

# **SRC ENERGY**

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

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

**VOLT 33N-6C-M**

**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 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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>Reference</b>	Design #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 2,500.00 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.45 Sigma	<b>Casing Method:</b>	Added to Error Values

<b>Survey Tool Program</b>	<b>Date</b>	11/18/2018		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	1,800.00	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV ; Fixed:v2:crustal field declination	
1,800.00	15,533.10	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV ; Fixed:v2:Rockies, crustal dec + 3-axis correction	

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
5N-66W-05 Offsets Incomplete						
BOOMERANG 28C-3-L - SRC Energy PR Well - Actual B	7,100.00	7,739.26	1,647.49	1,605.40	39.142	SF
BOOMERANG 28C-3-L - SRC Energy PR Well - Actual B	7,400.00	7,539.62	1,621.52	1,582.52	41.571	ES
BOOMERANG 28C-3-L - SRC Energy PR Well - Actual B	7,416.09	7,528.68	1,621.46	1,582.56	41.682	CC
BOOMERANG 34N-6C-M - SRC PR Well - Actual BHI S	15,484.43	15,570.00	1,458.58	1,071.13	3.765	CC
BOOMERANG 34N-6C-M - SRC PR Well - Actual BHI S	15,500.00	15,570.00	1,458.66	1,071.05	3.763	ES
BOOMERANG 34N-6C-M - SRC PR Well - Actual BHI S	15,533.10	15,570.00	1,459.39	1,071.58	3.763	SF
PSC J 5-11 - Noble Energy SI Well - Actual VES Surveys	8,149.77	7,142.53	450.48	411.70	11.615	CC, ES
PSC J 5-11 - Noble Energy SI Well - Actual VES Surveys	8,200.00	7,141.87	453.28	413.99	11.537	SF
WIEDEMAN 22-5 - Noble Energy PR Well - Actual Coret	8,639.51	7,421.94	1,519.20	1,469.03	30.284	CC, ES
WIEDEMAN 22-5 - Noble Energy PR Well - Actual Coret	9,100.00	7,401.27	1,587.32	1,531.91	28.646	SF
WIEDEMAN 25-5 - Noble Energy PR Well - Actual Coret	7,461.51	7,520.10	1,509.66	1,466.33	34.843	CC, ES
WIEDEMAN 25-5 - Noble Energy PR Well - Actual Coret	8,000.00	7,520.24	1,610.72	1,562.48	33.389	SF
5N-66W-05 VOLT 19-5 PAD						
VOLT 11C-3-L - Wellbore #1 - Design #1	7,700.00	7,398.80	268.51	225.41	6.230	ES, SF
VOLT 11C-3-L - Wellbore #1 - Design #1	7,701.55	7,397.52	268.51	225.41	6.231	CC
VOLT 11N-3B-L - Wellbore #1 - Design #1	7,200.00	7,741.48	809.34	761.80	17.027	SF
VOLT 11N-3B-L - Wellbore #1 - Design #1	7,400.00	7,549.96	801.86	755.74	17.386	ES
VOLT 11N-3B-L - Wellbore #1 - Design #1	7,438.37	7,515.05	801.68	755.84	17.490	CC
VOLT 11N-3C-L - Wellbore #1 - Design #1	7,300.00	7,755.67	648.53	602.33	14.039	SF
VOLT 11N-3C-L - Wellbore #1 - Design #1	7,500.00	7,540.58	642.42	597.37	14.261	ES
VOLT 11N-3C-L - Wellbore #1 - Design #1	7,509.05	7,531.85	642.41	597.41	14.277	CC
VOLT 12N-6A-M - Wellbore #1 - Design #1	760.34	754.74	28.26	19.74	3.318	CC, ES
VOLT 12N-6A-M - Wellbore #1 - Design #1	15,533.10	15,375.21	442.25	175.25	1.656	SF
VOLT 12N-6B-M - Wellbore #1 - Design #1	777.73	770.20	45.53	36.96	5.311	CC, ES
VOLT 12N-6B-M - Wellbore #1 - Design #1	15,533.10	15,552.29	621.85	345.29	2.249	SF
VOLT 12N-6C-M - Wellbore #1 - Design #1	802.21	791.83	62.41	53.77	7.217	CC, ES
VOLT 12N-6C-M - Wellbore #1 - Design #1	15,533.10	15,663.40	868.83	591.22	3.130	SF
VOLT 13C-6-M - Wellbore #1 - Design #1	200.00	200.00	40.09	32.52	5.294	CC
VOLT 13C-6-M - Wellbore #1 - Design #1	15,528.99	15,637.63	250.30	-6.68	0.974	Level 1, ES, SF
VOLT 13N-6B-M - Wellbore #1 - Design #1	200.00	200.00	59.86	52.29	7.903	CC, ES
VOLT 13N-6B-M - Wellbore #1 - Design #1	15,533.10	15,433.77	391.58	117.48	1.429	Level 3, SF
VOLT 13N-6C-M - Wellbore #1 - Design #1	200.00	200.00	79.91	72.33	10.550	CC, ES
VOLT 13N-6C-M - Wellbore #1 - Design #1	15,533.10	15,455.18	615.40	341.67	2.248	SF
VOLT 14C-3-L - Wellbore #1 - Design #1	7,761.10	7,378.52	282.89	240.64	6.695	CC, ES, SF
VOLT 14N-3B-L - Wellbore #1 - Design #1	7,200.00	7,751.16	455.88	410.45	10.034	SF

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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 14N-3B-L - Wellbore #1 - Design #1	7,300.00	7,669.54	451.56	406.71	10.069	ES
VOLT 14N-3B-L - Wellbore #1 - Design #1	7,310.64	7,660.35	451.53	406.77	10.088	CC
VOLT 14N-3C-L - Wellbore #1 - Design #1	7,300.00	7,758.71	666.86	622.19	14.926	SF
VOLT 14N-3C-L - Wellbore #1 - Design #1	7,600.00	7,467.49	661.24	618.88	15.610	ES
VOLT 14N-3C-L - Wellbore #1 - Design #1	7,700.00	7,374.28	660.73	619.02	15.838	CC
VOLT 23N-3A-L - Wellbore #1 - Design #1	7,100.00	7,706.08	170.55	122.61	3.557	SF
VOLT 23N-3A-L - Wellbore #1 - Design #1	7,115.70	7,683.40	170.16	122.45	3.567	CC, ES
VOLT 23N-3B-L - Wellbore #1 - Design #1	7,366.80	7,586.80	160.99	115.91	3.572	CC, ES, SF
VOLT 23N-3C-L - Wellbore #1 - Design #1	7,497.92	7,538.90	60.15	16.42	1.375	Level 3, CC, ES, SF
VOLT 25C-3-L - Wellbore #1 - Design #1	7,300.00	7,752.75	1,008.05	961.26	21.542	SF
VOLT 25C-3-L - Wellbore #1 - Design #1	7,763.25	7,298.04	966.08	921.55	21.692	CC, ES
VOLT 25N-3A-L - Wellbore #1 - Design #1	7,000.00	7,770.67	1,053.07	1,003.39	21.195	SF
VOLT 25N-3A-L - Wellbore #1 - Design #1	7,151.57	7,675.52	1,046.43	997.42	21.351	CC, ES
VOLT 25N-3C-L - Wellbore #1 - Design #1	7,200.00	7,836.04	1,239.51	1,190.75	25.420	SF
VOLT 25N-3C-L - Wellbore #1 - Design #1	7,744.04	7,268.35	1,200.12	1,154.73	26.436	CC, ES
VOLT 32C-6-M - Wellbore #1 - Design #1	897.90	883.38	89.28	80.32	9.964	CC
VOLT 32C-6-M - Wellbore #1 - Design #1	900.00	885.41	89.28	80.32	9.957	ES
VOLT 32C-6-M - Wellbore #1 - Design #1	15,533.10	15,773.42	1,053.12	777.17	3.816	SF
VOLT 32N-6A-M - Wellbore #1 - Design #1	805.77	792.39	82.70	74.04	9.542	CC, ES
VOLT 32N-6A-M - Wellbore #1 - Design #1	15,533.10	15,521.09	1,042.62	766.40	3.775	SF
VOLT 32N-6B-M - Wellbore #1 - Design #1	827.24	808.63	122.58	113.83	14.016	CC, ES
VOLT 32N-6B-M - Wellbore #1 - Design #1	15,533.10	15,689.34	1,231.29	952.64	4.419	SF
VOLT 33C-6-M - Wellbore #1 - Design #1	747.58	752.92	10.43	1.94	1.229	Level 2, CC
VOLT 33C-6-M - Wellbore #1 - Design #1	15,533.10	15,666.07	235.82	-14.70	0.941	Level 1, ES, SF
VOLT 33N-6A-M - Wellbore #1 - Design #1	200.00	200.00	20.05	12.47	2.647	CC
VOLT 33N-6A-M - Wellbore #1 - Design #1	15,533.10	15,307.31	238.10	6.93	1.030	Level 2, ES, SF
VOLT 34C-6-M - Wellbore #1 - Design #1	200.00	200.00	120.00	112.42	15.843	CC, ES
VOLT 34C-6-M - Wellbore #1 - Design #1	15,531.37	15,584.84	1,026.50	753.62	3.762	SF
VOLT 34N-6B-M - Wellbore #1 - Design #1	200.00	200.00	99.95	92.38	13.197	CC
VOLT 34N-6B-M - Wellbore #1 - Design #1	300.00	303.25	100.00	92.34	13.060	ES
VOLT 34N-6B-M - Wellbore #1 - Design #1	15,533.10	15,395.47	815.06	540.77	2.971	SF
VOLT 34N-6C-M - Wellbore #1 - Design #1	200.00	200.00	140.04	132.47	18.490	CC, ES
VOLT 34N-6C-M - Wellbore #1 - Design #1	15,533.10	15,471.68	1,233.87	960.16	4.508	SF
VOLT 36C-3-L - Wellbore #1 - Design #1	621.52	768.13	1,017.25	1,008.86	121.250	CC, ES
VOLT 36C-3-L - Wellbore #1 - Design #1	7,200.00	8,028.82	1,150.19	1,104.81	25.348	SF
VOLT 36N-3A-L - Wellbore #1 - Design #1	200.00	200.00	999.77	992.20	132.002	CC
VOLT 36N-3A-L - Wellbore #1 - Design #1	300.00	332.04	999.85	992.18	130.336	ES
VOLT 36N-3A-L - Wellbore #1 - Design #1	6,900.00	7,930.45	1,310.38	1,262.66	27.457	SF
VOLT 36N-3B-L - Wellbore #1 - Design #1	7,100.00	7,871.09	912.80	866.51	19.715	SF
VOLT 36N-3B-L - Wellbore #1 - Design #1	7,258.22	7,753.16	906.84	861.56	20.026	CC, ES
5N-66W-06 Offsets Incomplete						
BRANDONDI 1 - PDC SI Well - Actual MS Energy Surve	14,966.27	7,041.01	673.49	526.07	4.568	CC, ES
BRANDONDI 1 - PDC SI Well - Actual MS Energy Surve	15,000.00	7,039.87	674.34	526.61	4.565	SF
SOUTH 6-21D - SRCI P&A Well - Actual VES Surveys						Out of range
SOUTH 6-22D - SRCI P&A Well - Actual VES Surveys	13,494.03	6,998.20	2,100.48	1,980.36	17.487	CC
SOUTH 6-22D - SRCI P&A Well - Actual VES Surveys	13,500.00	6,998.09	2,100.48	1,980.27	17.473	ES
SOUTH 6-22D - SRCI P&A Well - Actual VES Surveys	13,800.00	6,992.62	2,122.64	1,998.39	17.084	SF
SOUTH 6-23D - SRCI P&A Well - Actual VES Surveys	13,596.28	7,122.79	695.24	573.05	5.690	CC
SOUTH 6-23D - SRCI P&A Well - Actual VES Surveys	13,600.00	7,122.72	695.25	573.00	5.687	ES, SF
SOUTH 6-24D - SRCI P&A Well - VES Gyro Surveys	13,693.18	7,366.02	619.01	493.34	4.926	CC
SOUTH 6-24D - SRCI P&A Well - VES Gyro Surveys	13,700.00	7,365.82	619.05	493.23	4.920	ES, SF
WILKEN 15-6 - PDC SI Well - No Surveys	12,259.46	7,086.91	742.60	408.91	2.225	CC, ES, SF

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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
<b>Offset Well - Wellbore - Design</b>						
5N-66W-07 BOST FARM 5-7 PAD						
BOST FARM 26N-8B-L - Wellbore #1 - Design #1	7,100.00	15,861.54	1,517.63	1,237.38	5.415	ES, SF
BOST FARM 26N-8B-L - Wellbore #1 - Design #1	15,464.31	7,583.08	1,433.27	1,264.92	8.513	CC
5N-66W-08 Offsets Need HZ						
TC MOISER HILL 2-9-11 - XOG PR Well - Actual Total S	6,641.24	7,140.00	2,460.97	2,387.69	33.583	CC, ES
TC MOISER HILL 2-9-11 - XOG PR Well - Actual Total S	6,700.00	7,140.00	2,463.72	2,390.34	33.574	SF
TC MOISER HILL 3-9-11 - Extraction PR Well (Plan Only)						Out of range
5N-67W-01 Offsets Incomplete						
Bluff Federal 32C-2-L - SRC Energy Planned Well - BHI	15,155.30	6,860.78	1,669.35	1,518.53	11.069	CC
Bluff Federal 32C-2-L - SRC Energy Planned Well - BHI	15,200.00	6,876.10	1,669.87	1,518.29	11.016	ES
Bluff Federal 32C-2-L - SRC Energy Planned Well - BHI	15,533.10	7,099.88	1,702.26	1,545.88	10.886	SF
Bluff Federal 32N-2C-L - SRC Energy Planned Well - BH	15,269.12	6,927.02	1,473.22	1,320.69	9.658	CC
Bluff Federal 32N-2C-L - SRC Energy Planned Well - BH	15,300.00	6,945.93	1,473.42	1,320.23	9.618	ES
Bluff Federal 32N-2C-L - SRC Energy Planned Well - BH	15,533.10	7,139.55	1,484.48	1,326.29	9.384	SF
Bluff Federal 5N-2B-L - SRC Energy Planned Well - BHI	15,194.72	6,784.61	1,899.96	1,748.88	12.575	CC
Bluff Federal 5N-2B-L - SRC Energy Planned Well - BHI	15,200.00	6,786.83	1,899.97	1,748.78	12.567	ES
Bluff Federal 5N-2B-L - SRC Energy Planned Well - BHI	15,533.10	7,019.07	1,920.26	1,762.80	12.195	SF
GREELEY-ROTHER 34C-2-L - SRC Energy PR Well - Act	15,224.92	7,006.71	1,128.68	978.96	7.539	CC, ES
GREELEY-ROTHER 34C-2-L - SRC Energy PR Well - Act	15,300.00	7,029.40	1,131.15	980.37	7.502	SF
GREELEY-ROTHER 34N-2B-L - SRC Energy PR Well - A	15,294.52	6,958.33	1,006.76	857.44	6.742	CC
GREELEY-ROTHER 34N-2B-L - SRC Energy PR Well - A	15,300.00	6,960.87	1,006.77	857.33	6.737	ES
GREELEY-ROTHER 34N-2B-L - SRC Energy PR Well - A	15,533.10	7,231.60	1,016.65	859.69	6.477	SF
GREELEY-ROTHER FEDERAL 12C-2-L - SRC Energy PR	15,332.16	7,153.51	302.86	150.21	1.984	CC, ES, SF
GREELEY-ROTHER FEDERAL 12N-2A-L - SRC Energy P	15,533.10	7,278.81	525.44	367.65	3.330	CC, ES, SF
GREELEY-ROTHER FEDERAL 12N-2C-L - SRC Energy P	15,215.94	6,915.63	773.45	627.08	5.284	CC
GREELEY-ROTHER FEDERAL 12N-2C-L - SRC Energy P	15,533.10	7,308.85	782.50	623.56	4.923	ES, SF
GREELEY-ROTHER FEDERAL 13C-2-L - SRC Energy PR	15,285.53	7,063.39	298.88	150.25	2.011	CC
GREELEY-ROTHER FEDERAL 13C-2-L - SRC Energy PR	15,300.00	7,070.96	299.11	149.91	2.005	ES, SF
GREELEY-ROTHER FEDERAL 13N-2B-L - SRC Energy P	15,533.10	7,227.29	542.42	385.99	3.467	CC, ES, SF
GREELEY-ROTHER FEDERAL 13N-2C-L - SRC Energy P	15,335.30	7,047.68	698.93	548.27	4.639	CC, ES
GREELEY-ROTHER FEDERAL 13N-2C-L - SRC Energy P	15,400.00	7,082.00	701.23	549.26	4.614	SF
GREELEY-ROTHER FEDERAL 32C-2-L - SRC Energy PR	15,118.11	15,118.11	1,147.81	978.89	6.795	ES, SF
GREELEY-ROTHER FEDERAL 32C-2-L - SRC Energy PR	15,315.67	7,291.55	1,144.76	990.47	7.420	CC
GREELEY-ROTHER FEDERAL 32N-2B-L - SRC Energy P	15,214.66	6,950.88	940.19	791.17	6.309	CC, ES
GREELEY-ROTHER FEDERAL 32N-2B-L - SRC Energy P	15,500.00	7,205.61	963.51	807.19	6.164	SF
GREELEY-ROTHER FEDERAL 33N-2B-L - SRC Energy P	15,533.10	7,209.32	131.74	4.16	1.033	Level 2, CC, ES, SF
GREELEY-ROTHER FEDERAL 33N-2C-L - SRC Energy P	15,533.10	7,283.29	87.34	-67.74	0.563	Level 1, CC, ES, SF
HERTZKE 1-33 - SRC Energy SI Well - No Surveys						Out of range

