	12,985.26	7,098.15	109.20	108.34	87.31	-584.53	7,167.10	1,491.34	1,273.79	217.55	6.855	
13,100.00	7,169.80	13,085.26	7,097.80	110.84	109.99	87.31	-584.08	7,267.10	1,491.53	1,270.70	220.84	6.754	
13,200.00	7,169.44	13,185.26	7,097.45	112.48	111.63	87.31	-583.64	7,367.09	1,491.73	1,267.60	224.13	6.656	
13,300.00	7,169.08	13,285.26	7,097.10	114.12	113.28	87.31	-583.20	7,467.09	1,491.93	1,264.51	227.42	6.560	
13,400.00	7,168.72	13,385.26	7,096.75	115.77	114.93	87.31	-582.76	7,567.09	1,492.12	1,261.42	230.71	6.468	
13,500.00	7,168.37	13,485.26	7,096.40	117.41	116.58	87.31	-582.31	7,667.09	1,492.32	1,258.32	234.00	6.377	
13,600.00	7,168.01	13,585.26	7,096.05	119.05	118.23	87.31	-581.87	7,767.09	1,492.51	1,255.22	237.29	6.290	
13,700.00	7,167.65	13,685.26	7,095.71	120.70	119.88	87.31	-581.43	7,867.09	1,492.71	1,252.12	240.59	6.204	
13,800.00	7,167.29	13,785.26	7,095.36	122.35	121.53	87.31	-580.99	7,967.08	1,492.91	1,249.02	243.88	6.121	
13,900.00	7,166.93	13,885.26	7,095.01	123.99	123.18	87.32	-580.54	8,067.08	1,493.10	1,245.92	247.18	6.041	
14,000.00	7,166.57	13,985.26	7,094.66	125.64	124.83	87.32	-580.10	8,167.08	1,493.30	1,242.82	250.48	5.962	
14,100.00	7,166.21	14,085.26	7,094.31	127.29	126.49	87.32	-579.66	8,267.08	1,493.49	1,239.71	253.78	5.885	
14,200.00	7,165.85	14,185.26	7,093.96	128.94	128.14	87.32	-579.22	8,367.08	1,493.69	1,236.61	257.08	5.810	
14,300.00	7,165.49	14,285.26	7,093.61	130.59	129.79	87.32	-578.77	8,467.07	1,493.88	1,233.50	260.38	5.737	
14,400.00	7,165.13	14,385.26	7,093.26	132.24	131.45	87.32	-578.33	8,567.07	1,494.08	1,230.39	263.68	5.666	
14,500.00	7,164.77	14,485.26	7,092.91	133.89	133.10	87.32	-577.89	8,667.07	1,494.28	1,227.29	266.99	5.597	
14,600.00	7,164.41	14,585.26	7,092.56	135.54	134.76	87.32	-577.45	8,767.07	1,494.47	1,224.18	270.29	5.529	
14,700.00	7,164.06	14,685.26	7,092.21	137.19	136.41	87.32	-577.00	8,867.07	1,494.67	1,221.07	273.60	5.463	
14,800.00	7,163.70	14,785.26	7,091.87	138.84	138.07	87.32	-576.56	8,967.07	1,494.86	1,217.96	276.90	5.398	
14,900.00	7,163.34	14,885.26	7,091.52	140.49	139.72	87.32	-576.12	9,067.06	1,495.06	1,214.85	280.21	5.335	
15,000.00	7,162.98	14,985.26	7,091.17	142.15	141.38	87.32	-575.68	9,167.06	1,495.25	1,211.73	283.52	5.274	
15,100.00	7,162.62	15,085.26	7,090.82	143.80	143.04	87.32	-575.23	9,267.06	1,495.45	1,208.62	286.83	5.214	
15,200.00	7,162.26	15,185.26	7,090.47	145.45	144.69	87.33	-574.79	9,367.06	1,495.65	1,205.51	290.14	5.155	
15,300.00	7,161.90	15,285.26	7,090.12	147.11	146.35	87.33	-574.35	9,467.06	1,495.84	1,202.39	293.45	5.097	
15,400.00	7,161.54	15,385.26	7,089.77	148.76	148.01	87.33	-573.91	9,567.06	1,496.04	1,199.28	296.76	5.041	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-05 VOLT 19-5 PAD - VOLT 36N-3B-L - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,161.18	15,485.26	7,089.42	150.42	149.67	87.33	-573.46	9,667.05	1,496.23	1,196.16	300.07	4.986	
15,600.00	7,160.82	15,585.26	7,089.07	152.07	151.33	87.33	-573.02	9,767.05	1,496.43	1,193.05	303.38	4.932	
15,700.00	7,160.46	15,685.26	7,088.72	153.73	152.98	87.33	-572.58	9,867.05	1,496.62	1,189.93	306.70	4.880	
15,800.00	7,160.10	15,785.26	7,088.37	155.38	154.64	87.33	-572.14	9,967.05	1,496.82	1,186.81	310.01	4.828	
15,900.00	7,159.75	15,885.26	7,088.02	157.04	156.30	87.33	-571.70	10,067.05	1,497.02	1,183.69	313.32	4.778	
16,000.00	7,159.39	15,985.26	7,087.68	158.70	157.96	87.33	-571.25	10,167.04	1,497.21	1,180.57	316.64	4.728	
16,100.00	7,159.03	16,085.26	7,087.33	160.35	159.62	87.33	-570.81	10,267.04	1,497.41	1,177.45	319.95	4.680	
16,200.00	7,158.67	16,185.26	7,086.98	162.01	161.28	87.33	-570.37	10,367.04	1,497.60	1,174.33	323.27	4.633	
16,300.00	7,158.31	16,285.26	7,086.63	163.67	162.94	87.33	-569.93	10,467.04	1,497.80	1,171.21	326.58	4.586	
16,400.00	7,157.95	16,385.26	7,086.28	165.33	164.60	87.33	-569.48	10,567.04	1,497.99	1,168.09	329.90	4.541	
16,500.00	7,157.59	16,485.26	7,085.93	166.99	166.27	87.33	-569.04	10,667.04	1,498.19	1,164.97	333.22	4.496	
16,600.00	7,157.23	16,585.26	7,085.58	168.64	167.93	87.34	-568.60	10,767.03	1,498.39	1,161.85	336.54	4.452	
16,700.00	7,156.87	16,685.26	7,085.23	170.30	169.59	87.34	-568.16	10,867.03	1,498.58	1,158.73	339.85	4.409	
16,800.00	7,156.51	16,785.26	7,084.88	171.96	171.25	87.34	-567.71	10,967.03	1,498.78	1,155.60	343.17	4.367	
16,900.00	7,156.15	16,885.26	7,084.53	173.62	172.91	87.34	-567.27	11,067.03	1,498.97	1,152.48	346.49	4.326	
17,000.00	7,155.79	16,985.26	7,084.18	175.28	174.57	87.34	-566.83	11,167.03	1,499.17	1,149.36	349.81	4.286	
17,100.00	7,155.44	17,085.26	7,083.84	176.94	176.24	87.34	-566.39	11,267.03	1,499.36	1,146.23	353.13	4.246	
17,200.00	7,155.08	17,185.26	7,083.49	178.60	177.90	87.34	-565.94	11,367.02	1,499.56	1,143.11	356.45	4.207	
17,300.00	7,154.72	17,285.26	7,083.14	180.26	179.56	87.34	-565.50	11,467.02	1,499.76	1,139.98	359.77	4.169	