<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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
3,000.00	2,964.11	3,384.27	3,342.27	8.18	10.00	-77.71	2,561.45	356.83	2,479.77	2,463.18	16.60	149.423	
3,100.00	3,062.66	3,478.06	3,434.79	8.36	10.19	-78.11	2,546.07	355.85	2,459.64	2,442.68	16.96	145.058	
3,200.00	3,161.21	3,569.15	3,524.63	8.55	10.39	-78.55	2,531.28	353.31	2,439.86	2,422.53	17.33	140.760	
3,300.00	3,259.76	3,666.13	3,620.28	8.76	10.61	-79.04	2,515.59	350.05	2,420.32	2,402.58	17.74	136.455	
3,400.00	3,358.31	3,759.39	3,712.23	8.96	10.82	-79.53	2,500.42	346.43	2,400.89	2,382.74	18.15	132.269	
3,500.00	3,456.86	3,847.54	3,799.15	9.18	11.03	-80.01	2,486.34	342.44	2,381.96	2,363.38	18.57	128.247	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
3,600.00	3,555.41	3,940.00	3,890.33	9.40	11.26	-80.53	2,471.71	337.84	2,363.42	2,344.40	19.02	124.284		
3,700.00	3,653.96	4,031.31	3,980.37	9.63	11.49	-81.06	2,457.36	332.83	2,345.23	2,325.76	19.47	120.446		
3,800.00	3,752.51	4,119.77	4,067.60	9.87	11.72	-81.59	2,443.65	327.58	2,327.53	2,307.59	19.93	116.762		
3,900.00	3,851.06	4,207.67	4,154.30	10.11	11.96	-82.14	2,430.28	322.01	2,310.38	2,289.97	20.41	113.214		
4,000.00	3,949.61	4,296.17	4,241.59	10.36	12.19	-82.70	2,417.04	315.91	2,293.78	2,272.89	20.89	109.787		
4,100.00	4,048.16	4,386.65	4,330.82	10.61	12.44	-83.30	2,403.73	309.07	2,277.77	2,256.37	21.39	106.471		
4,200.00	4,146.71	4,501.74	4,444.33	10.87	12.73	-84.06	2,386.49	301.09	2,261.73	2,239.79	21.94	103.096		
4,300.00	4,245.26	4,627.87	4,568.76	11.13	13.04	-84.82	2,366.60	295.67	2,244.86	2,222.36	22.50	99.786		
4,400.00	4,343.81	4,732.37	4,671.83	11.39	13.31	-85.40	2,349.53	293.93	2,227.28	2,204.26	23.02	96.760		
4,500.00	4,442.36	4,830.84	4,768.97	11.66	13.57	-85.94	2,333.38	292.97	2,209.74	2,186.20	23.54	93.876		
4,600.00	4,540.91	4,915.10	4,852.08	11.94	13.81	-86.42	2,319.60	291.27	2,192.61	2,168.56	24.05	91.175		
4,700.00	4,639.46	4,996.63	4,932.50	12.21	14.04	-86.93	2,306.52	288.28	2,176.28	2,151.72	24.56	88.595		
4,800.00	4,738.01	5,075.41	5,010.21	12.49	14.27	-87.46	2,294.23	284.22	2,160.90	2,135.81	25.08	86.143		
4,900.00	4,836.56	5,148.31	5,082.12	12.77	14.48	-87.98	2,283.30	279.44	2,146.65	2,121.05	25.60	83.852		
5,000.00	4,935.11	5,217.89	5,150.79	13.05	14.68	-88.50	2,273.55	273.97	2,133.89	2,107.78	26.11	81.714		
5,100.00	5,033.66	5,297.51	5,229.36	13.34	14.91	-89.12	2,262.91	266.65	2,122.39	2,095.73	26.66	79.613		
5,200.00	5,132.21	5,372.29	5,303.12	13.63	15.13	-89.72	2,253.37	258.93	2,112.08	2,084.88	27.20	77.656		
5,300.00	5,230.76	5,443.44	5,373.32	13.92	15.33	-90.31	2,244.89	250.99	2,103.17	2,075.44	27.73	75.840		
5,400.00	5,329.30	5,521.87	5,450.69	14.21	15.55	-90.98	2,236.28	241.50	2,095.77	2,067.48	28.28	74.100		
5,500.00	5,427.85	5,658.38	5,585.36	14.50	15.90	-92.15	2,220.87	225.36	2,088.67	2,059.70	28.97	72.099		
5,600.00	5,526.40	5,821.19	5,745.92	14.80	16.34	-93.49	2,198.53	210.29	2,078.90	2,049.19	29.71	69.970		
5,700.00	5,624.95	5,951.05	5,873.52	15.10	16.72	-94.58	2,177.35	198.74	2,067.07	2,036.67	30.40	67.995		
5,800.00	5,723.50	6,070.56	5,990.78	15.40	17.09	-95.59	2,156.51	188.88	2,054.52	2,023.46	31.07	66.134		
5,900.00	5,822.05	6,190.00	6,134.33	15.70	16.59	-96.70	2,130.16	183.21	2,040.38	2,009.47	30.91	66.013		
6,000.00	5,920.60	6,362.90	6,277.67	16.00	17.97	-97.69	2,101.27	183.76	2,023.25	1,990.81	32.44	62.377		
6,100.00	6,019.15	6,433.07	6,346.63	16.31	18.17	-98.08	2,088.67	186.88	2,006.96	1,974.00	32.97	60.878		
6,200.00	6,117.70	6,520.65	6,432.86	16.61	18.42	-98.55	2,074.05	191.55	1,991.70	1,958.18	33.52	59.426		
6,300.00	6,216.25	7,772.99	7,260.80	16.92	24.83	-83.47	1,916.16	885.52	1,969.77	1,930.80	38.97	50.540		
6,400.00	6,314.80	7,786.13	7,261.62	17.22	25.09	-83.02	1,916.24	898.64	1,914.60	1,874.70	39.90	47.984		
6,500.00	6,413.35	7,799.32	7,262.45	17.53	25.34	-82.57	1,916.39	911.79	1,863.01	1,822.17	40.84	45.622		
6,600.00	6,512.28	7,810.88	7,263.18	17.79	25.57	-61.65	1,916.58	923.33	1,815.01	1,773.31	41.70	43.524		
6,700.00	6,612.08	7,814.05	7,263.38	17.94	25.63	62.93	1,916.65	926.50	1,770.30	1,727.98	42.32	41.829		
6,800.00	6,710.50	7,808.03	7,263.00	18.03	25.51	83.28	1,916.53	920.49	1,730.20	1,687.53	42.67	40.544		
6,900.00	6,805.12	7,792.91	7,262.05	18.06	25.22	89.98	1,916.31	905.40	1,695.89	1,653.15	42.74	39.680		
7,000.00	6,893.62	7,769.03	7,260.55	18.06	24.75	93.50	1,916.16	881.57	1,668.18	1,625.66	42.52	39.232		
7,100.00	6,973.81	7,739.26	7,258.68	18.03	24.18	95.43	1,916.30	851.86	1,647.49	1,605.40	42.09	39.142 SF		
7,200.00	7,043.73	7,673.06	7,253.11	18.03	23.03	95.51	1,917.44	785.91	1,633.37	1,592.41	40.96	39.878		
7,300.00	7,101.64	7,604.75	7,243.22	18.07	22.00	94.96	1,919.26	718.37	1,624.82	1,584.94	39.88	40.744		
7,400.00	7,146.13	7,539.62	7,227.14	18.19	21.28	93.98	1,921.96	655.35	1,621.52	1,582.52	39.01	41.571 ES		
7,416.09	7,151.95	7,528.68	7,223.81	18.22	21.18	93.77	1,922.50	644.94	1,621.46	1,582.56	38.90	41.682 CC		
7,500.00	7,176.09	7,471.86	7,204.32	18.41	20.83	92.53	1,925.61	591.67	1,623.05	1,584.70	38.35	42.320		
7,600.00	7,190.80	7,398.89	7,173.71	18.73	20.58	90.68	1,930.16	525.62	1,628.64	1,590.76	37.88	42.992		
7,700.00	7,190.87	7,338.33	7,143.33	19.15	20.46	89.12	1,934.24	473.42	1,637.48	1,599.72	37.76	43.368		
7,800.00	7,187.69	7,296.83	7,119.90	19.71	20.38	88.34	1,937.84	439.35	1,650.00	1,611.96	38.05	43.369		
7,900.00	7,184.51	7,265.00	7,100.56	20.39	20.34	87.69	1,941.17	414.30	1,666.51	1,628.03	38.48	43.307		
8,000.00	7,181.33	7,230.07	7,077.90	21.17	20.26	86.94	1,945.50	388.08	1,687.22	1,648.14	39.08	43.174		
8,100.00	7,178.15	7,203.07	7,059.34	22.06	20.21	86.32	1,949.40	368.86	1,712.30	1,672.52	39.78	43.048		
8,200.00	7,174.98	7,173.00	7,037.68	23.03	20.16	85.61	1,954.30	348.60	1,741.73	1,701.24	40.49	43.015		
8,300.00	7,171.80	7,173.00	7,037.68	24.08	20.16	85.61	1,954.30	348.60	1,775.61	1,734.22	41.39	42.901		
8,400.00	7,168.62	7,131.25	7,005.91	25.19	20.07	84.57	1,961.85	322.60	1,813.00	1,770.84	42.15	43.008		
8,500.00	7,165.44	7,110.76	6,989.64	26.36	20.02	84.04	1,965.81	310.79	1,854.58	1,811.60	42.98	43.150		
8,600.00	7,162.26	7,081.00	6,965.28	27.59	19.96	83.25	1,971.83	294.80	1,900.02	1,856.27	43.76	43.422		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
8,700.00	7,159.08	7,081.00	6,965.28	28.86	19.96	83.25	1,971.83	294.80	1,948.86	1,904.27	44.59	43.705	
8,800.00	7,155.90	7,051.25	6,940.23	30.16	19.88	82.45	1,978.04	280.00	2,000.97	1,955.62	45.34	44.130	
8,900.00	7,152.72	7,031.34	6,923.15	31.50	19.83	81.90	1,982.22	270.66	2,056.14	2,010.07	46.07	44.629	
9,000.00	7,149.54	6,988.00	6,885.18	32.88	19.73	80.71	1,991.40	251.91	2,114.57	2,067.84	46.73	45.247	
9,100.00	7,146.36	6,988.00	6,885.18	34.28	19.73	80.71	1,991.40	251.91	2,174.93	2,127.52	47.41	45.877	
9,200.00	7,143.18	6,988.00	6,885.18	35.70	19.73	80.71	1,991.40	251.91	2,238.13	2,190.10	48.03	46.595	
9,300.00	7,140.00	6,988.00	6,885.18	37.14	19.73	80.71	1,991.40	251.91	2,303.95	2,255.33	48.61	47.395	
9,400.00	7,136.82	6,956.01	6,856.39	38.60	19.64	79.81	1,998.09	239.69	2,371.43	2,322.27	49.16	48.241	
9,500.00	7,133.64	6,945.02	6,846.34	40.08	19.62	79.50	2,000.33	235.86	2,441.22	2,391.56	49.66	49.157	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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: 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	
3,200.00	3,161.21	3,634.95	3,573.18	8.55	11.57	-68.31	2,544.42	796.20	2,483.25	2,464.42	18.83	131.859	
3,300.00	3,259.76	3,717.62	3,654.12	8.76	11.79	-68.41	2,529.01	802.98	2,459.41	2,440.19	19.22	127.965	
3,400.00	3,358.31	3,783.40	3,718.53	8.96	11.95	-68.48	2,517.21	809.25	2,436.44	2,416.86	19.58	124.404	
3,500.00	3,456.86	3,849.74	3,783.49	9.18	12.11	-68.52	2,506.05	816.80	2,414.76	2,394.79	19.96	120.952	
3,600.00	3,555.41	3,919.11	3,851.40	9.40	12.29	-68.54	2,495.13	825.74	2,394.30	2,373.94	20.36	117.579	
3,700.00	3,653.96	4,003.06	3,933.59	9.63	12.51	-68.54	2,482.53	837.35	2,374.69	2,353.88	20.81	114.127	
3,800.00	3,752.51	4,093.85	4,022.48	9.87	12.76	-68.54	2,469.28	850.22	2,355.52	2,334.24	21.28	110.684	
3,900.00	3,851.06	4,200.79	4,127.20	10.11	13.07	-68.55	2,453.67	865.24	2,336.32	2,314.51	21.81	107.119	
4,000.00	3,949.61	4,284.15	4,208.86	10.36	13.32	-68.55	2,441.64	876.94	2,317.29	2,295.00	22.29	103.952	
4,100.00	4,048.16	4,406.33	4,328.53	10.61	13.69	-68.56	2,423.65	893.73	2,297.92	2,275.05	22.87	100.456	
4,200.00	4,146.71	4,508.66	4,428.73	10.87	14.01	-68.58	2,408.07	907.47	2,278.05	2,254.63	23.42	97.263	
4,300.00	4,245.26	4,621.86	4,539.59	11.13	14.38	-68.61	2,390.51	922.21	2,257.87	2,233.87	24.00	94.066	
4,400.00	4,343.81	4,755.98	4,670.92	11.39	14.83	-68.69	2,368.30	937.85	2,236.50	2,211.87	24.64	90.781	
4,500.00	4,442.36	4,860.49	4,773.27	11.66	15.18	-68.79	2,350.12	948.67	2,214.17	2,188.97	25.20	87.876	
4,600.00	4,540.91	4,964.52	4,875.15	11.94	15.52	-68.90	2,331.68	958.71	2,191.43	2,165.68	25.75	85.091	
4,700.00	4,639.46	5,057.57	4,966.31	12.21	15.82	-69.01	2,315.22	967.61	2,168.74	2,142.46	26.28	82.517	
4,800.00	4,738.01	5,166.23	5,072.82	12.49	16.16	-69.16	2,296.07	977.39	2,146.08	2,119.23	26.85	79.943	
4,900.00	4,836.56	5,276.80	5,181.12	12.77	16.53	-69.34	2,275.63	986.22	2,122.43	2,095.01	27.41	77.424	
5,000.00	4,935.11	5,369.58	5,272.00	13.05	16.81	-69.50	2,258.46	993.68	2,098.81	2,070.87	27.94	75.119	
5,100.00	5,033.66	5,456.51	5,357.11	13.34	17.06	-69.62	2,242.56	1,001.41	2,075.50	2,047.04	28.46	72.928	
5,200.00	5,132.21	5,535.27	5,434.22	13.63	17.30	-69.72	2,228.60	1,009.21	2,052.87	2,023.89	28.97	70.854	
5,300.00	5,230.76	5,609.94	5,507.37	13.92	17.53	-69.79	2,216.08	1,017.55	2,031.29	2,001.80	29.49	68.888	
5,400.00	5,329.30	5,686.39	5,582.24	14.21	17.77	-69.83	2,204.01	1,027.09	2,010.79	1,980.78	30.01	66.999	
5,500.00	5,427.85	5,780.38	5,674.31	14.50	18.06	-69.87	2,189.70	1,039.43	1,990.90	1,960.32	30.59	65.091	
5,600.00	5,526.40	5,887.22	5,778.98	14.80	18.42	-69.92	2,173.24	1,053.22	1,970.82	1,939.62	31.20	63.165	
5,700.00	5,624.95	5,979.99	5,869.92	15.10	18.74	-69.98	2,159.01	1,064.73	1,950.76	1,918.98	31.78	61.375	
5,800.00	5,723.50	6,088.73	5,976.55	15.40	19.10	-70.06	2,142.16	1,077.81	1,930.53	1,898.12	32.40	59.576	
5,900.00	5,822.05	6,212.73	6,098.10	15.70	19.54	-70.19	2,122.03	1,091.77	1,909.55	1,876.49	33.06	57.760	
6,000.00	5,920.60	6,326.38	6,209.48	16.00	19.94	-70.36	2,102.16	1,102.55	1,887.12	1,853.43	33.68	56.027	
6,100.00	6,019.15	6,432.64	6,313.75	16.31	20.31	-70.60	2,083.22	1,110.31	1,864.22	1,829.95	34.27	54.397	
6,200.00	6,117.70	6,540.49	6,419.73	16.61	20.66	-70.96	2,063.71	1,114.61	1,840.80	1,805.98	34.83	52.854	
6,300.00	6,216.25	6,927.41	6,782.17	16.92	21.60	-75.46	1,974.52	1,033.95	1,810.82	1,775.78	35.04	51.680	
6,400.00	6,314.80	6,983.70	6,827.00	17.22	21.67	-76.77	1,960.47	1,003.01	1,774.81	1,739.36	35.45	50.062	
6,500.00	6,413.35	7,029.91	6,861.30	17.53	21.70	-77.98	1,950.18	973.82	1,741.90	1,705.99	35.90	48.517	
6,600.00	6,512.28	7,069.48	6,888.68	17.79	21.72	-59.83	1,942.32	946.37	1,712.56	1,676.26	36.31	47.170	
6,700.00	6,612.08	7,106.45	6,912.55	17.94	21.72	61.60	1,935.82	918.91	1,686.60	1,649.95	36.65	46.020	
6,800.00	6,710.50	7,143.77	6,935.36	18.03	21.72	79.40	1,930.19	889.92	1,664.39	1,627.45	36.94	45.052	
6,900.00	6,805.12	7,185.74	6,959.46	18.06	21.71	84.15	1,925.00	855.96	1,646.14	1,608.94	37.19	44.259	
7,000.00	6,893.62	7,246.64	6,990.60	18.06	21.69	86.09	1,918.78	804.03	1,631.31	1,593.73	37.58	43.404	
7,100.00	6,973.81	7,354.22	7,033.22	18.03	21.65	86.28	1,908.90	705.87	1,618.80	1,580.30	38.50	42.048	
7,200.00	7,043.73	7,441.20	7,057.58	18.03	21.64	86.46	1,900.06	622.86	1,606.63	1,567.07	39.56	40.610	
7,300.00	7,101.64	7,521.84	7,073.98	18.07	22.01	86.61	1,892.23	544.33	1,596.01	1,555.19	40.82	39.100	
7,400.00	7,146.13	7,587.32	7,081.60	18.19	23.10	86.81	1,886.43	479.58	1,587.12	1,545.14	41.98	37.803	
7,500.00	7,176.09	7,646.00	7,082.36	18.41	24.19	86.90	1,882.47	421.06	1,580.91	1,537.68	43.23	36.570	
7,600.00	7,190.80	7,730.09	7,079.11	18.73	25.91	86.79	1,878.00	337.15	1,576.55	1,531.36	45.19	34.888	
7,700.00	7,190.87	7,815.38	7,075.78	19.15	27.76	86.88	1,874.11	252.02	1,572.91	1,525.50	47.41	33.178	
7,800.00	7,187.69	7,899.48	7,072.52	19.71	29.68	86.85	1,871.10	168.04	1,570.22	1,520.38	49.84	31.507	
7,900.00	7,184.51	8,041.11	7,067.10	20.39	33.03	86.81	1,865.53	26.63	1,567.35	1,513.50	53.86	29.103	
8,000.00	7,181.33	8,109.68	7,064.47	21.17	34.73	86.79	1,862.64	-41.83	1,563.86	1,507.56	56.31	27.774	
8,100.00	7,178.15	8,165.73	7,062.34	22.06	36.15	86.78	1,861.29	-97.82	1,562.37	1,503.82	58.55	26.684	
8,100.90	7,178.13	8,166.21	7,062.32	22.07	36.16	86.78	1,861.28	-98.31	1,562.37	1,503.80	58.57	26.675	
8,200.00	7,174.98	8,222.75	7,060.26	23.03	37.60	86.77	1,861.64	-154.80	1,563.80	1,502.90	60.90	25.680	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
8,300.00	7,171.80	8,291.47	7,057.69	24.08	39.38	86.76	1,863.60	-223.45	1,567.52	1,503.87	63.65	24.629		
8,400.00	7,168.62	8,363.35	7,055.07	25.19	41.26	86.76	1,867.03	-295.19	1,573.13	1,506.57	66.57	23.633		
8,500.00	7,165.44	8,445.57	7,052.50	26.36	43.44	86.77	1,872.28	-377.21	1,580.32	1,510.46	69.86	22.620		
8,600.00	7,162.26	8,531.38	7,049.81	27.59	45.73	86.78	1,878.41	-462.76	1,588.30	1,514.96	73.34	21.657		
8,700.00	7,159.08	8,616.29	7,047.29	28.86	48.02	86.81	1,885.36	-547.35	1,597.29	1,520.44	76.85	20.784		
8,800.00	7,155.90	8,720.35	7,044.01	30.16	50.86	86.83	1,894.43	-650.96	1,606.84	1,525.80	81.03	19.829		
8,900.00	7,152.72	8,839.78	7,040.83	31.50	54.15	86.87	1,903.47	-769.99	1,615.18	1,529.41	85.77	18.831		
9,000.00	7,149.54	8,980.68	7,039.14	32.88	58.07	86.98	1,911.87	-910.63	1,621.89	1,530.64	91.25	17.775		
9,100.00	7,146.36	9,100.00	7,037.27	34.28	61.42	87.09	1,916.17	-1,053.62	1,625.52	1,529.39	96.13	16.910		
9,200.00	7,143.18	9,377.86	7,030.42	35.70	69.25	87.12	1,909.15	-1,307.43	1,623.71	1,518.38	105.33	15.415		
9,300.00	7,140.00	9,300.00	7,024.41	37.14	67.11	87.08	1,890.88	-1,488.70	1,614.66	1,510.42	104.25	15.489		
9,400.00	7,136.82	9,664.53	7,020.93	38.60	77.28	87.05	1,876.68	-1,592.02	1,601.88	1,486.04	115.85	13.828		
9,500.00	7,133.64	9,728.96	7,018.79	40.08	79.09	87.04	1,869.23	-1,655.98	1,591.04	1,471.72	119.32	13.334		
9,600.00	7,130.46	9,855.98	7,014.98	41.57	82.68	87.02	1,855.12	-1,782.15	1,580.94	1,456.71	124.23	12.726		
9,700.00	7,127.28	10,108.45	7,008.10	43.08	89.71	86.98	1,812.73	-2,030.78	1,565.87	1,434.66	131.21	11.934		
9,800.00	7,124.10	10,169.00	7,006.63	44.59	91.37	86.97	1,799.84	-2,089.92	1,545.51	1,410.65	134.86	11.460		
9,900.00	7,120.92	10,210.07	7,005.54	46.12	92.52	86.96	1,792.34	-2,130.28	1,528.22	1,390.07	138.15	11.062		
10,000.00	7,117.74	10,264.00	7,004.05	47.66	94.04	86.96	1,785.14	-2,183.70	1,515.09	1,373.52	141.57	10.702		
10,100.00	7,114.57	10,300.80	7,003.01	49.20	95.10	86.96	1,781.53	-2,220.31	1,505.26	1,360.74	144.52	10.415		
10,200.00	7,111.39	10,357.00	7,001.47	50.76	96.71	86.96	1,777.04	-2,276.31	1,498.26	1,350.46	147.80	10.137		
10,300.00	7,108.21	10,417.26	7,000.09	52.32	98.45	86.97	1,773.92	-2,336.47	1,494.01	1,342.90	151.11	9.887		
10,399.56	7,105.04	10,476.27	6,999.17	53.88	100.16	87.01	1,772.76	-2,395.46	1,492.75	1,338.45	154.29	9.675		
10,400.00	7,105.03	10,476.56	6,999.17	53.88	100.17	87.01	1,772.76	-2,395.74	1,492.75	1,338.44	154.31	9.674		
10,500.00	7,101.85	10,543.00	6,998.56	55.46	102.10	87.07	1,773.06	-2,462.18	1,493.91	1,336.24	157.66	9.475		
10,600.00	7,098.67	10,616.44	6,998.04	57.04	104.23	87.14	1,774.88	-2,535.60	1,497.09	1,335.87	161.22	9.286		
10,700.00	7,095.49	10,694.82	6,997.40	58.62	106.51	87.22	1,778.07	-2,613.91	1,501.87	1,336.95	164.92	9.107		
10,800.00	7,092.31	10,776.84	6,996.89	60.21	108.90	87.31	1,782.49	-2,695.81	1,507.96	1,339.22	168.75	8.936		
10,900.00	7,089.13	10,867.74	6,996.18	61.80	111.55	87.40	1,788.28	-2,786.52	1,515.05	1,342.13	172.92	8.762		
11,000.00	7,085.95	10,999.63	6,995.20	63.40	115.39	87.54	1,795.98	-2,918.18	1,521.74	1,343.03	178.71	8.515		
11,100.00	7,082.77	11,122.33	6,994.00	65.00	118.97	87.65	1,800.11	-3,040.80	1,525.79	1,341.69	184.10	8.288		
11,200.00	7,079.59	11,202.89	6,993.84	66.61	121.32	87.74	1,803.00	-3,121.30	1,530.08	1,342.16	187.93	8.142		
11,300.00	7,076.41	11,339.74	6,994.69	68.21	125.33	87.95	1,807.89	-3,258.06	1,534.57	1,340.73	193.84	7.917		
11,400.00	7,073.23	11,484.49	6,995.50	69.82	129.56	88.15	1,807.68	-3,402.81	1,534.93	1,335.04	199.89	7.679		
11,500.00	7,070.05	11,624.47	6,994.57	71.44	133.64	88.28	1,803.78	-3,542.72	1,532.77	1,327.15	205.62	7.454		
11,600.00	7,066.87	11,707.98	6,993.48	73.05	136.08	88.33	1,800.72	-3,626.16	1,529.97	1,320.28	209.69	7.296		
11,693.62	7,063.90	11,772.05	6,991.92	74.57	137.96	88.35	1,799.63	-3,690.21	1,529.11	1,316.08	213.03	7.178		
11,700.00	7,063.69	11,777.15	6,991.78	74.67	138.11	88.35	1,799.59	-3,695.30	1,529.11	1,315.83	213.28	7.169		
11,800.00	7,060.51	11,857.00	6,990.13	76.29	140.45	88.39	1,799.53	-3,775.14	1,529.86	1,312.69	217.17	7.045		
11,900.00	7,057.33	11,936.84	6,988.99	77.92	142.79	88.44	1,800.55	-3,854.97	1,531.91	1,310.89	221.03	6.931		
12,000.00	7,054.15	12,006.27	6,988.11	79.54	144.83	88.49	1,802.52	-3,924.36	1,535.57	1,311.12	224.45	6.841		
12,100.00	7,050.98	12,081.63	6,987.23	81.17	147.04	88.55	1,806.21	-3,999.62	1,541.22	1,313.17	228.05	6.758		
12,200.00	7,047.80	12,175.46	6,985.99	82.80	149.80	88.62	1,811.74	-4,093.28	1,547.89	1,315.51	232.38	6.661		
12,300.00	7,044.62	12,343.94	6,984.15	84.43	154.75	88.76	1,818.31	-4,261.60	1,552.73	1,313.12	239.61	6.480		
12,400.00	7,041.44	12,461.70	6,982.84	86.06	158.21	88.85	1,820.03	-4,379.34	1,555.09	1,310.29	244.80	6.352		
12,500.00	7,038.26	12,632.02	6,980.97	87.69	163.20	88.98	1,816.33	-4,549.59	1,553.55	1,302.07	251.49	6.177		
12,600.00	7,035.08	12,755.94	6,981.32	89.33	166.82	89.14	1,810.03	-4,673.35	1,549.21	1,292.56	256.65	6.036		
12,700.00	7,031.90	12,876.69	6,982.14	90.96	170.34	89.31	1,802.36	-4,793.86	1,543.66	1,281.97	261.68	5.899		
12,800.00	7,028.72	12,986.00	6,981.57	92.60	173.53	89.41	1,794.27	-4,902.86	1,537.06	1,270.63	266.43	5.769		
12,900.00	7,025.54	13,065.00	6,980.61	94.24	175.83	89.47	1,788.80	-4,981.66	1,530.93	1,260.40	270.53	5.659		
13,000.00	7,022.36	13,145.10	6,979.63	95.88	178.17	89.52	1,784.19	-5,061.62	1,526.01	1,251.39	274.62	5.557		
13,100.00	7,019.18	13,278.77	6,977.87	97.52	182.07	89.62	1,776.00	-5,195.02	1,520.72	1,240.77	279.95	5.432		
13,200.00	7,016.00	13,375.11	6,976.55	99.16	184.88	89.68	1,768.85	-5,291.09	1,514.14	1,229.71	284.43	5.323		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							
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	Warning	
13,300.00	7,012.82	13,437.00	6,975.73	100.80	186.69	89.72	1,764.82	-5,352.84	1,508.73	1,220.63	288.10	5.237		
13,400.00	7,009.64	13,495.82	6,974.99	102.44	188.41	89.76	1,762.54	-5,411.60	1,505.96	1,214.46	291.50	5.166		
13,428.84	7,008.73	13,509.83	6,974.82	102.92	188.83	89.78	1,762.35	-5,425.62	1,505.82	1,213.47	292.35	5.151		
13,500.00	7,006.46	13,546.22	6,974.39	104.09	189.90	89.80	1,762.49	-5,462.00	1,506.66	1,212.26	294.39	5.118		
13,600.00	7,003.28	13,600.43	6,973.79	105.73	191.49	89.85	1,764.10	-5,516.18	1,510.47	1,213.33	297.14	5.083		
13,700.00	7,000.10	13,700.00	6,972.74	107.38	194.43	89.93	1,768.70	-5,619.68	1,515.75	1,213.97	301.78	5.023		
13,800.00	6,996.92	13,808.00	6,971.73	109.03	197.61	90.02	1,772.06	-5,723.58	1,519.79	1,213.12	306.67	4.956		
13,900.00	6,993.74	13,886.31	6,970.95	110.67	199.93	90.08	1,775.53	-5,801.81	1,525.12	1,214.79	310.33	4.914		
14,000.00	6,990.57	13,987.67	6,969.89	112.32	202.92	90.16	1,781.14	-5,903.00	1,531.50	1,216.50	315.00	4.862		
14,100.00	6,987.39	14,086.98	6,968.81	113.97	205.85	90.24	1,786.39	-6,002.17	1,537.64	1,218.06	319.58	4.811		
14,200.00	6,984.21	14,254.42	6,966.66	115.62	210.79	90.36	1,790.91	-6,169.52	1,540.90	1,213.97	326.92	4.713		
14,300.00	6,981.03	14,389.75	6,964.96	117.27	214.78	90.45	1,790.81	-6,304.85	1,541.74	1,209.03	332.71	4.634		
14,400.00	6,977.85	14,581.70	6,962.66	118.92	220.40	90.60	1,781.71	-6,496.52	1,537.48	1,197.92	339.56	4.528		
14,500.00	6,974.67	14,663.08	6,961.67	120.57	222.78	90.66	1,776.36	-6,577.71	1,531.74	1,187.98	343.76	4.456		
14,600.00	6,971.49	14,785.70	6,960.26	122.22	226.36	90.75	1,768.04	-6,700.04	1,525.84	1,177.08	348.76	4.375		
14,700.00	6,968.31	14,881.88	6,958.93	123.87	229.17	90.82	1,760.36	-6,795.91	1,518.74	1,165.49	353.25	4.299		
14,800.00	6,965.13	14,978.39	6,957.67	125.53	231.98	90.89	1,753.85	-6,892.19	1,512.84	1,155.09	357.75	4.229		
14,900.00	6,961.95	15,151.42	6,956.04	127.18	237.00	91.05	1,736.56	-7,064.31	1,503.43	1,140.25	363.18	4.140		
15,000.00	6,958.77	15,233.11	6,955.53	128.83	239.36	91.14	1,727.17	-7,145.46	1,492.82	1,125.26	367.56	4.061		
15,100.00	6,955.59	15,310.56	6,954.98	130.49	241.61	91.22	1,719.36	-7,222.51	1,483.62	1,111.76	371.86	3.990		
15,200.00	6,952.41	15,395.71	6,954.46	132.14	244.09	91.31	1,711.79	-7,307.33	1,475.62	1,099.42	376.20	3.922		
15,300.00	6,949.23	15,472.22	6,954.07	133.80	246.32	91.39	1,705.96	-7,383.61	1,468.91	1,088.54	380.37	3.862		
15,400.00	6,946.05	15,570.00	6,953.51	135.45	250.11	91.50	1,697.32	-7,480.99	1,461.02	1,075.20	385.82	3.787		
15,484.43	6,943.37	15,570.00	6,953.51	136.85	250.11	91.50	1,697.32	-7,480.99	1,458.58	1,071.13	387.45	3.765	CC	
15,500.00	6,942.87	15,570.00	6,953.51	137.11	250.11	91.50	1,697.32	-7,480.99	1,458.66	1,071.05	387.61	3.763	ES	
15,533.10	6,941.82	15,570.00	6,953.51	137.66	250.11	91.50	1,697.32	-7,480.99	1,459.39	1,071.58	387.81	3.763	SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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)	+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	3.60	588.71	37.03	590.12				
100.00	100.00	88.50	88.50	3.28	3.28	3.59	588.30	36.94	589.49	582.13	7.36	80.142	
190.49	190.49	173.50	173.49	3.30	3.29	3.57	587.82	36.70	588.96	581.58	7.38	79.757	
200.00	200.00	182.26	182.26	3.31	3.29	3.57	587.82	36.66	588.97	581.58	7.39	79.707	
300.00	299.98	280.87	280.87	3.35	3.32	-71.12	588.18	36.44	588.75	581.29	7.46	78.952	
400.00	399.84	379.48	379.48	3.42	3.36	-71.63	588.62	36.35	587.51	579.96	7.56	77.717	
500.00	499.45	479.18	479.17	3.51	3.41	-72.52	589.24	35.96	585.42	577.72	7.70	76.010	
600.00	598.70	579.70	579.69	3.63	3.47	-73.76	589.71	35.62	582.33	574.44	7.89	73.835	
700.00	697.47	676.05	676.04	3.78	3.55	-75.32	590.19	34.96	578.62	570.50	8.11	71.308	
800.00	796.02	774.14	774.12	3.97	3.63	-76.94	591.03	34.83	575.37	566.99	8.39	68.605	
900.00	894.57	872.12	872.09	4.18	3.73	-78.60	591.87	34.38	572.62	563.92	8.70	65.851	
1,000.00	993.12	968.98	968.95	4.41	3.83	-80.31	592.85	33.42	570.57	561.54	9.04	63.149	
1,100.00	1,091.67	1,065.31	1,065.27	4.67	3.94	-82.00	594.14	32.53	569.39	559.99	9.40	60.561	
1,186.83	1,177.23	1,149.36	1,149.29	4.90	4.05	-83.50	595.55	31.64	569.10	559.36	9.74	58.426	
1,200.00	1,190.22	1,162.19	1,162.12	4.94	4.07	-83.72	595.79	31.55	569.10	559.31	9.79	58.112	
1,300.00	1,288.77	1,261.50	1,261.42	5.22	4.20	-85.43	597.64	30.97	569.45	559.24	10.21	55.781	
1,400.00	1,387.32	1,358.94	1,358.84	5.52	4.33	-87.17	599.21	29.81	570.19	559.55	10.64	53.597	
1,500.00	1,485.87	1,456.88	1,456.76	5.82	4.47	-88.85	601.22	29.19	571.76	560.68	11.08	51.585	
1,600.00	1,584.42	1,558.01	1,557.86	6.14	4.63	-90.64	602.93	27.97	573.67	562.12	11.55	49.682	
1,700.00	1,682.97	1,660.88	1,660.71	6.46	4.79	-92.51	603.81	26.28	575.46	563.44	12.02	47.868	
1,800.00	1,781.52	1,759.01	1,758.82	6.79	4.94	-94.37	603.88	24.10	577.30	564.81	12.50	46.198	
1,900.00	1,880.07	1,852.48	1,852.27	6.96	5.10	-96.11	604.40	21.90	580.26	567.65	12.61	46.019	
2,000.00	1,978.62	1,946.75	1,946.49	7.00	5.25	-97.83	605.82	19.64	584.69	571.90	12.80	45.696	
2,100.00	2,077.17	2,043.62	2,043.31	7.06	5.42	-99.54	607.69	17.35	590.07	577.07	13.00	45.374	
2,200.00	2,175.71	2,141.20	2,140.86	7.13	5.59	-101.17	610.01	15.59	596.14	582.90	13.23	45.050	
2,300.00	2,274.26	2,240.82	2,240.42	7.21	5.77	-102.73	612.75	14.40	602.73	589.24	13.48	44.706	
2,400.00	2,372.81	2,341.19	2,340.76	7.31	5.95	-104.20	615.50	14.11	609.30	595.55	13.75	44.317	
2,500.00	2,471.36	2,437.82	2,437.35	7.43	6.12	-105.55	618.39	14.09	616.32	602.30	14.02	43.954	
2,600.00	2,569.91	2,535.11	2,534.59	7.55	6.30	-106.94	621.26	13.24	624.12	609.81	14.31	43.615	
2,700.00	2,668.46	2,634.29	2,633.72	7.69	6.49	-108.27	624.43	13.07	632.11	617.50	14.62	43.249	
2,800.00	2,767.01	2,729.87	2,729.24	7.84	6.67	-109.51	627.73	12.69	640.77	625.85	14.93	42.932	
2,900.00	2,865.56	2,826.73	2,826.03	8.01	6.85	-110.75	631.27	12.04	650.07	634.82	15.25	42.629	
3,000.00	2,964.11	2,922.66	2,921.89	8.18	7.04	-111.98	634.76	10.88	659.99	644.40	15.58	42.356	
3,100.00	3,062.66	3,017.24	3,016.39	8.36	7.22	-113.19	638.35	9.18	670.71	654.79	15.92	42.129	
3,200.00	3,161.21	3,111.90	3,110.95	8.55	7.40	-114.38	642.17	6.90	682.32	666.05	16.27	41.943	
3,300.00	3,259.76	3,209.15	3,208.08	8.76	7.59	-115.57	646.34	4.36	694.55	677.92	16.63	41.763	
3,400.00	3,358.31	3,307.33	3,306.12	8.96	7.79	-116.69	650.92	2.12	707.14	690.13	17.00	41.584	
3,500.00	3,456.86	3,403.26	3,401.92	9.18	7.98	-117.78	655.16	-0.59	720.17	702.79	17.38	41.436	
3,600.00	3,555.41	3,506.39	3,504.92	9.40	8.18	-118.97	659.15	-3.77	733.27	715.49	17.78	41.239	
3,700.00	3,653.96	3,609.99	3,608.43	9.63	8.39	-120.11	662.70	-6.38	745.95	727.76	18.19	41.010	
3,800.00	3,752.51	3,708.69	3,707.05	9.87	8.59	-121.13	666.11	-8.36	758.53	739.94	18.59	40.799	
3,900.00	3,851.06	3,804.97	3,803.26	10.11	8.78	-122.13	669.15	-10.67	771.44	752.45	18.99	40.617	
4,000.00	3,949.61	3,905.48	3,903.68	10.36	8.99	-123.17	671.89	-13.40	784.55	765.14	19.41	40.419	
4,100.00	4,048.16	4,001.73	3,999.86	10.61	9.18	-124.19	674.05	-16.38	797.88	778.06	19.82	40.256	
4,200.00	4,146.71	4,099.34	4,097.40	10.87	9.38	-125.25	675.55	-20.13	811.60	791.37	20.24	40.105	
4,300.00	4,245.26	4,189.86	4,187.82	11.13	9.56	-126.22	677.03	-24.07	826.06	805.42	20.64	40.026	
4,400.00	4,343.81	4,287.85	4,285.68	11.39	9.76	-127.21	679.27	-28.45	841.25	820.19	21.06	39.936	
4,500.00	4,442.36	4,387.06	4,384.77	11.66	9.97	-128.16	681.65	-32.63	856.54	835.04	21.50	39.840	
4,600.00	4,540.91	4,484.47	4,482.08	11.94	10.17	-129.01	684.43	-36.33	871.98	850.05	21.93	39.754	
4,700.00	4,639.46	4,590.39	4,587.88	12.21	10.39	-129.85	688.14	-39.47	887.28	864.88	22.40	39.614	
4,800.00	4,738.01	4,690.63	4,688.04	12.49	10.60	-130.58	691.59	-41.68	902.07	879.22	22.85	39.479	
4,900.00	4,836.56	4,792.74	4,790.07	12.77	10.81	-131.31	694.96	-43.69	916.73	893.42	23.31	39.330	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.00	4,935.11	4,890.70	4,887.96	13.05	11.01	-131.97	698.22	-45.35	931.30	907.54	23.76	39.197	
5,100.00	5,033.66	4,988.61	4,985.80	13.34	11.21	-132.60	701.61	-47.00	946.06	921.85	24.21	39.072	
5,200.00	5,132.21	5,090.47	5,087.59	13.63	11.43	-133.25	704.90	-48.70	960.80	936.12	24.68	38.929	
5,300.00	5,230.76	5,183.12	5,180.19	13.92	11.62	-133.84	707.76	-50.37	975.69	950.56	25.12	38.834	
5,400.00	5,329.30	5,281.03	5,278.02	14.21	11.83	-134.46	710.71	-52.63	991.10	965.51	25.58	38.737	
5,500.00	5,427.85	5,379.34	5,376.27	14.50	12.03	-135.13	712.54	-55.48	1,006.57	980.52	26.05	38.644	
5,600.00	5,526.40	5,473.81	5,470.69	14.80	12.23	-135.80	713.75	-58.67	1,022.32	995.82	26.50	38.579	
5,700.00	5,624.95	5,565.47	5,562.26	15.10	12.42	-136.42	715.39	-62.02	1,038.69	1,011.74	26.95	38.547	
5,800.00	5,723.50	5,658.57	5,655.26	15.40	12.62	-137.03	717.13	-66.01	1,055.78	1,028.38	27.40	38.535	
5,900.00	5,822.05	5,752.71	5,749.29	15.70	12.81	-137.63	719.25	-70.23	1,073.34	1,045.48	27.86	38.532	
6,000.00	5,920.60	5,851.06	5,847.50	16.00	13.02	-138.24	721.27	-75.02	1,091.26	1,062.94	28.33	38.524	
6,100.00	6,019.15	5,951.44	5,947.75	16.31	13.23	-138.87	722.82	-79.79	1,109.00	1,080.20	28.81	38.499	
6,200.00	6,117.70	6,048.61	6,044.80	16.61	13.44	-139.47	724.12	-84.45	1,126.82	1,097.54	29.28	38.489	
6,300.00	6,216.25	6,143.29	6,139.35	16.92	13.64	-140.06	725.11	-89.25	1,144.88	1,115.14	29.74	38.496	
6,400.00	6,314.80	6,236.37	6,232.29	17.22	13.83	-140.60	726.61	-94.13	1,163.42	1,133.22	30.20	38.522	
6,500.00	6,413.35	6,330.27	6,326.04	17.53	14.03	-141.13	728.09	-99.41	1,182.42	1,151.76	30.67	38.557	
6,600.00	6,512.28	6,429.05	6,424.63	17.79	14.24	-124.33	729.95	-105.08	1,199.12	1,168.00	31.11	38.542	
6,700.00	6,612.08	6,534.17	6,529.58	17.94	14.46	-4.70	731.11	-110.90	1,202.09	1,170.59	31.50	38.156	
6,800.00	6,710.50	6,629.26	6,624.52	18.03	14.66	12.36	731.87	-116.33	1,190.66	1,158.84	31.81	37.425	
6,900.00	6,805.12	6,721.02	6,716.11	18.06	14.86	17.61	733.54	-121.61	1,165.46	1,133.39	32.07	36.343	
7,000.00	6,893.62	6,810.79	6,805.70	18.06	15.05	21.71	736.18	-126.57	1,127.03	1,094.75	32.28	34.912	
7,100.00	6,973.81	6,892.76	6,887.50	18.03	15.22	26.43	739.35	-130.88	1,076.47	1,044.02	32.45	33.170	
7,200.00	7,043.73	6,975.23	6,969.80	18.03	15.40	32.96	742.91	-134.74	1,015.10	982.47	32.63	31.107	
7,300.00	7,101.64	7,041.94	7,036.40	18.07	15.54	41.91	745.84	-137.22	944.78	911.99	32.78	28.818	
7,400.00	7,146.13	7,092.02	7,086.39	18.19	15.65	53.66	748.30	-138.71	868.46	835.52	32.93	26.369	
7,500.00	7,176.09	7,128.09	7,122.41	18.41	15.72	67.63	750.17	-139.58	789.26	756.13	33.13	23.824	
7,600.00	7,190.80	7,146.80	7,141.09	18.73	15.76	81.02	751.12	-139.95	710.66	677.26	33.40	21.277	
7,700.00	7,190.87	7,148.89	7,143.17	19.15	15.77	87.91	751.22	-139.99	636.55	602.74	33.81	18.827	
7,800.00	7,187.69	7,147.39	7,141.68	19.71	15.77	87.72	751.15	-139.97	570.31	535.83	34.48	16.540	
7,900.00	7,184.51	7,145.95	7,140.24	20.39	15.76	87.54	751.08	-139.94	515.08	479.60	35.48	14.517	
8,000.00	7,181.33	7,144.55	7,138.84	21.17	15.76	87.36	751.01	-139.91	474.72	437.94	36.78	12.907	
8,100.00	7,178.15	7,143.19	7,137.48	22.06	15.76	87.19	750.94	-139.89	453.22	415.06	38.16	11.876	
8,149.77	7,176.57	7,142.53	7,136.82	22.54	15.75	87.10	750.90	-139.87	450.48	411.70	38.79	11.615 CC, ES	
8,200.00	7,174.98	7,141.87	7,136.17	23.03	15.75	87.02	750.87	-139.86	453.28	413.99	39.29	11.537 SF	
8,300.00	7,171.80	7,140.59	7,134.89	24.08	15.75	86.86	750.81	-139.84	474.87	434.95	39.92	11.897	
8,400.00	7,168.62	7,139.35	7,133.65	25.19	15.75	86.70	750.74	-139.81	515.31	475.26	40.05	12.868	
8,500.00	7,165.44	7,138.14	7,132.44	26.36	15.75	86.55	750.68	-139.79	570.60	530.74	39.85	14.318	
8,600.00	7,162.26	7,136.96	7,131.27	27.59	15.74	86.40	750.62	-139.76	636.88	597.38	39.50	16.124	
8,700.00	7,159.08	7,135.82	7,130.13	28.86	15.74	86.25	750.56	-139.74	711.09	671.98	39.10	18.185	
8,800.00	7,155.90	7,134.71	7,129.02	30.16	15.74	86.11	750.51	-139.72	790.99	752.27	38.72	20.428	
8,900.00	7,152.72	7,133.63	7,127.94	31.50	15.74	85.97	750.45	-139.70	875.04	836.67	38.37	22.803	
9,000.00	7,149.54	7,132.58	7,126.89	32.88	15.73	85.84	750.40	-139.67	962.14	924.07	38.07	25.273	
9,100.00	7,146.36	7,131.55	7,125.86	34.28	15.73	85.71	750.35	-139.65	1,051.54	1,013.73	37.81	27.812	
9,200.00	7,143.18	7,130.55	7,124.87	35.70	15.73	85.58	750.30	-139.63	1,142.70	1,105.11	37.58	30.404	
9,300.00	7,140.00	7,129.58	7,123.89	37.14	15.73	85.46	750.25	-139.61	1,235.22	1,197.83	37.39	33.034	
9,400.00	7,136.82	7,128.63	7,122.95	38.60	15.73	85.34	750.20	-139.59	1,328.83	1,291.60	37.23	35.694	
9,500.00	7,133.64	7,127.70	7,122.02	40.08	15.72	85.22	750.15	-139.57	1,423.31	1,386.22	37.09	38.375	
9,600.00	7,130.46	7,126.80	7,121.12	41.57	15.72	85.10	750.11	-139.55	1,518.49	1,481.52	36.97	41.072	
9,700.00	7,127.28	7,125.92	7,120.24	43.08	15.72	84.99	750.06	-139.53	1,614.26	1,577.39	36.87	43.781	
9,800.00	7,124.10	7,125.06	7,119.38	44.59	15.72	84.88	750.02	-139.51	1,710.51	1,673.72	36.79	46.498	
9,900.00	7,120.92	7,124.22	7,118.55	46.12	15.72	84.78	749.97	-139.50	1,807.16	1,770.45	36.72	49.221	
10,000.00	7,117.74	7,123.40	7,117.73	47.66	15.71	84.67	749.93	-139.48	1,904.16	1,867.51	36.66	51.946	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.00	7,114.57	7,122.60	7,116.93	49.20	15.71	84.57	749.89	-139.46	2,001.46	1,964.85	36.61	54.673	
10,200.00	7,111.39	7,121.82	7,116.15	50.76	15.71	84.47	749.85	-139.44	2,099.01	2,062.44	36.57	57.399	
10,300.00	7,108.21	7,121.06	7,115.38	52.32	15.71	84.38	749.81	-139.43	2,196.78	2,160.24	36.54	60.123	
10,400.00	7,105.03	7,120.31	7,114.64	53.88	15.71	84.28	749.77	-139.41	2,294.74	2,258.23	36.52	62.843	
10,500.00	7,101.85	7,119.58	7,113.91	55.46	15.71	84.19	749.74	-139.39	2,392.87	2,356.37	36.50	65.559	
10,600.00	7,098.67	7,118.86	7,113.19	57.04	15.70	84.10	749.70	-139.38	2,491.15	2,454.66	36.49	68.270	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
3,500.00	3,456.86	4,500.00	4,257.28	9.18	18.39	-105.42	2,201.79	-579.31	2,483.63	2,458.91	24.72	100.471		
3,600.00	3,555.41	4,552.34	4,305.39	9.40	18.65	-105.91	2,181.25	-581.07	2,453.64	2,428.39	25.24	97.197		
3,700.00	3,653.96	4,600.00	4,349.36	9.63	18.89	-106.36	2,162.97	-582.99	2,425.37	2,399.60	25.76	94.145		
3,800.00	3,752.51	4,657.98	4,403.13	9.87	19.17	-106.91	2,141.44	-585.72	2,398.95	2,372.63	26.32	91.162		
3,900.00	3,851.06	4,711.39	4,452.95	10.11	19.43	-107.42	2,122.44	-588.60	2,374.58	2,347.72	26.86	88.406		
4,000.00	3,949.61	4,780.24	4,517.50	10.36	19.76	-108.08	2,098.77	-592.32	2,351.83	2,324.37	27.46	85.660		
4,100.00	4,048.16	4,847.85	4,581.18	10.61	20.07	-108.71	2,076.31	-595.75	2,330.50	2,302.45	28.05	83.086		
4,200.00	4,146.71	4,919.12	4,648.67	10.87	20.40	-109.37	2,053.64	-598.99	2,310.64	2,281.98	28.66	80.633		
4,300.00	4,245.26	5,003.08	4,728.45	11.13	20.77	-110.14	2,027.68	-602.34	2,291.81	2,262.51	29.30	78.207		
4,400.00	4,343.81	5,089.77	4,792.03	11.39	21.06	-110.75	2,007.73	-604.82	2,274.21	2,244.31	29.90	76.066		
4,500.00	4,442.36	5,141.26	4,860.46	11.66	21.37	-111.39	1,987.21	-607.44	2,258.09	2,227.58	30.51	74.017		
4,600.00	4,540.91	5,213.45	4,929.78	11.94	21.68	-112.03	1,967.24	-610.00	2,243.27	2,212.15	31.12	72.086		
4,700.00	4,639.46	5,276.53	4,990.66	12.21	21.94	-112.58	1,950.83	-612.01	2,230.06	2,198.37	31.70	70.358		
4,800.00	4,738.01	5,339.90	5,052.14	12.49	22.19	-113.11	1,935.55	-613.77	2,218.61	2,186.34	32.27	68.759		
4,900.00	4,836.56	5,400.00	5,110.68	12.77	22.43	-113.59	1,922.09	-615.38	2,208.91	2,176.09	32.82	67.304		
5,000.00	4,935.11	5,469.01	5,178.17	13.05	22.69	-114.14	1,907.80	-617.22	2,200.93	2,167.54	33.39	65.906		
5,100.00	5,033.66	5,534.41	5,242.35	13.34	22.93	-114.64	1,895.36	-619.00	2,194.64	2,160.69	33.95	64.641		
5,200.00	5,132.21	5,600.00	5,306.92	13.63	23.16	-115.13	1,883.97	-620.87	2,190.05	2,155.55	34.50	63.477		
5,300.00	5,230.76	5,668.29	5,374.33	13.92	23.39	-115.62	1,873.24	-622.85	2,187.09	2,152.03	35.05	62.397		
5,400.00	5,329.30	5,738.18	5,443.49	14.21	23.62	-116.11	1,863.41	-624.86	2,185.66	2,150.06	35.60	61.396		
5,448.47	5,377.07	5,772.60	5,477.62	14.35	23.73	-116.34	1,858.96	-625.86	2,185.49	2,149.62	35.86	60.937		
5,500.00	5,427.85	5,808.84	5,513.57	14.50	23.85	-116.58	1,854.54	-626.92	2,185.68	2,149.54	36.14	60.473		
5,600.00	5,526.40	5,876.79	5,581.08	14.80	24.06	-117.02	1,847.14	-628.92	2,187.22	2,150.55	36.67	59.653		
5,700.00	5,624.95	5,963.69	5,667.57	15.10	24.32	-117.55	1,839.06	-631.32	2,190.02	2,152.77	37.25	58.787		
5,800.00	5,723.50	6,052.07	5,755.61	15.40	24.58	-118.06	1,831.55	-633.25	2,193.29	2,155.45	37.84	57.960		
5,900.00	5,822.05	6,133.96	5,837.21	15.70	24.82	-118.54	1,824.98	-635.36	2,197.38	2,158.97	38.40	57.219		
6,000.00	5,920.60	6,211.89	5,914.86	16.00	25.05	-119.00	1,818.90	-638.06	2,202.45	2,163.50	38.95	56.548		
6,100.00	6,019.15	6,280.76	5,983.49	16.31	25.24	-119.40	1,814.05	-641.02	2,208.84	2,169.39	39.45	55.990		
6,200.00	6,117.70	6,359.57	6,062.06	16.61	25.46	-119.86	1,809.31	-644.87	2,216.55	2,176.56	39.99	55.433		
6,300.00	6,216.25	6,538.20	6,240.36	16.92	25.83	-120.70	1,801.04	-645.17	2,221.35	2,180.59	40.77	54.489		
6,400.00	6,314.80	6,600.00	6,302.12	17.22	25.88	-120.88	1,801.56	-643.23	2,227.86	2,186.77	41.10	54.211		
6,500.00	6,413.35	6,629.98	6,332.08	17.53	25.86	-120.97	1,802.55	-642.57	2,236.34	2,195.01	41.32	54.117		
6,600.00	6,512.28	6,715.73	6,417.76	17.79	25.83	-103.80	1,805.54	-641.05	2,244.18	2,202.64	41.54	54.021		
6,700.00	6,612.08	6,800.00	6,501.97	17.94	25.80	16.32	1,808.62	-640.03	2,242.06	2,200.40	41.66	53.822		
6,800.00	6,710.50	6,851.07	6,552.98	18.03	25.78	33.85	1,810.97	-639.94	2,230.04	2,188.39	41.65	53.543		
6,900.00	6,805.12	6,900.00	6,601.81	18.06	25.76	39.45	1,814.06	-640.61	2,209.23	2,167.68	41.55	53.172		
7,000.00	6,893.62	7,151.89	6,853.52	18.06	25.97	45.81	1,820.31	-643.29	2,175.51	2,133.50	42.01	51.785		
7,100.00	6,973.81	7,254.31	6,955.92	18.03	26.16	51.79	1,818.69	-642.13	2,129.62	2,087.49	42.13	50.548		
7,200.00	7,043.73	7,323.21	7,024.81	18.03	26.34	58.41	1,817.50	-641.22	2,076.88	2,034.69	42.19	49.226		
7,300.00	7,101.64	7,380.00	7,081.58	18.07	26.61	65.90	1,816.51	-640.47	2,019.39	1,977.04	42.34	47.692		
7,400.00	7,146.13	7,423.27	7,124.84	18.19	26.92	73.88	1,815.76	-639.90	1,959.31	1,916.74	42.56	46.033		
7,500.00	7,176.09	7,451.95	7,153.52	18.41	27.19	81.73	1,815.27	-639.52	1,898.90	1,856.11	42.79	44.378		
7,600.00	7,190.80	7,465.34	7,166.91	18.73	27.31	88.77	1,815.03	-639.34	1,840.39	1,797.46	42.94	42.863		
7,700.00	7,190.87	7,464.11	7,165.67	19.15	27.30	92.59	1,815.06	-639.36	1,785.74	1,742.71	43.03	41.501		
7,800.00	7,187.69	7,459.62	7,161.18	19.71	27.26	92.42	1,815.13	-639.42	1,735.31	1,692.08	43.23	40.142		
7,900.00	7,184.51	7,455.13	7,156.70	20.39	27.22	92.25	1,815.21	-639.47	1,689.30	1,645.72	43.58	38.765		
8,000.00	7,181.33	7,450.64	7,152.21	21.17	27.18	92.08	1,815.29	-639.53	1,648.06	1,603.98	44.08	37.390		
8,100.00	7,178.15	7,446.15	7,147.72	22.06	27.13	91.91	1,815.37	-639.59	1,611.97	1,567.24	44.73	36.040		
8,200.00	7,174.98	7,441.67	7,143.24	23.03	27.09	91.74	1,815.45	-639.65	1,581.37	1,535.85	45.52	34.743		
8,300.00	7,171.80	7,437.18	7,138.75	24.08	27.05	91.57	1,815.52	-639.71	1,556.60	1,510.17	46.43	33.526		
8,400.00	7,168.62	7,432.69	7,134.26	25.19	27.01	91.41	1,815.60	-639.77	1,537.92	1,490.48	47.45	32.414		
8,500.00	7,165.44	7,428.20	7,129.77	26.36	26.97	91.24	1,815.68	-639.83	1,525.57	1,477.03	48.54	31.427		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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 22-5 - Noble Energy PR Well - Actual Coretech Surveys (										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		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							
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
8,600.00	7,162.26	7,423.71	7,125.29	27.59	26.93	91.07	1,815.76	-639.89	1,519.71	1,470.01	49.70	30.581	
8,639.51	7,161.00	7,421.94	7,123.51	28.09	26.91	91.00	1,815.79	-639.91	1,519.20	1,469.03	50.16	30.284	CC, ES
8,700.00	7,159.08	7,419.23	7,120.80	28.86	26.89	90.90	1,815.83	-639.95	1,520.40	1,469.52	50.88	29.884	
8,800.00	7,155.90	7,414.74	7,116.31	30.16	26.84	90.73	1,815.91	-640.01	1,527.63	1,475.57	52.06	29.343	
8,900.00	7,152.72	7,410.25	7,111.83	31.50	26.80	90.56	1,815.99	-640.07	1,541.32	1,488.10	53.23	28.958	
9,000.00	7,149.54	7,405.76	7,107.34	32.88	26.76	90.39	1,816.07	-640.13	1,561.30	1,506.95	54.35	28.728	
9,100.00	7,146.36	7,401.27	7,102.85	34.28	26.72	90.22	1,816.15	-640.19	1,587.32	1,531.91	55.41	28.646	SF
9,200.00	7,143.18	7,403.22	7,098.37	35.70	26.74	90.05	1,816.22	-640.25	1,619.10	1,562.62	56.48	28.668	
9,300.00	7,140.00	7,407.70	7,093.88	37.14	26.78	89.88	1,816.30	-640.31	1,656.30	1,598.81	57.49	28.811	
9,400.00	7,136.82	7,387.81	7,089.39	38.60	26.65	89.71	1,816.38	-640.37	1,698.57	1,640.36	58.21	29.182	
9,500.00	7,133.64	7,383.32	7,084.90	40.08	26.63	89.55	1,816.46	-640.43	1,745.54	1,686.57	58.97	29.602	
9,600.00	7,130.46	7,378.83	7,080.42	41.57	26.61	89.38	1,816.53	-640.49	1,796.84	1,737.20	59.64	30.126	
9,700.00	7,127.28	7,374.34	7,075.93	43.08	26.59	89.21	1,816.61	-640.54	1,852.11	1,791.88	60.24	30.747	
9,800.00	7,124.10	7,369.86	7,071.44	44.59	26.57	89.04	1,816.69	-640.60	1,911.02	1,850.26	60.76	31.454	
9,900.00	7,120.92	7,365.37	7,066.96	46.12	26.54	88.87	1,816.77	-640.66	1,973.22	1,912.01	61.20	32.240	
10,000.00	7,117.74	7,360.88	7,062.47	47.66	26.52	88.70	1,816.85	-640.72	2,038.42	1,976.83	61.59	33.098	
10,100.00	7,114.57	7,356.39	7,057.98	49.20	26.50	88.53	1,816.92	-640.78	2,106.35	2,044.43	61.91	34.020	
10,200.00	7,111.39	7,351.90	7,053.50	50.76	26.48	88.36	1,817.00	-640.84	2,176.74	2,114.54	62.19	35.001	
10,300.00	7,108.21	7,347.42	7,049.01	52.32	26.46	88.19	1,817.08	-640.90	2,249.36	2,186.94	62.42	36.033	
10,400.00	7,105.03	7,342.93	7,044.52	53.88	26.44	88.03	1,817.16	-640.96	2,324.01	2,261.39	62.62	37.114	
10,500.00	7,101.85	7,338.44	7,040.03	55.46	26.42	87.86	1,817.23	-641.02	2,400.50	2,337.72	62.78	38.237	
10,600.00	7,098.67	7,333.95	7,035.55	57.04	26.39	87.69	1,817.31	-641.08	2,478.66	2,415.74	62.91	39.399	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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				
3,100.00	3,062.66	4,273.08	4,007.97	8.36	18.62	-82.81	2,363.62	285.26	2,464.28	2,440.87	23.42	105.237				
3,200.00	3,161.21	4,357.90	4,084.42	8.55	19.07	-82.85	2,330.73	301.63	2,421.17	2,397.24	23.93	101.165				
3,300.00	3,259.76	3,300.00	4,199.33	8.76	13.33	-82.88	2,279.44	327.70	2,376.70	2,356.75	19.95	119.161				
3,400.00	3,358.31	4,570.12	4,273.83	8.96	20.24	-82.89	2,245.41	344.97	2,331.61	2,306.51	25.10	92.901				
3,500.00	3,456.86	3,500.00	4,373.19	9.18	14.33	-82.90	2,200.07	368.39	2,286.48	2,265.43	21.05	108.645				
3,600.00	3,555.41	4,754.87	4,437.88	9.40	21.27	-82.89	2,170.06	384.22	2,240.89	2,214.65	26.24	85.400				
3,700.00	3,653.96	4,800.00	4,478.16	9.63	21.52	-82.88	2,152.37	394.24	2,197.01	2,170.28	26.72	82.216				
3,800.00	3,752.51	4,858.63	4,530.89	9.87	21.83	-82.86	2,130.35	407.35	2,154.69	2,127.45	27.24	79.103				
3,900.00	3,851.06	4,924.69	4,590.72	10.11	22.19	-82.83	2,106.48	422.02	2,113.73	2,085.95	27.78	76.097				
4,000.00	3,949.61	5,021.63	4,678.88	10.36	22.70	-82.83	2,071.69	442.37	2,073.25	2,044.86	28.39	73.036				
4,100.00	4,048.16	5,132.87	4,779.76	10.61	23.29	-82.87	2,030.27	464.29	2,031.52	2,002.49	29.02	70.001				
4,200.00	4,146.71	5,200.00	4,840.84	10.87	23.65	-82.91	2,005.58	477.23	1,990.39	1,960.82	29.57	67.318				
4,300.00	4,245.26	5,264.52	4,899.87	11.13	23.98	-82.95	1,982.60	489.46	1,950.43	1,920.32	30.11	64.782				
4,400.00	4,343.81	5,300.00	4,932.48	11.39	24.16	-82.98	1,970.29	496.06	1,912.07	1,881.48	30.58	62.521				
4,500.00	4,442.36	5,349.75	4,978.73	11.66	24.40	-83.03	1,954.21	504.85	1,876.00	1,844.92	31.08	60.367				
4,600.00	4,540.91	5,400.00	5,026.26	11.94	24.64	-83.10	1,940.02	512.89	1,843.23	1,811.66	31.56	58.400				
4,700.00	4,639.46	5,428.70	5,053.67	12.21	24.76	-83.15	1,932.71	517.18	1,813.06	1,781.10	31.97	56.715				
4,800.00	4,738.01	5,479.25	5,102.26	12.49	24.97	-83.25	1,920.76	524.37	1,785.55	1,753.13	32.42	55.078				
4,900.00	4,836.56	5,538.86	5,159.96	12.77	25.21	-83.38	1,908.02	532.24	1,760.36	1,727.48	32.88	53.534				
5,000.00	4,935.11	5,600.00	5,219.43	13.05	25.45	-83.54	1,895.88	539.56	1,736.99	1,703.65	33.34	52.100				
5,100.00	5,033.66	5,676.99	5,294.66	13.34	25.74	-83.78	1,881.65	547.65	1,715.19	1,681.35	33.84	50.690				
5,200.00	5,132.21	5,748.68	5,365.00	13.63	25.99	-84.04	1,869.34	554.06	1,694.89	1,660.59	34.30	49.411				
5,300.00	5,230.76	5,800.00	5,415.49	13.92	26.17	-84.25	1,861.09	557.98	1,676.32	1,641.65	34.67	48.345				
5,400.00	5,329.30	5,867.92	5,482.61	14.21	26.39	-84.56	1,851.54	562.01	1,659.93	1,624.84	35.09	47.311				
5,500.00	5,427.85	5,934.46	5,548.67	14.50	26.58	-84.92	1,843.96	564.37	1,646.26	1,610.80	35.47	46.419				
5,600.00	5,526.40	6,014.63	5,628.36	14.80	26.79	-85.43	1,835.20	564.80	1,633.83	1,597.96	35.87	45.548				
5,700.00	5,624.95	6,075.10	5,688.55	15.10	26.93	-85.86	1,829.49	563.86	1,623.38	1,587.23	36.16	44.896				
5,800.00	5,723.50	6,135.74	5,749.01	15.40	27.05	-86.31	1,825.05	562.27	1,615.41	1,579.00	36.42	44.359				
5,900.00	5,822.05	6,200.00	5,813.17	15.70	27.17	-86.78	1,821.89	560.64	1,609.93	1,573.27	36.67	43.906				
6,000.00	5,920.60	6,274.46	5,887.59	16.00	27.30	-87.28	1,819.74	559.54	1,606.45	1,569.47	36.98	43.437				
6,100.00	6,019.15	6,354.93	5,968.05	16.31	27.46	-87.78	1,818.64	559.58	1,604.34	1,566.98	37.36	42.946				
6,200.00	6,117.70	6,435.83	6,048.94	16.61	27.59	-88.26	1,818.45	559.69	1,603.48	1,565.79	37.69	42.539				
6,217.04	6,134.50	6,449.54	6,062.65	16.66	27.60	-88.35	1,818.49	559.65	1,603.46	1,565.72	37.74	42.486				
6,300.00	6,216.25	6,516.23	6,129.34	16.92	27.64	-88.77	1,819.01	559.10	1,603.91	1,565.97	37.94	42.276				
6,400.00	6,314.80	6,596.61	6,209.70	17.22	27.62	-89.29	1,820.32	557.76	1,605.64	1,567.55	38.09	42.156				
6,500.00	6,413.35	6,672.05	6,285.08	17.53	27.59	-89.80	1,822.27	555.57	1,608.82	1,570.61	38.21	42.103				
6,600.00	6,512.28	6,837.77	6,450.69	17.79	27.60	-73.14	1,825.36	551.32	1,611.04	1,572.32	38.72	41.607				
6,700.00	6,612.08	6,967.49	6,580.39	17.94	27.83	47.31	1,823.44	552.19	1,604.72	1,565.45	39.27	40.865				
6,800.00	6,710.50	7,060.03	6,672.91	18.03	28.04	65.39	1,822.09	553.78	1,594.17	1,554.53	39.64	40.213				
6,900.00	6,805.12	7,156.37	6,769.20	18.06	28.24	71.70	1,821.34	556.82	1,580.49	1,540.45	40.04	39.471				
7,000.00	6,893.62	7,253.31	6,866.09	18.06	28.46	76.54	1,819.97	559.61	1,564.16	1,523.67	40.49	38.634				
7,100.00	6,973.81	7,336.19	6,948.92	18.03	28.64	80.89	1,818.34	561.92	1,546.89	1,506.00	40.90	37.825				
7,200.00	7,043.73	7,404.02	7,016.71	18.03	28.77	84.75	1,816.95	563.81	1,530.96	1,489.65	41.32	37.053				
7,300.00	7,101.64	7,459.59	7,072.25	18.07	29.01	87.99	1,815.82	565.36	1,518.39	1,476.40	42.00	36.155				
7,400.00	7,146.13	7,501.54	7,114.17	18.19	29.20	90.32	1,814.96	566.52	1,511.00	1,468.26	42.74	35.353				
7,461.51	7,166.34	7,520.10	7,132.72	18.32	29.35	91.20	1,814.58	567.04	1,509.66	1,466.33	43.33	34.843 CC, ES				
7,500.00	7,176.09	7,528.82	7,141.43	18.41	29.43	91.52	1,814.40	567.28	1,510.20	1,466.53	43.67	34.581				
7,600.00	7,190.80	7,540.76	7,153.37	18.73	29.53	91.43	1,814.15	567.62	1,516.84	1,472.28	44.56	34.037				
7,700.00	7,190.87	7,538.07	7,150.67	19.15	29.51	90.58	1,814.21	567.54	1,530.97	1,485.57	45.40	33.723				
7,800.00	7,187.69	7,532.12	7,144.74	19.71	29.46	90.36	1,814.33	567.38	1,551.60	1,505.30	46.30	33.513				
7,900.00	7,184.51	7,526.18	7,138.80	20.39	29.41	90.13	1,814.45	567.21	1,578.28	1,531.03	47.26	33.398				
8,000.00	7,181.33	7,520.24	7,132.86	21.17	29.36	89.90	1,814.57	567.05	1,610.72	1,562.48	48.24	33.389 SF				