17,400.00	7,154.36	17,385.26	7,082.79	181.92	181.22	87.34	-565.06	11,567.02	1,499.95	1,136.86	363.09	4.131	
17,500.00	7,154.00	17,485.26	7,082.44	183.58	182.89	87.34	-564.62	11,667.02	1,500.15	1,133.73	366.41	4.094	
17,600.00	7,153.64	17,585.26	7,082.09	185.24	184.55	87.34	-564.17	11,767.02	1,500.34	1,130.61	369.73	4.058	
17,700.00	7,153.28	17,685.26	7,081.74	186.90	186.21	87.34	-563.73	11,867.01	1,500.54	1,127.48	373.06	4.022	
17,800.00	7,152.92	17,785.25	7,081.39	188.56	187.88	87.34	-563.29	11,967.01	1,500.73	1,124.36	376.38	3.987	
17,900.00	7,152.56	17,885.25	7,081.04	190.23	189.54	87.34	-562.85	12,067.01	1,500.93	1,121.23	379.70	3.953	
18,000.00	7,152.20	17,985.25	7,080.69	191.89	191.20	87.35	-562.40	12,167.01	1,501.13	1,118.10	383.02	3.919	
18,100.00	7,151.84	17,997.31	7,080.65	193.55	191.40	87.35	-562.35	12,179.07	1,503.89	1,119.75	384.15	3.915 SF	
18,156.36	7,151.64	17,997.31	7,080.65	194.48	191.40	87.35	-562.35	12,179.07	1,508.35	1,124.41	383.94	3.929	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-07 BOST FARM 5-7 PAD - BOST FARM 26N-8B-L - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1750-SRC Energy_ISCWSA REV 2 MWD+IFR1													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,700.00	5,543.13	14,826.45	7,139.51	17.65	231.47	133.03	-1,216.83	1,007.45	2,457.37	2,251.49	205.88	11.936		
5,800.00	5,639.97	14,849.04	7,139.99	18.01	232.14	132.45	-1,216.89	1,030.03	2,410.62	2,199.49	211.13	11.418		
5,900.00	5,736.80	14,871.62	7,140.48	18.37	232.80	131.87	-1,216.95	1,052.61	2,366.96	2,150.59	216.37	10.940		
6,000.00	5,833.64	14,905.79	7,140.96	18.73	233.81	131.29	-1,217.01	1,075.18	2,326.56	2,104.71	221.85	10.487		
6,100.00	5,930.48	14,916.79	7,141.44	19.09	234.13	130.70	-1,217.07	1,097.76	2,289.60	2,062.94	226.66	10.101		
6,200.00	6,027.31	14,939.38	7,141.92	19.46	234.80	130.11	-1,217.13	1,120.34	2,256.24	2,024.61	231.63	9.741		
6,300.00	6,124.15	14,961.96	7,142.40	19.82	235.46	129.53	-1,217.19	1,142.92	2,226.64	1,990.22	236.42	9.418		
6,400.00	6,220.99	14,984.55	7,142.88	20.19	236.13	128.94	-1,217.25	1,165.50	2,200.96	1,959.98	240.98	9.133		
6,500.00	6,317.82	15,007.13	7,143.36	20.55	236.79	128.35	-1,217.31	1,188.08	2,179.34	1,934.07	245.27	8.886		
6,600.00	6,414.66	15,029.71	7,143.84	20.92	237.46	127.76	-1,217.37	1,210.66	2,161.90	1,912.66	249.24	8.674		
6,700.00	6,511.50	15,052.30	7,144.32	21.29	238.12	127.17	-1,217.43	1,233.24	2,148.73	1,895.89	252.84	8.498		
6,800.00	6,608.33	15,074.88	7,144.80	21.66	238.78	126.58	-1,217.49	1,255.82	2,139.92	1,883.87	256.05	8.357		
6,900.00	6,705.11	15,102.24	7,145.29	22.03	239.59	122.27	-1,217.55	1,278.69	2,135.52	1,876.56	258.97	8.246		
6,957.71	6,759.94	15,115.02	7,145.66	22.29	239.97	114.06	-1,217.59	1,295.95	2,134.88	1,874.50	260.38	8.199		
7,000.00	6,799.10	15,130.80	7,145.99	22.47	240.43	109.88	-1,217.63	1,311.72	2,135.21	1,873.70	261.50	8.165		
7,100.00	6,887.20	15,178.18	7,147.00	23.02	241.82	102.98	-1,217.76	1,359.09	2,138.24	1,874.01	264.23	8.092		
7,200.00	6,967.23	15,238.72	7,148.29	23.68	243.61	98.12	-1,217.92	1,419.62	2,143.63	1,876.57	267.05	8.027		
7,300.00	7,037.23	15,310.94	7,149.83	24.45	245.73	94.32	-1,218.11	1,491.82	2,150.18	1,880.15	270.03	7.963		
7,400.00	7,095.47	15,406.94	7,151.58	25.31	248.56	91.29	-1,218.33	1,573.93	2,156.65	1,883.04	273.61	7.882		
7,500.00	7,140.51	15,483.07	7,153.49	26.27	250.80	89.03	-1,218.57	1,663.91	2,161.88	1,885.27	276.61	7.816		
7,600.00	7,171.26	15,578.73	7,155.53	27.31	253.62	87.57	-1,218.82	1,759.55	2,164.91	1,884.63	280.28	7.724		
7,700.00	7,186.94	15,677.70	7,157.64	28.40	256.54	86.98	-1,219.09	1,858.49	2,165.09	1,880.90	284.19	7.618		
7,800.00	7,188.83	15,777.62	7,159.77	29.51	259.48	87.06	-1,219.35	1,958.40	2,162.46	1,874.19	288.26	7.502		
7,900.00	7,188.47	15,877.55	7,161.89	30.67	262.42	87.12	-1,219.62	2,058.30	2,159.37	1,866.96	292.40	7.385		
8,000.00	7,188.11	15,977.47	7,164.02	31.88	265.37	87.18	-1,219.88	2,158.20	2,156.28	1,859.69	296.59	7.270		
8,100.00	7,187.76	16,077.40	7,166.15	33.12	268.31	87.25	-1,220.15	2,258.10	2,153.19	1,852.38	300.81	7.158		
8,200.00	7,187.40	16,177.32	7,168.28	34.40	271.26	87.31	-1,220.41	2,358.01	2,150.11	1,845.03	305.08	7.048		
8,300.00	7,187.04	16,277.25	7,170.40	35.71	274.21	87.37	-1,220.68	2,457.91	2,147.03	1,837.66	309.37	6.940		
8,400.00	7,186.68	16,377.17	7,172.53	37.05	277.15	87.43	-1,220.94	2,557.81	2,143.95	1,830.26	313.69	6.835		
8,500.00	7,186.32	16,477.10	7,174.66	38.42	280.10	87.50	-1,221.21	2,657.71	2,140.88	1,822.83	318.04	6.731		
8,600.00	7,185.96	16,577.02	7,176.79	39.81	283.04	87.56	-1,221.47	2,757.61	2,137.80	1,815.39	322.42	6.631		
8,700.00	7,185.60	16,676.95	7,178.91	41.22	285.99	87.62	-1,221.74	2,857.52	2,134.73	1,807.92	326.81	6.532		