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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, 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	7,178.15	7,514.30	7,126.92	22.06	29.30	89.68	1,814.70	566.88	1,648.58	1,599.36	49.22	33.495	
8,200.00	7,174.98	7,508.35	7,120.98	23.03	29.25	89.45	1,814.82	566.71	1,691.48	1,641.32	50.17	33.716	
8,300.00	7,171.80	7,502.41	7,115.04	24.08	29.20	89.23	1,814.94	566.55	1,739.07	1,688.00	51.07	34.051	
8,400.00	7,168.62	7,503.53	7,109.10	25.19	29.21	89.00	1,815.06	566.38	1,790.96	1,738.98	51.98	34.454	
8,500.00	7,165.44	7,509.48	7,103.16	26.36	29.26	88.78	1,815.18	566.22	1,846.79	1,793.92	52.87	34.933	
8,600.00	7,162.26	7,484.58	7,097.22	27.59	29.12	88.55	1,815.30	566.05	1,906.22	1,852.73	53.48	35.642	
8,700.00	7,159.08	7,478.64	7,091.28	28.86	29.09	88.33	1,815.43	565.89	1,968.91	1,914.75	54.16	36.355	
8,800.00	7,155.90	7,472.69	7,085.34	30.16	29.07	88.10	1,815.55	565.72	2,034.58	1,979.81	54.77	37.147	
8,900.00	7,152.72	7,466.75	7,079.40	31.50	29.04	87.88	1,815.67	565.56	2,102.93	2,047.61	55.32	38.011	
9,000.00	7,149.54	7,460.81	7,073.46	32.88	29.01	87.65	1,815.79	565.39	2,173.72	2,117.90	55.82	38.940	
9,100.00	7,146.36	7,454.87	7,067.52	34.28	28.99	87.43	1,815.91	565.23	2,246.72	2,190.45	56.27	39.928	
9,200.00	7,143.18	7,448.92	7,061.58	35.70	28.96	87.20	1,816.03	565.06	2,321.71	2,265.04	56.67	40.968	
9,300.00	7,140.00	7,442.98	7,055.64	37.14	28.94	86.98	1,816.16	564.89	2,398.52	2,341.48	57.03	42.056	
9,400.00	7,136.82	7,437.04	7,049.70	38.60	28.91	86.76	1,816.28	564.73	2,476.96	2,419.61	57.35	43.187	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	2.00	2.00	3.28	3.28	-89.80	4.04	-1,179.62	1,179.63				
100.00	100.00	102.00	102.00	3.28	3.28	-89.80	4.04	-1,179.62	1,179.63	1,172.10	7.53	156.676	
200.00	200.00	202.00	202.00	3.31	3.31	-89.80	4.04	-1,179.62	1,179.63	1,172.05	7.57	155.735	
300.00	299.98	303.18	303.18	3.35	3.35	-164.32	4.04	-1,179.62	1,181.31	1,173.64	7.66	154.134	
400.00	399.84	464.13	464.04	3.42	3.47	-164.33	5.89	-1,175.30	1,183.67	1,175.84	7.83	151.108	
500.00	499.45	625.21	624.51	3.51	3.64	-164.24	11.31	-1,162.68	1,184.23	1,176.18	8.06	146.950	
600.00	598.70	786.16	783.83	3.63	3.89	-164.07	20.28	-1,141.81	1,183.01	1,174.66	8.35	141.749	
700.00	697.47	935.69	930.50	3.78	4.20	-163.82	31.74	-1,115.14	1,180.06	1,171.37	8.69	135.810	
800.00	796.02	1,035.56	1,028.05	3.97	4.45	-163.63	40.17	-1,095.51	1,176.73	1,167.69	9.04	130.124	
900.00	894.57	1,135.42	1,125.61	4.18	4.73	-163.44	48.60	-1,075.88	1,173.42	1,163.98	9.43	124.381	
1,000.00	993.12	1,235.29	1,223.16	4.41	5.04	-163.24	57.03	-1,056.26	1,170.11	1,160.25	9.86	118.705	
1,100.00	1,091.67	1,335.15	1,320.72	4.67	5.36	-163.04	65.46	-1,036.63	1,166.82	1,156.51	10.31	113.183	
1,200.00	1,190.22	1,435.02	1,418.27	4.94	5.69	-162.85	73.89	-1,017.01	1,163.54	1,152.76	10.78	107.908	
1,300.00	1,288.77	1,534.88	1,515.83	5.22	6.04	-162.65	82.32	-997.38	1,160.28	1,149.00	11.28	102.859	
1,400.00	1,387.32	1,634.75	1,613.38	5.52	6.40	-162.45	90.75	-977.76	1,157.03	1,145.24	11.80	98.087	
1,500.00	1,485.87	1,734.61	1,710.94	5.82	6.76	-162.25	99.18	-958.13	1,153.80	1,141.47	12.33	93.595	
1,600.00	1,584.42	1,834.48	1,808.49	6.14	7.08	-162.05	107.61	-938.51	1,150.58	1,137.93	12.65	90.936	
1,700.00	1,682.97	1,934.35	1,906.04	6.46	7.23	-161.84	116.04	-918.88	1,147.37	1,134.35	13.02	88.108	
1,800.00	1,781.52	2,034.21	2,003.60	6.79	7.29	-161.64	124.47	-899.26	1,144.18	1,130.86	13.32	85.901	
1,900.00	1,880.07	2,134.08	2,101.15	6.96	7.36	-161.43	132.90	-879.63	1,141.00	1,127.71	13.30	85.803	
2,000.00	1,978.62	2,233.94	2,198.71	7.00	7.45	-161.23	141.33	-860.01	1,137.84	1,124.46	13.38	85.015	
2,100.00	2,077.17	2,333.81	2,296.26	7.06	7.56	-161.02	149.77	-840.38	1,134.70	1,121.19	13.50	84.039	
2,200.00	2,175.71	2,433.67	2,393.82	7.13	7.68	-160.81	158.20	-820.75	1,131.56	1,117.91	13.65	82.893	
2,300.00	2,274.26	2,533.54	2,491.37	7.21	7.82	-160.60	166.63	-801.13	1,128.45	1,114.62	13.83	81.595	
2,400.00	2,372.81	2,633.40	2,588.93	7.31	7.97	-160.39	175.06	-781.50	1,125.34	1,111.31	14.04	80.166	
2,500.00	2,471.36	2,733.27	2,686.48	7.43	8.14	-160.18	183.49	-761.88	1,122.26	1,107.99	14.27	78.627	
2,600.00	2,569.91	2,833.14	2,784.04	7.55	8.32	-159.96	191.92	-742.25	1,119.19	1,104.65	14.53	77.000	
2,700.00	2,668.46	2,933.00	2,881.59	7.69	8.51	-159.75	200.35	-722.63	1,116.13	1,101.31	14.82	75.306	
2,800.00	2,767.01	3,032.87	2,979.14	7.84	8.72	-159.53	208.78	-703.00	1,113.09	1,097.96	15.13	73.562	
2,900.00	2,865.56	3,132.73	3,076.70	8.01	8.93	-159.31	217.21	-683.38	1,110.07	1,094.61	15.46	71.787	
3,000.00	2,964.11	3,232.60	3,174.25	8.18	9.16	-159.10	225.64	-663.75	1,107.06	1,091.25	15.82	69.997	
3,100.00	3,062.66	3,332.46	3,271.81	8.36	9.39	-158.88	234.07	-644.13	1,104.07	1,087.88	16.19	68.204	
3,200.00	3,161.21	3,432.33	3,369.36	8.55	9.63	-158.66	242.50	-624.50	1,101.10	1,084.52	16.58	66.420	
3,300.00	3,259.76	3,532.19	3,466.92	8.76	9.88	-158.43	250.93	-604.88	1,098.14	1,081.15	16.98	64.655	
3,400.00	3,358.31	3,632.06	3,564.47	8.96	10.13	-158.21	259.36	-585.25	1,095.20	1,077.79	17.41	62.918	
3,500.00	3,456.86	3,731.92	3,662.03	9.18	10.40	-157.99	267.79	-565.63	1,092.27	1,074.43	17.84	61.214	
3,600.00	3,555.41	3,831.79	3,759.58	9.40	10.67	-157.76	276.22	-546.00	1,089.36	1,071.07	18.29	59.549	
3,700.00	3,653.96	3,931.66	3,857.14	9.63	10.94	-157.54	284.66	-526.37	1,086.47	1,067.71	18.76	57.925	
3,800.00	3,752.51	4,031.52	3,954.69	9.87	11.22	-157.31	293.09	-506.75	1,083.60	1,064.36	19.23	56.347	
3,900.00	3,851.06	4,131.39	4,052.24	10.11	11.51	-157.08	301.52	-487.12	1,080.74	1,061.02	19.72	54.816	
4,000.00	3,949.61	4,231.25	4,149.80	10.36	11.80	-156.85	309.95	-467.50	1,077.90	1,057.69	20.21	53.332	
4,100.00	4,048.16	4,331.12	4,247.35	10.61	12.09	-156.62	318.38	-447.87	1,075.08	1,054.36	20.72	51.897	
4,200.00	4,146.71	4,430.98	4,344.91	10.87	12.39	-156.39	326.81	-428.25	1,072.27	1,051.04	21.23	50.510	
4,300.00	4,245.26	4,530.85	4,442.46	11.13	12.69	-156.15	335.24	-408.62	1,069.48	1,047.73	21.75	49.171	
4,400.00	4,343.81	4,630.71	4,540.02	11.39	12.99	-155.92	343.67	-389.00	1,066.71	1,044.44	22.28	47.880	
4,500.00	4,442.36	4,730.58	4,637.57	11.66	13.30	-155.68	352.10	-369.37	1,063.96	1,041.15	22.81	46.634	
4,600.00	4,540.91	4,830.45	4,735.13	11.94	13.61	-155.44	360.53	-349.75	1,061.23	1,037.87	23.36	45.434	
4,700.00	4,639.46	4,930.31	4,832.68	12.21	13.92	-155.20	368.96	-330.12	1,058.52	1,034.61	23.91	44.278	
4,800.00	4,738.01	5,030.18	4,930.24	12.49	14.24	-154.96	377.39	-310.50	1,055.82	1,031.36	24.46	43.164	
4,900.00	4,836.56	5,130.04	5,027.79	12.77	14.56	-154.72	385.82	-290.87	1,053.14	1,028.12	25.02	42.091	
5,000.00	4,935.11	5,229.91	5,125.34	13.05	14.88	-154.48	394.25	-271.25	1,050.48	1,024.90	25.59	41.057	
5,100.00	5,033.66	5,329.77	5,222.90	13.34	15.20	-154.24	402.68	-251.62	1,047.84	1,021.69	26.16	40.061	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,200.00	5,132.21	5,429.64	5,320.45	13.63	15.53	-153.99	411.11	-231.99	1,045.22	1,018.49	26.73	39.102		
5,300.00	5,230.76	5,529.50	5,418.01	13.92	15.85	-153.75	419.54	-212.37	1,042.62	1,015.31	27.31	38.178		
5,400.00	5,329.30	5,629.37	5,515.56	14.21	16.18	-153.50	427.98	-192.74	1,040.04	1,012.15	27.89	37.288		
5,500.00	5,427.85	5,729.24	5,613.12	14.50	16.51	-153.25	436.41	-173.12	1,037.48	1,009.00	28.48	36.430		
5,600.00	5,526.40	5,829.10	5,710.67	14.80	16.84	-153.00	444.84	-153.49	1,034.94	1,005.87	29.07	35.602		
5,700.00	5,624.95	5,928.97	5,808.23	15.10	17.18	-152.75	453.27	-133.87	1,032.41	1,002.75	29.66	34.805		
5,800.00	5,723.50	6,028.83	5,905.78	15.40	17.51	-152.50	461.70	-114.24	1,029.91	999.65	30.26	34.035		
5,900.00	5,822.05	6,128.70	6,003.34	15.70	17.85	-152.25	470.13	-94.62	1,027.43	996.56	30.86	33.293		
6,000.00	5,920.60	6,228.56	6,100.89	16.00	18.19	-151.99	478.56	-74.99	1,024.96	993.50	31.46	32.576		
6,100.00	6,019.15	6,328.43	6,198.44	16.31	18.52	-151.73	486.99	-55.37	1,022.52	990.45	32.07	31.884		
6,200.00	6,117.70	6,428.29	6,296.00	16.61	18.86	-151.48	495.42	-35.74	1,020.10	987.42	32.68	31.216		
6,300.00	6,216.25	6,528.16	6,393.55	16.92	19.20	-151.22	503.85	-16.12	1,017.70	984.41	33.29	30.570		
6,400.00	6,314.80	6,628.02	6,491.11	17.22	19.54	-150.96	512.28	3.51	1,015.32	981.41	33.90	29.946		
6,500.00	6,413.35	6,727.33	6,588.44	17.53	19.88	-150.69	520.81	23.99	1,012.94	978.41	34.51	29.322		
6,600.00	6,512.28	6,826.19	6,685.33	17.84	20.22	-150.42	529.42	34.46	1,010.56	975.41	35.12	28.698		
6,700.00	6,612.08	6,925.04	6,784.22	18.15	20.56	-150.15	538.11	44.93	1,008.17	972.41	35.73	28.074		
6,800.00	6,710.50	7,023.89	6,883.11	18.46	20.90	-149.88	546.88	55.40	1,005.78	969.41	36.34	27.450		
6,900.00	6,805.12	7,122.74	6,982.00	18.77	21.24	-149.61	555.71	65.87	1,003.39	966.41	36.95	26.826		
7,000.00	6,893.62	7,221.59	7,080.89	19.08	21.58	-149.34	564.60	76.34	1,001.00	963.41	37.56	26.202		
7,100.00	6,973.81	7,320.44	7,179.78	19.39	21.92	-149.07	573.53	86.81	998.61	960.41	38.17	25.578		
7,200.00	7,043.73	7,419.29	7,278.67	19.70	22.26	-148.80	582.51	97.28	996.22	957.41	38.78	24.954		
7,300.00	7,101.64	7,518.14	7,377.56	20.01	22.60	-148.53	591.54	107.75	993.83	954.41	39.39	24.330		
7,400.00	7,146.13	7,617.00	7,476.45	20.32	22.94	-148.26	600.62	118.22	991.44	951.41	39.99	23.706		
7,500.00	7,176.09	7,715.85	7,575.34	20.63	23.28	-147.99	609.75	128.69	989.05	948.41	40.60	23.082		
7,600.00	7,190.80	7,814.70	7,674.23	20.94	23.62	-147.72	618.92	139.16	986.66	945.41	41.21	22.458		
7,700.00	7,190.87	7,913.55	7,773.12	21.25	23.96	-147.45	628.14	149.63	984.27	942.41	41.82	21.834		
7,701.55	7,190.82	7,397.52	7,169.28	19.16	23.47	84.97	572.24	309.66	268.51	225.41	43.09	6.231 CC		
7,800.00	7,187.69	7,323.29	7,122.18	19.71	22.85	75.36	567.79	252.52	275.23	232.63	42.61	6.460		
7,900.00	7,184.51	7,260.69	7,077.52	20.39	22.37	66.66	563.66	208.88	298.32	256.45	41.87	7.125		
8,000.00	7,181.33	7,208.89	7,037.48	21.17	22.00	59.49	560.00	176.24	338.21	297.10	41.12	8.226		
8,100.00	7,178.15	7,165.85	7,002.29	22.06	21.73	53.80	556.82	151.67	392.25	351.74	40.51	9.682		
8,200.00	7,174.98	7,129.82	6,971.62	23.03	21.51	49.33	554.07	132.99	456.98	416.89	40.09	11.400		
8,300.00	7,171.80	7,100.00	6,945.46	24.08	21.34	45.86	551.74	118.86	529.46	489.67	39.79	13.306		
8,400.00	7,168.62	7,073.51	6,921.70	25.19	21.20	42.98	549.63	107.35	607.55	567.97	39.58	15.349		
8,500.00	7,165.44	7,050.00	6,900.22	26.36	21.08	40.58	547.73	97.98	689.76	650.34	39.43	17.495		
8,600.00	7,162.26	7,031.97	6,883.53	27.59	21.00	38.84	546.26	91.33	775.05	735.74	39.31	19.717		
8,700.00	7,159.08	7,015.13	6,867.76	28.86	20.92	37.29	544.88	85.56	862.69	823.48	39.21	22.001		
8,800.00	7,155.90	7,000.00	6,853.49	30.16	20.85	35.96	543.63	80.73	952.17	913.04	39.13	24.333		
8,900.00	7,152.72	7,000.00	6,853.49	31.50	20.85	35.96	543.63	80.73	1,043.31	1,004.28	39.03	26.730		
9,000.00	7,149.54	6,975.49	6,830.11	32.88	20.76	33.93	541.59	73.62	1,135.22	1,096.21	39.01	29.101		
9,100.00	7,146.36	6,965.01	6,820.04	34.28	20.71	33.10	540.72	70.87	1,228.30	1,189.34	38.96	31.526		
9,200.00	7,143.18	6,950.00	6,805.54	35.70	20.65	31.96	539.46	67.21	1,322.20	1,283.27	38.94	33.958		
9,300.00	7,140.00	6,950.00	6,805.54	37.14	20.65	31.96	539.46	67.21	1,416.71	1,377.84	38.88	36.442		
9,400.00	7,136.82	6,939.25	6,795.11	38.60	20.62	31.18	538.55	64.79	1,511.80	1,472.94	38.86	38.906		
9,500.00	7,133.64	6,926.57	6,782.75	40.08	20.57	30.29	537.48	62.18	1,607.42	1,568.56	38.85	41.371		
9,600.00	7,130.46	6,923.25	6,779.51	41.57	20.56	30.06	537.20	61.53	1,703.37	1,664.55	38.82	43.874		
9,700.00	7,127.28	6,900.44	6,757.22	43.08	20.48	28.56	535.28	57.04	1,799.59	1,760.72	38.87	46.298		
9,800.00	7,124.10	6,877.62	6,734.93	44.59	20.40	27.17	533.35	52.56	1,895.92	1,857.00	38.92	48.713		
9,900.00	7,120.92	6,854.80	6,712.64	46.12	20.32	25.88	531.43	48.08	1,992.35	1,953.37	38.98	51.118		
10,000.00	7,117.74	6,831.98	6,690.35	47.66	20.24	24.69	529.50	43.59	2,088.87	2,049.83	39.04	53.511		
10,100.00	7,114.57	6,809.16	6,668.06	49.20	20.17	23.57	527.57	39.11	2,185.46	2,146.36	39.10	55.893		
10,200.00	7,111.39	6,786.35	6,645.77	50.76	20.09	22.53	525.65	34.62	2,282.11	2,242.95	39.17	58.262		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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	
10,300.00	7,108.21	6,763.53	6,623.48	52.32	20.01	21.56	523.72	30.14	2,378.83	2,339.59	39.24	60.619	
10,400.00	7,105.03	6,740.71	6,601.19	53.88	19.93	20.65	521.79	25.65	2,475.60	2,436.28	39.32	62.962	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							
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	-89.79	4.39	-1,219.71	1,219.72				
100.00	100.00	102.00	102.00	3.28	3.28	-89.79	4.39	-1,219.71	1,219.72	1,212.19	7.53	162.001	
200.00	200.00	202.00	202.00	3.31	3.31	-89.79	4.39	-1,219.71	1,219.72	1,212.15	7.57	161.028	
300.00	299.98	343.80	343.76	3.35	3.38	-164.25	6.02	-1,217.59	1,219.99	1,212.31	7.68	158.769	
400.00	399.84	494.62	494.20	3.42	3.50	-164.05	12.37	-1,209.25	1,219.53	1,211.67	7.85	155.266	
500.00	499.45	645.06	643.50	3.51	3.69	-163.70	23.48	-1,194.68	1,218.27	1,210.18	8.09	150.600	
600.00	598.70	794.86	791.01	3.63	3.95	-163.19	39.25	-1,174.00	1,216.27	1,207.88	8.39	144.895	
700.00	697.47	943.80	936.13	3.78	4.31	-162.54	59.54	-1,147.39	1,213.57	1,204.79	8.78	138.168	
800.00	796.02	1,061.86	1,049.97	3.97	4.66	-161.88	78.48	-1,122.55	1,209.01	1,199.80	9.21	131.246	
900.00	894.57	1,161.01	1,145.46	4.18	5.00	-161.31	94.67	-1,101.32	1,204.27	1,194.61	9.66	124.636	
1,000.00	993.12	1,260.16	1,240.95	4.41	5.37	-160.73	110.86	-1,080.09	1,199.65	1,189.50	10.15	118.170	
1,100.00	1,091.67	1,359.31	1,336.44	4.67	5.75	-160.15	127.05	-1,058.86	1,195.16	1,184.48	10.68	111.943	
1,200.00	1,190.22	1,458.46	1,431.93	4.94	6.15	-159.57	143.24	-1,037.63	1,190.79	1,179.56	11.23	106.063	
1,300.00	1,288.77	1,557.62	1,527.42	5.22	6.57	-158.98	159.42	-1,016.40	1,186.55	1,174.74	11.81	100.492	
1,400.00	1,387.32	1,656.77	1,622.91	5.52	6.99	-158.39	175.61	-995.18	1,182.43	1,170.02	12.41	95.280	
1,500.00	1,485.87	1,755.92	1,718.40	5.82	7.43	-157.79	191.80	-973.95	1,178.44	1,165.41	13.03	90.420	
1,600.00	1,584.42	1,855.07	1,813.89	6.14	7.76	-157.19	207.99	-952.72	1,174.59	1,161.18	13.41	87.611	
1,700.00	1,682.97	1,954.22	1,909.38	6.46	7.91	-156.59	224.18	-931.49	1,170.86	1,157.06	13.80	84.828	
1,800.00	1,781.52	2,053.37	2,004.87	6.79	7.99	-155.98	240.37	-910.26	1,167.27	1,153.13	14.15	82.517	
1,900.00	1,880.07	2,152.53	2,100.36	6.96	8.08	-155.37	256.55	-889.03	1,163.82	1,149.64	14.17	82.117	
2,000.00	1,978.62	2,251.68	2,195.85	7.00	8.20	-154.75	272.74	-867.80	1,160.49	1,146.18	14.31	81.101	
2,100.00	2,077.17	2,350.83	2,291.34	7.06	8.33	-154.13	288.93	-846.57	1,157.31	1,142.83	14.48	79.921	
2,200.00	2,175.71	2,449.98	2,386.83	7.13	8.49	-153.51	305.12	-825.34	1,154.26	1,139.57	14.69	78.597	
2,300.00	2,274.26	2,549.13	2,482.32	7.21	8.65	-152.89	321.31	-804.11	1,151.35	1,136.43	14.92	77.151	
2,400.00	2,372.81	2,648.28	2,577.81	7.31	8.84	-152.26	337.50	-782.88	1,148.58	1,133.39	15.19	75.604	
2,500.00	2,471.36	2,747.44	2,673.30	7.43	9.04	-151.63	353.68	-761.65	1,145.95	1,130.46	15.49	73.978	
2,600.00	2,569.91	2,846.59	2,768.79	7.55	9.25	-150.99	369.87	-740.42	1,143.47	1,127.65	15.82	72.294	
2,700.00	2,668.46	2,945.74	2,864.28	7.69	9.48	-150.36	386.06	-719.20	1,141.12	1,124.95	16.17	70.569	
2,800.00	2,767.01	3,044.89	2,959.77	7.84	9.71	-149.72	402.25	-697.97	1,138.92	1,122.37	16.55	68.823	
2,900.00	2,865.56	3,144.04	3,055.26	8.01	9.96	-149.08	418.44	-676.74	1,136.86	1,119.91	16.95	67.070	
3,000.00	2,964.11	3,243.19	3,150.75	8.18	10.22	-148.44	434.63	-655.51	1,134.95	1,117.58	17.37	65.323	
3,100.00	3,062.66	3,342.35	3,246.24	8.36	10.49	-147.79	450.81	-634.28	1,133.19	1,115.37	17.82	63.594	
3,200.00	3,161.21	3,441.50	3,341.73	8.55	10.76	-147.14	467.00	-613.05	1,131.57	1,113.28	18.28	61.891	
3,300.00	3,259.76	3,540.65	3,437.22	8.76	11.05	-146.49	483.19	-591.82	1,130.10	1,111.33	18.77	60.223	
3,400.00	3,358.31	3,639.80	3,532.71	8.96	11.34	-145.84	499.38	-570.59	1,128.77	1,109.51	19.26	58.594	
3,500.00	3,456.86	3,738.95	3,628.20	9.18	11.64	-145.19	515.57	-549.36	1,127.60	1,107.82	19.78	57.011	
3,600.00	3,555.41	3,838.10	3,723.69	9.40	11.95	-144.54	531.75	-528.13	1,126.57	1,106.26	20.31	55.474	
3,700.00	3,653.96	3,937.26	3,819.18	9.63	12.26	-143.88	547.94	-506.90	1,125.69	1,104.84	20.85	53.988	
3,800.00	3,752.51	4,036.41	3,914.67	9.87	12.58	-143.23	564.13	-485.67	1,124.96	1,103.56	21.41	52.553	
3,900.00	3,851.06	4,135.56	4,010.16	10.11	12.90	-142.57	580.32	-464.44	1,124.38	1,102.41	21.97	51.169	
4,000.00	3,949.61	4,234.71	4,105.65	10.36	13.23	-141.92	596.51	-443.22	1,123.96	1,101.40	22.55	49.838	
4,100.00	4,048.16	4,333.86	4,201.14	10.61	13.56	-141.26	612.70	-421.99	1,123.68	1,100.54	23.14	48.558	
4,200.00	4,146.71	4,433.01	4,296.63	10.87	13.89	-140.60	628.88	-400.76	1,123.55	1,099.81	23.74	47.328	
4,235.08	4,181.28	4,467.80	4,330.13	10.96	14.01	-140.37	634.56	-393.31	1,123.54	1,099.59	23.95	46.908	
4,300.00	4,245.26	4,532.17	4,392.12	11.13	14.23	-139.95	645.07	-379.53	1,123.57	1,099.23	24.35	46.148	
4,400.00	4,343.81	4,631.32	4,487.61	11.39	14.58	-139.29	661.26	-358.30	1,123.75	1,098.78	24.96	45.016	
4,500.00	4,442.36	4,730.47	4,583.10	11.66	14.92	-138.63	677.45	-337.07	1,124.07	1,098.48	25.59	43.931	
4,600.00	4,540.91	4,829.62	4,678.59	11.94	15.27	-137.98	693.64	-315.84	1,124.54	1,098.32	26.22	42.891	
4,700.00	4,639.46	4,928.77	4,774.08	12.21	15.62	-137.32	709.83	-294.61	1,125.16	1,098.31	26.86	41.895	
4,800.00	4,738.01	5,027.92	4,869.57	12.49	15.98	-136.66	726.01	-273.38	1,125.94	1,098.44	27.50	40.940	
4,900.00	4,836.56	5,127.08	4,965.06	12.77	16.34	-136.01	742.20	-252.15	1,126.86	1,098.71	28.15	40.026	
5,000.00	4,935.11	5,226.23	5,060.55	13.05	16.70	-135.36	758.39	-230.92	1,127.93	1,099.12	28.81	39.151	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	5,033.66	5,325.38	5,156.04	13.34	17.06	-134.71	774.58	-209.69	1,129.15	1,099.68	29.47	38.312	
5,200.00	5,132.21	5,424.53	5,251.53	13.63	17.42	-134.06	790.77	-188.46	1,130.52	1,100.38	30.14	37.509	
5,300.00	5,230.76	5,523.68	5,347.02	13.92	17.79	-133.41	806.95	-167.24	1,132.04	1,101.22	30.81	36.740	
5,400.00	5,329.30	5,622.83	5,442.51	14.21	18.16	-132.76	823.14	-146.01	1,133.70	1,102.21	31.49	36.003	
5,500.00	5,427.85	5,721.99	5,538.00	14.50	18.53	-132.12	839.33	-124.78	1,135.51	1,103.34	32.17	35.298	
5,600.00	5,526.40	5,821.14	5,633.49	14.80	18.90	-131.47	855.52	-103.55	1,137.46	1,104.61	32.85	34.621	
5,700.00	5,624.95	5,920.29	5,728.98	15.10	19.27	-130.83	871.71	-82.32	1,139.56	1,106.02	33.54	33.973	
5,800.00	5,723.50	6,019.44	5,824.46	15.40	19.64	-130.20	887.90	-61.09	1,141.81	1,107.57	34.24	33.351	
5,900.00	5,822.05	6,118.59	5,919.95	15.70	20.02	-129.56	904.08	-39.86	1,144.19	1,109.26	34.93	32.755	
6,000.00	5,920.60	6,217.74	6,015.44	16.00	20.40	-128.93	920.27	-18.63	1,146.72	1,111.09	35.63	32.184	
6,100.00	6,019.15	6,316.90	6,110.93	16.31	20.77	-128.30	936.46	2.60	1,149.39	1,113.06	36.33	31.636	
6,200.00	6,117.70	6,416.05	6,206.42	16.61	21.15	-127.67	952.65	23.83	1,152.20	1,115.17	37.04	31.110	
6,300.00	6,216.25	6,515.20	6,301.91	16.92	21.53	-127.05	968.84	45.06	1,155.15	1,117.41	37.74	30.605	
6,400.00	6,314.80	7,939.47	7,108.46	17.22	32.59	-84.01	1,109.17	972.13	1,153.58	1,114.10	39.47	29.225	
6,500.00	6,413.35	7,955.61	7,108.42	17.53	32.79	-82.90	1,109.24	988.27	1,084.85	1,043.69	41.16	26.360	
6,600.00	6,512.28	7,968.89	7,108.39	17.79	32.95	-59.95	1,109.30	1,001.55	1,020.82	977.90	42.92	23.783	
6,700.00	6,612.08	7,967.73	7,108.39	17.94	32.94	66.44	1,109.29	1,000.39	962.31	917.74	44.58	21.588	
6,800.00	6,710.50	7,950.95	7,108.43	18.03	32.73	87.16	1,109.22	983.61	911.73	865.73	46.00	19.820	
6,900.00	6,805.12	7,918.98	7,108.51	18.06	32.34	92.98	1,109.08	951.64	870.92	823.86	47.07	18.504	
7,000.00	6,893.62	7,872.59	7,108.61	18.06	31.79	94.67	1,108.87	905.25	840.69	793.01	47.68	17.632	
7,100.00	6,973.81	7,812.94	7,108.75	18.03	31.08	94.09	1,108.61	845.60	820.66	772.84	47.81	17.164	
7,200.00	7,043.73	7,741.48	7,108.92	18.03	30.26	92.16	1,108.29	774.15	809.34	761.80	47.53	17.027 SF	
7,300.00	7,101.64	7,647.54	7,106.57	18.07	29.21	89.01	1,107.45	680.28	804.14	757.25	46.90	17.147	
7,400.00	7,146.13	7,549.96	7,090.82	18.19	28.15	85.36	1,104.33	584.13	801.86	755.74	46.12	17.386 ES	
7,438.37	7,159.39	7,515.05	7,081.68	18.27	27.78	83.98	1,102.63	550.49	801.68	755.84	45.84	17.490 CC	
7,500.00	7,176.09	7,461.34	7,064.10	18.41	27.22	81.81	1,099.42	499.85	802.14	756.77	45.36	17.683	
7,600.00	7,190.80	7,379.26	7,029.29	18.73	26.41	78.38	1,093.20	425.85	804.62	759.93	44.69	18.005	
7,700.00	7,190.87	7,302.53	6,988.50	19.15	25.71	75.22	1,086.02	361.30	808.98	764.83	44.15	18.322	
7,800.00	7,187.69	7,235.48	6,946.81	19.71	25.15	72.36	1,078.75	309.34	817.70	773.87	43.83	18.656	
7,900.00	7,184.51	7,178.56	6,907.35	20.39	24.70	69.68	1,071.91	268.92	832.68	789.00	43.68	19.062	
8,000.00	7,181.33	7,130.37	6,871.26	21.17	24.35	67.25	1,065.68	237.61	854.81	811.13	43.67	19.573	
8,100.00	7,178.15	7,089.49	6,838.89	22.06	24.07	65.11	1,060.10	213.28	884.46	840.70	43.76	20.213	
8,200.00	7,174.98	7,050.00	6,806.22	23.03	23.82	62.98	1,054.50	191.83	921.62	877.75	43.87	21.009	
8,300.00	7,171.80	7,024.73	6,784.65	24.08	23.67	61.60	1,050.80	179.20	965.84	921.76	44.07	21.916	
8,400.00	7,168.62	7,000.00	6,763.08	25.19	23.53	60.24	1,047.11	167.69	1,016.61	972.36	44.25	22.975	
8,500.00	7,165.44	6,976.45	6,742.14	26.36	23.40	58.94	1,043.54	157.52	1,073.24	1,028.83	44.41	24.166	
8,600.00	7,162.26	6,950.00	6,718.20	27.59	23.26	57.47	1,039.45	147.05	1,135.09	1,090.55	44.54	25.487	
8,700.00	7,159.08	6,950.00	6,718.20	28.86	23.26	57.47	1,039.45	147.05	1,201.47	1,156.75	44.72	26.865	
8,800.00	7,155.90	6,924.10	6,694.35	30.16	23.14	56.05	1,035.39	137.79	1,271.58	1,226.78	44.81	28.379	
8,900.00	7,152.72	6,900.00	6,671.85	31.50	23.03	54.73	1,031.57	130.05	1,345.29	1,300.41	44.88	29.977	
9,000.00	7,149.54	6,900.00	6,671.85	32.88	23.03	54.73	1,031.57	130.05	1,421.69	1,376.71	44.98	31.607	
9,100.00	7,146.36	6,900.00	6,671.85	34.28	23.03	54.73	1,031.57	130.05	1,500.87	1,455.81	45.05	33.312	
9,200.00	7,143.18	6,877.03	6,650.16	35.70	22.93	53.48	1,027.88	123.50	1,581.88	1,536.78	45.09	35.079	
9,300.00	7,140.00	6,867.93	6,641.49	37.14	22.90	52.99	1,026.41	121.12	1,664.93	1,619.80	45.14	36.887	
9,400.00	7,136.82	6,850.00	6,624.34	38.60	22.82	52.03	1,023.50	116.80	1,749.71	1,704.55	45.17	38.740	
9,500.00	7,133.64	6,850.00	6,624.34	40.08	22.82	52.03	1,023.50	116.80	1,835.74	1,790.54	45.20	40.616	
9,600.00	7,130.46	6,845.02	6,619.55	41.57	22.80	51.76	1,022.69	115.68	1,923.09	1,877.87	45.22	42.527	
9,700.00	7,127.28	6,830.17	6,605.25	43.08	22.74	50.98	1,020.26	112.49	2,011.51	1,966.27	45.24	44.463	
9,800.00	7,124.10	6,805.57	6,581.56	44.59	22.65	49.71	1,016.25	107.23	2,100.72	2,055.46	45.26	46.413	
9,900.00	7,120.92	6,780.97	6,557.87	46.12	22.55	48.47	1,012.23	101.96	2,190.58	2,145.30	45.29	48.373	
10,000.00	7,117.74	6,756.37	6,534.18	47.66	22.46	47.26	1,008.21	96.69	2,281.03	2,235.71	45.31	50.342	
10,100.00	7,114.57	6,731.78	6,510.49	49.20	22.36	46.08	1,004.20	91.43	2,371.98	2,326.64	45.34	52.318	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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							
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	7,111.39	6,707.18	6,486.80	50.76	22.27	44.94	1,000.18	86.16	2,463.39	2,418.02	45.37	54.298	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-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	-89.79	4.40	-1,199.67	1,199.67				
100.00	100.00	102.00	102.00	3.28	3.28	-89.79	4.40	-1,199.67	1,199.67	1,192.15	7.53	159.339	
200.00	200.00	202.00	202.00	3.31	3.31	-89.79	4.40	-1,199.67	1,199.67	1,192.10	7.57	158.382	
300.00	299.98	324.06	324.06	3.35	3.36	-164.29	4.81	-1,199.08	1,200.97	1,193.29	7.67	156.494	
400.00	399.84	476.65	476.44	3.42	3.48	-164.19	9.04	-1,192.92	1,201.98	1,194.14	7.84	153.282	
500.00	499.45	629.09	628.07	3.51	3.66	-163.94	17.85	-1,180.10	1,201.99	1,193.92	8.07	148.954	
600.00	598.70	781.13	778.26	3.63	3.90	-163.54	31.17	-1,160.71	1,201.01	1,192.65	8.36	143.611	
700.00	697.47	932.55	926.39	3.78	4.23	-163.00	48.91	-1,134.90	1,199.08	1,190.35	8.73	137.327	
800.00	796.02	1,049.00	1,039.26	3.97	4.55	-162.47	65.13	-1,111.30	1,195.20	1,186.06	9.13	130.853	
900.00	894.57	1,148.43	1,135.55	4.18	4.87	-162.00	79.18	-1,090.85	1,191.16	1,181.60	9.56	124.598	
1,000.00	993.12	1,247.87	1,231.84	4.41	5.20	-161.53	93.23	-1,070.40	1,187.21	1,177.18	10.02	118.443	
1,100.00	1,091.67	1,347.30	1,328.13	4.67	5.56	-161.05	107.29	-1,049.95	1,183.33	1,172.81	10.52	112.458	
1,200.00	1,190.22	1,446.74	1,424.42	4.94	5.94	-160.57	121.34	-1,029.50	1,179.54	1,168.50	11.04	106.841	
1,300.00	1,288.77	1,546.18	1,520.71	5.22	6.32	-160.09	135.39	-1,009.05	1,175.84	1,164.25	11.59	101.448	
1,400.00	1,387.32	1,645.61	1,617.00	5.52	6.72	-159.61	149.44	-988.60	1,172.22	1,160.05	12.16	96.391	
1,500.00	1,485.87	1,745.05	1,713.29	5.82	7.13	-159.12	163.50	-968.15	1,168.68	1,155.93	12.75	91.657	
1,600.00	1,584.42	1,844.48	1,809.58	6.14	7.46	-158.63	177.55	-947.71	1,165.23	1,152.11	13.11	88.858	
1,700.00	1,682.97	1,943.92	1,905.87	6.46	7.62	-158.14	191.60	-927.26	1,161.86	1,148.36	13.51	86.025	
1,800.00	1,781.52	2,043.36	2,002.16	6.79	7.69	-157.64	205.66	-906.81	1,158.58	1,144.75	13.83	83.758	
1,900.00	1,880.07	2,142.79	2,098.45	6.96	7.77	-157.14	219.71	-886.36	1,155.40	1,141.55	13.84	83.471	
2,000.00	1,978.62	2,242.23	2,194.74	7.00	7.88	-156.64	233.76	-865.91	1,152.30	1,138.33	13.96	82.541	
2,100.00	2,077.17	2,341.66	2,291.03	7.06	8.00	-156.14	247.82	-845.46	1,149.28	1,135.17	14.11	81.438	
2,200.00	2,175.71	2,441.10	2,387.32	7.13	8.15	-155.63	261.87	-825.01	1,146.36	1,132.07	14.30	80.179	
2,300.00	2,274.26	2,540.54	2,483.61	7.21	8.30	-155.12	275.92	-804.56	1,143.53	1,129.02	14.51	78.787	
2,400.00	2,372.81	2,639.97	2,579.90	7.31	8.48	-154.61	289.98	-784.11	1,140.80	1,126.03	14.76	77.282	
2,500.00	2,471.36	2,739.41	2,676.20	7.43	8.66	-154.10	304.03	-763.66	1,138.15	1,123.11	15.04	75.687	
2,600.00	2,569.91	2,838.84	2,772.49	7.55	8.86	-153.58	318.08	-743.21	1,135.60	1,120.25	15.34	74.022	
2,700.00	2,668.46	2,938.28	2,868.78	7.69	9.08	-153.06	332.13	-722.76	1,133.14	1,117.47	15.67	72.307	
2,800.00	2,767.01	3,037.72	2,965.07	7.84	9.30	-152.54	346.19	-702.31	1,130.77	1,114.75	16.03	70.560	
2,900.00	2,865.56	3,137.15	3,061.36	8.01	9.54	-152.02	360.24	-681.86	1,128.50	1,112.10	16.40	68.797	
3,000.00	2,964.11	3,236.59	3,157.65	8.18	9.78	-151.49	374.29	-661.41	1,126.33	1,109.52	16.80	67.032	
3,100.00	3,062.66	3,336.02	3,253.94	8.36	10.04	-150.97	388.35	-640.96	1,124.25	1,107.02	17.22	65.278	
3,200.00	3,161.21	3,435.46	3,350.23	8.55	10.30	-150.44	402.40	-620.51	1,122.26	1,104.60	17.66	63.545	
3,300.00	3,259.76	3,534.90	3,446.52	8.76	10.57	-149.91	416.45	-600.06	1,120.38	1,102.26	18.12	61.841	
3,400.00	3,358.31	3,634.33	3,542.81	8.96	10.85	-149.37	430.51	-579.61	1,118.59	1,100.00	18.59	60.172	
3,500.00	3,456.86	3,733.77	3,639.10	9.18	11.14	-148.84	444.56	-559.16	1,116.90	1,097.82	19.08	58.543	
3,600.00	3,555.41	3,833.20	3,735.39	9.40	11.43	-148.31	458.61	-538.71	1,115.30	1,095.72	19.58	56.959	
3,700.00	3,653.96	3,932.64	3,831.68	9.63	11.73	-147.77	472.67	-518.27	1,113.81	1,093.71	20.10	55.423	
3,800.00	3,752.51	4,032.08	3,927.97	9.87	12.03	-147.23	486.72	-497.82	1,112.41	1,091.79	20.63	53.935	
3,900.00	3,851.06	4,131.51	4,024.26	10.11	12.34	-146.69	500.77	-477.37	1,111.12	1,089.95	21.17	52.498	
4,000.00	3,949.61	4,230.95	4,120.55	10.36	12.65	-146.15	514.83	-456.92	1,109.92	1,088.21	21.72	51.111	
4,100.00	4,048.16	4,330.38	4,216.84	10.61	12.97	-145.61	528.88	-436.47	1,108.83	1,086.55	22.28	49.774	
4,200.00	4,146.71	4,429.82	4,313.13	10.87	13.29	-145.07	542.93	-416.02	1,107.83	1,084.99	22.85	48.487	
4,300.00	4,245.26	4,529.26	4,409.42	11.13	13.62	-144.52	556.98	-395.57	1,106.94	1,083.51	23.43	47.249	
4,400.00	4,343.81	4,628.69	4,505.71	11.39	13.95	-143.98	571.04	-375.12	1,106.15	1,082.13	24.02	46.059	
4,500.00	4,442.36	4,728.13	4,602.00	11.66	14.28	-143.43	585.09	-354.67	1,105.45	1,080.84	24.61	44.916	
4,600.00	4,540.91	4,827.56	4,698.29	11.94	14.61	-142.89	599.14	-334.22	1,104.86	1,079.65	25.21	43.818	
4,700.00	4,639.46	4,927.00	4,794.58	12.21	14.95	-142.34	613.20	-313.77	1,104.37	1,078.55	25.83	42.764	
4,800.00	4,738.01	5,026.44	4,890.87	12.49	15.29	-141.79	627.25	-293.32	1,103.99	1,077.55	26.44	41.751	
4,900.00	4,836.56	5,125.87	4,987.16	12.77	15.63	-141.25	641.30	-272.87	1,103.70	1,076.64	27.06	40.780	
5,000.00	4,935.11	5,225.31	5,083.45	13.05	15.98	-140.70	655.36	-252.42	1,103.52	1,075.82	27.69	39.847	
5,100.00	5,033.66	5,324.74	5,179.75	13.34	16.33	-140.15	669.41	-231.97	1,103.44	1,075.11	28.33	38.952	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-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		
5,130.26	5,063.48	5,354.83	5,208.88	13.43	16.43	-139.98	673.66	-225.78	1,103.43	1,074.91	28.52	38.688		
5,200.00	5,132.21	5,424.18	5,276.04	13.63	16.68	-139.60	683.46	-211.52	1,103.46	1,074.49	28.97	38.092		
5,300.00	5,230.76	5,523.62	5,372.33	13.92	17.03	-139.06	697.52	-191.07	1,103.58	1,073.97	29.61	37.267		
5,400.00	5,329.30	5,623.05	5,468.62	14.21	17.38	-138.51	711.57	-170.62	1,103.80	1,073.54	30.26	36.475		
5,500.00	5,427.85	5,722.49	5,564.91	14.50	17.73	-137.96	725.62	-150.17	1,104.13	1,073.21	30.92	35.714		
5,600.00	5,526.40	5,821.92	5,661.20	14.80	18.09	-137.41	739.67	-129.72	1,104.56	1,072.98	31.57	34.984		
5,700.00	5,624.95	5,921.36	5,757.49	15.10	18.45	-136.87	753.73	-109.27	1,105.08	1,072.85	32.24	34.281		
5,800.00	5,723.50	6,020.80	5,853.78	15.40	18.81	-136.32	767.78	-88.83	1,105.72	1,072.81	32.90	33.607		
5,900.00	5,822.05	6,120.23	5,950.07	15.70	19.17	-135.78	781.83	-68.38	1,106.45	1,072.88	33.57	32.958		
6,000.00	5,920.60	6,219.67	6,046.36	16.00	19.53	-135.23	795.89	-47.93	1,107.28	1,073.04	34.24	32.335		
6,100.00	6,019.15	6,319.10	6,142.65	16.31	19.89	-134.69	809.94	-27.48	1,108.21	1,073.29	34.92	31.735		
6,200.00	6,117.70	6,418.54	6,238.94	16.61	20.26	-134.15	823.99	-7.03	1,109.25	1,073.65	35.60	31.159		
6,300.00	6,216.25	6,517.98	6,335.23	16.92	20.62	-133.61	838.05	13.42	1,110.38	1,074.10	36.28	30.604		
6,400.00	6,314.80	8,036.71	7,187.98	17.22	32.33	-85.39	936.89	998.72	1,097.34	1,060.96	36.38	30.159		
6,500.00	6,413.35	8,052.55	7,187.93	17.53	32.53	-84.02	936.38	1,014.56	1,017.52	979.65	37.87	26.870		
6,600.00	6,512.28	8,065.53	7,187.88	17.79	32.69	-58.95	935.96	1,027.53	941.09	901.57	39.52	23.812		
6,700.00	6,612.08	8,064.08	7,187.89	17.94	32.67	70.22	936.00	1,026.08	869.12	827.90	41.22	21.085		
6,800.00	6,710.50	8,047.03	7,187.95	18.03	32.46	92.86	936.55	1,009.04	804.53	761.65	42.88	18.764		
6,900.00	6,805.12	8,014.80	7,188.06	18.06	32.06	99.87	937.60	976.83	749.97	705.61	44.36	16.908		
7,000.00	6,893.62	7,968.20	7,188.23	18.06	31.49	102.18	939.11	930.25	707.23	661.72	45.51	15.540		
7,100.00	6,973.81	7,908.36	7,188.44	18.03	30.77	101.82	941.05	870.44	676.87	630.67	46.20	14.650		
7,200.00	7,043.73	7,836.75	7,188.70	18.03	29.94	99.78	943.36	798.87	658.00	611.59	46.41	14.178		
7,300.00	7,101.64	7,755.67	7,188.99	18.07	29.02	96.90	945.99	717.83	648.53	602.33	46.19	14.039 SF		
7,400.00	7,146.13	7,642.29	7,179.76	18.19	27.77	92.32	948.17	605.01	644.12	598.45	45.66	14.106		
7,500.00	7,176.09	7,540.58	7,154.77	18.41	26.69	87.83	947.49	506.53	642.42	597.37	45.05	14.261 ES		
7,509.05	7,178.06	7,531.85	7,151.90	18.44	26.60	87.43	947.32	498.28	642.41	597.41	45.00	14.277 CC		
7,600.00	7,190.80	7,447.65	7,118.65	18.73	25.76	83.47	944.70	421.04	643.56	599.13	44.43	14.484		
7,700.00	7,190.87	7,361.86	7,074.74	19.15	24.97	79.36	940.34	347.54	647.37	603.47	43.90	14.747		
7,800.00	7,187.69	7,287.64	7,029.18	19.71	24.35	75.51	935.24	289.22	655.85	612.31	43.54	15.063		
7,900.00	7,184.51	7,225.38	6,986.02	20.39	23.87	71.88	930.06	244.69	671.31	627.98	43.33	15.492		
8,000.00	7,181.33	7,173.35	6,946.81	21.17	23.50	68.65	925.15	210.87	695.08	651.84	43.24	16.075		
8,100.00	7,178.15	7,129.76	6,911.95	22.06	23.21	65.83	920.65	185.09	727.63	684.41	43.22	16.836		
8,200.00	7,174.98	7,093.03	6,881.30	23.03	22.98	63.41	916.60	165.28	768.78	725.54	43.24	17.779		
8,300.00	7,171.80	7,061.86	6,854.44	24.08	22.80	61.33	912.99	149.89	817.87	774.59	43.28	18.897		
8,400.00	7,168.62	7,035.20	6,830.90	25.19	22.66	59.56	909.78	137.79	874.01	830.69	43.32	20.175		
8,500.00	7,165.44	7,012.20	6,810.21	26.36	22.54	58.03	906.93	128.17	936.26	892.90	43.36	21.594		
8,600.00	7,162.26	7,000.00	6,799.10	27.59	22.47	57.22	905.38	123.36	1,003.76	960.36	43.40	23.128		
8,700.00	7,159.08	6,974.72	6,775.81	28.86	22.35	55.56	902.12	114.11	1,075.51	1,032.11	43.40	24.781		
8,800.00	7,155.90	6,950.00	6,752.70	30.16	22.24	53.96	898.85	105.96	1,151.09	1,107.69	43.39	26.527		
8,900.00	7,152.72	6,950.00	6,752.70	31.50	22.24	53.96	898.85	105.96	1,229.58	1,186.17	43.41	28.326		
9,000.00	7,149.54	6,933.41	6,737.02	32.88	22.17	52.89	896.61	101.00	1,310.72	1,267.32	43.40	30.201		
9,100.00	7,146.36	6,922.45	6,726.61	34.28	22.13	52.20	895.12	97.96	1,394.07	1,350.68	43.39	32.130		
9,200.00	7,143.18	6,900.00	6,705.11	35.70	22.03	50.79	892.02	92.28	1,479.43	1,436.05	43.38	34.108		
9,300.00	7,140.00	6,900.00	6,705.11	37.14	22.03	50.79	892.02	92.28	1,566.05	1,522.69	43.36	36.118		
9,400.00	7,136.82	6,900.00	6,705.11	38.60	22.03	50.79	892.02	92.28	1,654.19	1,610.85	43.34	38.169		
9,500.00	7,133.64	6,888.04	6,693.58	40.08	21.99	50.05	890.34	89.57	1,743.47	1,700.14	43.33	40.241		
9,600.00	7,130.46	6,883.38	6,689.08	41.57	21.97	49.76	889.69	88.57	1,833.77	1,790.46	43.31	42.342		
9,700.00	7,127.28	6,859.63	6,666.08	43.08	21.88	48.32	886.33	83.69	1,924.87	1,881.55	43.31	44.441		
9,800.00	7,124.10	6,835.88	6,643.08	44.59	21.79	46.93	882.98	78.80	2,016.53	1,973.21	43.32	46.548		
9,900.00	7,120.92	6,812.13	6,620.07	46.12	21.71	45.59	879.62	73.92	2,108.68	2,065.35	43.34	48.659		
10,000.00	7,117.74	6,788.37	6,597.07	47.66	21.62	44.29	876.26	69.03	2,201.27	2,157.91	43.35	50.773		
10,100.00	7,114.57	6,764.62	6,574.07	49.20	21.53	43.03	872.90	64.15	2,294.23	2,250.85	43.38	52.889		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 11N-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	7,111.39	6,740.87	6,551.07	50.76	21.44	41.82	869.55	59.26	2,387.52	2,344.11	43.41	55.004	
10,300.00	7,108.21	6,717.12	6,528.07	52.32	21.35	40.65	866.19	54.38	2,481.11	2,437.67	43.44	57.118	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	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	
300.00	299.98	299.40	299.40	3.35	3.35	16.42	-0.16	40.46	38.79	31.13	7.66	5.064	
400.00	399.84	398.26	398.19	3.42	3.41	16.03	1.52	43.43	36.75	28.96	7.78	4.722	
500.00	499.45	497.15	496.84	3.51	3.50	14.34	4.87	49.37	34.36	26.42	7.94	4.327	
600.00	598.70	596.08	595.23	3.63	3.62	11.01	9.88	58.28	31.70	23.57	8.13	3.897	
700.00	697.47	695.03	693.24	3.78	3.75	5.50	16.57	70.14	28.97	20.61	8.36	3.464	
760.34	756.93	754.74	752.14	3.89	3.86	0.83	21.41	78.73	28.26	19.74	8.52	3.318 CC, ES	
800.00	796.02	793.99	790.73	3.97	3.93	-2.62	24.91	84.95	28.58	19.95	8.62	3.314	
900.00	894.57	906.35	888.47	4.18	4.17	-11.07	34.46	101.90	31.16	22.17	8.99	3.468	
1,000.00	993.12	993.52	986.40	4.41	4.38	-18.10	44.07	118.95	34.39	25.03	9.36	3.673	
1,100.00	1,091.67	1,106.62	1,084.33	4.67	4.68	-23.86	53.68	136.00	38.05	28.21	9.84	3.866	
1,200.00	1,190.22	1,206.75	1,182.26	4.94	4.97	-28.57	63.28	153.05	42.02	31.69	10.34	4.066	
1,300.00	1,288.77	1,306.88	1,280.19	5.22	5.27	-32.45	72.89	170.09	46.23	35.36	10.86	4.255	
1,400.00	1,387.32	1,407.02	1,378.12	5.52	5.59	-35.67	82.50	187.14	50.61	39.19	11.42	4.431	
1,500.00	1,485.87	1,507.15	1,476.06	5.82	5.91	-38.37	92.10	204.19	55.13	43.12	12.01	4.591	
1,600.00	1,584.42	1,607.28	1,573.99	6.14	6.25	-40.66	101.71	221.24	59.75	47.14	12.61	4.738	
1,700.00	1,682.97	1,707.41	1,671.92	6.46	6.60	-42.61	111.31	238.29	64.45	51.22	13.23	4.870	
1,800.00	1,781.52	1,792.45	1,769.85	6.79	6.89	-44.30	120.92	255.34	69.22	55.39	13.83	5.006	
1,900.00	1,880.07	1,907.68	1,867.78	6.96	7.12	-45.77	130.53	272.38	74.04	60.21	13.83	5.355	
2,000.00	1,978.62	2,007.81	1,965.71	7.00	7.16	-47.06	140.13	289.43	78.90	64.98	13.92	5.668	
2,100.00	2,077.17	2,092.05	2,063.64	7.06	7.22	-48.20	149.74	306.48	83.80	69.76	14.03	5.971	
2,200.00	2,175.71	2,191.92	2,161.57	7.13	7.29	-49.21	159.35	323.53	88.72	74.54	14.18	6.255	
2,300.00	2,274.26	2,308.21	2,259.50	7.21	7.40	-50.12	168.95	340.58	93.67	79.29	14.38	6.514	
2,400.00	2,372.81	2,408.35	2,357.43	7.31	7.52	-50.93	178.56	357.63	98.64	84.05	14.59	6.760	
2,500.00	2,471.36	2,508.48	2,455.37	7.43	7.64	-51.67	188.16	374.67	103.63	88.80	14.83	6.986	
2,600.00	2,569.91	2,608.61	2,553.30	7.55	7.78	-52.34	197.77	391.72	108.64	93.54	15.10	7.194	
2,700.00	2,668.46	2,708.74	2,651.23	7.69	7.93	-52.95	207.38	408.77	113.66	98.26	15.40	7.382	
2,800.00	2,767.01	2,808.88	2,749.16	7.84	8.10	-53.51	216.98	425.82	118.69	102.98	15.71	7.553	
2,900.00	2,865.56	2,909.01	2,847.09	8.01	8.28	-54.02	226.59	442.87	123.73	107.68	16.05	7.707	
3,000.00	2,964.11	2,990.86	2,945.02	8.18	8.43	-54.49	236.20	459.92	128.78	112.40	16.38	7.860	
3,100.00	3,062.66	3,090.72	3,042.95	8.36	8.63	-54.93	245.80	476.96	133.84	117.08	16.76	7.984	
3,200.00	3,161.21	3,209.41	3,140.88	8.55	8.87	-55.33	255.41	494.01	138.91	121.70	17.20	8.076	
3,300.00	3,259.76	3,309.54	3,238.81	8.76	9.09	-55.71	265.01	511.06	143.98	126.36	17.62	8.172	
3,400.00	3,358.31	3,409.68	3,336.74	8.96	9.31	-56.06	274.62	528.11	149.05	131.00	18.05	8.256	
3,500.00	3,456.86	3,509.81	3,434.68	9.18	9.55	-56.39	284.23	545.16	154.14	135.63	18.50	8.330	
3,600.00	3,555.41	3,609.94	3,532.61	9.40	9.79	-56.70	293.83	562.21	159.23	140.26	18.97	8.394	
3,700.00	3,653.96	3,689.93	3,630.54	9.63	9.98	-56.98	303.44	579.25	164.32	144.92	19.40	8.471	
3,800.00	3,752.51	3,789.79	3,728.47	9.87	10.23	-57.26	313.05	596.30	169.41	149.53	19.88	8.520	
3,900.00	3,851.06	3,889.66	3,826.40	10.11	10.49	-57.51	322.65	613.35	174.51	154.13	20.38	8.562	
4,000.00	3,949.61	3,989.53	3,924.33	10.36	10.75	-57.75	332.26	630.40	179.62	158.72	20.89	8.597	
4,100.00	4,048.16	4,089.39	4,022.26	10.61	11.02	-57.98	341.87	647.45	184.72	163.31	21.41	8.627	
4,200.00	4,146.71	4,189.26	4,120.19	10.87	11.29	-58.19	351.47	664.50	189.83	167.89	21.94	8.652	
4,300.00	4,245.26	4,289.13	4,218.12	11.13	11.57	-58.40	361.08	681.54	194.94	172.46	22.48	8.673	
4,400.00	4,343.81	4,388.99	4,316.06	11.39	11.85	-58.59	370.68	698.59	200.05	177.03	23.02	8.690	
4,500.00	4,442.36	4,488.86	4,413.99	11.66	12.13	-58.77	380.29	715.64	205.17	181.60	23.57	8.704	
4,600.00	4,540.91	4,588.73	4,511.92	11.94	12.42	-58.95	389.90	732.69	210.29	186.16	24.13	8.715	
4,700.00	4,639.46	4,688.59	4,609.85	12.21	12.71	-59.11	399.50	749.74	215.41	190.71	24.69	8.723	
4,800.00	4,738.01	4,788.46	4,707.78	12.49	13.00	-59.27	409.11	766.79	220.53	195.26	25.26	8.729	
4,900.00	4,836.56	4,888.33	4,805.71	12.77	13.30	-59.42	418.72	783.84	225.65	199.81	25.84	8.732	
5,000.00	4,935.11	4,988.20	4,903.64	13.05	13.60	-59.57	428.32	800.88	230.77	204.35	26.42	8.734	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,100.00	5,033.66	5,088.06	5,001.57	13.34	13.90	-59.71	437.93	817.93	235.90	208.89	27.01	8.735		
5,200.00	5,132.21	5,187.93	5,099.50	13.63	14.20	-59.84	447.53	834.98	241.03	213.43	27.60	8.734		
5,300.00	5,230.76	5,287.80	5,197.43	13.92	14.51	-59.97	457.14	852.03	246.15	217.96	28.19	8.731		
5,400.00	5,329.30	5,387.66	5,295.37	14.21	14.82	-60.09	466.75	869.08	251.28	222.49	28.79	8.728		
5,500.00	5,427.85	5,487.53	5,393.30	14.50	15.13	-60.20	476.35	886.13	256.41	227.02	29.39	8.724		
5,600.00	5,526.40	5,587.40	5,491.23	14.80	15.44	-60.32	485.96	903.17	261.54	231.55	30.00	8.719		
5,700.00	5,624.95	5,687.26	5,589.16	15.10	15.75	-60.42	495.57	920.22	266.68	236.07	30.61	8.713		
5,800.00	5,723.50	5,787.13	5,687.09	15.40	16.07	-60.53	505.17	937.27	271.81	240.59	31.22	8.707		
5,900.00	5,822.05	5,887.00	5,785.02	15.70	16.39	-60.63	514.78	954.32	276.94	245.11	31.83	8.700		
6,000.00	5,920.60	5,986.87	5,882.95	16.00	16.70	-60.72	524.38	971.37	282.08	249.63	32.45	8.693		
6,100.00	6,019.15	6,086.73	5,980.88	16.31	17.02	-60.82	533.99	988.42	287.21	254.14	33.07	8.685		
6,200.00	6,117.70	6,186.60	6,078.81	16.61	17.34	-60.91	543.60	1,005.46	292.35	258.66	33.69	8.677		
6,300.00	6,216.25	6,286.47	6,176.74	16.92	17.66	-60.99	553.20	1,022.51	297.49	263.17	34.32	8.669		
6,400.00	6,314.80	6,390.78	6,279.26	17.22	17.97	-61.36	563.27	1,038.81	302.33	267.39	34.94	8.653		
6,500.00	6,413.35	6,499.30	6,387.11	17.53	18.17	-64.52	573.92	1,040.66	304.61	269.01	35.60	8.556		
6,600.00	6,512.28	6,600.82	6,486.91	17.79	18.29	-52.45	583.86	1,025.71	306.52	270.32	36.20	8.467		
6,700.00	6,612.08	6,697.36	6,578.50	17.94	18.34	61.87	593.06	996.89	311.28	274.72	36.56	8.514		
6,800.00	6,710.50	6,789.95	6,661.29	18.03	18.34	73.13	601.43	956.49	318.72	282.02	36.70	8.685		
6,900.00	6,805.12	6,879.19	6,734.77	18.06	18.32	72.14	608.93	906.52	328.21	291.58	36.63	8.960		
7,000.00	6,893.62	6,965.64	6,798.64	18.06	18.30	69.43	615.51	848.73	338.98	302.56	36.43	9.306		
7,100.00	6,973.81	7,049.80	6,852.77	18.03	18.28	66.51	621.16	784.63	350.28	314.10	36.18	9.681		
7,200.00	7,043.73	7,132.06	6,897.12	18.03	18.29	63.81	625.87	715.57	361.38	325.38	36.00	10.039		
7,300.00	7,101.64	7,212.81	6,931.67	18.07	18.35	61.48	629.62	642.74	371.66	335.68	35.97	10.332		
7,400.00	7,146.13	7,292.38	6,956.48	18.19	18.48	59.59	632.43	567.24	380.59	344.41	36.17	10.522		
7,500.00	7,176.09	7,371.05	6,971.61	18.41	18.68	58.14	634.28	490.12	387.76	351.13	36.63	10.585		
7,600.00	7,190.80	7,450.00	6,977.16	18.73	18.96	57.12	635.19	411.42	392.88	355.53	37.35	10.519		
7,700.00	7,190.87	7,542.79	6,975.27	19.15	19.41	56.87	635.44	318.65	394.77	356.45	38.32	10.302		
7,800.00	7,187.69	7,642.78	6,972.87	19.71	20.01	57.05	635.66	218.69	395.25	355.73	39.51	10.003		
7,900.00	7,184.51	7,742.78	6,970.46	20.39	20.74	57.22	635.89	118.72	395.72	354.83	40.90	9.676		
8,000.00	7,181.33	7,842.77	6,968.06	21.17	21.58	57.40	636.11	18.76	396.20	353.75	42.45	9.334		
8,100.00	7,178.15	7,942.76	6,965.65	22.06	22.51	57.58	636.34	-81.20	396.69	352.53	44.16	8.984		
8,200.00	7,174.98	8,042.75	6,963.24	23.03	23.52	57.76	636.56	-181.16	397.17	351.17	46.00	8.634		
8,300.00	7,171.80	8,142.74	6,960.84	24.08	24.60	57.93	636.79	-281.13	397.67	349.69	47.97	8.289		
8,400.00	7,168.62	8,242.73	6,958.43	25.19	25.75	58.11	637.01	-381.09	398.16	348.11	50.05	7.955		
8,500.00	7,165.44	8,342.72	6,956.03	26.36	26.95	58.28	637.24	-481.05	398.66	346.43	52.23	7.632		
8,600.00	7,162.26	8,442.71	6,953.62	27.59	28.19	58.46	637.46	-581.01	399.16	344.66	54.50	7.324		
8,700.00	7,159.08	8,542.71	6,951.21	28.86	29.48	58.63	637.69	-680.97	399.67	342.83	56.84	7.031		
8,800.00	7,155.90	8,642.70	6,948.81	30.16	30.80	58.81	637.91	-780.94	400.18	340.92	59.25	6.754		
8,900.00	7,152.72	8,742.69	6,946.40	31.50	32.16	58.98	638.14	-880.90	400.69	338.96	61.73	6.491		
9,000.00	7,149.54	8,842.68	6,944.00	32.88	33.54	59.15	638.36	-980.86	401.21	336.95	64.26	6.244		
9,100.00	7,146.36	8,942.67	6,941.59	34.28	34.95	59.33	638.59	-1,080.82	401.73	334.89	66.84	6.010		
9,200.00	7,143.18	9,042.66	6,939.18	35.70	36.38	59.50	638.81	-1,180.78	402.25	332.79	69.47	5.791		
9,300.00	7,140.00	9,142.65	6,936.78	37.14	37.83	59.67	639.04	-1,280.75	402.78	330.65	72.14	5.584		
9,400.00	7,136.82	9,242.64	6,934.37	38.60	39.30	59.84	639.26	-1,380.71	403.31	328.47	74.84	5.389		
9,500.00	7,133.64	9,342.64	6,931.96	40.08	40.78	60.01	639.49	-1,480.67	403.85	326.27	77.58	5.206		
9,600.00	7,130.46	9,442.63	6,929.56	41.57	42.28	60.18	639.71	-1,580.63	404.39	324.04	80.35	5.033		
9,700.00	7,127.28	9,542.62	6,927.15	43.08	43.79	60.35	639.94	-1,680.59	404.93	321.78	83.15	4.870		
9,800.00	7,124.10	9,642.61	6,924.75	44.59	45.31	60.52	640.16	-1,780.56	405.48	319.50	85.98	4.716		
9,900.00	7,120.92	9,742.60	6,922.34	46.12	46.84	60.69	640.39	-1,880.52	406.03	317.20	88.83	4.571		
10,000.00	7,117.74	9,842.59	6,919.93	47.66	48.38	60.86	640.61	-1,980.48	406.58	314.88	91.70	4.434		
10,100.00	7,114.57	9,942.58	6,917.53	49.20	49.93	61.03	640.84	-2,080.44	407.14	312.54	94.60	4.304		
10,200.00	7,111.39	10,042.58	6,915.12	50.76	51.48	61.20	641.06	-2,180.41	407.70	310.18	97.51	4.181		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							
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	7,108.21	10,142.57	6,912.72	52.32	53.05	61.36	641.29	-2,280.37	408.26	307.81	100.45	4.064	
10,400.00	7,105.03	10,242.56	6,910.31	53.88	54.62	61.53	641.51	-2,380.33	408.83	305.43	103.40	3.954	
10,500.00	7,101.85	10,342.55	6,907.90	55.46	56.19	61.70	641.74	-2,480.29	409.40	303.03	106.37	3.849	
10,600.00	7,098.67	10,442.54	6,905.50	57.04	57.77	61.86	641.96	-2,580.25	409.97	300.62	109.35	3.749	
10,700.00	7,095.49	10,542.53	6,903.09	58.62	59.36	62.03	642.19	-2,680.22	410.55	298.20	112.35	3.654	
10,800.00	7,092.31	10,642.52	6,900.69	60.21	60.95	62.19	642.41	-2,780.18	411.13	295.77	115.36	3.564	
10,900.00	7,089.13	10,742.51	6,898.28	61.80	62.55	62.36	642.64	-2,880.14	411.71	293.33	118.38	3.478	
11,000.00	7,085.95	10,842.51	6,895.87	63.40	64.14	62.52	642.86	-2,980.10	412.30	290.88	121.42	3.396	
11,100.00	7,082.77	10,942.50	6,893.47	65.00	65.75	62.68	643.09	-3,080.06	412.89	288.42	124.47	3.317	
11,200.00	7,079.59	11,042.49	6,891.06	66.61	67.35	62.85	643.31	-3,180.03	413.49	285.95	127.53	3.242	
11,300.00	7,076.41	11,142.48	6,888.66	68.21	68.96	63.01	643.54	-3,279.99	414.08	283.48	130.60	3.171	
11,400.00	7,073.23	11,242.47	6,886.25	69.82	70.57	63.17	643.76	-3,379.95	414.68	281.00	133.69	3.102	
11,500.00	7,070.05	11,342.46	6,883.84	71.44	72.19	63.33	643.99	-3,479.91	415.29	278.51	136.78	3.036	
11,600.00	7,066.87	11,442.45	6,881.44	73.05	73.81	63.49	644.21	-3,579.88	415.90	276.01	139.88	2.973	
11,700.00	7,063.69	11,542.45	6,879.03	74.67	75.43	63.65	644.44	-3,679.84	416.51	273.51	142.99	2.913	
11,800.00	7,060.51	11,642.44	6,876.63	76.29	77.05	63.81	644.66	-3,779.80	417.12	271.01	146.11	2.855	
11,900.00	7,057.33	11,742.43	6,874.22	77.92	78.67	63.97	644.89	-3,879.76	417.74	268.50	149.24	2.799	
12,000.00	7,054.15	11,842.42	6,871.81	79.54	80.30	64.13	645.11	-3,979.72	418.36	265.98	152.38	2.746	
12,100.00	7,050.98	11,942.41	6,869.41	81.17	81.92	64.29	645.34	-4,079.69	418.98	263.46	155.52	2.694	
12,200.00	7,047.80	12,042.40	6,867.00	82.80	83.55	64.45	645.56	-4,179.65	419.61	260.93	158.68	2.644	
12,300.00	7,044.62	12,142.39	6,864.59	84.43	85.19	64.61	645.79	-4,279.61	420.24	258.40	161.84	2.597	
12,400.00	7,041.44	12,242.38	6,862.19	86.06	86.82	64.77	646.01	-4,379.57	420.87	255.87	165.00	2.551	
12,500.00	7,038.26	12,342.38	6,859.78	87.69	88.45	64.92	646.24	-4,479.53	421.51	253.33	168.18	2.506	
12,600.00	7,035.08	12,442.37	6,857.38	89.33	90.09	65.08	646.46	-4,579.50	422.15	250.79	171.36	2.464	
12,700.00	7,031.90	12,542.36	6,854.97	90.96	91.73	65.23	646.69	-4,679.46	422.79	248.24	174.55	2.422	
12,800.00	7,028.72	12,642.35	6,852.56	92.60	93.36	65.39	646.91	-4,779.42	423.44	245.69	177.74	2.382	
12,900.00	7,025.54	12,742.34	6,850.16	94.24	95.00	65.55	647.14	-4,879.38	424.09	243.14	180.94	2.344	
13,000.00	7,022.36	12,842.33	6,847.75	95.88	96.64	65.70	647.36	-4,979.34	424.74	240.59	184.15	2.306	
13,100.00	7,019.18	12,942.32	6,845.35	97.52	98.29	65.85	647.59	-5,079.31	425.39	238.03	187.36	2.270	
13,200.00	7,016.00	13,042.32	6,842.94	99.16	99.93	66.01	647.81	-5,179.27	426.05	235.47	190.58	2.236	
13,300.00	7,012.82	13,142.31	6,840.53	100.80	101.57	66.16	648.04	-5,279.23	426.71	232.91	193.81	2.202	
13,400.00	7,009.64	13,242.30	6,838.13	102.44	103.22	66.31	648.26	-5,379.19	427.38	230.34	197.04	2.169	
13,500.00	7,006.46	13,342.29	6,835.72	104.09	104.86	66.47	648.49	-5,479.16	428.05	227.77	200.27	2.137	
13,600.00	7,003.28	13,442.28	6,833.32	105.73	106.51	66.62	648.71	-5,579.12	428.72	225.21	203.51	2.107	
13,700.00	7,000.10	13,542.27	6,830.91	107.38	108.15	66.77	648.94	-5,679.08	429.39	222.63	206.76	2.077	
13,800.00	6,996.92	13,642.26	6,828.50	109.03	109.80	66.92	649.16	-5,779.04	430.07	220.06	210.01	2.048	
13,900.00	6,993.74	13,742.25	6,826.10	110.67	111.45	67.07	649.39	-5,879.00	430.75	217.49	213.26	2.020	
14,000.00	6,990.57	13,842.25	6,823.69	112.32	113.10	67.22	649.61	-5,978.97	431.43	214.91	216.52	1.993	
14,100.00	6,987.39	13,942.24	6,821.29	113.97	114.75	67.37	649.84	-6,078.93	432.11	212.33	219.78	1.966	
14,200.00	6,984.21	14,042.23	6,818.88	115.62	116.40	67.52	650.06	-6,178.89	432.80	209.75	223.05	1.940	
14,300.00	6,981.03	14,142.22	6,816.47	117.27	118.05	67.67	650.29	-6,278.85	433.49	207.17	226.32	1.915	
14,400.00	6,977.85	14,242.21	6,814.07	118.92	119.70	67.81	650.51	-6,378.81	434.19	204.59	229.60	1.891	
14,500.00	6,974.67	14,342.20	6,811.66	120.57	121.36	67.96	650.74	-6,478.78	434.88	202.00	232.88	1.867	
14,600.00	6,971.49	14,442.19	6,809.26	122.22	123.01	68.11	650.96	-6,578.74	435.58	199.42	236.17	1.844	
14,700.00	6,968.31	14,542.19	6,806.85	123.87	124.66	68.25	651.19	-6,678.70	436.29	196.83	239.46	1.822	
14,800.00	6,965.13	14,642.18	6,804.44	125.53	126.32	68.40	651.41	-6,778.66	436.99	194.24	242.75	1.800	
14,900.00	6,961.95	14,742.17	6,802.04	127.18	127.97	68.55	651.64	-6,878.63	437.70	191.65	246.04	1.779	
15,000.00	6,958.77	14,842.16	6,799.63	128.83	129.63	68.69	651.86	-6,978.59	438.41	189.07	249.34	1.758	
15,100.00	6,955.59	14,942.15	6,797.22	130.49	131.28	68.83	652.09	-7,078.55	439.12	186.48	252.65	1.738	
15,200.00	6,952.41	15,042.14	6,794.82	132.14	132.94	68.98	652.31	-7,178.51	439.84	183.89	255.96	1.718	
15,300.00	6,949.23	15,142.13	6,792.41	133.80	134.59	69.12	652.54	-7,278.47	440.56	181.29	259.27	1.699	
15,400.00	6,946.05	15,242.12	6,790.01	135.45	136.25	69.27	652.76	-7,378.44	441.28	178.70	262.58	1.681	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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
15,500.00	6,942.87	15,342.12	6,787.60	137.11	137.91	69.41	652.99	-7,478.40	442.01	176.11	265.90	1.662	
15,533.10	6,941.82	15,375.21	6,786.80	137.66	138.45	69.46	653.06	-7,511.48	442.25	175.25	266.99	1.656 SF	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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: 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	90.35	-0.36	59.86	59.86				
100.00	100.00	101.00	101.00	3.28	3.28	90.35	-0.36	59.86	59.86	52.33	7.53	7.951	
200.00	200.00	201.00	201.00	3.31	3.31	90.35	-0.36	59.86	59.86	52.28	7.57	7.903	
300.00	299.98	300.16	300.16	3.35	3.35	16.06	-0.10	60.21	58.54	50.88	7.66	7.641	
400.00	399.84	398.56	398.49	3.42	3.41	15.43	1.93	62.95	56.28	48.49	7.78	7.230	
500.00	499.45	496.96	496.66	3.51	3.50	13.57	5.96	68.41	53.45	45.51	7.94	6.729	
600.00	598.70	595.37	594.53	3.63	3.62	10.22	12.00	76.57	50.18	42.04	8.14	6.165	
700.00	697.47	693.75	691.98	3.78	3.75	4.98	20.04	87.43	46.74	38.37	8.37	5.584	
777.73	774.07	770.20	767.34	3.92	3.88	-0.67	27.65	97.72	45.53	36.96	8.57	5.311 CC, ES	
800.00	796.02	792.09	788.86	3.97	3.92	-2.48	30.05	100.96	45.63	37.00	8.63	5.287	
900.00	894.57	909.11	885.61	4.18	4.18	-10.88	41.94	117.03	48.47	39.49	8.98	5.396	
1,000.00	993.12	990.57	983.11	4.41	4.38	-18.31	54.30	133.73	52.86	43.52	9.34	5.657	
1,100.00	1,091.67	1,109.74	1,080.61	4.67	4.70	-24.51	66.66	150.43	58.01	48.18	9.83	5.900	
1,200.00	1,190.22	1,189.95	1,178.10	4.94	4.94	-29.66	79.02	167.14	63.72	53.44	10.28	6.199	
1,300.00	1,288.77	1,289.63	1,275.60	5.22	5.25	-33.94	91.38	183.84	69.86	59.06	10.81	6.465	
1,400.00	1,387.32	1,389.32	1,373.10	5.52	5.57	-37.51	103.74	200.54	76.33	64.96	11.36	6.717	
1,500.00	1,485.87	1,489.01	1,470.60	5.82	5.90	-40.51	116.09	217.24	83.04	71.09	11.95	6.949	
1,600.00	1,584.42	1,588.70	1,568.10	6.14	6.25	-43.06	128.45	233.94	89.95	77.39	12.56	7.163	
1,700.00	1,682.97	1,688.38	1,665.59	6.46	6.60	-45.24	140.81	250.65	97.01	83.82	13.18	7.358	
1,800.00	1,781.52	1,788.07	1,763.09	6.79	6.96	-47.13	153.17	267.35	104.19	90.36	13.83	7.535	
1,900.00	1,880.07	1,887.76	1,860.59	6.96	7.18	-48.77	165.53	284.05	111.46	97.64	13.82	8.063	
2,000.00	1,978.62	1,987.45	1,958.09	7.00	7.25	-50.21	177.89	300.75	118.82	104.89	13.94	8.526	
2,100.00	2,077.17	2,087.13	2,055.59	7.06	7.31	-51.48	190.25	317.45	126.24	112.18	14.06	8.979	
2,200.00	2,175.71	2,186.82	2,153.08	7.13	7.40	-52.60	202.61	334.16	133.72	119.51	14.22	9.407	
2,300.00	2,274.26	2,286.51	2,250.58	7.21	7.49	-53.61	214.97	350.86	141.25	126.85	14.40	9.808	
2,400.00	2,372.81	2,386.19	2,348.08	7.31	7.60	-54.52	227.32	367.56	148.81	134.20	14.62	10.181	
2,500.00	2,471.36	2,485.88	2,445.58	7.43	7.73	-55.34	239.68	384.26	156.41	141.55	14.86	10.526	
2,600.00	2,569.91	2,585.57	2,543.08	7.55	7.87	-56.08	252.04	400.96	164.03	148.90	15.13	10.842	
2,700.00	2,668.46	2,685.26	2,640.58	7.69	8.03	-56.76	264.40	417.66	171.69	156.26	15.43	11.130	
2,800.00	2,767.01	2,784.94	2,738.07	7.84	8.20	-57.38	276.76	434.37	179.36	163.61	15.75	11.391	
2,900.00	2,865.56	2,884.63	2,835.57	8.01	8.38	-57.94	289.12	451.07	187.05	170.96	16.09	11.625	
3,000.00	2,964.11	2,984.32	2,933.07	8.18	8.57	-58.47	301.48	467.77	194.76	178.30	16.45	11.836	
3,100.00	3,062.66	3,084.01	3,030.57	8.36	8.77	-58.95	313.84	484.47	202.48	185.64	16.84	12.024	
3,200.00	3,161.21	3,183.69	3,128.07	8.55	8.98	-59.40	326.19	501.17	210.22	192.97	17.24	12.190	
3,300.00	3,259.76	3,283.38	3,225.56	8.76	9.20	-59.81	338.55	517.88	217.97	200.30	17.67	12.338	
3,400.00	3,358.31	3,383.07	3,323.06	8.96	9.43	-60.20	350.91	534.58	225.73	207.62	18.11	12.467	
3,500.00	3,456.86	3,482.76	3,420.56	9.18	9.67	-60.56	363.27	551.28	233.50	214.94	18.56	12.581	
3,600.00	3,555.41	3,582.44	3,518.06	9.40	9.91	-60.90	375.63	567.98	241.27	222.25	19.03	12.680	
3,700.00	3,653.96	3,682.13	3,615.56	9.63	10.17	-61.22	387.99	584.68	249.06	229.55	19.51	12.767	
3,800.00	3,752.51	3,781.82	3,713.05	9.87	10.42	-61.52	400.35	601.39	256.85	236.85	20.00	12.841	
3,900.00	3,851.06	3,881.50	3,810.55	10.11	10.69	-61.80	412.71	618.09	264.65	244.14	20.51	12.906	
4,000.00	3,949.61	3,981.19	3,908.05	10.36	10.96	-62.06	425.06	634.79	272.45	251.43	21.02	12.961	
4,100.00	4,048.16	4,080.88	4,005.55	10.61	11.23	-62.31	437.42	651.49	280.27	258.72	21.55	13.008	
4,200.00	4,146.71	4,180.57	4,103.05	10.87	11.51	-62.55	449.78	668.19	288.08	266.00	22.08	13.047	
4,300.00	4,245.26	4,280.25	4,200.54	11.13	11.79	-62.77	462.14	684.89	295.90	273.28	22.62	13.080	
4,400.00	4,343.81	4,379.94	4,298.04	11.39	12.08	-62.98	474.50	701.60	303.72	280.55	23.17	13.107	
4,500.00	4,442.36	4,479.63	4,395.54	11.66	12.37	-63.18	486.86	718.30	311.55	287.82	23.73	13.129	
4,600.00	4,540.91	4,579.32	4,493.04	11.94	12.66	-63.38	499.22	735.00	319.38	295.09	24.29	13.147	
4,700.00	4,639.46	4,679.00	4,590.54	12.21	12.96	-63.56	511.58	751.70	327.22	302.36	24.86	13.160	
4,800.00	4,738.01	4,778.69	4,688.03	12.49	13.26	-63.73	523.93	768.40	335.06	309.62	25.44	13.170	
4,900.00	4,836.56	4,878.38	4,785.53	12.77	13.56	-63.90	536.29	785.11	342.90	316.88	26.02	13.177	
5,000.00	4,935.11	4,978.06	4,883.03	13.05	13.87	-64.06	548.65	801.81	350.74	324.13	26.61	13.181	