8,800.00	7,185.24	16,776.87	7,181.04	42.65	288.94	87.69	-1,222.00	2,957.42	2,131.67	1,800.44	331.22	6.436		
8,900.00	7,184.89	16,876.80	7,183.17	44.10	291.89	87.75	-1,222.27	3,057.32	2,128.60	1,792.95	335.65	6.342		
9,000.00	7,184.53	16,976.72	7,185.30	45.56	294.83	87.82	-1,222.53	3,157.22	2,125.54	1,785.44	340.09	6.250		
9,100.00	7,184.17	17,076.65	7,187.42	47.04	297.78	87.88	-1,222.80	3,257.12	2,122.48	1,777.93	344.55	6.160		
9,200.00	7,183.81	17,176.57	7,189.55	48.52	300.73	87.94	-1,223.06	3,357.03	2,119.42	1,770.40	349.02	6.072		
9,300.00	7,183.45	17,276.50	7,191.68	50.03	303.68	88.01	-1,223.33	3,456.93	2,116.37	1,762.87	353.50	5.987		
9,400.00	7,183.09	17,376.42	7,193.81	51.54	306.63	88.07	-1,223.59	3,556.83	2,113.32	1,755.32	357.99	5.903		
9,500.00	7,182.73	17,476.35	7,195.93	53.06	309.58	88.14	-1,223.86	3,656.73	2,110.27	1,747.77	362.50	5.822		
9,596.59	7,182.38	17,572.89	7,197.99	54.53	312.43	88.20	-1,224.11	3,753.25	2,108.81	1,741.96	366.85	5.748		
9,600.00	7,182.37	17,576.30	7,198.06	54.59	312.53	88.20	-1,224.12	3,756.66	2,108.67	1,741.67	367.00	5.746 CC, ES		
9,700.00	7,182.01	17,573.34	7,198.00	56.12	312.44	88.19	-1,224.11	3,753.70	2,111.94	1,744.19	367.75	5.743 SF		
9,800.00	7,181.65	17,573.34	7,198.00	57.67	312.44	88.19	-1,224.11	3,753.70	2,119.99	1,752.17	367.82	5.764		
9,900.00	7,181.30	17,573.34	7,198.00	59.23	312.44	88.19	-1,224.11	3,753.70	2,132.71	1,765.60	367.11	5.809		
10,000.00	7,180.94	17,573.34	7,198.00	60.79	312.44	88.19	-1,224.11	3,753.70	2,150.00	1,784.35	365.65	5.880		
10,100.00	7,180.58	17,573.34	7,198.00	62.36	312.44	88.19	-1,224.11	3,753.70	2,171.77	1,808.28	363.49	5.975		
10,200.00	7,180.22	17,573.34	7,198.00	63.94	312.44	88.19	-1,224.11	3,753.70	2,197.88	1,837.19	360.69	6.094		
10,300.00	7,179.86	17,573.34	7,198.00	65.52	312.44	88.19	-1,224.11	3,753.70	2,228.17	1,870.86	357.30	6.236		
10,400.00	7,179.50	17,573.34	7,198.00	67.10	312.44	88.19	-1,224.11	3,753.70	2,262.48	1,909.08	353.40	6.402		
10,500.00	7,179.14	17,573.34	7,198.00	68.69	312.44	88.19	-1,224.11	3,753.70	2,300.63	1,951.57	349.05	6.591		
10,600.00	7,178.78	17,573.34	7,198.00	70.28	312.44	88.19	-1,224.11	3,753.70	2,342.42	1,998.09	344.33	6.803		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design	5N-66W-07 BOST FARM 5-7 PAD - BOST FARM 26N-8B-L - Wellbore #1 - Design #1											Offset Site Error:	0.00 usft
Survey Program:	0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1750-SRC Energy_ISCWSA REV 2 MWD+IFR1											Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,700.00	7,178.42	17,573.34	7,198.00	71.87	312.44	88.19	-1,224.11	3,753.70	2,387.68	2,048.38	339.30	7.037	
10,800.00	7,178.06	17,573.34	7,198.00	73.47	312.44	88.19	-1,224.11	3,753.70	2,436.21	2,102.18	334.03	7.293	
10,900.00	7,177.70	17,573.34	7,198.00	75.08	312.44	88.19	-1,224.11	3,753.70	2,487.80	2,159.24	328.57	7.572	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-08 Offsets Need HZ - TC MOISER HILL 2-9-11 - XOG PR Well - Actual Total Surveys													Offset Site Error:	0.00 usft
Survey Program: 25-SRC Energy_ISCWSA REV 2 MWD													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.00	7,184.89	7,455.52	6,867.22	44.10	60.78	81.68	-1,235.38	4,237.88	2,462.03	2,367.41	94.62	26.019		
9,000.00	7,184.53	7,480.20	6,883.01	45.56	61.14	82.08	-1,228.27	4,255.47	2,412.60	2,316.64	95.96	25.143		
9,100.00	7,184.17	7,518.00	6,905.59	47.04	61.69	82.65	-1,217.45	4,283.78	2,365.65	2,268.01	97.64	24.229		
9,200.00	7,183.81	7,546.17	6,921.31	48.52	62.14	83.04	-1,209.40	4,305.72	2,320.92	2,221.81	99.11	23.418		
9,300.00	7,183.45	7,594.63	6,946.67	50.03	62.92	83.69	-1,195.42	4,344.56	2,278.22	2,177.03	101.19	22.515		
9,400.00	7,183.09	7,612.00	6,955.24	51.54	63.20	83.92	-1,190.38	4,358.81	2,237.78	2,135.49	102.29	21.877		
9,500.00	7,182.73	7,657.52	6,976.86	53.06	63.95	84.48	-1,177.91	4,396.87	2,199.64	2,095.34	104.30	21.090		
9,600.00	7,182.37	7,707.00	6,999.34	54.59	64.78	85.13	-1,166.11	4,439.33	2,166.24	2,059.82	106.42	20.355		
9,700.00	7,182.01	7,707.00	6,999.34	56.12	64.78	85.14	-1,166.11	4,439.33	2,137.55	2,030.74	106.80	20.014		
9,800.00	7,181.65	7,707.00	6,999.34	57.67	64.78	85.14	-1,166.11	4,439.33	2,113.27	2,006.21	107.06	19.739		
9,900.00	7,181.30	7,745.15	7,014.50	59.23	65.39	85.55	-1,158.87	4,473.56	2,091.66	1,982.98	108.68	19.246		
10,000.00	7,180.94	7,763.07	7,020.38	60.79	65.68	85.71	-1,156.29	4,490.28	2,074.45	1,965.02	109.43	18.957		
10,100.00	7,180.58	7,801.00	7,030.10	62.36	66.30	85.98	-1,152.61	4,526.74	2,061.57	1,950.68	110.89	18.592		
10,200.00	7,180.22	7,801.00	7,030.10	63.94	66.30	85.98	-1,152.61	4,526.74	2,051.68	1,941.00	110.68	18.537		
10,300.00	7,179.86	7,852.69	7,039.74	65.52	67.09	86.25	-1,149.75	4,577.44	2,045.40	1,932.73	112.67	18.154		
10,400.00	7,179.50	7,905.05	7,047.42	67.10	67.93	86.46	-1,147.90	4,629.20	2,041.49	1,926.85	114.64	17.808		