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,100.00	5,033.66	5,077.75	4,980.53	13.34	14.18	-64.21	561.01	818.51	358.59	331.39	27.20	13.183		
5,200.00	5,132.21	5,177.44	5,078.03	13.63	14.49	-64.35	573.37	835.21	366.44	338.64	27.80	13.183		
5,300.00	5,230.76	5,277.13	5,175.52	13.92	14.80	-64.49	585.73	851.91	374.29	345.89	28.40	13.181		
5,400.00	5,329.30	5,376.81	5,273.02	14.21	15.12	-64.63	598.09	868.62	382.14	353.14	29.00	13.177		
5,500.00	5,427.85	5,476.50	5,370.52	14.50	15.43	-64.75	610.45	885.32	390.00	360.39	29.61	13.172		
5,600.00	5,526.40	5,576.19	5,468.02	14.80	15.75	-64.88	622.81	902.02	397.86	367.64	30.22	13.165		
5,700.00	5,624.95	5,675.88	5,565.52	15.10	16.07	-64.99	635.16	918.72	405.71	374.88	30.83	13.158		
5,800.00	5,723.50	5,775.56	5,663.01	15.40	16.39	-65.11	647.52	935.42	413.57	382.12	31.45	13.149		
5,900.00	5,822.05	5,875.25	5,760.51	15.70	16.72	-65.22	659.88	952.12	421.44	389.36	32.07	13.140		
6,000.00	5,920.60	5,974.94	5,858.01	16.00	17.04	-65.32	672.24	968.83	429.30	396.60	32.70	13.130		
6,100.00	6,019.15	6,074.62	5,955.51	16.31	17.37	-65.42	684.60	985.53	437.16	403.84	33.32	13.119		
6,200.00	6,117.70	6,174.31	6,053.01	16.61	17.70	-65.52	696.96	1,002.23	445.03	411.08	33.95	13.108		
6,300.00	6,216.25	6,274.00	6,150.50	16.92	18.02	-65.62	709.32	1,018.93	452.90	418.32	34.58	13.097		
6,400.00	6,314.80	6,373.69	6,248.00	17.22	18.35	-65.71	721.68	1,035.63	460.77	425.55	35.21	13.085		
6,500.00	6,413.35	6,473.37	6,345.50	17.53	18.69	-65.80	734.03	1,052.34	468.64	432.79	35.85	13.073		
6,600.00	6,512.28	6,580.54	6,450.95	17.79	18.98	-48.92	747.43	1,065.24	476.36	439.94	36.42	13.081		
6,700.00	6,612.08	6,689.90	6,559.17	17.94	19.18	69.77	761.30	1,060.43	484.12	447.32	36.80	13.155		
6,800.00	6,710.50	6,798.40	6,664.17	18.03	19.29	84.96	774.88	1,037.29	491.87	454.81	37.06	13.272		
6,900.00	6,805.12	6,905.83	6,762.80	18.06	19.34	87.37	787.75	997.01	499.48	462.26	37.21	13.422		
7,000.00	6,893.62	7,012.04	6,852.32	18.06	19.33	87.49	799.56	941.33	506.79	469.49	37.30	13.587		
7,100.00	6,973.81	7,116.90	6,930.49	18.03	19.29	86.81	810.00	872.40	513.66	476.29	37.37	13.745		
7,200.00	7,043.73	7,220.35	6,995.58	18.03	19.25	85.78	818.84	792.63	519.95	482.46	37.49	13.870		
7,300.00	7,101.64	7,322.36	7,046.38	18.07	19.23	84.61	825.90	704.58	525.53	487.81	37.71	13.936		
7,400.00	7,146.13	7,422.93	7,082.19	18.19	19.29	83.40	831.09	610.85	530.26	492.17	38.09	13.921		
7,500.00	7,176.09	7,522.10	7,102.74	18.41	19.45	82.22	834.34	513.99	534.04	495.38	38.65	13.817		
7,600.00	7,190.80	7,632.65	7,108.20	18.73	19.80	81.10	835.67	416.57	536.75	497.30	39.45	13.605		
7,700.00	7,190.87	7,719.67	7,105.15	19.15	20.23	80.70	835.93	316.72	538.19	497.84	40.34	13.340		
7,800.00	7,187.69	7,819.66	7,102.10	19.71	20.85	80.73	836.18	216.78	539.25	497.72	41.53	12.984		
7,900.00	7,184.51	7,919.66	7,099.05	20.39	21.59	80.77	836.44	116.83	540.31	497.36	42.95	12.580		
8,000.00	7,181.33	8,019.65	7,096.00	21.17	22.44	80.80	836.69	16.88	541.37	496.80	44.57	12.147		
8,100.00	7,178.15	8,119.65	7,092.95	22.06	23.37	80.83	836.95	-83.07	542.44	496.06	46.37	11.697		
8,200.00	7,174.98	8,219.64	7,089.90	23.03	24.39	80.86	837.21	-183.01	543.50	495.16	48.34	11.243		
8,300.00	7,171.80	8,319.63	7,086.85	24.08	25.46	80.89	837.46	-282.96	544.56	494.11	50.45	10.794		
8,400.00	7,168.62	8,419.63	7,083.80	25.19	26.60	80.93	837.72	-382.91	545.63	492.94	52.69	10.355		
8,500.00	7,165.44	8,519.62	7,080.75	26.36	27.79	80.96	837.98	-482.85	546.69	491.65	55.04	9.933		
8,600.00	7,162.26	8,619.62	7,077.70	27.59	29.03	80.99	838.23	-582.80	547.75	490.27	57.48	9.529		
8,700.00	7,159.08	8,719.61	7,074.65	28.86	30.31	81.02	838.49	-682.75	548.82	488.80	60.01	9.145		
8,800.00	7,155.90	8,819.60	7,071.60	30.16	31.62	81.05	838.74	-782.70	549.88	487.26	62.62	8.782		
8,900.00	7,152.72	8,919.60	7,068.55	31.50	32.97	81.08	839.00	-882.64	550.94	485.66	65.29	8.439		
9,000.00	7,149.54	9,019.59	7,065.50	32.88	34.34	81.11	839.26	-982.59	552.01	483.99	68.01	8.116		
9,100.00	7,146.36	9,119.59	7,062.45	34.28	35.74	81.14	839.51	-1,082.54	553.07	482.28	70.79	7.812		
9,200.00	7,143.18	9,219.58	7,059.40	35.70	37.16	81.18	839.77	-1,182.48	554.14	480.52	73.62	7.527		
9,300.00	7,140.00	9,319.57	7,056.35	37.14	38.59	81.21	840.03	-1,282.43	555.20	478.72	76.48	7.259		
9,400.00	7,136.82	9,419.57	7,053.30	38.60	40.05	81.24	840.28	-1,382.38	556.27	476.88	79.38	7.007		
9,500.00	7,133.64	9,519.56	7,050.25	40.08	41.52	81.27	840.54	-1,482.32	557.33	475.02	82.32	6.771		
9,600.00	7,130.46	9,619.56	7,047.20	41.57	43.01	81.30	840.79	-1,582.27	558.40	473.12	85.28	6.548		
9,700.00	7,127.28	9,719.55	7,044.15	43.08	44.51	81.33	841.05	-1,682.22	559.46	471.20	88.27	6.338		
9,800.00	7,124.10	9,819.54	7,041.10	44.59	46.02	81.36	841.31	-1,782.17	560.53	469.25	91.28	6.141		
9,900.00	7,120.92	9,919.54	7,038.05	46.12	47.55	81.39	841.56	-1,882.11	561.59	467.28	94.31	5.955		
10,000.00	7,117.74	10,019.53	7,035.00	47.66	49.08	81.42	841.82	-1,982.06	562.66	465.30	97.37	5.779		
10,100.00	7,114.57	10,119.52	7,031.95	49.20	50.62	81.45	842.08	-2,082.01	563.73	463.29	100.43	5.613		
10,200.00	7,111.39	10,219.52	7,028.91	50.76	52.17	81.48	842.33	-2,181.95	564.79	461.27	103.52	5.456		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
10,300.00	7,108.21	10,319.51	7,025.86	52.32	53.72	81.51	842.59	-2,281.90	565.86	459.24	106.62	5.307		
10,400.00	7,105.03	10,419.51	7,022.81	53.88	55.28	81.53	842.85	-2,381.85	566.93	457.19	109.73	5.166		
10,500.00	7,101.85	10,519.50	7,019.76	55.46	56.85	81.56	843.10	-2,481.79	567.99	455.13	112.86	5.033		
10,600.00	7,098.67	10,619.49	7,016.71	57.04	58.43	81.59	843.36	-2,581.74	569.06	453.06	116.00	4.906		
10,700.00	7,095.49	10,719.49	7,013.66	58.62	60.01	81.62	843.61	-2,681.69	570.13	450.98	119.15	4.785		
10,800.00	7,092.31	10,819.48	7,010.61	60.21	61.59	81.65	843.87	-2,781.64	571.19	448.89	122.30	4.670		
10,900.00	7,089.13	10,919.48	7,007.56	61.80	63.18	81.68	844.13	-2,881.58	572.26	446.79	125.47	4.561		
11,000.00	7,085.95	11,019.47	7,004.51	63.40	64.77	81.71	844.38	-2,981.53	573.33	444.68	128.64	4.457		
11,100.00	7,082.77	11,119.46	7,001.46	65.00	66.37	81.74	844.64	-3,081.48	574.39	442.57	131.83	4.357		
11,200.00	7,079.59	11,119.46	6,998.41	66.61	67.97	81.76	844.90	-3,181.42	575.46	440.45	135.02	4.262		
11,300.00	7,076.41	11,319.45	6,995.36	68.21	69.57	81.79	845.15	-3,281.37	576.53	438.32	138.21	4.171		
11,400.00	7,073.23	11,419.45	6,992.31	69.82	71.18	81.82	845.41	-3,381.32	577.60	436.18	141.42	4.084		
11,500.00	7,070.05	11,519.44	6,989.26	71.44	72.79	81.85	845.66	-3,481.27	578.67	434.04	144.62	4.001		
11,600.00	7,066.87	11,619.43	6,986.21	73.05	74.40	81.88	845.92	-3,581.21	579.73	431.90	147.84	3.921		
11,700.00	7,063.69	11,719.43	6,983.16	74.67	76.02	81.91	846.18	-3,681.16	580.80	429.75	151.06	3.845		
11,800.00	7,060.51	11,819.42	6,980.11	76.29	77.64	81.93	846.43	-3,781.11	581.87	427.59	154.28	3.772		
11,900.00	7,057.33	11,919.41	6,977.06	77.92	79.26	81.96	846.69	-3,881.05	582.94	425.43	157.51	3.701		
12,000.00	7,054.15	12,019.41	6,974.01	79.54	80.88	81.99	846.95	-3,981.00	584.01	423.27	160.74	3.633		
12,100.00	7,050.98	12,119.40	6,970.96	81.17	82.50	82.02	847.20	-4,080.95	585.08	421.10	163.98	3.568		
12,200.00	7,047.80	12,219.40	6,967.91	82.80	84.13	82.04	847.46	-4,180.89	586.15	418.93	167.22	3.505		
12,300.00	7,044.62	12,319.39	6,964.86	84.43	85.75	82.07	847.71	-4,280.84	587.21	416.75	170.46	3.445		
12,400.00	7,041.44	12,419.38	6,961.81	86.06	87.38	82.10	847.97	-4,380.79	588.28	414.57	173.71	3.387		
12,500.00	7,038.26	12,519.38	6,958.76	87.69	89.01	82.13	848.23	-4,480.74	589.35	412.39	176.96	3.330		
12,600.00	7,035.08	12,619.37	6,955.71	89.33	90.65	82.15	848.48	-4,580.68	590.42	410.21	180.22	3.276		
12,700.00	7,031.90	12,719.37	6,952.66	90.96	92.28	82.18	848.74	-4,680.63	591.49	408.02	183.47	3.224		
12,800.00	7,028.72	12,819.36	6,949.61	92.60	93.92	82.21	849.00	-4,780.58	592.56	405.83	186.73	3.173		
12,900.00	7,025.54	12,919.35	6,946.56	94.24	95.55	82.23	849.25	-4,880.52	593.63	403.64	190.00	3.124		
13,000.00	7,022.36	13,019.35	6,943.51	95.88	97.19	82.26	849.51	-4,980.47	594.70	401.44	193.26	3.077		
13,100.00	7,019.18	13,119.34	6,940.46	97.52	98.83	82.29	849.76	-5,080.42	595.77	399.24	196.53	3.031		
13,200.00	7,016.00	13,219.34	6,937.41	99.16	100.47	82.31	850.02	-5,180.37	596.84	397.04	199.80	2.987		
13,300.00	7,012.82	13,319.33	6,934.36	100.80	102.11	82.34	850.28	-5,280.31	597.91	394.84	203.07	2.944		
13,400.00	7,009.64	13,419.32	6,931.31	102.44	103.75	82.36	850.53	-5,380.26	598.98	392.64	206.34	2.903		
13,500.00	7,006.46	13,519.32	6,928.26	104.09	105.39	82.39	850.79	-5,480.21	600.05	390.43	209.62	2.863		
13,600.00	7,003.28	13,619.31	6,925.21	105.73	107.04	82.42	851.05	-5,580.15	601.13	388.23	212.90	2.824		
13,700.00	7,000.10	13,719.30	6,922.16	107.38	108.68	82.44	851.30	-5,680.10	602.20	386.02	216.18	2.786		
13,800.00	6,996.92	13,819.30	6,919.11	109.03	110.33	82.47	851.56	-5,780.05	603.27	383.81	219.46	2.749		
13,900.00	6,993.74	13,919.29	6,916.06	110.67	111.97	82.49	851.81	-5,879.99	604.34	381.59	222.74	2.713		
14,000.00	6,990.57	14,019.29	6,913.01	112.32	113.62	82.52	852.07	-5,979.94	605.41	379.38	226.03	2.678		
14,100.00	6,987.39	14,119.28	6,909.96	113.97	115.27	82.55	852.33	-6,079.89	606.48	377.17	229.31	2.645		
14,200.00	6,984.21	14,219.27	6,906.91	115.62	116.92	82.57	852.58	-6,179.84	607.55	374.95	232.60	2.612		
14,300.00	6,981.03	14,319.27	6,903.86	117.27	118.56	82.60	852.84	-6,279.78	608.62	372.73	235.89	2.580		
14,400.00	6,977.85	14,419.26	6,900.81	118.92	120.21	82.62	853.10	-6,379.73	609.70	370.51	239.18	2.549		
14,500.00	6,974.67	14,519.26	6,897.76	120.57	121.86	82.65	853.35	-6,479.68	610.77	368.29	242.48	2.519		
14,600.00	6,971.49	14,619.25	6,894.71	122.22	123.52	82.67	853.61	-6,579.62	611.84	366.07	245.77	2.489		
14,700.00	6,968.31	14,719.24	6,891.66	123.87	125.17	82.70	853.87	-6,679.57	612.91	363.85	249.06	2.461		
14,800.00	6,965.13	14,819.24	6,888.61	125.53	126.82	82.72	854.12	-6,779.52	613.98	361.62	252.36	2.433		
14,900.00	6,961.95	14,919.23	6,885.56	127.18	128.47	82.75	854.38	-6,879.46	615.06	359.40	255.66	2.406		
15,000.00	6,958.77	15,019.23	6,882.51	128.83	130.12	82.77	854.63	-6,979.41	616.13	357.17	258.96	2.379		
15,100.00	6,955.59	15,119.22	6,879.46	130.49	131.78	82.80	854.89	-7,079.36	617.20	354.95	262.25	2.353		
15,200.00	6,952.41	15,219.21	6,876.41	132.14	133.43	82.82	855.15	-7,179.31	618.27	352.72	265.56	2.328		
15,300.00	6,949.23	15,319.21	6,873.36	133.80	135.09	82.85	855.40	-7,279.25	619.35	350.49	268.86	2.304		
15,400.00	6,946.05	15,419.20	6,870.31	135.45	136.74	82.87	855.66	-7,379.20	620.42	348.26	272.16	2.280		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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							
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	6,942.87	15,519.19	6,867.26	137.11	138.39	82.90	855.92	-7,479.15	621.49	346.03	275.46	2.256	
15,533.10	6,941.82	15,552.29	6,866.25	137.66	138.94	82.90	856.00	-7,512.23	621.85	345.29	276.55	2.249 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	90.52	-0.72	79.90	79.91				
100.00	100.00	101.00	101.00	3.28	3.28	90.52	-0.72	79.90	79.91	72.38	7.53	10.613	
200.00	200.00	201.00	201.00	3.31	3.31	90.52	-0.72	79.90	79.91	72.33	7.57	10.550	
300.00	299.98	299.98	299.98	3.35	3.35	16.16	-0.43	80.23	78.56	70.89	7.66	10.254	
400.00	399.84	398.00	397.94	3.42	3.42	15.50	1.86	82.72	76.05	68.27	7.78	9.770	
500.00	499.45	496.02	495.71	3.51	3.50	13.74	6.40	87.69	72.76	64.81	7.95	9.157	
600.00	598.70	593.98	593.16	3.63	3.62	10.65	13.20	95.12	68.81	60.67	8.14	8.449	
700.00	697.47	691.87	690.12	3.78	3.75	5.91	22.23	105.00	64.51	56.13	8.38	7.699	
800.00	796.02	789.67	786.49	3.97	3.92	-0.84	33.48	117.30	62.41	53.77	8.64	7.222	
802.21	798.20	791.83	788.61	3.97	3.92	-1.01	33.76	117.60	62.41	53.77	8.65	7.217 CC, ES	
900.00	894.57	887.24	881.99	4.18	4.13	-8.87	46.91	131.98	64.51	55.57	8.94	7.217	
1,000.00	993.12	986.45	978.69	4.41	4.37	-16.67	61.91	148.37	69.84	60.52	9.32	7.493	
1,100.00	1,091.67	1,085.88	1,075.59	4.67	4.65	-23.29	76.95	164.82	76.31	66.55	9.76	7.819	
1,200.00	1,190.22	1,185.31	1,172.49	4.94	4.95	-28.83	91.99	181.26	83.63	73.39	10.24	8.166	
1,300.00	1,288.77	1,284.75	1,269.40	5.22	5.27	-33.44	107.03	197.70	91.60	80.84	10.76	8.510	
1,400.00	1,387.32	1,384.18	1,366.30	5.52	5.60	-37.29	122.07	214.14	100.07	88.75	11.32	8.841	
1,500.00	1,485.87	1,483.61	1,463.21	5.82	5.95	-40.53	137.11	230.58	108.92	97.02	11.90	9.151	
1,600.00	1,584.42	1,583.05	1,560.11	6.14	6.31	-43.28	152.15	247.03	118.06	105.55	12.51	9.437	
1,700.00	1,682.97	1,682.48	1,657.01	6.46	6.68	-45.64	167.19	263.47	127.44	114.30	13.14	9.700	
1,800.00	1,781.52	1,781.91	1,753.92	6.79	7.05	-47.66	182.23	279.91	137.00	123.22	13.78	9.940	
1,900.00	1,880.07	1,881.35	1,850.82	6.96	7.29	-49.42	197.27	296.35	146.71	132.92	13.79	10.638	
2,000.00	1,978.62	1,980.78	1,947.73	7.00	7.37	-50.97	212.31	312.79	156.53	142.62	13.91	11.251	
2,100.00	2,077.17	2,080.21	2,044.63	7.06	7.44	-52.32	227.35	329.23	166.46	152.42	14.04	11.858	
2,200.00	2,175.71	2,179.64	2,141.54	7.13	7.53	-53.53	242.39	345.68	176.47	162.27	14.19	12.432	
2,300.00	2,274.26	2,279.08	2,238.44	7.21	7.63	-54.61	257.43	362.12	186.55	172.16	14.38	12.971	
2,400.00	2,372.81	2,378.51	2,335.34	7.31	7.75	-55.57	272.47	378.56	196.68	182.08	14.60	13.472	
2,500.00	2,471.36	2,477.94	2,432.25	7.43	7.88	-56.44	287.51	395.00	206.87	192.02	14.85	13.935	
2,600.00	2,569.91	2,577.38	2,529.15	7.55	8.03	-57.23	302.55	411.44	217.10	201.98	15.12	14.359	
2,700.00	2,668.46	2,676.81	2,626.06	7.69	8.19	-57.95	317.59	427.89	227.37	211.95	15.42	14.746	
2,800.00	2,767.01	2,776.24	2,722.96	7.84	8.36	-58.60	332.63	444.33	237.66	221.92	15.74	15.096	
2,900.00	2,865.56	2,875.68	2,819.86	8.01	8.55	-59.21	347.67	460.77	247.99	231.90	16.09	15.411	
3,000.00	2,964.11	2,975.11	2,916.77	8.18	8.75	-59.76	362.71	477.21	258.34	241.88	16.46	15.694	
3,100.00	3,062.66	3,074.54	3,013.67	8.36	8.96	-60.27	377.75	493.65	268.72	251.86	16.85	15.945	
3,200.00	3,161.21	3,173.97	3,110.58	8.55	9.18	-60.74	392.79	510.10	279.11	261.85	17.26	16.169	
3,300.00	3,259.76	3,273.41	3,207.48	8.76	9.41	-61.18	407.83	526.54	289.52	271.83	17.69	16.367	
3,400.00	3,358.31	3,372.84	3,304.38	8.96	9.65	-61.59	422.87	542.98	299.95	281.81	18.13	16.541	
3,500.00	3,456.86	3,472.27	3,401.29	9.18	9.89	-61.97	437.91	559.42	310.39	291.80	18.59	16.694	
3,600.00	3,555.41	3,571.71	3,498.19	9.40	10.15	-62.33	452.95	575.86	320.84	301.78	19.07	16.828	
3,700.00	3,653.96	3,671.14	3,595.10	9.63	10.41	-62.66	467.99	592.30	331.31	311.75	19.55	16.944	
3,800.00	3,752.51	3,770.57	3,692.00	9.87	10.67	-62.97	483.03	608.75	341.78	321.73	20.05	17.044	
3,900.00	3,851.06	3,870.01	3,788.90	10.11	10.94	-63.27	498.07	625.19	352.27	331.70	20.56	17.131	
4,000.00	3,949.61	3,969.44	3,885.81	10.36	11.22	-63.54	513.11	641.63	362.76	341.68	21.08	17.205	
4,100.00	4,048.16	4,068.87	3,982.71	10.61	11.51	-63.81	528.15	658.07	373.26	351.65	21.62	17.269	
4,200.00	4,146.71	4,168.30	4,079.62	10.87	11.79	-64.05	543.18	674.51	383.77	361.61	22.15	17.322	
4,300.00	4,245.26	4,267.74	4,176.52	11.13	12.08	-64.29	558.22	690.96	394.28	371.58	22.70	17.367	
4,400.00	4,343.81	4,367.17	4,273.42	11.39	12.38	-64.51	573.26	707.40	404.81	381.55	23.26	17.404	
4,500.00	4,442.36	4,466.60	4,370.33	11.66	12.68	-64.72	588.30	723.84	415.33	391.51	23.82	17.434	
4,600.00	4,540.91	4,566.04	4,467.23	11.94	12.98	-64.92	603.34	740.28	425.86	401.47	24.39	17.458	
4,700.00	4,639.46	4,665.47	4,564.14	12.21	13.29	-65.11	618.38	756.72	436.40	411.43	24.97	17.477	
4,800.00	4,738.01	4,764.90	4,661.04	12.49	13.60	-65.29	633.42	773.16	446.94	421.39	25.55	17.491	
4,900.00	4,836.56	4,864.34	4,757.94	12.77	13.91	-65.47	648.46	789.61	457.49	431.35	26.14	17.501	
5,000.00	4,935.11	4,963.77	4,854.85	13.05	14.23	-65.63	663.50	806.05	468.04	441.31	26.73	17.508	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
5,100.00	5,033.66	5,063.20	4,951.75	13.34	14.55	-65.79	678.54	822.49	478.59	451.26	27.33	17.511	
5,200.00	5,132.21	5,162.64	5,048.66	13.63	14.87	-65.94	693.58	838.93	489.15	461.22	27.93	17.511	
5,300.00	5,230.76	5,262.07	5,145.56	13.92	15.19	-66.09	708.62	855.37	499.71	471.17	28.54	17.509	
5,400.00	5,329.30	5,361.50	5,242.46	14.21	15.51	-66.23	723.66	871.82	510.28	481.12	29.15	17.505	
5,500.00	5,427.85	5,460.93	5,339.37	14.50	15.84	-66.36	738.70	888.26	520.84	491.08	29.77	17.498	
5,600.00	5,526.40	5,560.37	5,436.27	14.80	16.17	-66.49	753.74	904.70	531.41	501.03	30.38	17.491	
5,700.00	5,624.95	5,659.80	5,533.18	15.10	16.50	-66.61	768.78	921.14	541.98	510.98	31.00	17.481	
5,800.00	5,723.50	5,759.23	5,630.08	15.40	16.83	-66.73	783.82	937.58	552.56	520.93	31.63	17.471	
5,900.00	5,822.05	5,858.67	5,726.99	15.70	17.16	-66.84	798.86	954.02	563.13	530.88	32.25	17.459	
6,000.00	5,920.60	5,958.10	5,823.89	16.00	17.50	-66.95	813.90	970.47	573.71	540.83	32.88	17.447	
6,100.00	6,019.15	6,057.53	5,920.79	16.31	17.83	-67.06	828.94	986.91	584.29	550.77	33.52	17.433	
6,200.00	6,117.70	6,156.97	6,017.70	16.61	18.17	-67.16	843.98	1,003.35	594.87	560.72	34.15	17.419	
6,300.00	6,216.25	6,256.40	6,114.60	16.92	18.51	-67.26	859.02	1,019.79	605.46	570.67	34.79	17.404	
6,400.00	6,314.80	6,355.83	6,211.51	17.22	18.85	-67.35	874.06	1,036.23	616.04	580.62	35.43	17.389	
6,500.00	6,413.35	6,455.26	6,308.41	17.53	19.19	-67.45	889.10	1,052.68	626.63	590.56	36.07	17.374	
6,600.00	6,512.28	6,554.60	6,405.21	17.79	19.53	-50.28	904.13	1,069.10	637.57	600.93	36.64	17.401	
6,700.00	6,612.08	6,659.47	6,507.81	17.94	19.84	69.84	920.09	1,083.43	650.10	613.06	37.04	17.553	
6,800.00	6,710.50	6,771.73	6,618.53	18.03	20.08	86.59	937.57	1,081.22	663.07	625.76	37.31	17.770	
6,900.00	6,805.12	6,887.12	6,730.08	18.06	20.23	90.47	955.47	1,058.49	675.88	638.39	37.49	18.028	
7,000.00	6,893.62	7,005.34	6,838.19	18.06	20.30	91.90	973.13	1,014.49	688.09	650.50	37.59	18.305	
7,100.00	6,973.81	7,125.88	6,938.18	18.03	20.30	92.36	989.79	949.59	699.26	661.60	37.66	18.570	
7,200.00	7,043.73	7,248.00	7,025.29	18.03	20.25	92.25	1,004.70	865.59	709.02	671.26	37.75	18.780	
7,300.00	7,101.64	7,370.80	7,095.28	18.07	20.17	91.77	1,017.13	765.69	717.08	679.11	37.97	18.885	
7,400.00	7,146.13	7,493.28	7,144.92	18.19	20.12	91.01	1,026.52	654.32	723.25	684.88	38.37	18.848	
7,500.00	7,176.09	7,614.47	7,172.42	18.41	20.17	90.04	1,032.50	536.63	727.44	688.45	38.99	18.655	
7,600.00	7,190.80	7,731.63	7,177.69	18.73	20.44	88.95	1,034.97	419.78	729.66	689.85	39.82	18.326	
7,700.00	7,190.87	7,831.51	7,174.60	19.15	20.92	88.61	1,035.89	319.95	731.34	690.59	40.75	17.947	
7,800.00	7,187.69	7,931.50	7,171.50	19.71	21.56	88.62	1,036.81	220.02	733.10	691.18	41.91	17.491	
7,900.00	7,184.51	8,031.48	7,168.41	20.39	22.32	88.63	1,037.72	120.08	734.85	691.54	43.31	16.969	
8,000.00	7,181.33	8,131.46	7,165.32	21.17	23.18	88.64	1,038.64	20.15	736.61	691.70	44.91	16.402	
8,100.00	7,178.15	8,231.45	7,162.23	22.06	24.12	88.65	1,039.55	-79.78	738.36	691.66	46.70	15.811	
8,200.00	7,174.98	8,331.43	7,159.14	23.03	25.14	88.66	1,040.47	-179.71	740.11	691.46	48.66	15.211	
8,300.00	7,171.80	8,431.42	7,156.05	24.08	26.22	88.67	1,041.38	-279.65	741.87	691.11	50.76	14.615	
8,400.00	7,168.62	8,531.40	7,152.95	25.19	27.35	88.68	1,042.30	-379.58	743.62	690.63	52.99	14.032	
8,500.00	7,165.44	8,631.39	7,149.86	26.36	28.54	88.69	1,043.22	-479.51	745.38	690.04	55.34	13.469	
8,600.00	7,162.26	8,731.37	7,146.77	27.59	29.77	88.70	1,044.13	-579.44	747.13	689.35	57.78	12.930	
8,700.00	7,159.08	8,831.36	7,143.68	28.86	31.04	88.71	1,045.05	-679.38	748.89	688.57	60.32	12.416	
8,800.00	7,155.90	8,931.34	7,140.59	30.16	32.34	88.72	1,045.96	-779.31	750.64	687.72	62.93	11.929	
8,900.00	7,152.72	9,031.33	7,137.49	31.50	33.68	88.73	1,046.88	-879.24	752.40	686.80	65.60	11.469	
9,000.00	7,149.54	9,131.31	7,134.40	32.88	35.04	88.74	1,047.80	-979.17	754.15	685.81	68.34	11.036	
9,100.00	7,146.36	9,231.29	7,131.31	34.28	36.43	88.75	1,048.71	-1,079.11	755.91	684.78	71.13	10.628	
9,200.00	7,143.18	9,331.28	7,128.22	35.70	37.84	88.76	1,049.63	-1,179.04	757.66	683.70	73.96	10.244	
9,300.00	7,140.00	9,431.26	7,125.13	37.14	39.27	88.77	1,050.54	-1,278.97	759.42	682.58	76.84	9.884	
9,400.00	7,136.82	9,531.25	7,122.03	38.60	40.72	88.78	1,051.46	-1,378.90	761.17	681.42	79.75	9.545	
9,500.00	7,133.64	9,631.23	7,118.94	40.08	42.18	88.79	1,052.37	-1,478.84	762.93	680.23	82.69	9.226	
9,600.00	7,130.46	9,731.22	7,115.85	41.57	43.66	88.80	1,053.29	-1,578.77	764.68	679.01	85.67	8.926	
9,700.00	7,127.28	9,831.20	7,112.76	43.08	45.15	88.81	1,054.21	-1,678.70	766.44	677.77	88.67	8.644	
9,800.00	7,124.10	9,931.19	7,109.67	44.59	46.66	88.82	1,055.12	-1,778.63	768.19	676.50	91.69	8.378	
9,900.00	7,120.92	10,031.17	7,106.58	46.12	48.17	88.82	1,056.04	-1,878.57	769.95	675.21	94.74	8.127	
10,000.00	7,117.74	10,131.16	7,103.48	47.66	49.70	88.83	1,056.95	-1,978.50	771.70	673.90	97.81	7.890	
10,100.00	7,114.57	10,231.14	7,100.39	49.20	51.23	88.84	1,057.87	-2,078.43	773.46	672.57	100.89	7.666	
10,200.00	7,111.39	10,331.12	7,097.30	50.76	52.77	88.85	1,058.79	-2,178.36	775.21	671.22	103.99	7.455	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							
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	7,108.21	10,431.11	7,094.21	52.32	54.32	88.86	1,059.70	-2,278.30	776.97	669.86	107.10	7.254		
10,400.00	7,105.03	10,531.09	7,091.12	53.88	55.88	88.87	1,060.62	-2,378.23	778.72	668.49	110.23	7.064		
10,500.00	7,101.85	10,631.08	7,088.02	55.46	57.44	88.88	1,061.53	-2,478.16	780.48	667.11	113.37	6.884		
10,600.00	7,098.67	10,731.06	7,084.93	57.04	59.01	88.89	1,062.45	-2,578.09	782.23	665.71	116.52	6.713		
10,700.00	7,095.49	10,831.05	7,081.84	58.62	60.59	88.90	1,063.37	-2,678.03	783.99	664.30	119.68	6.550		
10,800.00	7,092.31	10,931.03	7,078.75	60.21	62.16	88.91	1,064.28	-2,777.96	785.74	662.89	122.86	6.396		
10,900.00	7,089.13	11,031.02	7,075.66	61.80	63.75	88.91	1,065.20	-2,877.89	787.50	661.46	126.04	6.248		
11,000.00	7,085.95	11,131.00	7,072.56	63.40	65.34	88.92	1,066.11	-2,977.82	789.25	660.03	129.22	6.108		
11,100.00	7,082.77	11,230.98	7,069.47	65.00	66.93	88.93	1,067.03	-3,077.76	791.01	658.59	132.42	5.973		
11,200.00	7,079.59	11,330.97	7,066.38	66.61	68.53	88.94	1,067.94	-3,177.69	792.76	657.14	135.62	5.845		
11,300.00	7,076.41	11,430.95	7,063.29	68.21	70.12	88.95	1,068.86	-3,277.62	794.52	655.68	138.83	5.723		
11,400.00	7,073.23	11,530.94	7,060.20	69.82	71.73	88.96	1,069.78	-3,377.55	796.27	654.22	142.05	5.606		
11,500.00	7,070.05	11,630.92	7,057.11	71.44	73.33	88.97	1,070.69	-3,477.49	798.03	652.76	145.27	5.493		
11,600.00	7,066.87	11,730.91	7,054.01	73.05	74.94	88.97	1,071.61	-3,577.42	799.78	651.28	148.50	5.386		
11,700.00	7,063.69	11,830.89	7,050.92	74.67	76.55	88.98	1,072.52	-3,677.35	801.54	649.81	151.73	5.283		
11,800.00	7,060.51	11,930.88	7,047.83	76.29	78.17	88.99	1,073.44	-3,777.28	803.30	648.33	154.97	5.184		
11,900.00	7,057.33	12,030.86	7,044.74	77.92	79.78	89.00	1,074.36	-3,877.22	805.05	646.84	158.21	5.088		
12,000.00	7,054.15	12,130.85	7,041.65	79.54	81.40	89.01	1,075.27	-3,977.15	806.81	645.35	161.46	4.997		
12,100.00	7,050.98	12,230.83	7,038.55	81.17	83.02	89.02	1,076.19	-4,077.08	808.56	643.86	164.71	4.909		
12,200.00	7,047.80	12,330.81	7,035.46	82.80	84.65	89.02	1,077.10	-4,177.01	810.32	642.36	167.96	4.824		
12,300.00	7,044.62	12,430.80	7,032.37	84.43	86.27	89.03	1,078.02	-4,276.95	812.07	640.86	171.22	4.743		
12,400.00	7,041.44	12,530.78	7,029.28	86.06	87.90	89.04	1,078.93	-4,376.88	813.83	639.35	174.48	4.664		
12,500.00	7,038.26	12,630.77	7,026.19	87.69	89.53	89.05	1,079.85	-4,476.81	815.58	637.84	177.74	4.589		
12,600.00	7,035.08	12,730.75	7,023.09	89.33	91.16	89.06	1,080.77	-4,576.74	817.34	636.33	181.00	4.516		
12,700.00	7,031.90	12,830.74	7,020.00	90.96	92.79	89.07	1,081.68	-4,676.68	819.09	634.82	184.27	4.445		
12,800.00	7,028.72	12,930.72	7,016.91	92.60	94.42	89.07	1,082.60	-4,776.61	820.85	633.30	187.54	4.377		
12,900.00	7,025.54	13,030.71	7,013.82	94.24	96.05	89.08	1,083.51	-4,876.54	822.60	631.79	190.82	4.311		
13,000.00	7,022.36	13,130.69	7,010.73	95.88	97.69	89.09	1,084.43	-4,976.47	824.36	630.27	194.09	4.247		
13,100.00	7,019.18	13,230.68	7,007.63	97.52	99.33	89.10	1,085.35	-5,076.41	826.12	628.74	197.37	4.186		
13,200.00	7,016.00	13,330.66	7,004.54	99.16	100.96	89.11	1,086.26	-5,176.34	827.87	627.22	200.65	4.126		
13,300.00	7,012.82	13,430.64	7,001.45	100.80	102.60	89.11	1,087.18	-5,276.27	829.63	625.69	203.94	4.068		
13,400.00	7,009.64	13,530.63	6,998.36	102.44	104.24	89.12	1,088.09	-5,376.20	831.38	624.16	207.22	4.012		
13,500.00	7,006.46	13,630.61	6,995.27	104.09	105.88	89.13	1,089.01	-5,476.14	833.14	622.63	210.51	3.958		
13,600.00	7,003.28	13,730.60	6,992.18	105.73	107.53	89.14	1,089.93	-5,576.07	834.89	621.10	213.80	3.905		
13,700.00	7,000.10	13,830.58	6,989.08	107.38	109.17	89.14	1,090.84	-5,676.00	836.65	619.56	217.09	3.854		
13,800.00	6,996.92	13,930.57	6,985.99	109.03	110.81	89.15	1,091.76	-5,775.93	838.41	618.03	220.38	3.804		
13,900.00	6,993.74	14,030.55	6,982.90	110.67	112.46	89.16	1,092.67	-5,875.87	840.16	616.49	223.67	3.756		
14,000.00	6,990.57	14,130.54	6,979.81	112.32	114.10	89.17	1,093.59	-5,975.80	841.92	614.95	226.96	3.709		
14,100.00	6,987.39	14,230.52	6,976.72	113.97	115.75	89.17	1,094.50	-6,075.73	843.67	613.41	230.26	3.664		
14,200.00	6,984.21	14,330.51	6,973.62	115.62	117.40	89.18	1,095.42	-6,175.66	845.43	611.87	233.56	3.620		
14,300.00	6,981.03	14,430.49	6,970.53	117.27	119.04	89.19	1,096.34	-6,275.60	847.18	610.33	236.86	3.577		
14,400.00	6,977.85	14,530.47	6,967.44	118.92	120.69	89.20	1,097.25	-6,375.53	848.94	608.78	240.16	3.535		
14,500.00	6,974.67	14,630.46	6,964.35	120.57	122.34	89.21	1,098.17	-6,475.46	850.70	607.24	243.46	3.494		
14,600.00	6,971.49	14,730.44	6,961.26	122.22	123.99	89.21	1,099.08	-6,575.39	852.45	605.69	246.76	3.455		
14,700.00	6,968.31	14,830.43	6,958.16	123.87	125.64	89.22	1,100.00	-6,675.33	854.21	604.15	250.06	3.416		
14,800.00	6,965.13	14,930.41	6,955.07	125.53	127.29	89.23	1,100.92	-6,775.26	855.96	602.60	253.37	3.378		
14,900.00	6,961.95	15,030.40	6,951.98	127.18	128.94	89.23	1,101.83	-6,875.19	857.72	601.05	256.67	3.342		
15,000.00	6,958.77	15,130.38	6,948.89	128.83	130.59	89.24	1,102.75	-6,975.12	859.47	599.50	259.98	3.306		
15,100.00	6,955.59	15,230.37	6,945.80	130.49	132.25	89.25	1,103.66	-7,075.06	861.23	597.95	263.28	3.271		
15,200.00	6,952.41	15,330.35	6,942.71	132.14	133.90	89.26	1,104.58	-7,174.99	862.99	596.39	266.59	3.237		
15,300.00	6,949.23	15,430.33	6,939.61	133.80	135.55	89.26	1,105.49	-7,274.92	864.74	594.84	269.90	3.204		
15,400.00	6,946.05	15,530.32	6,936.52	135.45	137.21	89.27	1,106.41	-7,374.85	866.50	593.29	273.21	3.172		



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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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							
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	6,942.87	15,630.30	6,933.43	137.11	138.86	89.28	1,107.33	-7,474.79	868.25	591.73	276.52	3.140	
15,533.10	6,941.82	15,663.40	6,932.41	137.66	139.41	89.28	1,107.63	-7,507.86	868.83	591.22	277.62	3.130 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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 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						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	-89.48	0.36	-40.09	40.09				
100.00	100.00	100.00	100.00	3.28	3.28	-89.48	0.36	-40.09	40.09	32.56	7.53	5.325	
200.00	200.00	200.00	200.00	3.31	3.31	-89.48	0.36	-40.09	40.09	32.52	7.57	5.294 CC	
300.00	299.98	300.02	299.98	3.35	3.35	-164.63	0.36	-40.09	41.77	34.11	7.66	5.452	
400.00	399.84	400.16	399.84	3.42	3.42	-166.30	0.36	-40.09	46.84	39.04	7.80	6.008	
500.00	499.45	500.55	499.45	3.51	3.50	-168.41	0.36	-40.09	55.35	47.37	7.97	6.941	
600.00	598.70	601.30	598.70	3.63	3.61	-170.45	0.36	-40.09	67.33	59.13	8.20	8.215	
700.00	697.47	702.53	697.47	3.78	3.74	-172.21	0.36	-40.09	82.78	74.31	8.46	9.779	
800.00	796.02	796.02	796.02	3.97	3.87	-173.53	0.36	-40.09	99.62	90.88	8.74	11.395	
900.00	894.57	898.45	898.43	4.18	4.01	-174.68	0.31	-38.40	114.91	105.87	9.04	12.706	
1,000.00	993.12	1,001.97	1,001.80	4.41	4.17	-175.94	0.12	-32.98	126.77	117.40	9.36	13.537	
1,100.00	1,091.67	1,106.19	1,105.61	4.67	4.34	-177.39	-0.21	-23.75	135.18	125.47	9.71	13.920	
1,200.00	1,190.22	1,210.84	1,209.43	4.94	4.54	-179.09	-0.66	-10.70	140.18	130.09	10.08	13.902	
1,300.00	1,288.77	1,315.64	1,312.86	5.22	4.77	178.85	-1.25	6.16	141.80	131.32	10.48	13.528	
1,400.00	1,387.32	1,415.83	1,411.39	5.52	5.01	176.63	-1.89	24.33	141.65	130.72	10.93	12.955	
1,426.01	1,412.95	1,441.80	1,436.92	5.60	5.08	176.06	-2.05	29.04	141.64	130.59	11.06	12.811	
1,500.00	1,485.87	1,515.68	1,509.58	5.82	5.27	174.42	-2.52	42.45	141.70	130.29	11.41	12.414	
1,600.00	1,584.42	1,615.53	1,607.77	6.14	5.55	172.22	-3.15	60.56	141.96	130.04	11.92	11.909	
1,700.00	1,682.97	1,715.38	1,705.96	6.46	5.84	170.02	-3.78	78.68	142.44	129.98	12.45	11.439	
1,800.00	1,781.52	1,815.23	1,804.15	6.79	6.12	167.85	-4.42	96.80	143.12	130.30	12.81	11.169	
1,900.00	1,880.07	1,915.08	1,902.34	6.96	6.27	165.70	-5.05	114.91	144.00	131.10	12.90	11.167	
2,000.00	1,978.62	2,014.93	2,000.53	7.00	6.31	163.57	-5.68	133.03	145.09	132.11	12.97	11.182	
2,100.00	2,077.17	2,114.78	2,098.73	7.06	6.36	161.48	-6.31	151.15	146.37	133.28	13.09	11.181	
2,200.00	2,175.71	2,214.63	2,196.92	7.13	6.44	159.43	-6.95	169.26	147.84	134.60	13.24	11.162	
2,300.00	2,274.26	2,314.48	2,295.11	7.21	6.53	157.43	-7.58	187.38	149.50	136.07	13.43	11.129	
2,400.00	2,372.81	2,414.33	2,393.30	7.31	6.64	155.47	-8.21	205.50	151.34	137.68	13.66	11.081	
2,500.00	2,471.36	2,514.18	2,491.49	7.43	6.77	153.55	-8.84	223.61	153.35	139.44	13.91	11.021	
2,600.00	2,569.91	2,614.03	2,589.68	7.55	6.91	151.69	-9.48	241.73	155.53	141.33	14.20	10.950	
2,700.00	2,668.46	2,713.88	2,687.87	7.69	7.07	149.89	-10.11	259.85	157.87	143.35	14.52	10.872	
2,800.00	2,767.01	2,813.74	2,786.06	7.84	7.24	148.13	-10.74	277.96	160.36	145.50	14.87	10.787	
2,900.00	2,865.56	2,913.59	2,884.25	8.01	7.42	146.44	-11.38	296.08	163.00	147.76	15.24	10.697	
3,000.00	2,964.11	3,013.44	2,982.44	8.18	7.61	144.79	-12.01	314.20	165.78	150.15	15.63	10.605	
3,100.00	3,062.66	3,113.29	3,080.63	8.36	7.82	143.21	-12.64	332.31	168.69	152.64	16.05	10.511	
3,200.00	3,161.21	3,213.14	3,178.82	8.55	8.03	141.67	-13.27	350.43	171.72	155.23	16.48	10.417	
3,300.00	3,259.76	3,312.99	3,277.02	8.76	8.25	140.19	-13.91	368.55	174.87	157.93	16.94	10.324	
3,400.00	3,358.31	3,412.84	3,375.21	8.96	8.49	138.77	-14.54	386.66	178.13	160.73	17.41	10.232	
3,500.00	3,456.86	3,512.69	3,473.40	9.18	8.73	137.40	-15.17	404.78	181.51	163.61	17.90	10.142	
3,600.00	3,555.41	3,612.54	3,571.59	9.40	8.97	136.07	-15.80	422.90	184.98	166.58	18.40	10.055	
3,700.00	3,653.96	3,712.39	3,669.78	9.63	9.23	134.80	-16.44	441.01	188.54	169.63	18.91	9.971	
3,800.00	3,752.51	3,812.24	3,767.97	9.87	9.48	133.58	-17.07	459.13	192.20	172.77	19.43	9.891	
3,900.00	3,851.06	3,912.09	3,866.16	10.11	9.75	132.40	-17.70	477.25	195.94	175.97	19.97	9.813	
4,000.00	3,949.61	4,011.94	3,964.35	10.36	10.02	131.26	-18.34	495.36	199.76	179.25	20.51	9.739	
4,100.00	4,048.16	4,111.79	4,062.54	10.61	10.29	130.17	-18.97	513.48	203.65	182.59	21.06	9.669	
4,200.00	4,146.71	4,211.64	4,160.73	10.87	10.57	129.12	-19.60	531.60	207.62	186.00	21.62	9.602	
4,300.00	4,245.26	4,311.49	4,258.92	11.13	10.86	128.11	-20.23	549.71	211.65	189.46	22.19	9.538	
4,400.00	4,343.81	4,411.34	4,357.12	11.39	11.14	127.14	-20.87	567.83	215.75	192.99	22.76	9.478	
4,500.00	4,442.36	4,511.19	4,455.31	11.66	11.43	126.20	-21.50	585.95	219.91	196.56	23.34	9.420	
4,600.00	4,540.91	4,611.04	4,553.50	11.94	11.72	125.30	-22.13	604.06	224.12	200.19	23.93	9.366	
4,700.00	4,639.46	4,710.89	4,651.69	12.21	12.02	124.43	-22.76	622.18	228.39	203.87	24.52	9.314	
4,800.00	4,738.01	4,810.74	4,749.88	12.49	12.32	123.59	-23.40	640.30	232.71	207.59	25.12	9.265	
4,900.00	4,836.56	4,910.59	4,848.07	12.77	12.62	122.79	-24.03	658.41	237.07	211.36	25.71	9.219	
5,000.00	4,935.11	5,010.44	4,946.26	13.05	12.92	122.01	-24.66	676.53	241.48	215.16	26.32	9.175	

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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 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
5,100.00	5,033.66	5,110.29	5,044.45	13.34	13.23	121.26	-25.29	694.65	245.94	219.01	26.93	9.134	
5,200.00	5,132.21	5,210.14	5,142.64	13.63	13.54	120.54	-25.93	712.76	250.43	222.89	27.54	9.095	
5,300.00	5,230.76	5,309.99	5,240.83	13.92	13.85	119.85	-26.56	730.88	254.96	226.81	28.15	9.058	
5,400.00	5,329.30	5,409.84	5,339.02	14.21	14.16	119.18	-27.19	749.00	259.53	230.76	28.77	9.022	
5,500.00	5,427.85	5,509.69	5,437.21	14.50	14.47	118.53	-27.83	767.11	264.13	234.75	29.38	8.989	
5,600.00	5,526.40	5,609.54	5,535.41	14.80	14.79	117.90	-28.46	785.23	268.77	238.76	30.01	8.957	
5,700.00	5,624.95	5,709.39	5,633.60	15.10	15.10	117.30	-29.09	803.35	273.43	242.80	30.63	8.927	
5,800.00	5,723.50	5,809.24	5,731.79	15.40	15.42	116.71	-29.72	821.46	278.13	246.87	31.26	8.899	
5,900.00	5,822.05	5,909.09	5,829.98	15.70	15.74	116.15	-30.36	839.58	282.85	250.97	31.88	8.871	
6,000.00	5,920.60	6,008.94	5,928.17	16.00	16.06	115.60	-30.99	857.70	287.60	255.09	32.51	8.846	
6,100.00	6,019.15	6,108.79	6,026.36	16.31	16.38	115.07	-31.62	875.81	292.37	259.23	33.14	8.821	
6,200.00	6,117.70	6,208.64	6,124.55	16.61	16.71	114.56	-32.25	893.93	297.17	263.40	33.78	8.798	
6,300.00	6,216.25	6,308.49	6,222.74	16.92	17.03	114.07	-32.89	912.05	302.00	267.58	34.41	8.776	
6,400.00	6,314.80	6,408.34	6,320.93	17.22	17.35	113.59	-33.52	930.16	306.84	271.79	35.05	8.755	
6,500.00	6,413.35	6,508.19	6,419.12	17.53	17.68	113.12	-34.15	948.28	311.70	276.02	35.69	8.734	
6,600.00	6,512.28	6,607.90	6,517.17	17.79	18.00	130.00	-34.78	966.37	316.23	279.96	36.27	8.718	
6,700.00	6,612.08	6,704.30	6,612.31	17.94	18.28	-112.70	-35.38	981.71	319.73	283.02	36.71	8.709	
6,800.00	6,710.50	6,800.89	6,708.77	18.03	18.44	-99.00	-35.91	984.02	323.87	286.91	36.95	8.764	
6,900.00	6,805.12	6,900.38	6,807.33	18.06	18.53	-97.98	-36.34	971.12	328.74	291.68	37.06	8.871	
7,000.00	6,893.62	7,003.09	6,905.67	18.06	18.56	-99.12	-36.68	941.89	334.20	297.16	37.04	9.023	
7,100.00	6,973.81	7,109.25	7,001.01	18.03	18.54	-100.91	-36.89	895.49	340.00	303.08	36.92	9.209	
7,200.00	7,043.73	7,219.01	7,090.07	18.03	18.51	-102.86	-36.95	831.56	345.79	309.03	36.77	9.405	
7,300.00	7,101.64	7,332.37	7,169.13	18.07	18.49	-104.75	-36.86	750.53	351.18	314.52	36.66	9.579	
7,400.00	7,146.13	7,449.14	7,234.23	18.19	18.54	-106.46	-36.59	653.78	355.73	319.01	36.73	9.686	
7,500.00	7,176.09	7,568.91	7,281.51	18.41	18.70	-107.89	-36.15	543.94	359.03	321.95	37.08	9.684	
7,600.00	7,190.80	7,690.99	7,307.71	18.73	18.99	-108.99	-35.53	424.90	360.71	322.95	37.76	9.552	
7,700.00	7,190.87	7,809.51	7,311.32	19.15	19.42	-109.57	-34.80	306.57	360.37	321.65	38.72	9.306	
7,800.00	7,187.69	7,909.50	7,308.05	19.71	19.91	-109.63	-34.16	206.64	358.94	319.17	39.77	9.025	
7,900.00	7,184.51	8,009.49	7,304.78	20.39	20.53	-109.70	-33.51	106.71	357.50	316.46	41.05	8.709	
8,000.00	7,181.33	8,109.48	7,301.52	21.17	21.26	-109.77	-32.86	6.77	356.07	313.54	42.53	8.372	
8,100.00	7,178.15	8,209.47	7,298.25	22.06	22.09	-109.83	-32.21	-93.16	354.64	310.44	44.20	8.023	
8,200.00	7,174.98	8,309.46	7,294.99	23.03	23.02	-109.90	-31.56	-193.09	353.21	307.18	46.03	7.673	
8,300.00	7,171.80	8,409.45	7,291.72	24.08	24.03	-109.97	-30.91	-293.03	351.78	303.77	48.01	7.327	
8,400.00	7,168.62	8,509.44	7,288.46	25.19	25.11	-110.04	-30.26	-392.96	350.35	300.23	50.12	6.990	
8,500.00	7,165.44	8,609.43	7,285.19	26.36	26.26	-110.11	-29.61	-492.89	348.92	296.58	52.34	6.667	
8,600.00	7,162.26	8,709.41	7,281.92	27.59	27.45	-110.18	-28.96	-592.83	347.49	292.84	54.65	6.358	
8,700.00	7,159.08	8,809.40	7,278.66	28.86	28.70	-110.26	-28.32	-692.76	346.06	289.01	57.05	6.065	
8,800.00	7,155.90	8,909.39	7,275.39	30.16	29.99	-110.33	-27.67	-792.69	344.64	285.11	59.53	5.789	
8,900.00	7,152.72	9,009.38	7,272.13	31.50	31.31	-110.40	-27.02	-892.63	343.21	281.14	62.07	5.529	
9,000.00	7,149.54	9,109.37	7,268.86	32.88	32.67	-110.47	-26.37	-992.56	341.78	277.11	64.67	5.285	
9,100.00	7,146.36	9,209.36	7,265.59	34.28	34.05	-110.55	-25.72	-1,092.49	340.36	273.04	67.31	5.056	
9,200.00	7,143.18	9,309.35	7,262.33	35.70	35.46	-110.62	-25.07	-1,192.43	338.93	268.93	70.00	4.842	
9,300.00	7,140.00	9,409.34	7,259.06	37.14	36.89	-110.70	-24.42	-1,292.36	337.50	264.77	72.73	4.640	
9,400.00	7,136.82	9,509.33	7,255.80	38.60	38.34	-110.77	-23.77	-1,392.29	336.08	260.58	75.50	4.452	
9,500.00	7,133.64	9,609.31	7,252.53	40.08	39.81	-110.85	-23.12	-1,492.23	334.66	256.37	78.29	4.275	
9,600.00	7,130.46	9,709.30	7,249.27	41.57	41.30	-110.93	-22.48	-1,592.16	333.23	252.12	81.11	4.108	
9,700.00	7,127.28	9,809.29	7,246.00	43.08	42.79	-111.01	-21.83	-1,692.10	331.81	247.85	83.96	3.952	
9,800.00	7,124.10	9,909.28	7,242.73	44.59	44.30	-111.08	-21.18	-1,792.03	330.39	243.57	86.82	3.805	
9,900.00	7,120.92	10,009.27	7,239.47	46.12	45.82	-111.16	-20.53	-1,891.96	328.97	239.26	89.70	3.667	
10,000.00	7,117.74	10,109.26	7,236.20	47.66	47.36	-111.24	-19.88	-1,991.90	327.55	234.94	92.61	3.537	
10,100.00	7,114.57	10,209.25	7,232.94	49.20	48.90	-111.32	-19.23	-2,091.83	326.13	230.61	95.52	3.414	
10,200.00	7,111.39	10,309.24	7,229.67	50.76	50.45	-111.40	-18.58	-2,191.76	324.71	226.26	98.45	3.298	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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 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						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	7,108.21	10,409.23	7,226.41	52.32	52.00	-111.49	-17.93	-2,291.70	323.29	221.90	101.39	3.189	
10,400.00	7,105.03	10,509.21	7,223.14	53.88	53.57	-111.57	-17.28	-2,391.63	321.87	217.53	104.34	3.085	
10,500.00	7,101.85	10,609.20	7,219.87	55.46	55.14	-111.65	-16.64	-2,491.56	320.45	213.15	107.30	2.987	
10,600.00	7,098.67	10,709.19	7,216.61	57.04	56.71	-111.74	-15.99	-2,591.50	319.04	208.77	110.27	2.893	
10,700.00	7,095.49	10,809.18	7,213.34	58.62	58.30	-111.82	-15.34	-2,691.43	317.62	204.38	113.24	2.805	
10,800.00	7,092.31	10,909.17	7,210.08	60.21	59.88	-111.91	-14.69	-2,791.36	316.20	199.98	116.22	2.721	
10,900.00	7,089.13	11,009.16	7,206.81	61.80	61.47	-111.99	-14.04	-2,891.30	314.79	195.58	119.21	2.641	
11,000.00	7,085.95	11,109.15	7,203.54	63.40	63.07	-112.08	-13.39	-2,991.23	313.38	191.17	122.21	2.564	
11,100.00	7,082.77	11,209.14	7,200.28	65.00	64.67	-112.17	-12.74	-3,091.16	311.96	186.76	125.20	2.492	
11,200.00	7,079.59	11,309.12	7,197.01	66.61	66.27	-112.26	-12.09	-3,191.10	310.55	182.35	128.20	2.422	
11,300.00	7,076.41	11,409.11	7,193.75	68.21	67.88	-112.35	-11.44	-3,291.03	309.14	177.93	131.21	2.356	
11,400.00	7,073.23	11,509.10	7,190.48	69.82	69.49	-112.44	-10.80	-3,390.96	307.73	173.52	134.21	2.293	
11,500.00	7,070.05	11,609.09	7,187.22	71.44	71.10	-112.53	-10.15	-3,490.90	306.32	169.10	137.22	2.232	
11,600.00	7,066.87	11,709.08	7,183.95	73.05	72.71	-112.62	-9.50	-3,590.83	304.91	164.68	140.23	2.174	
11,700.00	7,063.69	11,809.07	7,180.68	74.67	74.33	-112.72	-8.85	-3,690.76	303.50	160.26	143.24	2.119	
11,800.00	7,060.51	11,909.06	7,177.42	76.29	75.95	-112.81	-8.20	-3,790.70	302.09	155.84	146.26	2.065	
11,900.00	7,057.33	12,009.05	7,174.15	77.92	77.57	-112.90	-7.55	-3,890.63	300.69	151.42	149.27	2.014	
12,000.00	7,054.15	12,109.04	7,170.89	79.54	79.20	-113.00	-6.90	-3,990.56	299.28	147.00	152.28	1.965	
12,100.00	7,050.98	12,209.02	7,167.62	81.17	80.82	-113.10	-6.25	-4,090.50	297.87	142.58	155.30	1.918	
12,200.00	7,047.80	12,309.01	7,164.36	82.80	82.45	-113.19	-5.60	-4,190.43	296.47	138.16	158.31	1.873	
12,300.00	7,044.62	12,409.00	7,161.09	84.43	84.08	-113.29	-4.96	-4,290.36	295.07	133.74	161.32	1.829	
12,400.00	7,041.44	12,508.99	7,157.82	86.06	85.71	-113.39	-4.31	-4,390.30	293.66	129.33	164.34	1.787	
12,500.00	7,038.26	12,608.98	7,154.56	87.69	87.34	-113.49	-3.66	-4,490.23	292.26	124.92	167.35	1.746	
12,600.00	7,035.08	12,708.97	7,151.29	89.33	88.98	-113.59	-3.01	-4,590.16	290.86	120.50	170.36	1.707	
12,700.00	7,031.90	12,808.96	7,148.03	90.96	90.61	-113.70	-2.36	-4,690.10	289.46	116.10	173.36	1.670	
12,800.00	7,028.72	12,908.95	7,144.76	92.60	92.25	-113.80	-1.71	-4,790.03	288.06	111.69	176.37	1.633	
12,900.00	7,025.54	13,008.94	7,141.49	94.24	93.89	-113.90	-1.06	-4,889.96	286.66	107.29	179.37	1.598	
13,000.00	7,022.36	13,108.92	7,138.23	95.88	95.53	-114.01	-0.41	-4,989.90	285.27	102.89	182.38	1.564	
13,100.00	7,019.18	13,208.91	7,134.96	97.52	97.17	-114.11	0.24	-5,089.83	283.87	98.49	185.38	1.531	
13,200.00	7,016.00	13,308.90	7,131.70	99.16	98.81	-114.22	0.88	-5,189.76	282.48	94.10	188.37	1.500 Level 3	
13,300.00	7,012.82	13,408.89	7,128.43	100.80	100.45	-114.33	1.53	-5,289.70	281.08	89.71	191.37	1.469 Level 3	
13,400.00	7,009.64	13,508.88	7,125.17	102.44	102.10	-114.44	2.18	-5,389.63	279.69	85.33	194.36	1.439 Level 3	
13,500.00	7,006.46	13,608.87	7,121.90	104.09	103.74	-114.55	2.83	-5,489.56	278.30	80.95	197.35	1.410 Level 3	
13,600.00	7,003.28	13,708.86	7,118.63	105.73	105.39	-114.66	3.48	-5,589.50	276.91	76.57	200.33	1.382 Level 3	
13,700.00	7,000.10	13,808.85	7,115.37	107.38	107.03	-114.77	4.13	-5,689.43	275.52	72.20	203.31	1.355 Level 3	
13,800.00	6,996.92	13,908.84	7,112.10	109.03	108.68	-114.89	4.78	-5,789.36	274.13	67.84	206.29	1.329 Level 3	
13,900.00	6,993.74	14,008.82	7,108.84	110.67	110.33	-115.00	5.43	-5,889.30	272.74	63.48	209.26	1.303 Level 3	
14,000.00	6,990.57	14,108.81	7,105.57	112.32	111.98	-115.12	6.08	-5,989.23	271.35	59.12	212.23	1.279 Level 3	
14,100.00	6,987.39	14,208.80	7,102.31	113.97	113.63	-115.24	6.72	-6,089.17	269.97	54.77	215.20	1.255 Level 3	
14,200.00	6,984.21	14,308.79	7,099.04	115.62	115.28	-115.36	7.37	-6,189.10	268.58	50.43	218.16	1.231 Level 2	
14,300.00	6,981.03	14,408.78	7,095.77	117.27	116.93	-115.48	8.02	-6,289.03	267.20	46.09	221.11	1.208 Level 2	
14,400.00	6,977.85	14,508.77	7,092.51	118.92	118.58	-115.60	8.67	-6,388.97	265.82	41.75	224.06	1.186 Level 2	
14,500.00	6,974.67	14,608.76	7,089.24	120.57	120.23	-115.72	9.32	-6,488.90	264.44	37.43	227.01	1.165 Level 2	
14,600.00	6,971.49	14,708.75	7,085.98	122.22	121.88	-115.84	9.97	-6,588.83	263.06	33.11	229.95	1.144 Level 2	
14,700.00	6,968.31	14,808.74	7,082.71	123.87	123.54	-115.97	10.62	-6,688.77	261.68	28.79	232.88	1.124 Level 2	
14,800.00	6,965.13	14,908.72	7,079.45	125.53	125.19	-116.10	11.27	-6,788.70	260.30	24.49	235.81	1.104 Level 2	
14,900.00	6,961.95	15,008.71	7,076.18	127.18	126.84	-116.22	11.92	-6,888.63	258.92	20.19	238.74	1.085 Level 2	
15,000.00	6,958.77	15,108.70	7,072.91	128.83	128.50	-116.35	12.56	-6,988.57	257.55	15.89	241.66	1.066 Level 2	
15,100.00	6,955.59	15,208.69	7,069.65	130.49	130.15	-116.48	13.21	-7,088.50	256.18	11.61	244.57	1.047 Level 2	
15,200.00	6,952.41	15,308.68	7,066.38	132.14	131.81	-116.61	13.86	-7,188.43	254.81	7.33	247.47	1.030 Level 2	
15,300.00	6,949.23	15,408.67	7,063.12	133.80	133.46	-116.75	14.51	-7,288.37	253.43	3.06	250.37	1.012 Level 2	
15,400.00	6,946.05	15,508.66	7,059.85	135.45	135.12	-116.88	15.16	-7,388.30	252.07	-1.20	253.27	0.995 Level 1	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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
15,500.00	6,942.87	15,608.65	7,056.58	137.11	136.78	-117.02	15.81	-7,488.23	250.70	-5.45	256.15	0.979	Level 1
15,528.99	6,941.95	15,637.63	7,055.64	137.59	137.26	-117.06	16.00	-7,517.20	250.30	-6.68	256.99	0.974	Level 1, ES, SF
15,533.10	6,941.82	15,634.69	7,055.73	137.66	137.21	-117.05	15.98	-7,514.26	250.34	-6.46	256.80	0.975	Level 1