10,500.00	7,179.14	7,958.01	7,053.03	68.69	68.81	86.63	-1,147.09	4,681.84	2,039.92	1,923.34	116.58	17.498		
10,517.96	7,179.08	7,967.55	7,053.81	68.97	68.97	86.65	-1,147.05	4,691.36	2,039.88	1,922.95	116.93	17.445 CC		
10,600.00	7,178.78	8,033.74	7,058.12	70.28	70.07	86.78	-1,147.33	4,757.40	2,040.38	1,920.74	119.64	17.054		
10,700.00	7,178.42	8,130.60	7,063.63	71.87	71.76	86.94	-1,147.85	4,854.11	2,041.22	1,917.44	123.79	16.490		
10,800.00	7,178.06	8,217.89	7,067.77	73.47	73.37	87.07	-1,148.54	4,941.30	2,042.40	1,914.88	127.52	16.017		
10,900.00	7,177.70	8,305.71	7,071.30	75.08	75.06	87.18	-1,149.93	5,029.04	2,044.38	1,913.05	131.33	15.567		
11,000.00	7,177.34	8,402.98	7,074.27	76.68	77.02	87.28	-1,151.62	5,126.24	2,046.60	1,910.92	135.67	15.085		
11,100.00	7,176.99	8,500.19	7,076.15	78.29	79.07	87.34	-1,153.45	5,223.42	2,049.01	1,908.94	140.07	14.628		
11,200.00	7,176.63	8,592.32	7,077.73	79.90	81.09	87.40	-1,155.28	5,315.52	2,051.54	1,907.31	144.24	14.223		
11,300.00	7,176.27	8,677.16	7,078.98	81.51	83.00	87.44	-1,157.54	5,400.31	2,054.76	1,906.72	148.04	13.880		
11,400.00	7,175.91	8,768.52	7,080.35	83.13	85.12	87.50	-1,160.57	5,491.61	2,058.61	1,906.38	152.23	13.523		
11,500.00	7,175.55	8,864.70	7,081.43	84.74	87.42	87.54	-1,163.83	5,587.74	2,062.58	1,905.85	156.72	13.161		
11,600.00	7,175.19	8,948.75	7,081.67	86.36	89.48	87.56	-1,167.15	5,671.71	2,067.14	1,906.59	160.55	12.876		
11,700.00	7,174.83	9,035.76	7,081.67	87.98	91.65	87.57	-1,171.18	5,758.63	2,072.39	1,907.83	164.55	12.594		
11,800.00	7,174.47	9,129.27	7,081.47	89.61	94.03	87.58	-1,176.02	5,852.02	2,078.19	1,909.23	168.96	12.300		
11,900.00	7,174.11	9,316.93	7,080.82	91.23	99.01	87.59	-1,182.18	6,039.56	2,082.25	1,903.50	178.74	11.649		
12,000.00	7,173.75	9,405.44	7,080.59	92.86	101.45	87.60	-1,183.43	6,128.06	2,084.28	1,901.34	182.93	11.394		
12,100.00	7,173.39	9,486.02	7,080.14	94.49	103.70	87.60	-1,185.06	6,208.62	2,086.94	1,900.25	186.69	11.179		
12,200.00	7,173.03	9,576.26	7,078.93	96.12	106.24	87.58	-1,187.51	6,298.82	2,090.33	1,899.34	190.99	10.945		
12,300.00	7,172.68	9,661.66	7,077.34	97.75	108.67	87.54	-1,190.24	6,384.16	2,094.24	1,899.22	195.02	10.739		
12,400.00	7,172.32	9,753.89	7,075.69	99.38	111.32	87.51	-1,193.78	6,476.31	2,098.76	1,899.31	199.45	10.523		
12,500.00	7,171.96	9,888.45	7,073.11	101.01	115.24	87.46	-1,198.33	6,610.76	2,102.94	1,896.60	206.34	10.192		
12,600.00	7,171.60	10,071.68	7,069.60	102.65	120.73	87.39	-1,198.29	6,793.95	2,103.34	1,887.49	215.85	9.745		
12,700.00	7,171.24	10,164.45	7,068.88	104.28	123.56	87.37	-1,197.00	6,886.71	2,102.61	1,882.23	220.37	9.541		
12,800.00	7,170.88	10,260.53	7,068.96	105.92	126.51	87.39	-1,195.90	6,982.78	2,102.09	1,876.98	225.10	9.338		
12,861.61	7,170.66	10,313.19	7,068.93	106.93	128.14	87.39	-1,195.47	7,035.44	2,101.96	1,874.30	227.66	9.233		
12,900.00	7,170.52	10,346.34	7,068.88	107.56	129.16	87.39	-1,195.30	7,068.59	2,102.01	1,872.74	229.28	9.168		
13,000.00	7,170.16	10,433.10	7,068.86	109.20	131.85	87.40	-1,195.25	7,155.35	2,102.58	1,869.08	233.50	9.005		
13,100.00	7,169.80	10,527.83	7,068.82	110.84	134.80	87.41	-1,195.64	7,250.08	2,103.60	1,865.43	238.17	8.832		
13,200.00	7,169.44	10,606.07	7,068.55	112.48	137.24	87.41	-1,196.39	7,328.31	2,105.21	1,863.30	241.91	8.703		
13,300.00	7,169.08	10,683.84	7,068.28	114.12	139.67	87.41	-1,197.99	7,406.06	2,107.91	1,862.31	245.60	8.583		
13,400.00	7,168.72	10,767.37	7,067.99	115.77	142.28	87.42	-1,200.54	7,489.55	2,111.58	1,861.96	249.61	8.459		
13,500.00	7,168.37	10,883.87	7,067.66	117.41	145.94	87.43	-1,204.38	7,605.99	2,115.56	1,859.97	255.58	8.277		
13,600.00	7,168.01	11,119.08	7,067.42	119.05	153.45	87.44	-1,202.87	7,841.14	2,115.51	1,847.51	268.00	7.894		
13,700.00	7,167.65	11,198.00	7,067.23	120.70	156.00	87.44	-1,200.26	7,920.02	2,112.83	1,840.94	271.89	7.771		
13,800.00	7,167.29	11,270.05	7,067.20	122.35	158.32	87.45	-1,198.72	7,992.05	2,111.31	1,835.91	275.41	7.666		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 5N-66W-08 Offsets Need HZ - TC MOISER HILL 2-9-11 - XOG PR Well - Actual Total Surveys													Offset Site Error:	0.00 usft
Survey Program: 25-SRC Energy_ISCWSA REV 2 MWD													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.00	7,166.93	11,356.07	7,067.27	123.99	161.11	87.46	-1,197.83	8,078.07	2,110.89	1,831.23	279.65	7.548		
13,956.15	7,166.73	11,408.01	7,067.19	124.92	162.79	87.46	-1,197.45	8,130.01	2,110.83	1,828.59	282.24	7.479		
14,000.00	7,166.57	11,448.61	7,067.09	125.64	164.11	87.46	-1,197.23	8,170.61	2,110.86	1,826.61	284.26	7.426		
14,100.00	7,166.21	11,537.46	7,066.84	127.29	166.99	87.46	-1,197.00	8,259.46	2,111.25	1,822.60	288.65	7.314		
14,200.00	7,165.85	11,641.82	7,066.78	128.94	170.38	87.47	-1,197.14	8,363.81	2,112.01	1,818.10	293.91	7.186		
14,300.00	7,165.49	11,769.72	7,066.74	130.59	174.55	87.48	-1,196.16	8,491.71	2,111.88	1,811.42	300.47	7.029		
14,400.00	7,165.13	11,876.41	7,066.60	132.24	178.04	87.49	-1,194.14	8,598.38	2,110.60	1,804.76	305.84	6.901		
14,464.32	7,164.90	11,916.20	7,066.51	133.30	179.35	87.49	-1,193.66	8,638.16	2,110.23	1,802.49	307.74	6.857		
14,500.00	7,164.77	11,938.27	7,066.49	133.89	180.07	87.49	-1,193.59	8,660.24	2,110.35	1,801.57	308.77	6.835		
14,600.00	7,164.41	11,994.31	7,066.46	135.54	181.90	87.50	-1,194.15	8,716.27	2,111.99	1,800.72	311.27	6.785		
14,700.00	7,164.06	12,050.00	7,066.32	137.19	183.72	87.50	-1,195.94	8,771.93	2,115.81	1,802.19	313.62	6.746		
14,800.00	7,163.70	12,119.46	7,066.12	138.84	185.98	87.51	-1,199.41	8,841.30	2,121.40	1,804.66	316.74	6.698		
14,900.00	7,163.34	12,206.68	7,065.89	140.49	188.81	87.52	-1,204.70	8,928.37	2,128.08	1,807.11	320.97	6.630		
15,000.00	7,162.98	12,348.21	7,065.39	142.15	193.43	87.53	-1,212.46	9,069.68	2,134.30	1,805.64	328.66	6.494		
15,100.00	7,162.62	12,501.69	7,065.22	143.80	198.47	87.54	-1,217.25	9,223.08	2,138.11	1,801.17	336.93	6.346		
15,200.00	7,162.26	12,636.47	7,065.21	145.45	202.93	87.56	-1,218.43	9,357.86	2,139.58	1,795.62	343.97	6.220		
15,300.00	7,161.90	12,718.84	7,065.07	147.11	205.66	87.56	-1,219.02	9,440.22	2,140.89	1,792.87	348.02	6.152		
15,400.00	7,161.54	12,796.95	7,064.87	148.76	208.25	87.57	-1,220.16	9,518.33	2,142.98	1,791.18	351.81	6.091		
15,500.00	7,161.18	12,882.36	7,064.57	150.42	211.08	87.57	-1,222.14	9,603.70	2,145.94	1,789.94	356.00	6.028		
15,600.00	7,160.82	12,976.38	7,064.24	152.07	214.20	87.58	-1,224.80	9,697.70	2,149.40	1,788.69	360.70	5.959		
15,700.00	7,160.46	13,056.44	7,063.96	153.73	216.86	87.58	-1,227.43	9,777.70	2,153.33	1,788.79	364.55	5.907		
15,800.00	7,160.10	13,176.24	7,063.61	155.38	220.84	87.59	-1,231.94	9,897.42	2,157.81	1,786.99	370.82	5.819		
15,900.00	7,159.75	13,313.83	7,063.38	157.04	225.42	87.60	-1,234.72	10,034.98	2,160.44	1,782.35	378.09	5.714		
16,000.00	7,159.39	13,476.44	7,063.16	158.70	230.85	87.61	-1,234.62	10,197.58	2,161.14	1,774.57	386.57	5.591		
16,100.00	7,159.03	13,593.16	7,062.76	160.35	234.77	87.61	-1,231.79	10,314.27	2,159.30	1,766.82	392.48	5.502		
16,200.00	7,158.67	13,667.43	7,062.59	162.01	237.26	87.61	-1,230.39	10,388.53	2,158.04	1,761.84	396.20	5.447		
16,266.07	7,158.43	13,719.09	7,062.46	163.11	239.00	87.61	-1,229.89	10,440.18	2,157.82	1,759.05	398.77	5.411		
16,300.00	7,158.31	13,745.62	7,062.38	163.67	239.89	87.61	-1,229.76	10,466.71	2,157.88	1,757.79	400.09	5.394		
16,400.00	7,157.95	13,828.49	7,062.14	165.33	242.67	87.61	-1,229.86	10,549.58	2,158.63	1,754.43	404.20	5.340		
16,500.00	7,157.59	13,916.19	7,061.90	166.99	245.62	87.62	-1,230.57	10,637.27	2,160.08	1,751.51	408.57	5.287		
16,600.00	7,157.23	14,016.17	7,061.49	168.64	248.97	87.62	-1,231.71	10,737.25	2,161.86	1,748.22	413.64	5.226		
16,700.00	7,156.87	14,202.89	7,060.95	170.30	255.25	87.62	-1,230.36	10,923.94	2,161.95	1,738.61	423.34	5.107		
16,800.00	7,156.51	14,322.55	7,060.53	171.96	259.29	87.62	-1,226.06	11,043.53	2,158.96	1,729.61	429.35	5.028		
16,900.00	7,156.15	14,402.75	7,060.25	173.62	262.00	87.61	-1,223.34	11,123.69	2,156.21	1,722.77	433.44	4.975		
17,000.00	7,155.79	14,474.09	7,060.00	175.28	264.40	87.61	-1,221.69	11,195.00	2,154.54	1,717.50	437.04	4.930		
17,100.00	7,155.44	14,558.47	7,059.71	176.94	267.25	87.61	-1,220.81	11,279.37	2,154.11	1,712.83	441.28	4.881		
17,170.24	7,155.18	14,623.40	7,059.49	178.11	269.44	87.61	-1,220.26	11,344.31	2,153.97	1,709.41	444.55	4.845		
17,200.00	7,155.08	14,646.77	7,059.44	178.60	270.23	87.61	-1,220.15	11,367.67	2,154.01	1,708.30	445.71	4.833		
17,300.00	7,154.72	14,726.87	7,059.38	180.26	272.94	87.62	-1,220.28	11,447.77	2,154.79	1,705.12	449.68	4.792		
17,400.00	7,154.36	14,826.96	7,059.24	181.92	276.31	87.63	-1,221.18	11,547.86	2,156.32	1,701.56	454.76	4.742		
17,500.00	7,154.00	15,008.04	7,059.00	183.58	282.43	87.64	-1,218.96	11,728.92	2,155.79	1,691.67	464.12	4.645		
17,600.00	7,153.64	15,139.81	7,057.26	185.24	286.89	87.60	-1,213.27	11,860.55	2,152.03	1,681.37	470.66	4.572		
17,700.00	7,153.28	15,252.27	7,055.12	186.90	290.69	87.55	-1,207.72	11,972.85	2,147.82	1,671.57	476.25	4.510		
17,800.00	7,152.92	15,326.49	7,053.73	188.56	293.21	87.51	-1,204.10	12,046.96	2,143.68	1,663.57	480.11	4.465		
17,900.00	7,152.56	17,900.00	7,051.81	190.23	380.49	87.47	-1,199.11	12,160.02	2,139.98	1,570.59	569.39	3.758 ES, SF		
18,000.00	7,152.20	15,550.00	7,049.81	191.89	300.78	87.42	-1,192.83	12,270.15	2,134.92	1,643.67	491.26	4.346		
18,100.00	7,151.84	15,597.07	7,048.87	193.55	302.37	87.40	-1,190.87	12,317.17	2,131.57	1,637.77	493.80	4.317		
18,156.36	7,151.64	15,621.71	7,048.40	194.48	303.21	87.39	-1,190.38	12,341.80	2,130.84	1,635.84	495.00	4.305		





# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 11N-3C-L
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4819.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 11N-3C-L	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> 5N-66W-08 Offsets Need HZ - TC MOISER HILL 3-9-11 - Extraction PR Well (Plan Only) - Planned Extr												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_ISCWSA REV 2 MWD												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,700.00	7,164.06	12,052.86	7,092.13	137.19	185.51	88.68	-1,516.92	8,850.39	2,433.61	2,114.99	318.62	7.638	
14,800.00	7,163.70	12,152.86	7,092.13	138.84	188.81	88.69	-1,517.35	8,950.38	2,434.66	2,111.00	323.66	7.522	
14,900.00	7,163.34	12,252.85	7,092.13	140.49	192.11	88.70	-1,517.77	9,050.37	2,435.71	2,107.02	328.70	7.410	
15,000.00	7,162.98	12,352.84	7,092.13	142.15	195.42	88.71	-1,518.20	9,150.37	2,436.77	2,103.03	333.74	7.301	
15,100.00	7,162.62	12,452.84	7,092.13	143.80	198.73	88.72	-1,518.62	9,250.36	2,437.82	2,099.03	338.79	7.196	
15,200.00	7,162.26	12,552.83	7,092.13	145.45	202.05	88.73	-1,519.04	9,350.35	2,438.88	2,095.04	343.84	7.093	
15,300.00	7,161.90	12,652.82	7,092.13	147.11	205.37	88.74	-1,519.47	9,450.35	2,439.93	2,091.04	348.89	6.993	
15,400.00	7,161.54	12,752.82	7,092.13	148.76	208.70	88.74	-1,519.89	9,550.34	2,440.99	2,087.05	353.94	6.897	
15,500.00	7,161.18	12,852.81	7,092.13	150.42	212.03	88.75	-1,520.32	9,650.33	2,442.04	2,083.05	359.00	6.802	
15,600.00	7,160.82	12,952.81	7,092.13	152.07	215.37	88.76	-1,520.74	9,750.32	2,443.10	2,079.05	364.05	6.711	
15,700.00	7,160.46	13,052.80	7,092.13	153.73	218.70	88.77	-1,521.16	9,850.32	2,444.15	2,075.04	369.11	6.622	
15,800.00	7,160.10	13,152.79	7,092.13	155.38	222.05	88.78	-1,521.59	9,950.31	2,445.21	2,071.04	374.17	6.535	
15,900.00	7,159.75	13,252.79	7,092.13	157.04	225.39	88.79	-1,522.01	10,050.30	2,446.26	2,067.03	379.23	6.451	
16,000.00	7,159.39	13,352.78	7,092.13	158.70	228.74	88.80	-1,522.44	10,150.30	2,447.32	2,063.02	384.29	6.368	
16,100.00	7,159.03	13,452.77	7,092.13	160.35	232.09	88.81	-1,522.86	10,250.29	2,448.37	2,059.01	389.36	6.288	
16,200.00	7,158.67	13,552.77	7,092.13	162.01	235.44	88.82	-1,523.29	10,350.28	2,449.43	2,055.00	394.42	6.210	
16,300.00	7,158.31	13,652.76	7,092.13	163.67	238.80	88.82	-1,523.71	10,450.27	2,450.48	2,050.99	399.49	6.134	
16,400.00	7,157.95	13,752.76	7,092.13	165.33	242.16	88.83	-1,524.13	10,550.27	2,451.54	2,046.98	404.56	6.060	
16,500.00	7,157.59	13,852.75	7,092.13	166.99	245.52	88.84	-1,524.56	10,650.26	2,452.59	2,042.96	409.63	5.987	
16,600.00	7,157.23	13,952.74	7,092.13	168.64	248.89	88.85	-1,524.98	10,750.25	2,453.65	2,038.95	414.70	5.917	
16,700.00	7,156.87	14,052.74	7,092.13	170.30	252.25	88.86	-1,525.41	10,850.25	2,454.70	2,034.93	419.77	5.848	
16,800.00	7,156.51	14,152.73	7,092.13	171.96	255.62	88.87	-1,525.83	10,950.24	2,455.76	2,030.91	424.85	5.780	
16,900.00	7,156.15	14,252.72	7,092.13	173.62	258.99	88.88	-1,526.25	11,050.23	2,456.82	2,026.89	429.92	5.715	
17,000.00	7,155.79	14,352.72	7,092.13	175.28	262.36	88.89	-1,526.68	11,150.22	2,457.87	2,022.87	435.00	5.650	
17,100.00	7,155.44	14,452.71	7,092.13	176.94	265.74	88.90	-1,527.10	11,250.22	2,458.93	2,018.85	440.07	5.588	
17,200.00	7,155.08	14,552.71	7,092.13	178.60	269.11	88.90	-1,527.53	11,350.21	2,459.98	2,014.83	445.15	5.526	
17,300.00	7,154.72	14,652.70	7,092.13	180.26	272.49	88.91	-1,527.95	11,450.20	2,461.04	2,010.81	450.23	5.466	
17,400.00	7,154.36	14,752.69	7,092.13	181.92	275.87	88.92	-1,528.37	11,550.19	2,462.09	2,006.79	455.31	5.408	
17,500.00	7,154.00	14,852.69	7,092.13	183.58	279.25	88.93	-1,528.80	11,650.19	2,463.15	2,002.76	460.39	5.350	
17,600.00	7,153.64	14,952.68	7,092.13	185.24	282.63	88.94	-1,529.22	11,750.18	2,464.21	1,998.74	465.47	5.294	
17,700.00	7,153.28	15,052.67	7,092.13	186.90	286.02	88.95	-1,529.65	11,850.17	2,465.26	1,994.71	470.55	5.239	
17,800.00	7,152.92	15,152.67	7,092.13	188.56	289.40	88.96	-1,530.07	11,950.17	2,466.32	1,990.69	475.63	5.185	
17,900.00	7,152.56	15,252.66	7,092.13	190.23	292.79	88.97	-1,530.49	12,050.16	2,467.37	1,986.66	480.71	5.133	
18,000.00	7,152.20	15,352.66	7,092.13	191.89	296.18	88.97	-1,530.92	12,150.15	2,468.43	1,982.63	485.80	5.081	
18,100.00	7,151.84	15,452.65	7,092.13	193.55	299.57	88.98	-1,531.34	12,250.14	2,469.49	1,978.61	490.88	5.031	
18,156.36	7,151.64	15,509.01	7,092.13	194.48	301.48	88.99	-1,531.58	12,306.50	2,470.08	1,976.33	493.75	5.003 ES, SF	