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-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	-89.65	0.36	-59.86	59.86				
100.00	100.00	100.00	100.00	3.28	3.28	-89.65	0.36	-59.86	59.86	52.33	7.53	7.951	
200.00	200.00	200.00	200.00	3.31	3.31	-89.65	0.36	-59.86	59.86	52.29	7.57	7.903 CC, ES	
300.00	299.98	300.16	300.14	3.35	3.35	-166.20	-1.37	-59.84	61.55	53.89	7.66	8.039	
400.00	399.84	402.27	402.18	3.42	3.41	-170.01	-4.34	-57.67	64.74	56.96	7.78	8.321	
500.00	499.45	504.48	504.19	3.51	3.50	-173.94	-6.94	-51.88	68.08	60.14	7.94	8.573	
600.00	598.70	606.79	606.03	3.63	3.61	-177.97	-9.14	-42.46	71.66	63.51	8.14	8.799	
700.00	697.47	709.18	707.56	3.78	3.76	177.95	-10.96	-29.41	75.50	67.11	8.39	8.999	
800.00	796.02	811.12	808.15	3.97	3.94	173.74	-12.38	-12.93	77.65	68.97	8.69	8.940	
900.00	894.57	910.94	906.46	4.18	4.14	169.59	-13.64	4.33	79.13	70.08	9.06	8.739	
1,000.00	993.12	1,010.77	1,004.78	4.41	4.37	165.61	-14.91	21.58	81.01	71.54	9.47	8.554	
1,100.00	1,091.67	1,110.60	1,103.10	4.67	4.62	161.82	-16.18	38.84	83.26	73.33	9.93	8.386	
1,200.00	1,190.22	1,210.43	1,201.41	4.94	4.89	158.25	-17.44	56.09	85.85	75.43	10.43	8.233	
1,300.00	1,288.77	1,310.25	1,299.73	5.22	5.18	154.90	-18.71	73.34	88.76	77.80	10.96	8.097	
1,400.00	1,387.32	1,410.08	1,398.05	5.52	5.47	151.78	-19.98	90.60	91.95	80.43	11.53	7.976	
1,500.00	1,485.87	1,509.91	1,496.36	5.82	5.78	148.87	-21.25	107.85	95.40	83.28	12.12	7.869	
1,600.00	1,584.42	1,609.73	1,594.68	6.14	6.10	146.17	-22.51	125.11	99.08	86.34	12.74	7.776	
1,700.00	1,682.97	1,709.56	1,693.00	6.46	6.42	143.66	-23.78	142.36	102.96	89.58	13.38	7.695	
1,800.00	1,781.52	1,809.39	1,791.31	6.79	6.74	141.35	-25.05	159.61	107.02	93.00	14.02	7.632	
1,900.00	1,880.07	1,909.22	1,889.63	6.96	6.91	139.20	-26.31	176.87	111.25	97.24	14.01	7.943	
2,000.00	1,978.62	2,009.04	1,987.95	7.00	6.95	137.22	-27.58	194.12	115.62	101.50	14.11	8.192	
2,100.00	2,077.17	2,108.87	2,086.26	7.06	7.01	135.38	-28.85	211.38	120.11	105.86	14.25	8.428	
2,200.00	2,175.71	2,208.70	2,184.58	7.13	7.08	133.67	-30.11	228.63	124.73	110.31	14.42	8.650	
2,300.00	2,274.26	2,308.52	2,282.90	7.21	7.17	132.09	-31.38	245.88	129.44	114.83	14.62	8.857	
2,400.00	2,372.81	2,408.35	2,381.21	7.31	7.27	130.62	-32.65	263.14	134.25	119.41	14.84	9.046	
2,500.00	2,471.36	2,508.18	2,479.53	7.43	7.39	129.25	-33.92	280.39	139.14	124.05	15.09	9.219	
2,600.00	2,569.91	2,608.01	2,577.85	7.55	7.52	127.98	-35.18	297.65	144.10	128.73	15.37	9.376	
2,700.00	2,668.46	2,707.83	2,676.16	7.69	7.67	126.79	-36.45	314.90	149.13	133.46	15.67	9.516	
2,800.00	2,767.01	2,807.66	2,774.48	7.84	7.83	125.68	-37.72	332.15	154.22	138.22	16.00	9.641	
2,900.00	2,865.56	2,907.49	2,872.80	8.01	8.00	124.64	-38.98	349.41	159.36	143.02	16.34	9.751	
3,000.00	2,964.11	3,007.32	2,971.11	8.18	8.18	123.66	-40.25	366.66	164.55	147.84	16.71	9.848	
3,100.00	3,062.66	3,107.14	3,069.43	8.36	8.37	122.75	-41.52	383.92	169.79	152.70	17.10	9.932	
3,200.00	3,161.21	3,206.97	3,167.75	8.55	8.57	121.89	-42.79	401.17	175.07	157.57	17.50	10.004	
3,300.00	3,259.76	3,306.80	3,266.06	8.76	8.77	121.08	-44.05	418.42	180.38	162.46	17.92	10.066	
3,400.00	3,358.31	3,406.62	3,364.38	8.96	8.99	120.32	-45.32	435.68	185.73	167.37	18.36	10.118	
3,500.00	3,456.86	3,506.45	3,462.70	9.18	9.21	119.60	-46.59	452.93	191.11	172.30	18.81	10.162	
3,600.00	3,555.41	3,606.28	3,561.01	9.40	9.45	118.92	-47.85	470.19	196.52	177.25	19.27	10.198	
3,700.00	3,653.96	3,706.11	3,659.33	9.63	9.68	118.27	-49.12	487.44	201.95	182.21	19.75	10.227	
3,800.00	3,752.51	3,805.93	3,757.65	9.87	9.93	117.66	-50.39	504.69	207.41	187.18	20.23	10.251	
3,900.00	3,851.06	3,905.76	3,855.96	10.11	10.18	117.08	-51.66	521.95	212.89	192.16	20.73	10.269	
4,000.00	3,949.61	4,005.59	3,954.28	10.36	10.43	116.53	-52.92	539.20	218.39	197.15	21.24	10.282	
4,100.00	4,048.16	4,105.41	4,052.60	10.61	10.69	116.01	-54.19	556.46	223.91	202.15	21.76	10.291	
4,200.00	4,146.71	4,205.24	4,150.91	10.87	10.96	115.51	-55.46	573.71	229.45	207.17	22.28	10.297	
4,300.00	4,245.26	4,305.07	4,249.23	11.13	11.23	115.04	-56.72	590.96	235.00	212.19	22.82	10.299	
4,400.00	4,343.81	4,404.90	4,347.55	11.39	11.50	114.59	-57.99	608.22	240.57	217.21	23.36	10.299	
4,500.00	4,442.36	4,504.72	4,445.86	11.66	11.77	114.15	-59.26	625.47	246.16	222.25	23.91	10.297	
4,600.00	4,540.91	4,604.55	4,544.18	11.94	12.05	113.74	-60.53	642.73	251.75	227.29	24.46	10.292	
4,700.00	4,639.46	4,704.38	4,642.50	12.21	12.34	113.35	-61.79	659.98	257.36	232.34	25.02	10.286	
4,800.00	4,738.01	4,804.20	4,740.81	12.49	12.62	112.97	-63.06	677.23	262.98	237.40	25.59	10.278	
4,900.00	4,836.56	4,904.03	4,839.13	12.77	12.91	112.61	-64.33	694.49	268.62	242.46	26.16	10.269	
5,000.00	4,935.11	5,003.86	4,937.44	13.05	13.20	112.26	-65.59	711.74	274.26	247.52	26.73	10.259	
5,100.00	5,033.66	5,103.69	5,035.76	13.34	13.50	111.93	-66.86	729.00	279.91	252.60	27.32	10.247	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-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	
5,200.00	5,132.21	5,203.51	5,134.08	13.63	13.79	111.61	-68.13	746.25	285.57	257.67	27.90	10.236	
5,300.00	5,230.76	5,303.34	5,232.39	13.92	14.09	111.30	-69.39	763.51	291.24	262.75	28.49	10.223	
5,400.00	5,329.30	5,403.17	5,330.71	14.21	14.39	111.00	-70.66	780.76	296.92	267.84	29.08	10.210	
5,500.00	5,427.85	5,503.00	5,429.03	14.50	14.69	110.72	-71.93	798.01	302.60	272.93	29.68	10.196	
5,600.00	5,526.40	5,602.82	5,527.34	14.80	14.99	110.45	-73.20	815.27	308.30	278.02	30.28	10.183	
5,700.00	5,624.95	5,702.65	5,625.66	15.10	15.30	110.18	-74.46	832.52	314.00	283.12	30.88	10.168	
5,800.00	5,723.50	5,802.48	5,723.98	15.40	15.61	109.93	-75.73	849.78	319.70	288.22	31.48	10.154	
5,900.00	5,822.05	5,902.30	5,822.29	15.70	15.91	109.68	-77.00	867.03	325.41	293.32	32.09	10.140	
6,000.00	5,920.60	6,002.13	5,920.61	16.00	16.22	109.44	-78.26	884.28	331.13	298.43	32.70	10.125	
6,100.00	6,019.15	6,101.96	6,018.93	16.31	16.53	109.22	-79.53	901.54	336.85	303.54	33.32	10.111	
6,200.00	6,117.70	6,201.79	6,117.24	16.61	16.85	108.99	-80.80	918.79	342.58	308.65	33.93	10.096	
6,300.00	6,216.25	6,301.61	6,215.56	16.92	17.16	108.78	-82.07	936.05	348.31	313.76	34.55	10.081	
6,400.00	6,314.80	6,401.44	6,313.88	17.22	17.47	108.57	-83.33	953.30	354.05	318.88	35.17	10.067	
6,500.00	6,413.35	6,500.15	6,411.21	17.53	17.77	108.49	-84.59	969.62	359.84	324.07	35.77	10.060	
6,600.00	6,512.28	6,595.50	6,506.35	17.79	17.93	127.68	-85.90	974.42	366.31	330.13	36.18	10.125	
6,700.00	6,612.08	6,689.54	6,599.83	17.94	18.02	-110.53	-87.29	965.20	373.05	336.64	36.41	10.247	
6,800.00	6,710.50	6,782.50	6,689.92	18.03	18.07	-92.29	-88.72	942.65	379.75	343.24	36.50	10.404	
6,900.00	6,805.12	6,874.57	6,774.97	18.06	18.07	-86.97	-90.16	907.63	386.18	349.69	36.49	10.584	
7,000.00	6,893.62	6,965.94	6,853.51	18.06	18.04	-84.12	-91.60	861.12	392.14	355.73	36.41	10.771	
7,100.00	6,973.81	7,056.77	6,924.20	18.03	18.01	-82.31	-92.99	804.22	397.44	361.13	36.30	10.947	
7,200.00	7,043.73	7,147.26	6,985.86	18.03	18.00	-81.13	-94.33	738.10	401.91	365.68	36.24	11.091	
7,300.00	7,101.64	7,237.58	7,037.44	18.07	18.03	-80.41	-95.58	664.07	405.45	369.17	36.27	11.177	
7,400.00	7,146.13	7,327.89	7,078.04	18.19	18.12	-80.09	-96.71	583.49	407.95	371.48	36.46	11.188	
7,500.00	7,176.09	7,418.36	7,106.88	18.41	18.28	-80.12	-97.72	497.82	409.36	372.52	36.84	11.112	
7,600.00	7,190.80	7,509.17	7,123.33	18.73	18.52	-80.49	-98.58	408.60	409.68	372.26	37.41	10.950	
7,700.00	7,190.87	7,600.73	7,126.91	19.15	18.85	-81.01	-99.27	317.19	409.11	370.94	38.18	10.716	
7,800.00	7,187.69	7,700.73	7,124.10	19.71	19.33	-81.05	-99.93	217.23	408.88	369.67	39.21	10.429	
7,900.00	7,184.51	7,800.73	7,121.28	20.39	19.94	-81.10	-100.59	117.27	408.64	368.16	40.49	10.094	
8,000.00	7,181.33	7,900.73	7,118.46	21.17	20.67	-81.14	-101.25	17.32	408.41	366.42	41.99	9.726	
8,100.00	7,178.15	8,000.73	7,115.64	22.06	21.51	-81.19	-101.92	-82.64	408.18	364.48	43.70	9.341	
8,200.00	7,174.98	8,100.73	7,112.83	23.03	22.45	-81.24	-102.58	-182.60	407.94	362.36	45.59	8.949	
8,300.00	7,171.80	8,200.73	7,110.01	24.08	23.46	-81.28	-103.24	-282.55	407.71	360.08	47.63	8.560	
8,400.00	7,168.62	8,300.73	7,107.19	25.19	24.55	-81.33	-103.90	-382.51	407.48	357.66	49.82	8.180	
8,500.00	7,165.44	8,400.73	7,104.37	26.36	25.70	-81.38	-104.56	-482.47	407.25	355.12	52.12	7.813	
8,600.00	7,162.26	8,500.73	7,101.55	27.59	26.91	-81.42	-105.22	-582.43	407.01	352.48	54.53	7.464	
8,700.00	7,159.08	8,600.73	7,098.74	28.86	28.17	-81.47	-105.88	-682.38	406.78	349.75	57.04	7.132	
8,800.00	7,155.90	8,700.73	7,095.92	30.16	29.46	-81.52	-106.54	-782.34	406.55	346.93	59.62	6.819	
8,900.00	7,152.72	8,800.73	7,093.10	31.50	30.80	-81.56	-107.20	-882.30	406.32	344.04	62.27	6.525	
9,000.00	7,149.54	8,900.72	7,090.28	32.88	32.16	-81.61	-107.86	-982.26	406.09	341.10	64.99	6.248	
9,100.00	7,146.36	9,000.72	7,087.46	34.28	33.55	-81.66	-108.52	-1,082.21	405.85	338.09	67.76	5.990	
9,200.00	7,143.18	9,100.72	7,084.65	35.70	34.97	-81.70	-109.19	-1,182.17	405.62	335.04	70.58	5.747	
9,300.00	7,140.00	9,200.72	7,081.83	37.14	36.41	-81.75	-109.85	-1,282.13	405.39	331.95	73.44	5.520	
9,400.00	7,136.82	9,300.72	7,079.01	38.60	37.87	-81.80	-110.51	-1,382.09	405.16	328.82	76.34	5.307	
9,500.00	7,133.64	9,400.72	7,076.19	40.08	39.34	-81.84	-111.17	-1,482.04	404.93	325.66	79.27	5.108	
9,600.00	7,130.46	9,500.72	7,073.38	41.57	40.83	-81.89	-111.83	-1,582.00	404.70	322.47	82.24	4.921	
9,700.00	7,127.28	9,600.72	7,070.56	43.08	42.34	-81.94	-112.49	-1,681.96	404.47	319.25	85.23	4.746	
9,800.00	7,124.10	9,700.72	7,067.74	44.59	43.85	-81.99	-113.15	-1,781.91	404.25	316.00	88.24	4.581	
9,900.00	7,120.92	9,800.72	7,064.92	46.12	45.38	-82.03	-113.81	-1,881.87	404.02	312.74	91.28	4.426	
10,000.00	7,117.74	9,900.72	7,062.10	47.66	46.91	-82.08	-114.47	-1,981.83	403.79	309.45	94.34	4.280	
10,100.00	7,114.57	10,000.72	7,059.29	49.20	48.46	-82.13	-115.13	-2,081.79	403.56	306.15	97.41	4.143	
10,200.00	7,111.39	10,100.71	7,056.47	50.76	50.01	-82.17	-115.80	-2,181.74	403.33	302.83	100.50	4.013	
10,300.00	7,108.21	10,200.71	7,053.65	52.32	51.57	-82.22	-116.46	-2,281.70	403.10	299.49	103.61	3.891	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-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	
10,400.00	7,105.03	10,300.71	7,050.83	53.88	53.14	-82.27	-117.12	-2,381.66	402.88	296.15	106.73	3.775	
10,500.00	7,101.85	10,400.71	7,048.02	55.46	54.72	-82.32	-117.78	-2,481.62	402.65	292.79	109.86	3.665	
10,600.00	7,098.67	10,500.71	7,045.20	57.04	56.29	-82.36	-118.44	-2,581.57	402.42	289.42	113.01	3.561	
10,700.00	7,095.49	10,600.71	7,042.38	58.62	57.88	-82.41	-119.10	-2,681.53	402.20	286.03	116.16	3.462	
10,800.00	7,092.31	10,700.71	7,039.56	60.21	59.47	-82.46	-119.76	-2,781.49	401.97	282.64	119.33	3.369	
10,900.00	7,089.13	10,800.71	7,036.74	61.80	61.06	-82.51	-120.42	-2,881.44	401.74	279.24	122.50	3.280	
11,000.00	7,085.95	10,900.71	7,033.93	63.40	62.66	-82.56	-121.08	-2,981.40	401.52	275.83	125.68	3.195	
11,100.00	7,082.77	11,000.71	7,031.11	65.00	64.26	-82.60	-121.74	-3,081.36	401.29	272.42	128.87	3.114	
11,200.00	7,079.59	11,100.71	7,028.29	66.61	65.87	-82.65	-122.41	-3,181.32	401.07	269.00	132.07	3.037	
11,300.00	7,076.41	11,200.71	7,025.47	68.21	67.47	-82.70	-123.07	-3,281.27	400.84	265.57	135.28	2.963	
11,400.00	7,073.23	11,300.70	7,022.66	69.82	69.09	-82.75	-123.73	-3,381.23	400.62	262.13	138.49	2.893	
11,500.00	7,070.05	11,400.70	7,019.84	71.44	70.70	-82.80	-124.39	-3,481.19	400.39	258.69	141.70	2.826	
11,600.00	7,066.87	11,500.70	7,017.02	73.05	72.32	-82.84	-125.05	-3,581.15	400.17	255.24	144.93	2.761	
11,700.00	7,063.69	11,600.70	7,014.20	74.67	73.94	-82.89	-125.71	-3,681.10	399.94	251.79	148.16	2.699	
11,800.00	7,060.51	11,700.70	7,011.38	76.29	75.56	-82.94	-126.37	-3,781.06	399.72	248.33	151.39	2.640	
11,900.00	7,057.33	11,800.70	7,008.57	77.92	77.18	-82.99	-127.03	-3,881.02	399.50	244.87	154.63	2.584	
12,000.00	7,054.15	11,900.70	7,005.75	79.54	78.81	-83.04	-127.69	-3,980.97	399.27	241.41	157.87	2.529	
12,100.00	7,050.98	12,000.70	7,002.93	81.17	80.43	-83.09	-128.35	-4,080.93	399.05	237.94	161.12	2.477	
12,200.00	7,047.80	12,100.70	7,000.11	82.80	82.06	-83.13	-129.02	-4,180.89	398.83	234.46	164.37	2.426	
12,300.00	7,044.62	12,200.70	6,997.30	84.43	83.69	-83.18	-129.68	-4,280.85	398.61	230.99	167.62	2.378	
12,400.00	7,041.44	12,300.70	6,994.48	86.06	85.33	-83.23	-130.34	-4,380.80	398.39	227.51	170.88	2.331	
12,500.00	7,038.26	12,400.70	6,991.66	87.69	86.96	-83.28	-131.00	-4,480.76	398.16	224.03	174.14	2.286	
12,600.00	7,035.08	12,500.69	6,988.84	89.33	88.59	-83.33	-131.66	-4,580.72	397.94	220.54	177.40	2.243	
12,700.00	7,031.90	12,600.69	6,986.02	90.96	90.23	-83.38	-132.32	-4,680.68	397.72	217.05	180.67	2.201	
12,800.00	7,028.72	12,700.69	6,983.21	92.60	91.87	-83.43	-132.98	-4,780.63	397.50	213.56	183.94	2.161	
12,900.00	7,025.54	12,800.69	6,980.39	94.24	93.51	-83.47	-133.64	-4,880.59	397.28	210.07	187.21	2.122	
13,000.00	7,022.36	12,900.69	6,977.57	95.88	95.15	-83.52	-134.30	-4,980.55	397.06	206.57	190.49	2.084	
13,100.00	7,019.18	13,000.69	6,974.75	97.52	96.79	-83.57	-134.96	-5,080.50	396.84	203.07	193.77	2.048	
13,200.00	7,016.00	13,100.69	6,971.93	99.16	98.43	-83.62	-135.63	-5,180.46	396.62	199.57	197.05	2.013	
13,300.00	7,012.82	13,200.69	6,969.12	100.80	100.07	-83.67	-136.29	-5,280.42	396.40	196.07	200.33	1.979	
13,400.00	7,009.64	13,300.69	6,966.30	102.44	101.72	-83.72	-136.95	-5,380.38	396.18	192.56	203.62	1.946	
13,500.00	7,006.46	13,400.69	6,963.48	104.09	103.36	-83.77	-137.61	-5,480.33	395.96	189.06	206.91	1.914	
13,600.00	7,003.28	13,500.69	6,960.66	105.73	105.01	-83.82	-138.27	-5,580.29	395.75	185.55	210.20	1.883	
13,700.00	7,000.10	13,600.69	6,957.85	107.38	106.66	-83.87	-138.93	-5,680.25	395.53	182.04	213.49	1.853	
13,800.00	6,996.92	13,700.69	6,955.03	109.03	108.30	-83.92	-139.59	-5,780.21	395.31	178.53	216.78	1.824	
13,900.00	6,993.74	13,800.68	6,952.21	110.67	109.95	-83.97	-140.25	-5,880.16	395.09	175.02	220.08	1.795	
14,000.00	6,990.57	13,900.68	6,949.39	112.32	111.60	-84.02	-140.91	-5,980.12	394.88	171.50	223.37	1.768	
14,100.00	6,987.39	14,000.68	6,946.57	113.97	113.25	-84.07	-141.57	-6,080.08	394.66	167.99	226.67	1.741	
14,200.00	6,984.21	14,100.68	6,943.76	115.62	114.90	-84.12	-142.23	-6,180.04	394.44	164.47	229.97	1.715	
14,300.00	6,981.03	14,200.68	6,940.94	117.27	116.55	-84.16	-142.90	-6,279.99	394.23	160.95	233.28	1.690	
14,400.00	6,977.85	14,300.68	6,938.12	118.92	118.20	-84.21	-143.56	-6,379.95	394.01	157.43	236.58	1.665	
14,500.00	6,974.67	14,400.68	6,935.30	120.57	119.85	-84.26	-144.22	-6,479.91	393.79	153.91	239.88	1.642	
14,600.00	6,971.49	14,500.68	6,932.49	122.22	121.51	-84.31	-144.88	-6,579.86	393.58	150.39	243.19	1.618	
14,700.00	6,968.31	14,600.68	6,929.67	123.87	123.16	-84.36	-145.54	-6,679.82	393.36	146.87	246.50	1.596	
14,800.00	6,965.13	14,700.68	6,926.85	125.53	124.81	-84.41	-146.20	-6,779.78	393.15	143.34	249.81	1.574	
14,900.00	6,961.95	14,800.68	6,924.03	127.18	126.47	-84.46	-146.86	-6,879.74	392.93	139.82	253.12	1.552	
15,000.00	6,958.77	14,900.68	6,921.21	128.83	128.12	-84.51	-147.52	-6,979.69	392.72	136.29	256.43	1.531	
15,100.00	6,955.59	15,000.67	6,918.40	130.49	129.78	-84.56	-148.18	-7,079.65	392.51	132.76	259.74	1.511	
15,200.00	6,952.41	15,100.67	6,915.58	132.14	131.43	-84.61	-148.84	-7,179.61	392.29	129.24	263.06	1.491 Level 3	
15,300.00	6,949.23	15,200.67	6,912.76	133.80	133.09	-84.66	-149.51	-7,279.57	392.08	125.71	266.37	1.472 Level 3	
15,400.00	6,946.05	15,300.67	6,909.94	135.45	134.74	-84.71	-150.17	-7,379.52	391.87	122.18	269.69	1.453 Level 3	
15,500.00	6,942.87	15,400.67	6,907.13	137.11	136.40	-84.76	-150.83	-7,479.48	391.65	118.65	273.01	1.435 Level 3	



Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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	
15,533.10	6,941.82	15,433.77	6,906.19	137.66	136.95	-84.78	-151.05	-7,512.56	391.58	117.48	274.10	1.429	Level 3, SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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: 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	-89.48	0.73	-79.90	79.91				
100.00	100.00	100.00	100.00	3.28	3.28	-89.48	0.73	-79.90	79.91	72.38	7.53	10.613	
200.00	200.00	200.00	200.00	3.31	3.31	-89.48	0.73	-79.90	79.91	72.33	7.57	10.550 CC, ES	
300.00	299.98	301.34	301.34	3.35	3.35	-164.43	0.56	-79.48	81.17	73.51	7.66	10.597	
400.00	399.84	404.01	403.93	3.42	3.41	-166.34	-0.78	-76.05	82.92	75.14	7.78	10.660	
500.00	499.45	506.60	506.26	3.51	3.50	-169.71	-3.45	-69.21	84.95	77.01	7.94	10.704	
600.00	598.70	609.03	608.09	3.63	3.61	-174.38	-7.45	-58.98	87.63	79.49	8.14	10.767	
700.00	697.47	711.22	709.23	3.78	3.76	179.90	-12.76	-45.40	91.42	83.02	8.40	10.887	
800.00	796.02	812.12	808.57	3.97	3.95	173.51	-19.17	-28.99	94.97	86.25	8.73	10.885	
900.00	894.57	911.50	906.32	4.18	4.17	167.48	-25.71	-12.28	99.21	90.09	9.12	10.874	
1,000.00	993.12	1,010.88	1,004.07	4.41	4.41	161.99	-32.24	4.43	104.46	94.89	9.57	10.910	
1,100.00	1,091.67	1,110.26	1,101.82	4.67	4.68	157.06	-38.77	21.14	110.58	100.51	10.07	10.978	
1,200.00	1,190.22	1,209.64	1,199.57	4.94	4.96	152.67	-45.30	37.85	117.43	106.82	10.61	11.067	
1,300.00	1,288.77	1,309.03	1,297.32	5.22	5.26	148.79	-51.83	54.56	124.90	113.71	11.18	11.168	
1,400.00	1,387.32	1,408.41	1,395.07	5.52	5.57	145.35	-58.36	71.27	132.87	121.09	11.78	11.276	
1,500.00	1,485.87	1,507.79	1,492.82	5.82	5.89	142.31	-64.89	87.98	141.27	128.86	12.41	11.387	
1,600.00	1,584.42	1,607.17	1,590.57	6.14	6.22	139.62	-71.43	104.69	150.01	136.97	13.05	11.497	
1,700.00	1,682.97	1,706.55	1,688.32	6.46	6.56	137.22	-77.96	121.39	159.06	145.35	13.70	11.606	
1,800.00	1,781.52	1,805.94	1,786.07	6.79	6.89	135.09	-84.49	138.10	168.34	153.98	14.36	11.719	
1,900.00	1,880.07	1,905.32	1,883.82	6.96	7.07	133.18	-91.02	154.81	177.84	163.49	14.35	12.390	
2,000.00	1,978.62	2,004.70	1,981.56	7.00	7.12	131.47	-97.55	171.52	187.51	173.07	14.45	12.980	
2,100.00	2,077.17	2,104.08	2,079.31	7.06	7.17	129.92	-104.08	188.23	197.34	182.77	14.57	13.543	
2,200.00	2,175.71	2,203.46	2,177.06	7.13	7.25	128.52	-110.61	204.94	207.29	192.56	14.72	14.078	
2,300.00	2,274.26	2,302.85	2,274.81	7.21	7.34	127.25	-117.15	221.65	217.35	202.44	14.91	14.580	
2,400.00	2,372.81	2,402.23	2,372.56	7.31	7.45	126.10	-123.68	238.36	227.51	212.39	15.12	15.048	
2,500.00	2,471.36	2,501.61	2,470.31	7.43	7.57	125.04	-130.21	255.07	237.76	222.40	15.36	15.482	
2,600.00	2,569.91	2,600.99	2,568.06	7.55	7.71	124.07	-136.74	271.78	248.07	232.45	15.62	15.880	
2,700.00	2,668.46	2,700.37	2,665.81	7.69	7.85	123.17	-143.27	288.49	258.46	242.55	15.91	16.243	
2,800.00	2,767.01	2,800.24	2,763.56	7.84	8.02	122.35	-149.80	305.19	268.90	252.67	16.23	16.572	
2,900.00	2,865.56	2,900.86	2,861.31	8.01	8.19	121.59	-156.34	321.90	279.39	262.82	16.56	16.868	
3,000.00	2,964.11	3,001.48	2,959.06	8.18	8.38	120.88	-162.87	338.61	289.92	273.00	16.92	17.133	
3,100.00	3,062.66	3,102.10	3,056.81	8.36	8.57	120.22	-169.40	355.32	300.50	283.20	17.30	17.369	
3,200.00	3,161.21	3,202.72	3,154.56	8.55	8.78	119.61	-175.93	372.03	311.12	293.42	17.70	17.579	
3,300.00	3,259.76	3,303.34	3,252.30	8.76	9.00	119.04	-182.46	388.74	321.76	303.65	18.11	17.765	
3,400.00	3,358.31	3,403.95	3,350.05	8.96	9.22	118.50	-188.99	405.45	332.44	313.90	18.54	17.928	
3,500.00	3,456.86	3,504.57	3,447.80	9.18	9.46	118.00	-195.52	422.16	343.14	324.15	18.99	18.071	
3,600.00	3,555.41	3,605.19	3,545.55	9.40	9.70	117.53	-202.06	438.87	353.87	334.42	19.45	18.195	
3,700.00	3,653.96	3,705.81	3,643.30	9.63	9.94	117.08	-208.59	455.58	364.62	344.70	19.92	18.303	
3,800.00	3,752.51	3,806.43	3,741.05	9.87	10.20	116.67	-215.12	472.29	375.39	354.99	20.41	18.397	
3,900.00	3,851.06	3,907.04	3,838.80	10.11	10.45	116.27	-221.65	489.00	386.18	365.28	20.90	18.477	
4,000.00	3,949.61	4,007.66	3,936.55	10.36	10.72	115.90	-228.18	505.70	396.99	375.58	21.41	18.545	
4,100.00	4,048.16	4,108.28	4,034.30	10.61	10.99	115.54	-234.71	522.41	407.81	385.89	21.92	18.602	
4,200.00	4,146.71	4,208.90	4,132.05	10.87	11.26	115.21	-241.24	539.12	418.65	396.20	22.45	18.650	
4,300.00	4,245.26	4,309.52	4,229.80	11.13	11.54	114.89	-247.78	555.83	429.50	406.52	22.98	18.690	
4,400.00	4,343.81	4,389.87	4,327.55	11.39	11.77	114.59	-254.31	572.54	440.36	416.89	23.46	18.767	
4,500.00	4,442.36	4,489.25	4,425.30	11.66	12.05	114.30	-260.84	589.25	451.23	427.23	24.01	18.795	
4,600.00	4,540.91	4,588.63	4,523.04	11.94	12.33	114.02	-267.37	605.96	462.12	437.56	24.56	18.817	
4,700.00	4,639.46	4,688.01	4,620.79	12.21	12.62	113.76	-273.90	622.67	473.01	447.90	25.12	18.834	
4,800.00	4,738.01	4,787.39	4,718.54	12.49	12.91	113.51	-280.43	639.38	483.92	458.24	25.68	18.846	
4,900.00	4,836.56	4,886.78	4,816.29	12.77	13.21	113.27	-286.96	656.09	494.83	468.59	26.25	18.854	
5,000.00	4,935.11	4,986.16	4,914.04	13.05	13.51	113.04	-293.50	672.80	505.75	478.93	26.82	18.858	
5,100.00	5,033.66	5,085.54	5,011.79	13.34	13.81	112.82	-300.03	689.51	516.68	489.29	27.40	18.860	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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						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	5,132.21	5,184.92	5,109.54	13.63	14.11	112.61	-306.56	706.21	527.62	499.64	27.98	18.858		
5,300.00	5,230.76	5,284.30	5,207.29	13.92	14.41	112.41	-313.09	722.92	538.56	510.00	28.56	18.854		
5,400.00	5,329.30	5,383.69	5,305.04	14.21	14.72	112.22	-319.62	739.63	549.51	520.36	29.16	18.848		
5,500.00	5,427.85	5,483.07	5,402.79	14.50	15.03	112.03	-326.15	756.34	560.47	530.72	29.75	18.840		
5,600.00	5,526.40	5,582.45	5,500.54	14.80	15.34	111.85	-332.69	773.05	571.43	541.08	30.35	18.830		
5,700.00	5,624.95	5,681.83	5,598.29	15.10	15.65	111.68	-339.22	789.76	582.39	551.45	30.95	18.819		
5,800.00	5,723.50	5,781.21	5,696.04	15.40	15.96	111.51	-345.75	806.47	593.37	561.81	31.55	18.806		
5,900.00	5,822.05	5,880.60	5,793.78	15.70	16.28	111.35	-352.28	823.18	604.34	572.18	32.16	18.793		
6,000.00	5,920.60	5,979.98	5,891.53	16.00	16.59	111.20	-358.81	839.89	615.32	582.55	32.77	18.778		
6,100.00	6,019.15	6,079.36	5,989.28	16.31	16.91	111.05	-365.34	856.60	626.31	592.93	33.38	18.763		
6,200.00	6,117.70	6,178.74	6,087.03	16.61	17.23	110.91	-371.87	873.31	637.30	603.30	33.99	18.747		
6,300.00	6,216.25	6,278.12	6,184.78	16.92	17.55	110.77	-378.41	890.01	648.29	613.68	34.61	18.731		
6,400.00	6,314.80	6,377.50	6,282.53	17.22	17.87	110.63	-384.94	906.72	659.28	624.05	35.23	18.714		
6,500.00	6,413.35	6,476.89	6,380.28	17.53	18.19	110.50	-391.47	923.43	670.28	634.43	35.85	18.696		
6,600.00	6,512.28	6,574.01	6,475.89	17.79	18.48	128.39	-397.85	939.19	681.08	644.70	36.38	18.723		
6,700.00	6,612.08	6,666.28	6,567.76	17.94	18.64	-111.28	-403.76	944.17	691.33	654.66	36.67	18.851		
6,800.00	6,710.50	6,759.51	6,660.34	18.03	18.75	-94.43	-409.44	935.64	701.02	664.18	36.84	19.026		
6,900.00	6,805.12	6,853.89	6,751.80	18.06	18.80	-90.40	-414.76	913.32	709.94	673.03	36.91	19.236		
7,000.00	6,893.62	6,949.61	6,840.18	18.06	18.80	-88.74	-419.60	877.12	717.89	681.00	36.89	19.461		
7,100.00	6,973.81	7,046.82	6,923.39	18.03	18.78	-88.00	-423.83	827.21	724.71	687.88	36.83	19.677		
7,200.00	7,043.73	7,145.67	6,999.23	18.03	18.74	-87.76	-427.32	764.08	730.24	693.45	36.79	19.851		
7,300.00	7,101.64	7,246.23	7,065.47	18.07	18.71	-87.86	-429.94	688.59	734.34	697.51	36.82	19.943		
7,400.00	7,146.13	7,348.56	7,119.85	18.19	18.71	-88.21	-431.58	602.06	736.90	699.90	37.00	19.915		
7,500.00	7,176.09	7,452.63	7,160.27	18.41	18.78	-88.76	-432.15	506.29	737.85	700.47	37.38	19.740		
7,600.00	7,190.80	7,558.36	7,184.86	18.73	18.94	-89.48	-431.57	403.58	737.13	699.16	37.98	19.410		
7,700.00	7,190.87	7,665.65	7,192.14	19.15	19.23	-90.15	-429.81	296.68	734.77	695.98	38.79	18.942		
7,800.00	7,187.69	7,766.10	7,189.50	19.71	19.65	-90.20	-427.56	196.29	731.69	691.86	39.83	18.370		
7,900.00	7,184.51	7,866.05	7,186.84	20.39	20.20	-90.24	-425.31	96.40	728.61	687.50	41.11	17.724		
8,000.00	7,181.33	7,966.00	7,184.18	21.17	20.89	-90.28	-423.07	-3.49	725.53	682.91	42.61	17.026		
8,100.00	7,178.15	8,065.95	7,181.52	22.06	21.70	-90.32	-420.83	-103.38	722.44	678.12	44.32	16.300		
8,200.00	7,174.98	8,165.90	7,178.86	23.03	22.62	-90.37	-418.58	-203.27	719.36	673.15	46.21	15.567		
8,300.00	7,171.80	8,265.85	7,176.20	24.08	23.62	-90.41	-416.34	-303.16	716.28	668.02	48.26	14.842		
8,400.00	7,168.62	8,365.80	7,173.54	25.19	24.69	-90.45	-414.10	-403.05	713.20	662.74	50.45	14.136		
8,500.00	7,165.44	8,465.76	7,170.88	26.36	25.83	-90.50	-411.85	-502.94	710.11	657.35	52.76	13.458		
8,600.00	7,162.26	8,565.71	7,168.22	27.59	27.03	-90.54	-409.61	-602.83	707.03	651.85	55.18	12.812		
8,700.00	7,159.08	8,665.66	7,165.57	28.86	28.27	-90.58	-407.37	-702.72	703.95	646.26	57.70	12.201		
8,800.00	7,155.90	8,765.61	7,162.91	30.16	29.56	-90.63	-405.12	-802.61	700.87	640.58	60.29	11.625		
8,900.00	7,152.72	8,865.56	7,160.25	31.50	30.89	-90.67	-402.88	-902.50	697.79	634.83	62.96	11.083		
9,000.00	7,149.54	8,965.51	7,157.59	32.88	32.24	-90.72	-400.64	-1,002.40	694.71	629.03	65.69	10.576		
9,100.00	7,146.36	9,065.46	7,154.93	34.28	33.63	-90.77	-398.39	-1,102.29	691.64	623.16	68.47	10.101		
9,200.00	7,143.18	9,165.41	7,152.27	35.70	35.04	-90.81	-396.15	-1,202.18	688.56	617.25	71.30	9.657		
9,300.00	7,140.00	9,265.36	7,149.61	37.14	36.48	-90.86	-393.90	-1,302.07	685.48	611.30	74.18	9.241		
9,400.00	7,136.82	9,365.32	7,146.95	38.60	37.93	-90.91	-391.66	-1,401.96	682.40	605.31	77.09	8.852		
9,500.00	7,133.64	9,465.27	7,144.29	40.08	39.40	-90.96	-389.42	-1,501.85	679.32	599.28	80.04	8.487		
9,600.00	7,130.46	9,565.22	7,141.63	41.57	40.88	-91.00	-387.17	-1,601.74	676.25	593.23	83.02	8.146		
9,700.00	7,127.28	9,665.17	7,138.97	43.08	42.38	-91.05	-384.93	-1,701.63	673.17	587.15	86.02	7.825		
9,800.00	7,124.10	9,765.12	7,136.31	44.59	43.90	-91.10	-382.69	-1,801.52	670.10	581.04	89.05	7.525		
9,900.00	7,120.92	9,865.07	7,133.66	46.12	45.42	-91.15	-380.44	-1,901.41	667.02	574.92	92.10	7.242		
10,000.00	7,117.74	9,965.02	7,131.00	47.66	46.95	-91.20	-378.20	-2,001.30	663.95	568.77	95.17	6.976		
10,100.00	7,114.57	10,064.97	7,128.34	49.20	48.50	-91.25	-375.96	-2,101.19	660.87	562.61	98.26	6.726		
10,200.00	7,111.39	10,164.92	7,125.68	50.76	50.05	-91.30	-373.71	-2,201.08	657.80	556.43	101.37	6.489		
10,300.00	7,108.21	10,264.87	7,123.02	52.32	51.61	-91.35	-371.47	-2,300.97	654.73	550.24	104.49	6.266		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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						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	
10,400.00	7,105.03	10,364.83	7,120.36	53.88	53.17	-91.41	-369.23	-2,400.86	651.65	544.04	107.62	6.055	
10,500.00	7,101.85	10,464.78	7,117.70	55.46	54.75	-91.46	-366.98	-2,500.75	648.58	537.82	110.76	5.856	
10,600.00	7,098.67	10,564.73	7,115.04	57.04	56.33	-91.51	-364.74	-2,600.64	645.51	531.59	113.92	5.666	
10,700.00	7,095.49	10,664.68	7,112.38	58.62	57.91	-91.56	-362.49	-2,700.53	642.44	525.35	117.09	5.487	
10,800.00	7,092.31	10,764.63	7,109.72	60.21	59.50	-91.62	-360.25	-2,800.42	639.37	519.11	120.26	5.316	
10,900.00	7,089.13	10,864.58	7,107.06	61.80	61.09	-91.67	-358.01	-2,900.31	636.30	512.85	123.45	5.154	
11,000.00	7,085.95	10,964.53	7,104.40	63.40	62.69	-91.73	-355.76	-3,000.20	633.23	506.59	126.64	5.000	
11,100.00	7,082.77	11,064.48	7,101.75	65.00	64.29	-91.78	-353.52	-3,100.10	630.16	500.32	129.84	4.853	
11,200.00	7,079.59	11,164.43	7,099.09	66.61	65.89	-91.84	-351.28	-3,199.99	627.10	494.05	133.05	4.713	
11,300.00	7,076.41	11,264.38	7,096.43	68.21	67.50	-91.90	-349.03	-3,299.88	624.03	487.77	136.26	4.580	
11,400.00	7,073.23	11,364.34	7,093.77	69.82	69.11	-91.95	-346.79	-3,399.77	620.96	481.48	139.48	4.452	
11,500.00	7,070.05	11,464.29	7,091.11	71.44	70.73	-92.01	-344.55	-3,499.66	617.90	475.19	142.71	4.330	
11,600.00	7,066.87	11,564.24	7,088.45	73.05	72.34	-92.07	-342.30	-3,599.55	614.83	468.90	145.93	4.213	
11,700.00	7,063.69	11,664.19	7,085.79	74.67	73.96	-92.13	-340.06	-3,699.44	611.77	462.60	149.17	4.101	
11,800.00	7,060.51	11,764.14	7,083.13	76.29	75.58	-92.19	-337.82	-3,799.33	608.70	456.29	152.41	3.994	
11,900.00	7,057.33	11,864.09	7,080.47	77.92	77.21	-92.25	-335.57	-3,899.22	605.64	449.99	155.65	3.891	
12,000.00	7,054.15	11,964.04	7,077.81	79.54	78.83	-92.31	-333.33	-3,999.11	602.58	443.68	158.90	3.792	
12,100.00	7,050.98	12,063.99	7,075.15	81.17	80.46	-92.37	-331.08	-4,099.00	599.51	437.37	162.15	3.697	
12,200.00	7,047.80	12,163.94	7,072.49	82.80	82.09	-92.43	-328.84	-4,198.89	596.45	431.05	165.40	3.606	
12,300.00	7,044.62	12,263.90	7,069.84	84.43	83.72	-92.49	-326.60	-4,298.78	593.39	424.73	168.66	3.518	
12,400.00	7,041.44	12,363.85	7,067.18	86.06	85.35	-92.56	-324.35	-4,398.67	590.33	418.41	171.92	3.434	
12,500.00	7,038.26	12,463.80	7,064.52	87.69	86.99	-92.62	-322.11	-4,498.56	587.27	412.09	175.18	3.352	
12,600.00	7,035.08	12,563.75	7,061.86	89.33	88.63	-92.69	-319.87	-4,598.45	584.21	405.77	178.44	3.274	
12,700.00	7,031.90	12,663.70	7,059.20	90.96	90.26	-92.75	-317.62	-4,698.34	581.16	399.45	181.71	3.198	
12,800.00	7,028.72	12,763.65	7,056.54	92.60	91.90	-92.82	-315.38	-4,798.23	578.10	393.12	184.98	3.125	
12,900.00	7,025.54	12,863.60	7,053.88	94.24	93.54	-92.88	-313.14	-4,898.12	575.04	386.79	188.25	3.055	
13,000.00	7,022.36	12,963.55	7,051.22	95.88	95.18	-92.95	-310.89	-4,998.01	571.99	380.46	191.52	2.987	
13,100.00	7,019.18	13,063.50	7,048.56	97.52	96.82	-93.02	-308.65	-5,097.90	568.93	374.14	194.80	2.921	
13,200.00	7,016.00	13,163.45	7,045.90	99.16	98.47	-93.09	-306.41	-5,197.80	565.88	367.81	198.07	2.857	
13,300.00	7,012.82	13,263.41	7,043.24	100.80	100.11	-93.16	-304.16	-5,297.69	562.83	361.47	201.35	2.795	
13,400.00	7,009.64	13,363.36	7,040.59	102.44	101.76	-93.23	-301.92	-5,397.58	559.77	355.14	204.63	2.736	
13,500.00	7,006.46	13,463.31	7,037.93	104.09	103.40	-93.30	-299.67	-5,497.47	556.72	348.81	207.91	2.678	
13,600.00	7,003.28	13,563.26	7,035.27	105.73	105.05	-93.37	-297.43	-5,597.36	553.67	342.48	211.19	2.622	
13,700.00	7,000.10	13,663.21	7,032.61	107.38	106.70	-93.44	-295.19	-5,697.25	550.62	336.15	214.47	2.567	
13,800.00	6,996.92	13,763.16	7,030.20	109.03	108.19	-93.51	-293.57	-5,787.80	548.07	330.45	217.62	2.518	
13,845.87	6,995.47	13,792.33	7,029.17	109.78	108.83	-93.53	-293.62	-5,826.30	547.76	328.78	218.98	2.501	
13,900.00	6,993.74	13,837.78	7,027.96	110.67	109.57	-93.55	-294.35	-5,871.73	548.19	327.66	220.53	2.486	
14,000.00	6,990.57	13,923.43	7,025.69	112.32	110.97	-93.58	-297.66	-5,957.29	551.22	327.89	223.33	2.468	
14,100.00	6,987.39	14,023.34	7,023.03	113.97	112.61	-93.61	-302.66	-6,057.04	555.41	328.80	226.60	2.451	
14,200.00	6,984.21	14,123.26	7,020.37	115.62	114.25	-93.63	-307.66	-6,156.79	559.59	329.70	229.89	2.434	
14,300.00	6,981.03	14,223.17	7,017.72	117.27	115.89	-93.66	-312.66	-6,256.54	563.78	330.61	233.17	2.418	
14,400.00	6,977.85	14,323.08	7,015.06	118.92	117.53	-93.69	-317.65	-6,356.29	567.96	331.51	236.45	2.402	
14,500.00	6,974.67	14,422.99	7,012.41	120.57	119.17	-93.71	-322.65	-6,456.05	572.15	332.41	239.74	2.387	
14,600.00	6,971.49	14,522.90	7,009.75	122.22	120.81	-93.74	-327.65	-6,555.80	576.33	333.31	243.02	2.372	
14,700.00	6,968.31	14,622.82	7,007.10	123.87	122.45	-93.76	-332.64	-6,655.55	580.52	334.21	246.31	2.357	
14,800.00	6,965.13	14,722.73	7,004.44	125.53	124.09	-93.78	-337.64	-6,755.30	584.71	335.11	249.60	2.343	
14,900.00	6,961.95	14,822.64	7,001.79	127.18	125.73	-93.81	-342.64	-6,855.05	588.89	336.00	252.89	2.329	
15,000.00	6,958.77	14,922.55	6,999.13	128.83	127.38	-93.83	-347.63	-6,954.80	593.08	336.90	256.18	2.315	
15,100.00	6,955.59	15,022.46	6,996.48	130.49	129.02	-93.85	-352.63	-7,054.56	597.27	337.79	259.47	2.302	
15,200.00	6,952.41	15,122.38	6,993.82	132.14	130.66	-93.88	-357.63	-7,154.31	601.45	338.69	262.76	2.289	
15,300.00	6,949.23	15,222.29	6,991.17	133.80	132.31	-93.90	-362.63	-7,254.06	605.64	339.58	266.05	2.276	
15,400.00	6,946.05	15,322.20	6,988.51	135.45	133.95	-93.92	-367.62	-7,353.81	609.83	340.48	269.35	2.264	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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-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
15,500.00	6,942.87	15,422.11	6,985.85	137.11	135.60	-93.94	-372.62	-7,453.56	614.01	341.37	272.64	2.252	
15,533.10	6,941.82	15,455.18	6,984.98	137.66	136.14	-93.95	-374.27	-7,486.58	615.40	341.67	273.73	2.248 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	-89.83	3.30	-1,099.72	1,099.72				
100.00	100.00	101.00	101.00	3.28	3.28	-89.83	3.30	-1,099.72	1,099.72	1,092.19	7.53	146.066	
200.00	200.00	201.00	201.00	3.31	3.31	-89.83	3.30	-1,099.72	1,099.72	1,092.15	7.57	145.193	
300.00	299.98	300.98	300.98	3.35	3.35	-164.34	3.30	-1,099.72	1,101.40	1,093.74	7.66	143.730	
400.00	399.84	400.84	400.84	3.42	3.42	-164.39	3.30	-1,099.72	1,106.44	1,098.65	7.80	141.919	
500.00	499.45	500.45	500.45	3.51	3.50	-164.46	3.30	-1,099.72	1,114.84	1,106.87	7.97	139.813	
600.00	598.70	600.30	599.70	3.63	3.61	-164.57	3.30	-1,099.72	1,126.59	1,118.40	8.19	137.485	
700.00	697.47	701.53	698.47	3.78	3.74	-164.71	3.30	-1,099.72	1,141.67	1,133.20	8.46	134.915	
800.00	796.02	802.98	797.02	3.97	3.88	-164.93	3.30	-1,099.72	1,158.06	1,149.31	8.75	132.323	
900.00	894.57	895.57	895.57	4.18	4.02	-165.14	3.30	-1,099.72	1,174.47	1,165.41	9.06	129.633	
1,000.00	993.12	1,060.91	1,060.82	4.41	4.28	-165.49	3.37	-1,095.20	1,188.25	1,178.77	9.48	125.314	
1,100.00	1,091.67	1,231.52	1,230.78	4.67	4.58	-165.84	3.59	-1,080.56	1,196.17	1,186.24	9.93	120.422	
1,200.00	1,190.22	1,403.14	1,400.55	4.94	4.94	-166.19	3.95	-1,055.65	1,198.15	1,187.74	10.42	115.034	
1,300.00	1,288.77	1,524.90	1,520.13	5.22	5.24	-166.45	4.30	-1,032.66	1,195.60	1,184.73	10.87	109.942	
1,400.00	1,387.32	1,624.77	1,618.12	5.52	5.51	-166.65	4.58	-1,013.42	1,192.79	1,181.46	11.33	105.269	
1,500.00	1,485.87	1,724.64	1,716.12	5.82	5.80	-166.86	4.86	-994.18	1,190.00	1,178.19	11.81	100.803	
1,600.00	1,584.42	1,824.50	1,814.11	6.14	6.07	-167.07	5.15	-974.94	1,187.22	1,175.13	12.09	98.164	
1,700.00	1,682.97	1,924.37	1,912.11	6.46	6.20	-167.28	5.43	-955.70	1,184.46	1,172.01	12.45	95.157	
1,800.00	1,781.52	2,024.24	2,010.10	6.79	6.24	-167.50	5.72	-936.45	1,181.71	1,168.98	12.73	92.826	
1,900.00	1,880.07	2,124.10	2,108.10	6.96	6.30	-167.71	6.00	-917.21	1,178.98	1,166.29	12.70	92.868	
2,000.00	1,978.62	2,223.97	2,206.09	7.00	6.39	-167.92	6.29	-897.97	1,176.27	1,163.50	12.77	92.123	
2,100.00	2,077.17	2,323.83	2,304.09	7.06	6.48	-168.14	6.57	-878.73	1,173.57	1,160.70	12.87	91.158	
2,200.00	2,175.71	2,423.70	2,402.08	7.13	6.60	-168.35	6.86	-859.49	1,170.89	1,157.88	13.01	89.994	
2,300.00	2,274.26	2,523.57	2,500.08	7.21	6.74	-168.57	7.14	-840.25	1,168.23	1,155.05	13.18	88.650	
2,400.00	2,372.81	2,623.43	2,598.07	7.31	6.88	-168.79	7.43	-821.01	1,165.58	1,152.21	13.37	87.151	
2,500.00	2,471.36	2,723.30	2,696.07	7.43	7.05	-169.01	7.71	-801.76	1,162.95	1,149.35	13.60	85.521	
2,600.00	2,569.91	2,823.17	2,794.06	7.55	7.23	-169.23	8.00	-782.52	1,160.34	1,146.49	13.85	83.785	
2,700.00	2,668.46	2,923.03	2,892.05	7.69	7.42	-169.45	8.28	-763.28	1,157.74	1,143.62	14.12	81.965	
2,800.00	2,767.01	3,022.90	2,990.05	7.84	7.62	-169.67	8.56	-744.04	1,155.16	1,140.74	14.42	80.086	
2,900.00	2,865.56	3,122.76	3,088.04	8.01	7.84	-169.89	8.85	-724.80	1,152.60	1,137.86	14.75	78.166	
3,000.00	2,964.11	3,222.63	3,186.04	8.18	8.06	-170.12	9.13	-705.56	1,150.06	1,134.97	15.09	76.223	
3,100.00	3,062.66	3,322.50	3,284.03	8.36	8.29	-170.34	9.42	-686.32	1,147.53	1,132.08	15.45	74.280	
3,200.00	3,161.21	3,422.36	3,382.03	8.55	8.53	-170.57	9.70	-667.07	1,145.02	1,129.20	15.83	72.340	
3,300.00	3,259.76	3,522.23	3,480.02	8.76	8.78	-170.79	9.99	-647.83	1,142.53	1,126.31	16.22	70.420	
3,400.00	3,358.31	3,622.10	3,578.02	8.96	9.04	-171.02	10.27	-628.59	1,140.06	1,123.43	16.64	68.528	
3,500.00	3,456.86	3,721.96	3,676.01	9.18	9.30	-171.25	10.56	-609.35	1,137.61	1,120.55	17.06	66.672	
3,600.00	3,555.41	3,821.83	3,774.01	9.40	9.57	-171.48	10.84	-590.11	1,135.17	1,117.67	17.50	64.859	
3,700.00	3,653.96	3,921.70	3,872.00	9.63	9.85	-171.71	11.13	-570.87	1,132.76	1,114.80	17.95	63.091	
3,800.00	3,752.51	4,021.56	3,970.00	9.87	10.13	-171.94	11.41	-551.63	1,130.36	1,111.94	18.42	61.374	
3,900.00	3,851.06	4,121.43	4,067.99	10.11	10.41	-172.17	11.70	-532.38	1,127.98	1,109.08	18.89	59.707	
4,000.00	3,949.61	4,221.29	4,165.99	10.36	10.70	-172.41	11.98	-513.14	1,125.61	1,106.24	19.38	58.094	
4,100.00	4,048.16	4,321.16	4,263.98	10.61	10.99	-172.64	12.26	-493.90	1,123.27	1,103.40	19.87	56.534	
4,200.00	4,146.71	4,421.03	4,361.98	10.87	11.29	-172.88	12.55	-474.66	1,120.95	1,100.58	20.37	55.028	
4,300.00	4,245.26	4,520.89	4,459.97	11.13	11.59	-173.11	12.83	-455.42	1,118.64	1,097.76	20.88	53.574	
4,400.00	4,343.81	4,620.76	4,557.96	11.39	11.89	-173.35	13.12	-436.18	1,116.36	1,094.96	21.40	52.173	
4,500.00	4,442.36	4,720.63	4,655.96	11.66	12.20	-173.59	13.40	-416.94	1,114.09	1,092.17	21.92	50.822	
4,600.00	4,540.91	4,820.49	4,753.95	11.94	12.51	-173.83	13.69	-397.69	1,111.84	1,089.39	22.45	49.521	
4,700.00	4,639.46	4,920.36	4,851.95	12.21	12.82	-174.07	13.97	-378.45	1,109.62	1,086.63	22.99	48.269	
4,800.00	4,738.01	5,020.22	4,949.94	12.49	13.13	-174.31	14.26	-359.21	1,107.41	1,083.88	23.53	47.063	
4,900.00	4,836.56	5,120.09	5,047.94	12.77	13.44	-174.55	14.54	-339.97	1,105.22	1,081.14	24.08	45.902	
5,000.00	4,935.11	5,219.96	5,145.93	13.05	13.76	-174.80	14.83	-320.73	1,103.05	1,078.42	24.63	44.785	
5,100.00	5,033.66	5,319.82	5,243.93	13.34	14.08	-175.04	15.11	-301.49	1,100.90	1,075.72	25.19	43.709	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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: 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	5,132.21	5,419.69	5,341.92	13.63	14.40	-175.29	15.40	-282.25	1,098.78	1,073.03	25.75	42.673	
5,300.00	5,230.76	5,519.56	5,439.92	13.92	14.72	-175.53	15.68	-263.00	1,096.67	1,070.35	26.31	41.676	
5,400.00	5,329.30	5,619.42	5,537.91	14.21	15.05	-175.78	15.96	-243.76	1,094.58	1,067.70	26.88	40.716	
5,500.00	5,427.85	5,719.29	5,635.91	14.50	15.37	-176.03	16.25	-224.52	1,092.51	1,065.06	27.46	39.790	
5,600.00	5,526.40	5,819.16	5,733.90	14.80	15.70	-176.28	16.53	-205.28	1,090.47	1,062.43	28.03	38.899	
5,700.00	5,624.95	5,919.02	5,831.90	15.10	16.03	-176.53	16.82	-186.04	1,088.44	1,059.83	28.61	38.040	
5,800.00	5,723.50	6,018.89	5,929.89	15.40	16.36	-176.78	17.10	-166.80	1,086.44	1,057.24	29.20	37.211	
5,900.00	5,822.05	6,118.75	6,027.89	15.70	16.69	-177.03	17.39	-147.56	1,084.45	1,054.67	29.78	36.412	
6,000.00	5,920.60	6,218.62	6,125.88	16.00	17.02	-177.28	17.67	-128.31	1,082.49	1,052.12	30.37	35.641	
6,100.00	6,019.15	6,318.49	6,223.88	16.31	17.35	-177.54	17.96	-109.07	1,080.55	1,049.58	30.96	34.897	
6,200.00	6,117.70	6,418.35	6,321.87	16.61	17.69	-177.79	18.24	-89.83	1,078.63	1,047.07	31.56	34.179	
6,300.00	6,216.25	6,518.22	6,419.86	16.92	18.02	-178.05	18.53	-70.59	1,076.73	1,044.57	32.16	33.486	
6,400.00	6,314.80	6,618.09	6,518.41	17.22	18.35	-178.30	18.82	-51.34	1,074.83	1,042.07	32.76	32.793	
6,500.00	6,413.35	6,717.96	6,617.96	17.53	18.67	-178.55	19.11	-32.09	1,072.93	1,039.57	33.36	32.100	
6,600.00	6,512.28	6,817.83	6,717.83	17.79	18.99	-178.80	19.40	-12.84	1,071.03	1,037.07	33.96	31.407	
6,700.00	6,612.08	6,917.70	6,817.70	17.94	19.31	-179.05	19.69	7.41	1,069.13	1,034.57	34.56	30.714	
6,800.00	6,710.50	7,017.57	6,917.57	18.03	19.63	-179.30	19.98	28.16	1,067.23	1,032.07	35.16	30.021	
6,900.00	6,805.12	7,117.44	7,017.44	18.06	19.95	-179.55	20.27	58.91	1,065.33	1,029.57	35.76	29.328	
7,000.00	6,893.62	7,217.31	7,117.31	18.06	20.27	-179.80	20.56	89.66	1,063.43	1,027.07	36.36	28.635	
7,100.00	6,973.81	7,317.18	7,217.18	18.03	20.59	-180.05	20.85	120.41	1,061.53	1,024.57	36.96	27.942	
7,200.00	7,043.73	7,417.05	7,317.05	18.03	20.91	-180.30	21.14	151.16	1,059.63	1,022.07	37.56	27.249	
7,300.00	7,101.64	7,516.92	7,416.92	18.07	21.23	-180.55	21.43	181.91	1,057.73	1,019.57	38.16	26.556	
7,400.00	7,146.13	7,616.79	7,516.79	18.19	21.55	-180.80	21.72	212.66	1,055.83	1,017.07	38.76	25.863	
7,500.00	7,176.09	7,716.66	7,616.66	18.41	21.87	-181.05	22.01	243.41	1,053.93	1,014.57	39.36	25.170	
7,600.00	7,190.80	7,816.53	7,716.53	18.73	22.19	-181.30	22.30	274.16	1,052.03	1,012.07	39.96	24.477	
7,700.00	7,190.87	7,916.40	7,816.40	19.15	22.51	-181.55	22.62	304.91	1,050.13	1,009.57	40.56	23.784	
7,761.10	7,188.93	7,978.52	7,878.52	19.49	22.85	-181.80	22.96	335.66	1,048.23	1,007.07	41.16	23.091	6.695 CC, ES, SF
7,800.00	7,187.69	8,016.39	7,916.39	19.71	23.17	-182.05	23.25	366.41	1,046.33	1,004.57	41.76	22.398	
7,900.00	7,184.51	8,116.26	8,016.26	20.39	23.85	-182.30	23.93	397.16	1,044.43	1,002.07	42.36	21.705	
8,000.00	7,181.33	8,216.13	8,116.13	21.17	24.53	-182.55	24.61	427.91	1,042.53	1,000.00	42.96	21.012	
8,100.00	7,178.15	8,316.00	8,216.00	22.06	25.21	-182.80	25.29	458.66	1,040.63	997.50	43.56	20.319	
8,200.00	7,174.98	8,415.87	8,315.87	23.03	25.89	-183.05	26.01	489.41	1,038.73	995.00	44.16	19.626	
8,300.00	7,171.80	8,515.74	8,415.74	24.08	26.57	-183.30	26.73	520.16	1,036.83	992.50	44.76	18.933	
8,400.00	7,168.62	8,615.61	8,515.61	25.19	27.25	-183.55	27.45	550.91	1,034.93	990.00	45.36	18.240	
8,500.00	7,165.44	8,715.48	8,615.48	26.36	27.93	-183.80	28.17	581.66	1,033.03	987.50	45.96	17.547	
8,600.00	7,162.26	8,815.35	8,715.35	27.59	28.61	-184.05	28.89	612.41	1,031.13	985.00	46.56	16.854	
8,700.00	7,159.08	8,915.22	8,815.22	28.86	29.29	-184.30	29.61	643.16	1,029.23	982.50	47.16	16.161	
8,800.00	7,155.90	9,015.09	8,915.09	30.16	29.97	-184.55	29.92	673.91	1,027.33	980.00	47.76	15.468	
8,900.00	7,152.72	9,114.96	9,014.96	31.50	30.65	-184.80	30.24	704.66	1,025.43	977.50	48.36	14.775	
9,000.00	7,149.54	9,214.83	9,114.83	32.88	31.33	-185.05	30.56	735.41	1,023.53	975.00	48.96	14.082	
9,100.00	7,146.36	9,314.70	9,214.70	34.28	32.01	-185.30	30.88	766.16	1,021.63	972.50	49.56	13.389	
9,200.00	7,143.18	9,414.57	9,314.57	35.70	32.69	-185.55	31.20	796.91	1,019.73	970.00	50.16	12.696	
9,300.00	7,140.00	9,514.44	9,414.44	37.14	33.37	-185.80	31.52	827.66	1,017.83	967.50	50.76	12.003	
9,400.00	7,136.82	9,614.31	9,514.31	38.60	34.05	-186.05	31.84	858.41	1,015.93	965.00	51.36	11.310	
9,500.00	7,133.64	9,714.18	9,614.18	40.08	34.73	-186.30	32.16	889.16	1,014.03	962.50	51.96	10.617	
9,600.00	7,130.46	9,814.05	9,714.05	41.57	35.41	-186.55	32.48	919.91	1,012.13	960.00	52.56	9.924	
9,700.00	7,127.28	9,913.92	9,813.92	43.08	36.09	-186.80	32.80	950.66	1,010.23	957.50	53.16	9.231	
9,800.00	7,124.10	10,013.79	9,913.79	44.59	36.77	-187.05	33.12	981.41	1,008.33	955.00	53.76	8.538	
9,900.00	7,120.92	10,113.66	10,013.66	46.12	37.45	-187.30	33.44	1,012.16	1,006.43	952.50	54.36	7.845	
10,000.00	7,117.74	10,213.53	10,113.53	47.66	38.13	-187.55	33.76	1,042.91	1,004.53	950.00	54.96	7.152	
10,100.00	7,114.57	10,313.40	10,213.40	49.20	38.81	-187.80	34.08	1,073.66	1,002.63	947.50	55.56	6.459	
10,200.00	7,111.39	10,413.27	10,313.27	50.76	39.49	-188.05	34.40	1,104.41	1,000.73	945.00	56.16	5.766	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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						
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	7,108.21	6,768.57	6,665.52	52.32	18.86	-28.75	19.24	-22.35	2,321.62	2,283.94	37.68	61.610	
10,400.00	7,105.03	6,746.19	6,643.56	53.88	18.79	-27.76	19.18	-26.67	2,418.39	2,380.62	37.77	64.026	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	-89.82	3.30	-1,079.67	1,079.68				
100.00	100.00	101.00	101.00	3.28	3.28	-89.82	3.30	-1,079.67	1,079.68	1,072.15	7.53	143.403	
200.00	200.00	201.00	201.00	3.31	3.31	-89.82	3.30	-1,079.67	1,079.68	1,072.10	7.57	142.546	
300.00	299.98	349.33	349.29	3.35	3.38	-164.38	2.92	-1,076.78	1,079.54	1,071.86	7.68	140.521	
400.00	399.84	508.80	508.31	3.42	3.51	-164.60	1.38	-1,065.25	1,077.35	1,069.51	7.85	137.279	
500.00	499.45	667.75	665.93	3.51	3.71	-164.96	-1.32	-1,045.06	1,073.03	1,064.96	8.08	132.882	
600.00	598.70	785.72	782.20	3.63	3.92	-165.33	-3.96	-1,025.29	1,067.93	1,059.59	8.34	128.108	
700.00	697.47	885.49	880.47	3.78	4.13	-165.69	-6.23	-1,008.22	1,065.94	1,057.31	8.63	123.466	
800.00	796.02	985.25	978.74	3.97	4.37	-166.06	-8.51	-991.15	1,065.32	1,056.35	8.97	118.739	
900.00	894.57	1,085.02	1,077.01	4.18	4.62	-166.42	-10.79	-974.08	1,064.75	1,055.40	9.34	113.943	
1,000.00	993.12	1,184.78	1,175.27	4.41	4.90	-166.79	-13.07	-957.01	1,064.21	1,054.47	9.75	109.183	
1,100.00	1,091.67	1,284.55	1,273.54	4.67	5.18	-167.16	-15.35	-939.94	1,063.73	1,053.55	10.18	104.536	
1,200.00	1,190.22	1,384.31	1,371.81	4.94	5.48	-167.53	-17.63	-922.87	1,063.28	1,052.66	10.63	100.066	
1,300.00	1,288.77	1,484.08	1,470.07	5.22	5.79	-167.90	-19.90	-905.80	1,062.88	1,051.79	11.10	95.779	
1,400.00	1,387.32	1,583.84	1,568.34	5.52	6.11	-168.26	-22.18	-888.73	1,062.53	1,050.94	11.59	91.711	
1,500.00	1,485.87	1,683.61	1,666.61	5.82	6.44	-168.63	-24.46	-871.66	1,062.22	1,050.13	12.09	87.868	
1,600.00	1,584.42	1,783.37	1,764.88	6.14	6.77	-169.00	-26.74	-854.59	1,061.95	1,049.35	12.61	84.248	
1,700.00	1,682.97	1,883.14	1,863.14	6.46	6.98	-169.37	-29.02	-837.52	1,061.73	1,048.88	12.85	82.625	
1,800.00	1,781.52	1,982.90	1,961.41	6.79	7.04	-169.74	-31.30	-820.45	1,061.55	1,048.40	13.15	80.722	
1,900.00	1,880.07	2,082.67	2,059.68	6.96	7.10	-170.11	-33.57	-803.38	1,061.42	1,048.31	13.11	80.963	
2,000.00	1,978.62	2,182.43	2,157.94	7.00	7.17	-170.48	-35.85	-786.31	1,061.33	1,048.15	13.18	80.554	
2,100.00	2,077.17	2,282.19	2,256.21	7.06	7.25	-170.85	-38.13	-769.24	1,061.28	1,048.01	13.27	79.965	
2,153.21	2,129.60	2,335.28	2,308.50	7.10	7.30	-171.04	-39.34	-760.16	1,061.27	1,047.94	13.34	79.567	
2,200.00	2,175.71	2,381.96	2,354.48	7.13	7.35	-171.22	-40.41	-752.17	1,061.28	1,047.88	13.40	79.207	
2,300.00	2,274.26	2,481.72	2,452.74	7.21	7.46	-171.59	-42.69	-735.10	1,061.32	1,047.77	13.56	78.296	
2,400.00	2,372.81	2,581.49	2,551.01	7.31	7.59	-171.95	-44.97	-718.03	1,061.41	1,047.67	13.74	77.248	
2,500.00	2,471.36	2,681.25	2,649.28	7.43	7.73	-172.32	-47.24	-700.96	1,061.54	1,047.59	13.95	76.081	
2,600.00	2,569.91	2,781.02	2,747.55	7.55	7.89	-172.69	-49.52	-683.89	1,061.72	1,047.52	14.19	74.813	
2,700.00	2,668.46	2,880.78	2,845.81	7.69	8.05	-173.06	-51.80	-666.82	1,061.94	1,047.48	14.46	73.463	
2,800.00	2,767.01	2,980.55	2,944.08	7.84	8.23	-173.43	-54.08	-649.75	1,062.20	1,047.46	14.74	72.049	
2,900.00	2,865.56	3,080.31	3,042.35	8.01	8.41	-173.80	-56.36	-632.69	1,062.51	1,047.46	15.05	70.586	
3,000.00	2,964.11	3,180.08	3,140.61	8.18	8.61	-174.17	-58.64	-615.62	1,062.86	1,047.48	15.38	69.091	
3,100.00	3,062.66	3,279.84	3,238.88	8.36	8.81	-174.54	-60.92	-598.55	1,063.26	1,047.52	15.73	67.576	
3,200.00	3,161.21	3,379.61	3,337.15	8.55	9.02	-174.90	-63.19	-581.48	1,063.70	1,047.59	16.10	66.055	
3,300.00	3,259.76	3,479.37	3,435.42	8.76	9.25	-175.27	-65.47	-564.41	1,064.18	1,047.69	16.49	64.537	
3,400.00	3,358.31	3,579.14	3,533.68	8.96	9.47	-175.64	-67.75	-547.34	1,064.71	1,047.82	16.89	63.030	
3,500.00	3,456.86	3,678.90	3,631.95	9.18	9.71	-176.00	-70.03	-530.27	1,065.28	1,047.97	17.31	61.543	
3,600.00	3,555.41	3,778.66	3,730.22	9.40	9.95	-176.37	-72.31	-513.20	1,065.90	1,048.16	17.74	60.081	
3,700.00	3,653.96	3,878.43	3,828.48	9.63	10.20	-176.74	-74.59	-496.13	1,066.56	1,048.37	18.19	58.649	
3,800.00	3,752.51	3,978.19	3,926.75	9.87	10.45	-177.10	-76.86	-479.06	1,067.26	1,048.62	18.64	57.250	
3,900.00	3,851.06	4,077.96	4,025.02	10.11	10.70	-177.47	-79.14	-461.99	1,068.01	1,048.90	19.11	55.887	
4,000.00	3,949.61	4,177.72	4,123.29	10.36	10.97	-177.83	-81.42	-444.92	1,068.80	1,049.21	19.59	54.562	
4,100.00	4,048.16	4,277.49	4,221.55	10.61	11.23	-178.20	-83.70	-427.85	1,069.64	1,049.56	20.08	53.276	
4,200.00	4,146.71	4,377.25	4,319.82	10.87	11.50	-178.56	-85.98	-410.78	1,070.51	1,049.94	20.57	52.030	
4,300.00	4,245.26	4,477.02	4,418.09	11.13	11.78	-178.92	-88.26	-393.71	1,071.43	1,050.35	21.08	50.825	
4,400.00	4,343.81	4,576.78	4,516.35	11.39	12.05	-179.28	-90.53	-376.64	1,072.40	1,050.80	21.59	49.660	
4,500.00	4,442.36	4,676.55	4,614.62	11.66	12.33	-179.64	-92.81	-359.57	1,073.40	1,051.29	22.12	48.534	
4,600.00	4,540.91	4,776.31	4,712.89	11.94	12.62	-179.99	-95.09	-342.50	1,074.45	1,051.81	22.65	47.447	
4,700.00	4,639.46	4,876.08	4,811.15	12.21	12.90	-179.63	-97.37	-325.43	1,075.54	1,052.36	23.18	46.399	
4,800.00	4,738.01	4,975.84	4,909.42	12.49	13.19	-179.28	-99.65	-308.36	1,076.68	1,052.96	23.72	45.387	
4,900.00	4,836.56	5,075.61	5,007.69	12.77	13.49	-178.92	-101.93	-291.29	1,077.86	1,053.59	24.27	44.413	
5,000.00	4,935.11	5,175.37	5,105.96	13.05	13.78	-178.56	-104.20	-274.22	1,079.07	1,054.25	24.82	43.473	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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
5,100.00	5,033.66	5,275.13	5,204.22	13.34	14.08	178.20	-106.48	-257.15	1,080.34	1,054.96	25.38	42.567	
5,200.00	5,132.21	5,374.90	5,302.49	13.63	14.37	177.85	-108.76	-240.08	1,081.64	1,055.70	25.94	41.694	
5,300.00	5,230.76	5,474.66	5,400.76	13.92	14.67	177.49	-111.04	-223.01	1,082.98	1,056.47	26.51	40.852	
5,400.00	5,329.30	5,574.43	5,499.02	14.21	14.98	177.14	-113.32	-205.94	1,084.37	1,057.29	27.08	40.041	
5,500.00	5,427.85	5,674.19	5,597.29	14.50	15.28	176.78	-115.60	-188.87	1,085.80	1,058.14	27.66	39.259	
5,600.00	5,526.40	5,773.96	5,695.56	14.80	15.59	176.43	-117.87	-171.80	1,087.27	1,059.03	28.24	38.505	
5,700.00	5,624.95	5,873.72	5,793.83	15.10	15.89	176.08	-120.15	-154.73	1,088.78	1,059.96	28.82	37.778	
5,800.00	5,723.50	5,973.49	5,892.09	15.40	16.20	175.73	-122.43	-137.66	1,090.33	1,060.93	29.41	37.077	
5,900.00	5,822.05	6,073.25	5,990.36	15.70	16.51	175.38	-124.71	-120.59	1,091.93	1,061.93	30.00	36.400	
6,000.00	5,920.60	6,173.02	6,088.63	16.00	16.82	175.03	-126.99	-103.53	1,093.56	1,062.97	30.59	35.747	
6,100.00	6,019.15	6,272.78	6,186.89	16.31	17.13	174.68	-129.27	-86.46	1,095.23	1,064.04	31.19	35.117	
6,200.00	6,117.70	7,918.76	7,126.52	16.61	29.37	124.58	-145.89	948.24	1,086.89	1,055.17	31.72	34.261	
6,300.00	6,216.25	7,934.70	7,126.45	16.92	29.58	122.78	-145.79	964.18	997.95	965.22	32.73	30.492	
6,400.00	6,314.80	7,950.64	7,126.38	17.22	29.79	120.95	-145.70	980.12	911.02	877.11	33.92	26.860	
6,500.00	6,413.35	7,966.58	7,126.31	17.53	29.99	119.08	-145.60	996.06	826.75	791.41	35.34	23.391	
6,600.00	6,512.28	7,979.66	7,126.25	17.79	30.16	127.83	-145.52	1,009.13	745.74	708.70	37.03	20.137	
6,700.00	6,612.08	7,978.29	7,126.25	17.94	30.14	-122.81	-145.53	1,007.76	669.01	630.10	38.91	17.194	
6,800.00	6,710.50	7,961.31	7,126.33	18.03	29.92	-112.62	-145.63	990.79	600.08	559.17	40.91	14.669	
6,900.00	6,805.12	7,929.14	7,126.47	18.06	29.51	-111.23	-145.83	958.62	542.50	499.65	42.85	12.661	
7,000.00	6,893.62	7,882.57	7,126.68	18.06	28.91	-108.88	-146.11	912.05	498.98	454.55	44.43	11.230	
7,100.00	6,973.81	7,822.75	7,126.95	18.03	28.16	-104.79	-146.47	852.23	470.55	425.21	45.34	10.378	
7,200.00	7,043.73	7,751.16	7,127.27	18.03	27.28	-99.39	-146.90	780.64	455.88	410.45	45.43	10.034 SF	
7,300.00	7,101.64	7,669.54	7,127.63	18.07	26.31	-93.49	-147.39	699.02	451.56	406.71	44.85	10.069 ES	
7,310.64	7,107.04	7,660.35	7,127.67	18.08	26.20	-92.88	-147.45	689.83	451.53	406.77	44.76	10.088 CC	
7,400.00	7,146.13	7,579.99	7,128.00	18.19	25.28	-88.12	-147.93	609.48	453.18	409.28	43.90	10.324	
7,500.00	7,176.09	7,490.88	7,121.33	18.41	24.30	-83.47	-148.30	520.69	457.32	414.42	42.90	10.661	
7,600.00	7,190.80	7,405.71	7,103.44	18.73	23.40	-79.20	-148.36	437.48	463.03	421.07	41.96	11.036	
7,700.00	7,190.87	7,324.03	7,076.00	19.15	22.58	-75.50	-148.15	360.62	469.97	428.82	41.15	11.420	
7,800.00	7,187.69	7,250.00	7,042.81	19.71	21.88	-71.85	-147.73	294.48	481.64	441.16	40.48	11.898	
7,900.00	7,184.51	7,182.67	7,006.15	20.39	21.29	-67.91	-147.18	238.05	500.61	460.70	39.91	12.545	
8,000.00	7,181.33	7,124.42	6,969.78	21.17	20.82	-64.16	-146.57	192.58	528.13	488.68	39.46	13.385	
8,100.00	7,178.15	7,073.79	6,934.90	22.06	20.45	-60.74	-145.94	155.90	564.65	525.52	39.12	14.432	
8,200.00	7,174.98	7,029.89	6,902.39	23.03	20.14	-57.72	-145.33	126.43	609.86	570.97	38.89	15.680	
8,300.00	7,171.80	6,991.81	6,872.60	24.08	19.89	-55.10	-144.75	102.73	662.98	624.24	38.74	17.114	
8,400.00	7,168.62	6,950.00	6,838.32	25.19	19.63	-52.26	-144.06	78.81	723.09	684.49	38.60	18.733	
8,500.00	7,165.44	6,929.77	6,821.19	26.36	19.52	-50.92	-143.71	68.06	788.85	750.27	38.58	20.448	
8,600.00	7,162.26	6,900.00	6,795.38	27.59	19.35	-48.97	-143.17	53.24	859.61	821.08	38.53	22.313	
8,700.00	7,159.08	6,882.02	6,779.47	28.86	19.26	-47.82	-142.84	44.88	934.37	895.86	38.51	24.266	
8,800.00	7,155.90	6,850.00	6,750.56	30.16	19.09	-45.82	-142.22	31.11	1,012.69	974.21	38.48	26.320	
8,900.00	7,152.72	6,850.00	6,750.56	31.50	19.09	-45.82	-142.22	31.11	1,093.48	1,055.02	38.46	28.433	
9,000.00	7,149.54	6,828.72	6,730.99	32.88	18.99	-44.54	-141.79	22.78	1,176.70	1,138.25	38.44	30.608	
9,100.00	7,146.36	6,814.50	6,717.76	34.28	18.93	-43.70	-141.50	17.57	1,261.90	1,223.48	38.43	32.839	
9,200.00	7,143.18	6,800.00	6,704.15	35.70	18.86	-42.86	-141.20	12.57	1,348.76	1,310.35	38.41	35.111	
9,300.00	7,140.00	6,800.00	6,704.15	37.14	18.86	-42.86	-141.20	12.57	1,437.12	1,398.74	38.38	37.447	
9,400.00	7,136.82	6,779.40	6,684.63	38.60	18.78	-41.70	-140.77	6.00	1,526.45	1,488.07	38.39	39.763	
9,500.00	7,133.64	6,769.70	6,675.37	40.08	18.74	-41.17	-140.56	3.13	1,616.93	1,578.55	38.38	42.131	
9,600.00	7,130.46	6,750.00	6,656.43	41.57	18.66	-40.11	-140.14	-2.27	1,708.41	1,670.01	38.40	44.491	
9,700.00	7,127.28	6,750.00	6,656.43	43.08	18.66	-40.11	-140.14	-2.27	1,800.43	1,762.06	38.37	46.921	
9,800.00	7,124.10	6,750.00	6,656.43	44.59	18.66	-40.11	-140.14	-2.27	1,893.26	1,854.92	38.35	49.373	
9,900.00	7,120.92	6,750.00	6,656.43	46.12	18.66	-40.11	-140.14	-2.27	1,986.79	1,948.47	38.32	51.843	
10,000.00	7,117.74	6,731.62	6,638.62	47.66	18.59	-39.15	-139.73	-6.77	2,080.58	2,042.21	38.36	54.234	
10,100.00	7,114.57	6,725.60	6,632.75	49.20	18.57	-38.84	-139.60	-8.14	2,174.97	2,136.61	38.37	56.688	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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	
10,200.00	7,111.39	6,719.98	6,627.27	50.76	18.55	-38.56	-139.47	-9.36	2,269.79	2,231.41	38.37	59.150	
10,300.00	7,108.21	6,700.00	6,607.69	52.32	18.48	-37.57	-139.02	-13.32	2,365.18	2,326.75	38.43	61.544	
10,400.00	7,105.03	6,700.00	6,607.69	53.88	18.48	-37.57	-139.02	-13.32	2,460.58	2,422.16	38.43	64.034	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	0.00	0.00	3.28	3.28	-89.82	3.30	-1,059.63	1,059.63				
100.00	100.00	100.00	100.00	3.28	3.28	-89.82	3.30	-1,059.63	1,059.63	1,052.10	7.53	140.743	
200.00	200.00	200.00	200.00	3.31	3.31	-89.82	3.30	-1,059.63	1,059.63	1,052.06	7.57	139.906	
300.00	299.98	354.29	354.22	3.35	3.38	-164.43	2.02	-1,055.68	1,058.75	1,051.07	7.68	137.804	
400.00	399.84	508.23	507.63	3.42	3.51	-164.77	-1.82	-1,043.87	1,056.12	1,048.27	7.85	134.614	
500.00	499.45	661.46	659.46	3.51	3.71	-165.34	-8.16	-1,024.36	1,051.80	1,043.72	8.07	130.303	
600.00	598.70	770.93	767.36	3.63	3.90	-165.87	-13.88	-1,006.77	1,047.52	1,039.19	8.33	125.726	
685.51	683.21	856.05	851.24	3.76	4.08	-166.31	-18.35	-992.99	1,046.39	1,037.81	8.59	121.855	
700.00	697.47	870.47	865.45	3.78	4.11	-166.39	-19.11	-990.66	1,046.60	1,037.97	8.63	121.228	
800.00	796.02	969.99	963.52	3.97	4.35	-166.92	-24.35	-974.55	1,047.09	1,038.12	8.98	116.651	
900.00	894.57	1,069.51	1,061.59	4.18	4.60	-167.45	-29.58	-958.44	1,047.68	1,038.32	9.35	111.996	
1,000.00	993.12	1,169.03	1,159.66	4.41	4.87	-167.98	-34.82	-942.33	1,048.36	1,038.59	9.76	107.369	
1,100.00	1,091.67	1,268.55	1,257.72	4.67	5.16	-168.51	-40.05	-926.22	1,049.12	1,038.92	10.20	102.847	
1,200.00	1,190.22	1,368.07	1,355.79	4.94	5.46	-169.04	-45.29	-910.11	1,049.98	1,039.32	10.66	98.506	
1,300.00	1,288.77	1,467.59	1,453.86	5.22	5.77	-169.57	-50.52	-894.00	1,050.93	1,039.79	11.14	94.330	
1,400.00	1,387.32	1,567.11	1,551.93	5.52	6.08	-170.10	-55.76	-877.89	1,051.97	1,040.33	11.64	90.373	
1,500.00	1,485.87	1,666.63	1,650.00	5.82	6.41	-170.63	-60.99	-861.78	1,053.10	1,040.94	12.16	86.637	
1,600.00	1,584.42	1,766.15	1,748.06	6.14	6.74	-171.15	-66.23	-845.67	1,054.31	1,041.63	12.68	83.120	
1,700.00	1,682.97	1,865.67	1,846.13	6.46	6.97	-171.68	-71.46	-829.56	1,055.62	1,042.66	12.96	81.431	
1,800.00	1,781.52	1,965.19	1,944.20	6.79	7.06	-172.20	-76.70	-813.45	1,057.02	1,043.72	13.29	79.513	
1,900.00	1,880.07	2,064.71	2,042.27	6.96	7.11	-172.72	-81.93	-797.34	1,058.50	1,045.24	13.26	79.839	
2,000.00	1,978.62	2,164.23	2,140.34	7.00	7.18	-173.24	-87.17	-781.23	1,060.07	1,046.75	13.33	79.534	
2,100.00	2,077.17	2,263.75	2,238.40	7.06	7.26	-173.76	-92.40	-765.12	1,061.74	1,048.30	13.43	79.053	
2,200.00	2,175.71	2,363.27	2,336.47	7.13	7.36	-174.27	-97.64	-749.01	1,063.48	1,049.92	13.56	78.408	
2,300.00	2,274.26	2,462.79	2,434.54	7.21	7.47	-174.79	-102.88	-732.90	1,065.32	1,051.59	13.73	77.612	
2,400.00	2,372.81	2,562.31	2,532.61	7.31	7.59	-175.30	-108.11	-716.79	1,067.24	1,053.32	13.92	76.681	
2,500.00	2,471.36	2,661.83	2,630.68	7.43	7.73	-175.81	-113.35	-700.68	1,069.25	1,055.11	14.14	75.631	
2,600.00	2,569.91	2,761.35	2,728.74	7.55	7.88	-176.32	-118.58	-684.57	1,071.34	1,056.96	14.38	74.481	
2,700.00	2,668.46	2,860.87	2,826.81	7.69	8.04	-176.83	-123.82	-668.46	1,073.52	1,058.87	14.66	73.249	
2,800.00	2,767.01	2,960.39	2,924.88	7.84	8.21	-177.34	-129.05	-652.35	1,075.78	1,060.83	14.95	71.951	
2,900.00	2,865.56	3,059.92	3,022.95	8.01	8.40	-177.84	-134.29	-636.24	1,078.13	1,062.86	15.27	70.603	
3,000.00	2,964.11	3,159.44	3,121.02	8.18	8.59	-178.34	-139.52	-620.13	1,080.56	1,064.95	15.61	69.221	
3,100.00	3,062.66	3,258.96	3,219.08	8.36	8.79	-178.84	-144.76	-604.02	1,083.08	1,067.11	15.97	67.817	
3,200.00	3,161.21	3,358.48	3,317.15	8.55	9.00	-179.34	-149.99	-587.91	1,085.67	1,069.32	16.35	66.403	
3,300.00	3,259.76	3,458.00	3,415.22	8.76	9.22	-179.83	-155.23	-571.80	1,088.35	1,071.60	16.75	64.991	
3,400.00	3,358.31	3,557.52	3,513.29	8.96	9.44	179.68	-160.46	-555.69	1,091.11	1,073.95	17.16	63.587	
3,500.00	3,456.86	3,657.04	3,611.35	9.18	9.68	179.19	-165.70	-539.58	1,093.95	1,076.36	17.59	62.199	
3,600.00	3,555.41	3,756.56	3,709.42	9.40	9.92	178.70	-170.93	-523.47	1,096.87	1,078.84	18.03	60.834	
3,700.00	3,653.96	3,856.08	3,807.49	9.63	10.16	178.22	-176.17	-507.36	1,099.87	1,081.38	18.49	59.495	
3,800.00	3,752.51	3,955.60	3,905.56	9.87	10.41	177.74	-181.40	-491.25	1,102.95	1,083.99	18.96	58.187	
3,900.00	3,851.06	4,055.12	4,003.63	10.11	10.67	177.26	-186.64	-475.14	1,106.10	1,086.67	19.44	56.912	
4,000.00	3,949.61	4,154.64	4,101.69	10.36	10.93	176.78	-191.87	-459.03	1,109.33	1,089.41	19.93	55.672	
4,100.00	4,048.16	4,254.16	4,199.76	10.61	11.19	176.31	-197.11	-442.92	1,112.64	1,092.22	20.43	54.468	
4,200.00	4,146.71	4,353.68	4,297.83	10.87	11.46	175.84	-202.34	-426.81	1,116.03	1,095.09	20.94	53.302	
4,300.00	4,245.26	4,453.20	4,395.90	11.13	11.73	175.37	-207.58	-410.70	1,119.49	1,098.03	21.46	52.174	
4,400.00	4,343.81	4,552.72	4,493.97	11.39	12.01	174.91	-212.81	-394.59	1,123.03	1,101.04	21.98	51.083	
4,500.00	4,442.36	4,652.24	4,592.03	11.66	12.29	174.45	-218.05	-378.48	1,126.63	1,104.12	22.52	50.029	
4,600.00	4,540.91	4,751.76	4,690.10	11.94	12.57	173.99	-223.29	-362.37	1,130.32	1,107.26	23.06	49.013	
4,700.00	4,639.46	4,851.28	4,788.17	12.21	12.85	173.53	-228.52	-346.26	1,134.07	1,110.46	23.61	48.032	
4,800.00	4,738.01	4,950.80	4,886.24	12.49	13.14	173.08	-233.76	-330.15	1,137.90	1,113.73	24.17	47.087	
4,900.00	4,836.56	5,050.32	4,984.31	12.77	13.43	172.63	-238.99	-314.04	1,141.80	1,117.07	24.73	46.176	
5,000.00	4,935.11	5,149.84	5,082.37	13.05	13.73	172.18	-244.23	-297.93	1,145.76	1,120.47	25.29	45.298	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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
5,100.00	5,033.66	5,249.36	5,180.44	13.34	14.02	171.74	-249.46	-281.82	1,149.80	1,123.94	25.87	44.452	
5,200.00	5,132.21	5,348.88	5,278.51	13.63	14.32	171.30	-254.70	-265.71	1,153.91	1,127.47	26.44	43.637	
5,300.00	5,230.76	5,448.40	5,376.58	13.92	14.62	170.86	-259.93	-249.60	1,158.08	1,131.06	27.02	42.852	
5,400.00	5,329.30	5,547.92	5,474.65	14.21	14.92	170.43	-265.17	-233.49	1,162.33	1,134.71	27.61	42.096	
5,500.00	5,427.85	5,647.44	5,572.71	14.50	15.22	170.00	-270.40	-217.38	1,166.63	1,138.43	28.20	41.368	
5,600.00	5,526.40	5,746.96	5,670.78	14.80	15.53	169.57	-275.64	-201.27	1,171.01	1,142.21	28.80	40.666	
5,700.00	5,624.95	5,846.48	5,768.85	15.10	15.83	169.14	-280.87	-185.16	1,175.45	1,146.06	29.39	39.990	
5,800.00	5,723.50	5,946.00	5,866.92	15.40	16.14	168.72	-286.11	-169.05	1,179.95	1,149.96	29.99	39.339	
5,900.00	5,822.05	6,045.52	5,964.98	15.70	16.45	168.30	-291.34	-152.94	1,184.52	1,153.92	30.60	38.710	
6,000.00	5,920.60	6,145.04	6,063.05	16.00	16.76	167.89	-296.58	-136.83	1,189.15	1,157.94	31.21	38.105	
6,100.00	6,019.15	6,244.56	6,161.12	16.31	17.07	167.48	-301.81	-120.72	1,193.84	1,162.03	31.82	37.521	
6,200.00	6,117.70	6,344.08	6,259.19	16.61	17.38	167.07	-307.05	-104.61	1,198.60	1,166.17	32.43	36.957	
6,300.00	6,216.25	6,443.60	6,374.25	16.92	17.69	166.66	-312.29	-88.50	1,203.41	1,170.36	33.04	36.403	
6,400.00	6,314.80	6,543.12	6,473.80	17.22	18.00	166.25	-317.53	-72.39	1,208.22	1,174.11	33.65	35.849	
6,500.00	6,413.35	6,642.64	6,573.35	17.53	18.31	165.84	-322.77	-56.48	1,213.03	1,177.86	34.26	35.295	
6,600.00	6,512.28	6,742.16	6,672.28	17.84	18.62	165.43	-328.01	-40.57	1,217.84	1,181.61	34.87	34.741	
6,700.00	6,612.08	6,841.68	6,771.08	18.15	18.93	165.02	-333.25	-24.66	1,222.65	1,185.36	35.48	34.187	
6,800.00	6,710.50	6,941.20	6,870.50	18.46	19.24	164.61	-338.49	-8.75	1,227.46	1,189.11	36.09	33.633	
6,900.00	6,809.12	7,040.72	6,969.12	18.77	19.55	164.20	-343.73	7.16	1,232.27	1,192.86	36.70	33.079	
7,000.00	6,908.25	7,140.24	7,068.25	19.08	19.86	163.79	-348.97	21.25	1,237.08	1,196.61	37.31	32.525	
7,100.00	7,007.38	7,239.76	7,167.38	19.39	20.17	163.38	-354.21	35.34	1,241.89	1,200.36	37.92	31.971	
7,200.00	7,106.50	7,339.28	7,266.50	19.70	20.48	162.97	-359.45	49.43	1,246.70	1,204.11	38.53	31.417	
7,300.00	7,205.63	7,438.80	7,365.63	20.01	20.79	162.56	-364.69	63.52	1,251.51	1,207.86	39.14	30.863	
7,400.00	7,304.75	7,538.32	7,464.75	20.32	21.10	162.15	-369.93	77.61	1,256.32	1,211.61	39.75	30.309	
7,500.00	7,403.88	7,637.84	7,563.88	20.63	21.41	161.74	-375.17	91.70	1,261.13	1,215.36	40.36	29.755	
7,600.00	7,503.00	7,737.36	7,663.00	20.94	21.72	161.33	-380.41	105.79	1,265.94	1,219.11	40.97	29.201	
7,700.00	7,602.13	7,836.88	7,762.13	21.25	22.03	160.92	-385.65	119.88	1,270.75	1,222.86	41.58	28.647	
7,800.00	7,701.25	7,936.40	7,861.25	21.56	22.34	160.51	-390.89	133.97	1,275.56	1,226.61	42.19	28.093	
7,900.00	7,800.38	8,035.92	7,960.38	21.87	22.65	160.10	-396.13	148.06	1,280.37	1,230.36	42.80	27.539	
8,000.00	7,899.50	8,135.44	8,029.50	22.18	22.96	159.69	-401.37	162.15	1,285.18	1,234.11	43.41	26.985	
8,100.00	7,998.63	8,234.96	8,128.63	22.49	23.27	159.28	-406.61	176.24	1,289.99	1,237.86	44.02	26.431	
8,200.00	8,097.75	8,334.48	8,227.75	22.80	23.58	158.87	-411.85	190.33	1,294.80	1,241.61	44.63	25.877	
8,300.00	8,196.88	8,434.00	8,326.88	23.11	23.89	158.46	-417.09	204.42	1,299.61	1,245.36	45.24	25.323	
8,400.00	8,296.00	8,533.52	8,425.00	23.42	24.20	158.05	-422.33	218.51	1,304.42	1,249.11	45.85	24.769	
8,500.00	8,395.13	8,633.04	8,524.13	23.73	24.51	157.64	-427.57	232.60	1,309.23	1,252.86	46.46	24.215	
8,600.00	8,494.25	8,732.56	8,623.25	24.04	24.82	157.23	-432.81	246.69	1,314.04	1,256.61	47.07	23.661	
8,700.00	8,593.38	8,832.08	8,722.38	24.35	25.13	156.82	-438.05	260.78	1,318.85	1,260.36	47.68	23.107	
8,800.00	8,692.50	8,931.60	8,821.50	24.66	25.44	156.41	-443.29	274.87	1,323.66	1,264.11	48.29	22.553	
8,900.00	8,791.63	9,031.12	8,920.63	24.97	25.75	156.00	-448.53	288.96	1,328.47	1,267.86	48.90	21.999	
9,000.00	8,890.75	9,130.64	9,019.75	25.28	26.06	155.59	-453.77	303.05	1,333.28	1,271.61	49.51	21.445	
9,100.00	8,989.88	9,230.16	9,118.88	25.59	26.37	155.18	-459.01	317.14	1,338.09	1,275.36	50.12	20.891	
9,200.00	9,089.00	9,329.68	9,218.00	25.90	26.68	154.77	-464.25	331.23	1,342.90	1,279.11	50.73	20.337	
9,300.00	9,188.13	9,429.20	9,317.13	26.21	26.99	154.36	-469.49	345.32	1,347.71	1,282.86	51.34	19.783	
9,400.00	9,287.25	9,528.72	9,416.25	26.52	27.30	153.95	-474.73	359.41	1,352.52	1,286.61	51.95	19.229	
9,500.00	9,386.38	9,628.24	9,515.38	26.83	27.61	153.54	-479.97	373.50	1,357.33	1,290.36	52.56	18.675	
9,600.00	9,485.50	9,727.76	9,614.50	27.14	27.92	153.13	-485.21	387.59	1,362.14	1,294.11	53.17	18.121	
9,700.00	9,584.63	9,827.28	9,713.63	27.45	28.23	152.72	-490.45	401.68	1,366.95	1,297.86	53.78	17.567	
9,800.00	9,683.75	9,926.80	9,812.75	27.76	28.54	152.31	-495.69	415.77	1,371.76	1,301.61	54.39	17.013	
9,900.00	9,782.88	10,026.32	9,911.88	28.07	28.85	151.90	-500.93	429.86	1,376.57	1,305.36	55.00	16.459	
10,000.00	9,882.00	10,125.84	10,010.00	28.38	29.16	151.49	-506.17	443.95	1,381.38	1,309.11	55.61	15.905	
10,100.00	9,981.13	10,225.36	10,109.13	28.69	29.47	151.08	-511.41	458.04	1,386.19	1,312.86	56.22	15.351	
10,200.00	10,080.25	10,324.88	10,208.25	29.00	29.78	150.67	-516.65	472.13	1,391.00	1,316.61	56.83	14.797	
10,300.00	10,179.38	10,424.40	10,307.38	29.31	30.09	150.26	-521.89	486.22	1,395.81	1,320.36	57.44	14.243	
10,400.00	10,278.50	10,523.92	10,406.50	29.62	30.40	149.85	-527.13	500.31	1,400.62	1,324.11	58.05	13.689	
10,500.00	10,377.63	10,623.44	10,505.63	29.93	30.71	149.44	-532.37	514.40	1,405.43	1,327.86	58.66	13.135	
10,600.00	10,476.75	10,722.96	10,604.75	30.24	31.02	149.03	-537.61	528.49	1,410.24	1,331.61	59.27	12.581	
10,700.00	10,575.88	10,822.48	10,703.88	30.55	31.33	148.62	-542.85	542.58	1,415.05	1,335.36	59.88	12.027	
10,800.00	10,675.00	10,922.00	10,803.00	30.86	31.64	148.21	-548.09	556.67	1,419.86	1,339.11	60.49	11.473	
10,900.00	10,774.13	11,021.52	10,902.13	31.17	31.95	147.80	-553.33	570.76	1,424.67	1,342.86	61.10	10.919	
11,000.00	10,873.25	11,121.04	11,001.25	31.48	32.26	147.39	-558.57	584.85	1,429.48	1,346.61	61.71	10.365	
11,100.00	10,972.38	11,220.56	11,100.38	31.79	32.57	146.98	-563.81	598.94	1,434.29	1,350.36	62.32	9.811	
11,200.00	11,071.50	11,320.08	11,199.50	32.10	32.88	146.57	-569.05	613.03	1,439.10	1,354.11	62.93	9.257	
11,300.00	11,170.63	11,419.60	11,298.63	32.41	33.19	146.16	-574.29	627.12	1,443.91	1,357.86	63.54	8.703	
11,400.00	11,269.75	11,519.12	11,397.75	32.72	33.50	145.75	-579.53	641.21	1,448.72	1,361.61	64.15	8.149	
11,500.00	11,368.88	11,618.64	11,496.88	33.03	33.81	145.34	-584.77	655.30	1,453.53	1,365.36	64.76	7.595	
11,600.00													