# Hewlett-Packard

## Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 4' @ 4819.00usft (IKON 12)

Offset Depths are relative to Offset Datum

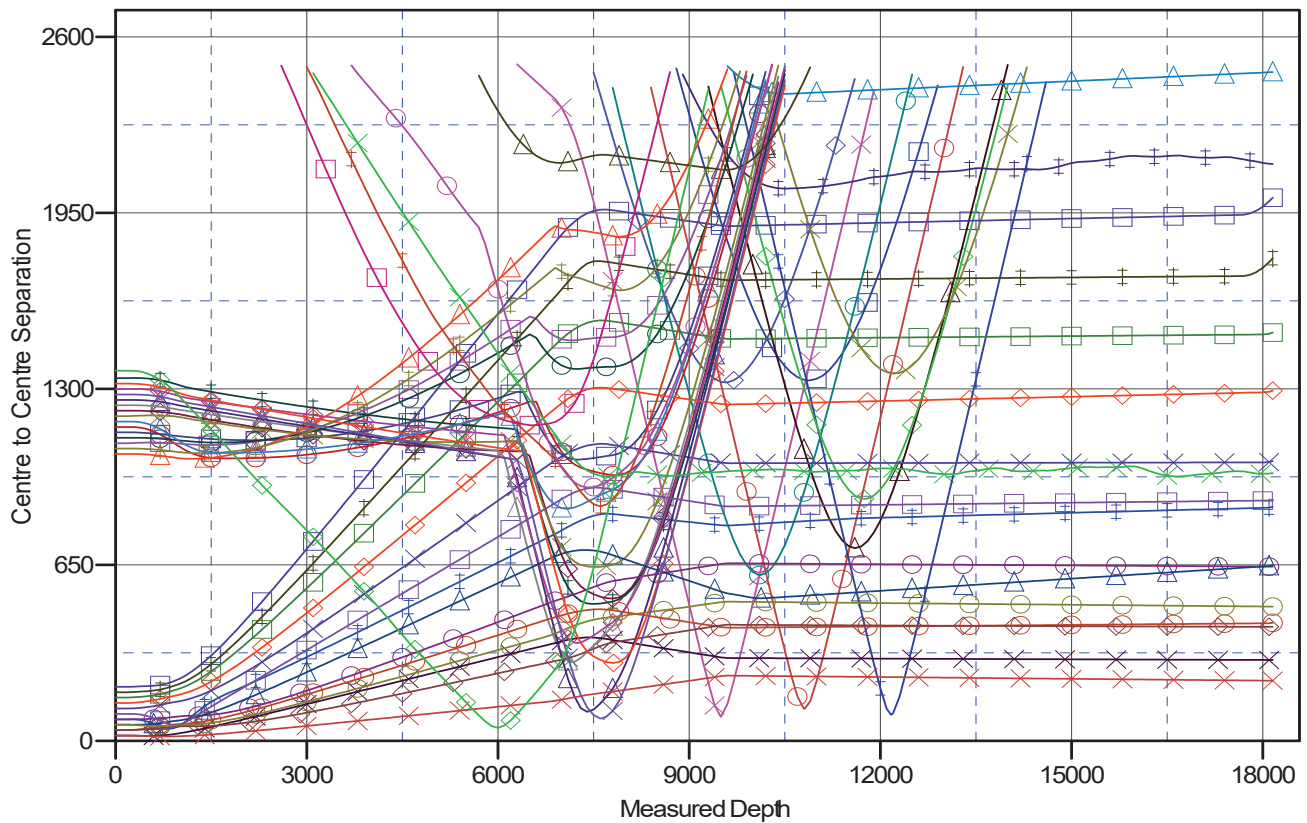
Central Meridian is -105.500000

Coordinates are relative to: VOLT 11N-3C-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

### Ladder Plot



### LEGEND

DUKE-J4-12, SRQPRWell, Actual VES Surveys (Grid to True) V0	VOLT-22N8AL, Wellbore#1, Design#1 V0	VOLT-34N6AM, Wellbore#1, Design#1 V0
Duke USX05-16, SRQPRWell, Actual VES Surveys (Grid to True) V0	VOLT-12N6AM, Wellbore#1, Design#1 V0	VOLT-34G6-L, Wellbore#1, Design#1 V0
DUKE-J4-13, SRQPRWell, Actual VES Surveys (Grid to True) V0	VOLT-11G3-L, Wellbore#1, Design#1 V0	VOLT-14G3-L, Wellbore#1, Design#1 V0
DUKE-J4-25, SRQPRWell, Actual VES Surveys (Grid to True) V0	VOLT-13N6AM, Wellbore#1, Design#1 V0	VOLT-25N6AL, Wellbore#1, Design#1 V0
DUKE-J4-11, SRQPRWell, Actual VES Surveys (Grid to True) V0	VOLT-32N6AM, Wellbore#1, Design#1 V0	VOLT-25G3-L, Wellbore#1, Design#1 V0
DUKE-J4-33, SRQPRWell, Actual VES Surveys (Grid to True) V0	VOLT-25N6GL, Wellbore#1, Design#1 V0	VOLT-32G3-L, Wellbore#1, Design#1 V0
SRQPRWell, Actual VES Surveys (Grid to True) V0	VOLT-34N6AM, Wellbore#1, Design#1 V0	VOLT-12N6AM, Wellbore#1, Design#1 V0
DUKE-J4-14, SRQPRWell, Actual VES Surveys (Grid to True) V0	VOLT-14N6GL, Wellbore#1, Design#1 V0	VOLT-33N6AM, Wellbore#1, Design#1 V0
TCMOISERHILL 2-9-11, XOGPRWell, Actual Total Surveys V0	VOLT-33N6AM, Wellbore#1, Design#1 V0	BOSTFARM26N6B-L, Wellbore#1, Design#1 V0
TCMOISERHILL 3-9-11, Extradon PRWell (Plan Only), Planned Extradon Surveys V0	VOLT-23N6BL, Wellbore#1, Design#1 V0	WEEDMAN25-5, Noble Energy PRWell, Actual CoreDred Surveys (Grid to True) V0
VOLT-36N6BL, Wellbore#1, Design#1 V0	VOLT-32N6AM, Wellbore#1, Design#1 V0	BOOMERANG28C3-L, SRQPRWell, Actual BH Surveys V0
VOLT-33G3-L, Wellbore#1, Design#1 V0	VOLT-23N6GL, Wellbore#1, Design#1 V0	WEEDMAN22-5, Noble Energy PRWell, Actual CoreDred Surveys (Grid to True) V0
VOLT-13G3-L, Wellbore#1, Design#1 V0	VOLT-36G3-L, Wellbore#1, Design#1 V0	BOOMERANG34N-6C-M, SRQPRWell, Actual BH Surveys V0
VOLT-14N6BL, Wellbore#1, Design#1 V0	VOLT-36N6AL, Wellbore#1, Design#1 V0	PSCJ54-1, Noble Energy SRWell, Actual VES Surveys (Grid to True) V0
VOLT-12N6AM, Wellbore#1, Design#1 V0	VOLT-11N6BL, Wellbore#1, Design#1 V0	
	VOLT-13N6AM, Wellbore#1, Design#1 V0	

# Hewlett-Packard

## Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 11N-3C-L
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4819.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 11N-3C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 usft	Output errors are at	2.45 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to RKB = 4' @ 4819.00usft (IKON 12)

Offset Depths are relative to Offset Datum

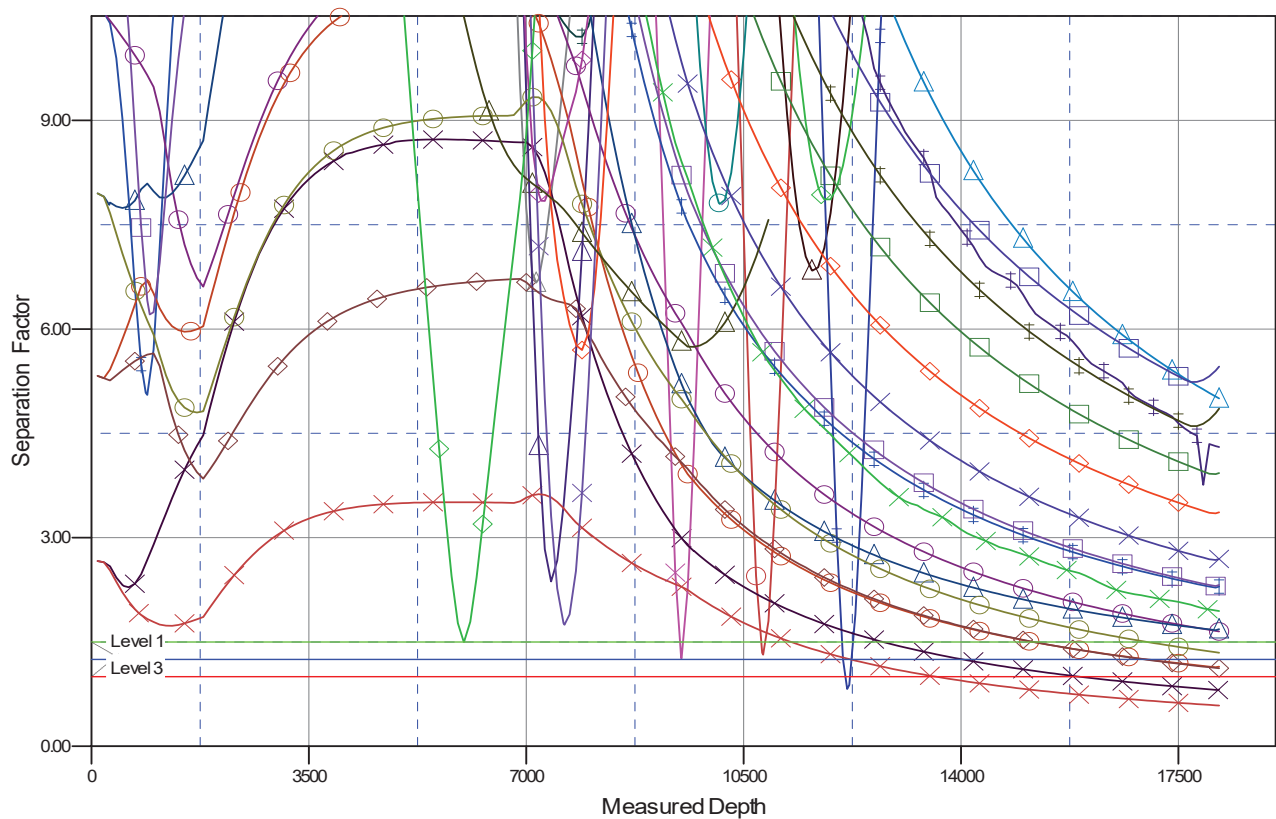
Central Meridian is -105.500000

Coordinates are relative to: VOLT 11N-3C-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

## Separation Factor Plot



### LEGEND

DUKE J4-12, SRQPRWell, Actual Survey (Grid to True) V0	VOLT 12N6B4L, Wellbore #1, Design #1 V0	VOLT 34N6C4M, Wellbore #1, Design #1 V0
DUKE USX05-16, SRQPRWell, Actual Survey (Grid to True) V0	VOLT 11C3-L, Wellbore #1, Design #1 V0	VOLT 14C3-L, Wellbore #1, Design #1 V0
DUKE J4-13, SRQPRWell, Actual Survey (Grid to True) V0	VOLT 13N6B4M, Wellbore #1, Design #1 V0	VOLT 25N6A4L, Wellbore #1, Design #1 V0
DUKE J4-25, SRQPRWell, Actual Survey (Grid to True) V0	VOLT 13N6B4M, Wellbore #1, Design #1 V0	VOLT 25C3-L, Wellbore #1, Design #1 V0
DUKE J4-11, SRQPRWell, Actual Survey (Grid to True) V0	VOLT 12N6C4L, Wellbore #1, Design #1 V0	VOLT 32C3-L, Wellbore #1, Design #1 V0
DUKE J4-33, SRQPRWell, Actual Survey (Grid to True) V0	VOLT 34N6B4M, Wellbore #1, Design #1 V0	VOLT 12N6C4M, Wellbore #1, Design #1 V0
SRC Northridge 4K0, SRQPRWell, Actual Survey V0	VOLT 14N6C4L, Wellbore #1, Design #1 V0	VOLT 33N6A4M, Wellbore #1, Design #1 V0
DUKE J4-14, SRQPRWell, Actual Survey (Grid to True) V0	VOLT 33N6C4M, Wellbore #1, Design #1 V0	BOSTFARM26N-BB-L, Wellbore #1, Design #1 V0
TCMOISRHILL 2-9-11, XOGPRWell, Actual Total Survey V0	VOLT 32N6B4L, Wellbore #1, Design #1 V0	WEEDEMAN25-5, Noble Energy PRWell, Actual Corebed Survey (Grid to True) V0
TCMOISRHILL 3-9-11, Etadon PRWell (Plan Only), Planned Etadon Survey V0	VOLT 32N6A4M, Wellbore #1, Design #1 V0	BOOMERANG28C-3-L, SRC Energy PRWell, Actual BH Survey V0
VOLT 36N6B-L, Wellbore #1, Design #1 V0	VOLT 12N6C4L, Wellbore #1, Design #1 V0	WEEDEMAN22-5, Noble Energy PRWell, Actual Corebed Survey (Grid to True) V0
VOLT 33C3-L, Wellbore #1, Design #1 V0	VOLT 36C3-L, Wellbore #1, Design #1 V0	BOOMERANG34N-8C-M, SRQPRWell, Actual BH Survey V0
VOLT 13C3-L, Wellbore #1, Design #1 V0	VOLT 33N6A4L, Wellbore #1, Design #1 V0	PSCJ5-11, Noble Energy SRWell, Actual Survey (Grid to True) V0
VOLT 14N6B-L, Wellbore #1, Design #1 V0	VOLT 11N6B-L, Wellbore #1, Design #1 V0	
VOLT 12N6A-M, Wellbore #1, Design #1 V0	VOLT 11N6C-M, Wellbore #1, Design #1 V0	