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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	
10,200.00	7,111.39	6,755.07	6,664.18	50.76	18.68	-50.75	-328.67	-38.08	2,277.79	2,237.92	39.88	57.118	
10,300.00	7,108.21	6,755.07	6,664.18	52.32	18.68	-50.75	-328.67	-38.08	2,371.46	2,331.60	39.86	59.492	
10,400.00	7,105.03	6,755.07	6,664.18	53.88	18.68	-50.75	-328.67	-38.08	2,465.62	2,425.77	39.85	61.876	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	-89.81	3.67	-1,119.76	1,119.77				
100.00	100.00	101.00	101.00	3.28	3.28	-89.81	3.67	-1,119.76	1,119.77	1,112.24	7.53	148.728	
200.00	200.00	201.00	201.00	3.31	3.31	-89.81	3.67	-1,119.76	1,119.77	1,112.19	7.57	147.839	
300.00	299.98	300.98	300.98	3.35	3.35	-164.33	3.67	-1,119.76	1,121.45	1,113.79	7.66	146.346	
400.00	399.84	400.84	400.84	3.42	3.42	-164.37	3.67	-1,119.76	1,126.49	1,118.69	7.80	144.490	
500.00	499.45	500.45	500.45	3.51	3.50	-164.45	3.67	-1,119.76	1,134.89	1,126.91	7.97	142.327	
600.00	598.70	600.30	599.70	3.63	3.61	-164.55	3.67	-1,119.76	1,146.63	1,138.44	8.19	139.932	
700.00	697.47	701.53	698.47	3.78	3.74	-164.68	3.67	-1,119.76	1,161.71	1,153.25	8.46	137.284	
800.00	796.02	802.98	797.02	3.97	3.88	-164.90	3.67	-1,119.76	1,178.10	1,169.35	8.75	134.613	
900.00	894.57	904.43	895.57	4.18	4.03	-165.11	3.67	-1,119.76	1,194.51	1,185.43	9.07	131.639	
1,000.00	993.12	1,005.88	994.12	4.41	4.20	-165.32	3.67	-1,119.76	1,210.93	1,201.50	9.43	128.478	
1,100.00	1,091.67	1,092.67	1,092.67	4.67	4.35	-165.52	3.67	-1,119.76	1,227.37	1,217.59	9.78	125.560	
1,200.00	1,190.22	1,260.65	1,260.56	4.94	4.65	-165.83	4.14	-1,115.28	1,241.27	1,231.00	10.27	120.916	
1,300.00	1,288.77	1,436.49	1,435.71	5.22	4.99	-166.11	5.73	-1,100.13	1,249.16	1,238.38	10.78	115.903	
1,400.00	1,387.32	1,613.43	1,610.68	5.52	5.39	-166.35	8.46	-1,074.13	1,250.93	1,239.62	11.31	110.600	
1,500.00	1,485.87	1,764.46	1,758.57	5.82	5.78	-166.52	11.66	-1,043.66	1,246.90	1,235.06	11.83	105.369	
1,600.00	1,584.42	1,864.29	1,855.98	6.14	5.99	-166.64	13.94	-1,021.97	1,241.51	1,229.44	12.07	102.844	
1,700.00	1,682.97	1,964.12	1,953.39	6.46	6.07	-166.75	16.22	-1,000.28	1,236.12	1,223.74	12.38	99.834	
1,800.00	1,781.52	2,063.94	2,050.81	6.79	6.12	-166.86	18.50	-978.59	1,230.75	1,218.07	12.67	97.106	
1,900.00	1,880.07	2,163.77	2,148.22	6.96	6.20	-166.98	20.78	-956.90	1,225.37	1,212.72	12.65	96.877	
2,000.00	1,978.62	2,263.59	2,245.63	7.00	6.29	-167.09	23.06	-935.20	1,220.00	1,207.27	12.73	95.808	
2,100.00	2,077.17	2,363.42	2,343.05	7.06	6.41	-167.21	25.34	-913.51	1,214.64	1,201.79	12.85	94.510	
2,200.00	2,175.71	2,463.24	2,440.46	7.13	6.55	-167.33	27.62	-891.82	1,209.28	1,196.28	13.00	93.007	
2,300.00	2,274.26	2,563.07	2,537.88	7.21	6.70	-167.44	29.89	-870.13	1,203.93	1,190.75	13.18	91.323	
2,400.00	2,372.81	2,662.89	2,635.29	7.31	6.87	-167.56	32.17	-848.44	1,198.58	1,185.19	13.39	89.487	
2,500.00	2,471.36	2,762.72	2,732.70	7.43	7.06	-167.69	34.45	-826.75	1,193.24	1,179.61	13.63	87.527	
2,600.00	2,569.91	2,862.54	2,830.12	7.55	7.26	-167.81	36.73	-805.06	1,187.90	1,174.00	13.90	85.471	
2,700.00	2,668.46	2,962.37	2,927.53	7.69	7.48	-167.93	39.01	-783.37	1,182.57	1,168.38	14.19	83.345	
2,800.00	2,767.01	3,062.20	3,024.94	7.84	7.71	-168.05	41.29	-761.68	1,177.24	1,162.74	14.50	81.172	
2,900.00	2,865.56	3,162.02	3,122.36	8.01	7.95	-168.18	43.57	-739.99	1,171.92	1,157.08	14.84	78.974	
3,000.00	2,964.11	3,261.85	3,219.77	8.18	8.19	-168.31	45.85	-718.30	1,166.61	1,151.41	15.20	76.770	
3,100.00	3,062.66	3,361.67	3,317.19	8.36	8.45	-168.43	48.12	-696.60	1,161.30	1,145.72	15.57	74.574	
3,200.00	3,161.21	3,461.50	3,414.60	8.55	8.72	-168.56	50.40	-674.91	1,155.99	1,140.03	15.96	72.418	
3,300.00	3,259.76	3,561.32	3,512.01	8.76	9.00	-168.69	52.68	-653.22	1,150.70	1,134.32	16.37	70.274	
3,400.00	3,358.31	3,661.15	3,609.43	8.96	9.28	-168.82	54.96	-631.53	1,145.40	1,128.60	16.80	68.179	
3,500.00	3,456.86	3,760.97	3,706.84	9.18	9.57	-168.95	57.24	-609.84	1,140.12	1,122.88	17.24	66.135	
3,600.00	3,555.41	3,860.80	3,804.25	9.40	9.86	-169.09	59.52	-588.15	1,134.84	1,117.15	17.69	64.146	
3,700.00	3,653.96	3,960.62	3,901.67	9.63	10.16	-169.22	61.80	-566.46	1,129.56	1,111.41	18.16	62.215	
3,800.00	3,752.51	4,060.45	3,999.08	9.87	10.47	-169.36	64.08	-544.77	1,124.30	1,105.67	18.63	60.345	
3,900.00	3,851.06	4,160.27	4,096.50	10.11	10.78	-169.50	66.36	-523.08	1,119.04	1,099.92	19.12	58.537	
4,000.00	3,949.61	4,260.10	4,193.91	10.36	11.09	-169.63	68.63	-501.39	1,113.78	1,094.17	19.61	56.791	
4,100.00	4,048.16	4,359.93	4,291.32	10.61	11.41	-169.77	70.91	-479.70	1,108.53	1,088.42	20.12	55.107	
4,200.00	4,146.71	4,459.75	4,388.74	10.87	11.73	-169.92	73.19	-458.00	1,103.29	1,082.66	20.63	53.485	
4,300.00	4,245.26	4,559.58	4,486.15	11.13	12.05	-170.06	75.47	-436.31	1,098.06	1,076.91	21.15	51.923	
4,400.00	4,343.81	4,659.40	4,583.56	11.39	12.38	-170.20	77.75	-414.62	1,092.83	1,071.15	21.67	50.420	
4,500.00	4,442.36	4,759.23	4,680.98	11.66	12.71	-170.35	80.03	-392.93	1,087.61	1,065.40	22.21	48.974	
4,600.00	4,540.91	4,859.05	4,778.39	11.94	13.04	-170.49	82.31	-371.24	1,082.39	1,059.65	22.75	47.583	
4,700.00	4,639.46	4,958.88	4,875.80	12.21	13.37	-170.64	84.59	-349.55	1,077.19	1,053.90	23.29	46.246	
4,800.00	4,738.01	5,058.70	4,973.22	12.49	13.71	-170.79	86.86	-327.86	1,071.99	1,048.15	23.84	44.960	
4,900.00	4,836.56	5,158.53	5,070.63	12.77	14.05	-170.94	89.14	-306.17	1,066.80	1,042.40	24.40	43.724	
5,000.00	4,935.11	5,258.35	5,168.05	13.05	14.39	-171.09	91.42	-284.48	1,061.61	1,036.65	24.96	42.535	
5,100.00	5,033.66	5,358.18	5,265.46	13.34	14.73	-171.25	93.70	-262.79	1,056.43	1,030.91	25.52	41.392	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,200.00	5,132.21	5,458.01	5,362.87	13.63	15.07	-171.40	95.98	-241.10	1,051.27	1,025.17	26.09	40.292		
5,300.00	5,230.76	5,557.83	5,460.29	13.92	15.42	-171.56	98.26	-219.41	1,046.10	1,019.44	26.66	39.234		
5,400.00	5,329.30	5,657.66	5,557.70	14.21	15.77	-171.72	100.54	-197.71	1,040.95	1,013.71	27.24	38.215		
5,500.00	5,427.85	5,757.48	5,655.11	14.50	16.11	-171.88	102.82	-176.02	1,035.80	1,007.99	27.82	37.234		
5,600.00	5,526.40	5,857.31	5,752.53	14.80	16.46	-172.04	105.09	-154.33	1,030.67	1,002.27	28.40	36.290		
5,700.00	5,624.95	5,957.13	5,849.94	15.10	16.81	-172.20	107.37	-132.64	1,025.54	996.55	28.99	35.380		
5,800.00	5,723.50	6,056.96	5,947.36	15.40	17.16	-172.37	109.65	-110.95	1,020.42	990.84	29.57	34.503		
5,900.00	5,822.05	6,156.78	6,044.77	15.70	17.52	-172.54	111.93	-89.26	1,015.31	985.14	30.17	33.657		
6,000.00	5,920.60	6,256.61	6,142.18	16.00	17.87	-172.70	114.21	-67.57	1,010.20	979.44	30.76	32.842		
6,100.00	6,019.15	6,356.44	6,239.73	16.31	18.22	-172.86	116.49	-45.86	1,005.09	973.73	31.35	32.034		
6,200.00	6,117.70	6,456.27	6,337.86	16.61	18.57	-173.02	118.77	-24.15	1,000.00	968.00	31.94	31.230		
6,300.00	6,216.25	6,556.10	6,435.99	16.92	18.92	-173.18	121.05	-2.44	994.91	962.27	32.53	30.430		
6,400.00	6,314.80	6,655.93	6,534.18	17.22	19.27	-173.34	123.33	19.27	989.82	956.54	33.12	29.630		
6,500.00	6,413.35	6,755.76	6,632.37	17.53	19.62	-173.50	125.61	47.56	984.73	950.81	33.71	28.830		
6,600.00	6,512.28	6,855.59	6,730.56	17.83	19.97	-173.66	127.89	75.85	979.64	945.08	34.30	28.030		
6,700.00	6,612.08	6,955.42	6,828.75	18.14	20.32	-173.82	130.17	104.14	974.55	939.35	34.89	27.230		
6,800.00	6,710.50	7,055.25	6,926.94	18.44	20.67	-173.98	132.45	132.43	969.46	933.62	35.48	26.430		
6,900.00	6,809.12	7,155.08	7,025.13	18.75	21.02	-174.14	134.73	160.72	964.37	927.89	36.07	25.630		
7,000.00	6,907.67	7,254.91	7,123.32	19.05	21.37	-174.30	137.01	189.01	959.28	922.16	36.66	24.830		
7,100.00	7,006.22	7,354.74	7,221.51	19.36	21.72	-174.46	139.29	217.30	954.19	916.43	37.25	24.030		
7,115.70	6,985.52	7,383.40	7,200.00	18.03	29.09	-92.73	129.18	837.26	170.16	122.45	47.71	3.567 CC, ES		
7,200.00	7,043.73	7,622.25	7,518.50	18.03	28.31	-77.60	129.61	776.11	179.65	134.23	45.42	3.955		
7,300.00	7,101.64	7,721.08	7,617.35	18.07	27.30	-61.67	130.18	694.44	205.22	163.77	41.45	4.951		
7,400.00	7,146.13	7,819.91	7,712.22	18.19	26.29	-50.98	130.75	610.93	232.79	194.26	38.53	6.042		
7,500.00	7,176.09	7,918.74	7,807.37	18.41	25.43	-44.13	131.08	539.18	260.11	223.22	36.90	7.050		
7,600.00	7,190.80	8,017.57	7,906.00	18.73	24.62	-39.03	131.20	470.42	286.36	250.31	36.05	7.943		
7,700.00	7,190.87	8,116.40	7,905.07	19.15	23.85	-35.61	131.13	405.17	310.96	275.20	35.76	8.697		
7,800.00	7,187.69	8,215.23	7,902.10	19.71	23.17	-33.05	130.88	346.32	342.44	306.72	35.72	9.588		
7,900.00	7,184.51	8,314.06	7,899.27	20.39	22.57	-30.56	130.52	295.03	382.95	347.10	35.85	10.683		
8,000.00	7,181.33	8,412.89	7,896.10	21.17	22.07	-28.30	130.07	251.17	431.67	395.58	36.10	11.959		
8,100.00	7,178.15	8,511.72	7,893.00	22.06	21.64	-26.34	129.58	214.14	487.62	451.22	36.40	13.397		
8,200.00	7,174.98	8,610.55	7,889.83	23.03	21.29	-24.68	129.07	183.09	549.75	513.05	36.70	14.978		
8,300.00	7,171.80	8,709.38	7,886.66	24.08	21.05	-23.56	128.68	162.51	617.20	580.15	37.05	16.659		
8,400.00	7,168.62	8,808.21	7,883.49	25.19	20.67	-21.81	127.94	130.25	688.94	651.76	37.18	18.529		
8,500.00	7,165.44	8,907.04	7,880.32	26.36	20.53	-21.11	127.61	117.36	764.23	726.78	37.45	20.409		
8,600.00	7,162.26	9,005.87	7,877.15	27.59	20.33	-20.21	127.13	101.09	842.70	805.08	37.61	22.404		
8,700.00	7,159.08	9,104.70	7,874.00	28.86	20.19	-19.56	126.75	89.32	923.73	885.97	37.76	24.460		
8,800.00	7,155.90	9,203.53	7,870.83	30.16	20.02	-18.77	126.25	75.21	1,007.01	969.13	37.88	26.585		
8,900.00	7,152.72	9,302.36	7,867.66	31.50	20.02	-18.77	126.25	75.21	1,092.22	1,054.24	37.97	28.763		
9,000.00	7,149.54	9,401.19	7,864.49	32.88	19.85	-17.97	125.68	61.28	1,178.66	1,140.60	38.06	30.968		
9,100.00	7,146.36	9,500.02	7,861.32	34.28	19.74	-17.47	125.29	52.76	1,266.67	1,228.54	38.13	33.219		
9,200.00	7,143.18	9,598.85	7,858.15	35.70	19.74	-17.47	125.29	52.76	1,355.93	1,317.78	38.16	35.534		
9,300.00	7,140.00	9,697.68	7,854.98	37.14	19.62	-16.91	124.81	43.47	1,445.98	1,407.76	38.23	37.825		
9,400.00	7,136.82	9,796.51	7,851.81	38.60	19.49	-16.30	124.26	33.88	1,537.27	1,498.96	38.31	40.131		
9,500.00	7,133.64	9,895.34	7,848.64	40.08	19.49	-16.30	124.26	33.88	1,628.87	1,590.56	38.31	42.515		
9,600.00	7,130.46	9,994.17	7,845.47	41.57	19.49	-16.30	124.26	33.88	1,721.41	1,683.10	38.31	44.930		
9,700.00	7,127.28	10,093.00	7,842.30	43.08	19.49	-16.30	124.26	33.88	1,814.74	1,776.43	38.31	47.370		
9,800.00	7,124.10	10,191.83	7,839.13	44.59	19.39	-15.78	123.73	25.90	1,908.11	1,869.71	38.39	49.700		
9,900.00	7,120.92	10,290.66	7,835.96	46.12	19.28	-15.27	123.18	18.70	2,002.52	1,964.04	38.48	52.040		
10,000.00	7,117.74	10,389.49	7,832.79	47.66	19.28	-15.27	123.18	18.70	2,096.85	2,058.37	38.48	54.493		
10,100.00	7,114.57	10,488.32	7,829.62	49.20	19.28	-15.27	123.18	18.70	2,191.68	2,153.21	38.48	56.959		
10,200.00	7,111.39	10,587.15	7,826.45	50.76	19.28	-15.27	123.18	18.70	2,286.95	2,248.48	38.48	59.435		



Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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						
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	7,108.21	6,650.00	6,525.88	52.32	19.28	-15.27	123.18	18.70	2,382.61	2,344.13	38.48	61.917	
10,400.00	7,105.03	6,634.16	6,510.56	53.88	19.22	-14.96	122.83	14.67	2,478.37	2,439.82	38.55	64.293	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	2.00	2.00	3.28	3.28	-89.80	4.03	-1,159.58	1,159.58				
100.00	100.00	102.00	102.00	3.28	3.28	-89.80	4.03	-1,159.58	1,159.58	1,152.05	7.53	154.014	
200.00	200.00	203.23	203.23	3.31	3.31	-89.80	4.04	-1,159.57	1,159.58	1,152.01	7.57	153.081	
300.00	299.98	364.86	364.77	3.35	3.39	-164.27	5.60	-1,155.10	1,158.50	1,150.80	7.69	150.599	
400.00	399.84	526.20	525.49	3.42	3.54	-164.17	10.17	-1,142.07	1,155.46	1,147.59	7.87	146.847	
500.00	499.45	686.98	684.64	3.51	3.76	-164.00	17.70	-1,120.61	1,150.49	1,142.38	8.11	141.892	
600.00	598.70	825.76	820.84	3.63	4.03	-163.81	26.49	-1,095.54	1,143.95	1,135.55	8.40	136.199	
700.00	697.47	925.63	918.60	3.78	4.27	-163.70	33.26	-1,076.25	1,139.64	1,130.93	8.71	130.828	
800.00	796.02	1,025.56	1,016.41	3.97	4.54	-163.59	40.03	-1,056.95	1,136.66	1,127.59	9.07	125.351	
900.00	894.57	1,125.49	1,114.22	4.18	4.82	-163.47	46.80	-1,037.65	1,133.67	1,124.21	9.46	119.843	
1,000.00	993.12	1,225.42	1,212.04	4.41	5.13	-163.35	53.57	-1,018.35	1,130.69	1,120.81	9.88	114.417	
1,100.00	1,091.67	1,325.35	1,309.85	4.67	5.45	-163.24	60.33	-999.05	1,127.72	1,117.39	10.33	109.151	
1,200.00	1,190.22	1,425.27	1,407.67	4.94	5.79	-163.12	67.10	-979.75	1,124.75	1,113.95	10.80	104.127	
1,300.00	1,288.77	1,525.20	1,505.48	5.22	6.13	-163.00	73.87	-960.45	1,121.78	1,110.49	11.29	99.328	
1,400.00	1,387.32	1,625.13	1,603.29	5.52	6.49	-162.88	80.64	-941.16	1,118.82	1,107.02	11.80	94.793	
1,500.00	1,485.87	1,725.06	1,701.11	5.82	6.85	-162.76	87.41	-921.86	1,115.87	1,103.54	12.33	90.523	
1,600.00	1,584.42	1,824.99	1,798.92	6.14	7.18	-162.64	94.18	-902.56	1,112.92	1,100.09	12.83	86.748	
1,700.00	1,682.97	1,924.92	1,896.73	6.46	7.34	-162.52	100.95	-883.26	1,109.97	1,096.94	13.03	85.163	
1,800.00	1,781.52	2,024.85	1,994.55	6.79	7.39	-162.39	107.72	-863.96	1,107.03	1,093.71	13.32	83.085	
1,900.00	1,880.07	2,124.78	2,092.36	6.96	7.46	-162.27	114.49	-844.66	1,104.10	1,090.80	13.30	83.044	
2,000.00	1,978.62	2,224.71	2,190.17	7.00	7.55	-162.15	121.25	-825.36	1,101.17	1,087.79	13.37	82.340	
2,100.00	2,077.17	2,324.63	2,287.99	7.06	7.65	-162.02	128.02	-806.06	1,098.24	1,084.76	13.48	81.454	
2,200.00	2,175.71	2,424.56	2,385.80	7.13	7.77	-161.90	134.79	-786.76	1,095.32	1,081.70	13.62	80.404	
2,300.00	2,274.26	2,524.49	2,483.61	7.21	7.90	-161.77	141.56	-767.46	1,092.41	1,078.62	13.79	79.205	
2,400.00	2,372.81	2,624.42	2,581.43	7.31	8.05	-161.65	148.33	-748.16	1,089.50	1,075.51	13.99	77.877	
2,500.00	2,471.36	2,724.35	2,679.24	7.43	8.21	-161.52	155.10	-728.86	1,086.59	1,072.38	14.21	76.440	
2,600.00	2,569.91	2,824.28	2,777.05	7.55	8.38	-161.39	161.87	-709.56	1,083.70	1,069.23	14.47	74.914	
2,700.00	2,668.46	2,924.21	2,874.87	7.69	8.56	-161.27	168.64	-690.26	1,080.80	1,066.06	14.74	73.318	
2,800.00	2,767.01	3,024.14	2,972.68	7.84	8.76	-161.14	175.41	-670.96	1,077.91	1,062.87	15.04	71.670	
2,900.00	2,865.56	3,124.07	3,070.50	8.01	8.97	-161.01	182.17	-651.66	1,075.03	1,059.67	15.36	69.987	
3,000.00	2,964.11	3,223.99	3,168.31	8.18	9.18	-160.88	188.94	-632.36	1,072.15	1,056.45	15.70	68.284	
3,100.00	3,062.66	3,323.92	3,266.12	8.36	9.40	-160.75	195.71	-613.06	1,069.28	1,053.22	16.06	66.575	
3,200.00	3,161.21	3,423.85	3,363.94	8.55	9.64	-160.62	202.48	-593.76	1,066.42	1,049.98	16.44	64.871	
3,300.00	3,259.76	3,523.78	3,461.75	8.76	9.88	-160.48	209.25	-574.46	1,063.56	1,046.72	16.83	63.181	
3,400.00	3,358.31	3,623.71	3,559.56	8.96	10.12	-160.35	216.02	-555.17	1,060.70	1,043.46	17.24	61.513	
3,500.00	3,456.86	3,723.64	3,657.38	9.18	10.38	-160.22	222.79	-535.87	1,057.85	1,040.19	17.67	59.875	
3,600.00	3,555.41	3,823.57	3,755.19	9.40	10.64	-160.08	229.56	-516.57	1,055.01	1,036.91	18.11	58.271	
3,700.00	3,653.96	3,923.50	3,853.00	9.63	10.90	-159.95	236.33	-497.27	1,052.17	1,033.62	18.56	56.705	
3,800.00	3,752.51	4,023.43	3,950.82	9.87	11.17	-159.81	243.10	-477.97	1,049.34	1,030.33	19.02	55.180	
3,900.00	3,851.06	4,123.35	4,048.63	10.11	11.45	-159.68	249.86	-458.67	1,046.52	1,027.03	19.49	53.698	
4,000.00	3,949.61	4,223.28	4,146.44	10.36	11.73	-159.54	256.63	-439.37	1,043.70	1,023.73	19.97	52.261	
4,100.00	4,048.16	4,323.21	4,244.26	10.61	12.02	-159.40	263.40	-420.07	1,040.89	1,020.42	20.46	50.869	
4,200.00	4,146.71	4,423.14	4,342.07	10.87	12.30	-159.26	270.17	-400.77	1,038.08	1,017.12	20.96	49.522	
4,300.00	4,245.26	4,523.07	4,439.89	11.13	12.60	-159.12	276.94	-381.47	1,035.28	1,013.81	21.47	48.220	
4,400.00	4,343.81	4,623.00	4,537.70	11.39	12.89	-158.98	283.71	-362.17	1,032.48	1,010.50	21.98	46.963	
4,500.00	4,442.36	4,722.93	4,635.51	11.66	13.19	-158.84	290.48	-342.87	1,029.69	1,007.19	22.51	45.750	
4,600.00	4,540.91	4,822.86	4,733.33	11.94	13.50	-158.70	297.25	-323.57	1,026.91	1,003.88	23.04	44.579	
4,700.00	4,639.46	4,922.79	4,831.14	12.21	13.80	-158.56	304.02	-304.27	1,024.14	1,000.57	23.57	43.451	
4,800.00	4,738.01	5,022.71	4,928.95	12.49	14.11	-158.41	310.78	-284.97	1,021.37	997.26	24.11	42.362	
4,900.00	4,836.56	5,122.64	5,026.77	12.77	14.42	-158.27	317.55	-265.67	1,018.60	993.95	24.66	41.313	
5,000.00	4,935.11	5,222.57	5,124.58	13.05	14.73	-158.12	324.32	-246.37	1,015.85	990.64	25.21	40.302	
5,100.00	5,033.66	5,322.50	5,222.39	13.34	15.05	-157.98	331.09	-227.07	1,013.10	987.33	25.76	39.327	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	5,132.21	5,422.43	5,320.21	13.63	15.36	-157.83	337.86	-207.77	1,010.35	984.03	26.32	38.387		
5,300.00	5,230.76	5,522.36	5,418.02	13.92	15.68	-157.68	344.63	-188.47	1,007.61	980.73	26.88	37.481		
5,400.00	5,329.30	5,622.29	5,515.83	14.21	16.00	-157.54	351.40	-169.17	1,004.88	977.43	27.45	36.607		
5,500.00	5,427.85	5,722.22	5,613.65	14.50	16.33	-157.39	358.17	-149.88	1,002.16	974.14	28.02	35.764		
5,600.00	5,526.40	5,822.15	5,711.46	14.80	16.65	-157.24	364.94	-130.58	999.44	970.85	28.60	34.951		
5,700.00	5,624.95	5,922.07	5,809.28	15.10	16.98	-157.09	371.70	-111.28	996.73	967.56	29.17	34.166		
5,800.00	5,723.50	6,022.00	5,907.09	15.40	17.30	-156.94	378.47	-91.98	994.03	964.28	29.75	33.409		
5,900.00	5,822.05	6,121.93	6,004.90	15.70	17.63	-156.78	385.24	-72.68	991.33	961.00	30.34	32.677		
6,000.00	5,920.60	6,221.86	6,102.72	16.00	17.96	-156.63	392.01	-53.38	988.65	957.72	30.92	31.971		
6,100.00	6,019.15	6,321.79	6,200.53	16.31	18.29	-156.48	398.78	-34.08	985.96	954.45	31.51	31.289		
6,200.00	6,117.70	6,421.72	6,298.34	16.61	18.62	-156.32	405.55	-14.78	983.29	951.19	32.10	30.629		
6,300.00	6,216.25	7,911.23	7,127.78	16.92	30.33	-117.02	466.82	960.62	931.54	902.03	29.51	31.568		
6,400.00	6,314.80	7,927.18	7,127.72	17.22	30.54	-113.80	466.90	976.57	834.45	804.43	30.02	27.797		
6,500.00	6,413.35	7,943.13	7,127.65	17.53	30.74	-110.25	466.97	992.52	737.81	707.20	30.61	24.103		
6,600.00	6,512.28	7,958.22	7,127.59	17.79	30.91	-71.09	467.03	1,005.61	641.43	610.12	31.31	20.486		
6,700.00	6,612.08	7,954.86	7,127.60	17.94	30.90	79.68	467.02	1,004.26	545.28	513.16	32.12	16.977		
6,800.00	6,710.50	7,937.90	7,127.67	18.03	30.68	112.66	466.94	987.29	452.12	418.98	33.13	13.645		
6,900.00	6,805.12	7,905.74	7,127.81	18.06	30.26	122.51	466.80	955.13	365.25	330.70	34.55	10.571		
7,000.00	6,893.62	7,859.18	7,128.01	18.06	29.67	123.84	466.59	908.58	288.51	251.84	36.66	7.869		
7,100.00	6,973.81	7,800.63	7,128.26	18.03	28.94	119.46	466.32	848.77	226.51	186.83	39.68	5.709		
7,200.00	7,043.73	7,727.78	7,128.57	18.03	28.05	110.06	466.00	777.18	184.24	141.19	43.05	4.280		
7,300.00	7,101.64	7,646.17	7,128.92	18.07	27.09	96.93	465.64	695.57	164.13	119.08	45.05	3.643		
7,366.80	7,132.92	7,586.80	7,127.98	18.15	26.40	87.27	465.29	636.22	160.99	115.91	45.07	3.572 CC, ES, SF		
7,400.00	7,146.13	7,557.66	7,125.66	18.19	26.07	82.41	464.99	607.18	161.73	117.00	44.73	3.616		
7,500.00	7,176.09	7,473.27	7,111.51	18.41	25.13	68.54	463.63	524.05	172.03	129.16	42.87	4.013		
7,600.00	7,190.80	7,393.02	7,087.99	18.73	24.26	56.80	461.66	447.41	191.27	150.43	40.83	4.684		
7,700.00	7,190.87	7,316.36	7,056.72	19.15	23.49	48.07	459.19	377.52	215.82	176.42	39.40	5.478		
7,800.00	7,187.69	7,246.85	7,021.30	19.71	22.83	41.45	456.49	317.81	250.32	211.86	38.46	6.509		
7,900.00	7,184.51	7,185.68	6,984.91	20.39	22.30	35.88	453.77	268.74	296.06	258.10	37.97	7.798		
8,000.00	7,181.33	7,132.35	6,949.49	21.17	21.86	31.43	451.16	228.98	351.51	313.71	37.80	9.300		
8,100.00	7,178.15	7,086.07	6,916.14	22.06	21.51	27.96	448.73	197.00	414.85	377.04	37.80	10.974		
8,200.00	7,174.98	7,050.00	6,888.60	23.03	21.26	25.52	446.74	173.80	484.47	446.56	37.91	12.779		
8,300.00	7,171.80	7,011.05	6,857.43	24.08	21.00	23.14	444.50	150.55	558.98	521.01	37.98	14.719		
8,400.00	7,168.62	6,980.63	6,832.14	25.19	20.81	21.45	442.70	133.75	637.44	599.37	38.06	16.746		
8,500.00	7,165.44	6,950.00	6,805.90	26.36	20.63	19.89	440.83	118.08	719.05	680.92	38.13	18.858		
8,600.00	7,162.26	6,930.52	6,788.83	27.59	20.52	18.96	439.62	108.77	803.15	764.95	38.20	21.026		
8,700.00	7,159.08	6,900.00	6,761.53	28.86	20.36	17.62	437.69	95.26	889.46	851.22	38.24	23.257		
8,800.00	7,155.90	6,900.00	6,761.53	30.16	20.36	17.62	437.69	95.26	977.32	939.06	38.27	25.541		
8,900.00	7,152.72	6,874.81	6,738.53	31.50	20.23	16.60	436.07	85.11	1,066.53	1,028.23	38.30	27.845		
9,000.00	7,149.54	6,850.00	6,715.51	32.88	20.11	15.66	434.46	76.01	1,157.15	1,118.81	38.34	30.181		
9,100.00	7,146.36	6,850.00	6,715.51	34.28	20.11	15.66	434.46	76.01	1,248.54	1,210.22	38.32	32.578		
9,200.00	7,143.18	6,834.54	6,700.99	35.70	20.05	15.11	433.44	70.79	1,340.89	1,302.54	38.35	34.969		
9,300.00	7,140.00	6,823.54	6,690.59	37.14	20.00	14.73	432.72	67.30	1,433.99	1,395.63	38.35	37.387		
9,400.00	7,136.82	6,800.00	6,668.13	38.60	19.90	13.97	431.15	60.43	1,527.93	1,489.52	38.40	39.785		
9,500.00	7,133.64	6,800.00	6,668.13	40.08	19.90	13.97	431.15	60.43	1,622.04	1,583.65	38.38	42.259		
9,600.00	7,130.46	6,800.00	6,668.13	41.57	19.90	13.97	431.15	60.43	1,716.81	1,678.45	38.36	44.753		
9,700.00	7,127.28	6,800.00	6,668.13	43.08	19.90	13.97	431.15	60.43	1,812.15	1,773.81	38.34	47.262		
9,800.00	7,124.10	6,780.85	6,649.68	44.59	19.83	13.38	429.87	55.46	1,907.59	1,869.19	38.40	49.681		
9,900.00	7,120.92	6,774.17	6,643.21	46.12	19.81	13.19	429.42	53.86	2,003.51	1,965.10	38.41	52.164		
10,000.00	7,117.74	6,750.00	6,619.67	47.66	19.72	12.51	427.79	48.63	2,100.05	2,061.57	38.49	54.565		
10,100.00	7,114.57	6,750.00	6,619.67	49.20	19.72	12.51	427.79	48.63	2,196.36	2,157.88	38.48	57.078		
10,200.00	7,111.39	6,750.00	6,619.67	50.76	19.72	12.51	427.79	48.63	2,292.98	2,254.51	38.48	59.596		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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
10,300.00	7,108.21	6,750.00	6,619.67	52.32	19.72	12.51	427.79	48.63	2,389.88	2,351.41	38.47	62.117	
10,400.00	7,105.03	6,746.99	6,616.73	53.88	19.71	12.42	427.58	48.04	2,487.02	2,448.53	38.49	64.620	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							
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	-89.82	3.67	-1,139.81	1,139.81				
100.00	100.00	102.00	102.00	3.28	3.28	-89.82	3.67	-1,139.81	1,139.81	1,132.29	7.53	151.388	
200.00	200.00	202.00	202.00	3.31	3.31	-89.82	3.67	-1,139.81	1,139.81	1,132.24	7.57	150.479	
300.00	299.98	329.53	329.51	3.35	3.37	-164.24	5.81	-1,138.97	1,140.99	1,133.32	7.68	148.656	
400.00	399.84	495.48	495.14	3.42	3.49	-164.15	9.82	-1,130.15	1,140.73	1,132.88	7.85	145.407	
500.00	499.45	661.22	659.78	3.51	3.69	-164.13	14.40	-1,111.81	1,138.05	1,129.97	8.08	140.903	
600.00	598.70	814.43	810.80	3.63	3.96	-164.16	19.13	-1,086.48	1,133.06	1,124.70	8.36	135.502	
700.00	697.47	914.36	908.93	3.78	4.18	-164.23	22.34	-1,067.93	1,129.49	1,120.83	8.66	130.397	
800.00	796.02	1,014.33	1,007.11	3.97	4.42	-164.30	25.54	-1,049.37	1,127.24	1,118.24	9.00	125.182	
900.00	894.57	1,114.29	1,105.29	4.18	4.69	-164.36	28.75	-1,030.81	1,124.99	1,115.61	9.38	119.914	
1,000.00	993.12	1,214.26	1,203.46	4.41	4.98	-164.43	31.95	-1,012.25	1,122.75	1,112.96	9.79	114.704	
1,100.00	1,091.67	1,314.23	1,301.64	4.67	5.28	-164.50	35.16	-993.69	1,120.50	1,110.28	10.22	109.618	
1,200.00	1,190.22	1,414.19	1,399.81	4.94	5.59	-164.56	38.36	-975.13	1,118.26	1,107.58	10.67	104.766	
1,300.00	1,288.77	1,514.16	1,497.99	5.22	5.92	-164.63	41.57	-956.57	1,116.01	1,104.87	11.15	100.109	
1,400.00	1,387.32	1,614.12	1,596.16	5.52	6.25	-164.70	44.77	-938.01	1,113.77	1,102.13	11.64	95.698	
1,500.00	1,485.87	1,714.09	1,694.34	5.82	6.59	-164.77	47.98	-919.45	1,111.53	1,099.39	12.14	91.534	
1,600.00	1,584.42	1,814.06	1,792.52	6.14	6.92	-164.84	51.18	-900.89	1,109.29	1,096.65	12.64	87.746	
1,700.00	1,682.97	1,914.02	1,890.69	6.46	7.09	-164.91	54.39	-882.33	1,107.06	1,094.21	12.85	86.170	
1,800.00	1,781.52	2,013.99	1,988.87	6.79	7.13	-164.98	57.59	-863.77	1,104.82	1,091.69	13.13	84.155	
1,900.00	1,880.07	2,113.95	2,087.04	6.96	7.20	-165.05	60.80	-845.21	1,102.59	1,089.50	13.09	84.232	
2,000.00	1,978.62	2,213.92	2,185.22	7.00	7.27	-165.12	64.00	-826.65	1,100.36	1,087.20	13.16	83.626	
2,100.00	2,077.17	2,313.89	2,283.39	7.06	7.37	-165.19	67.21	-808.09	1,098.13	1,084.87	13.26	82.834	
2,200.00	2,175.71	2,413.85	2,381.57	7.13	7.48	-165.26	70.41	-789.53	1,095.90	1,082.51	13.39	81.870	
2,300.00	2,274.26	2,513.82	2,479.75	7.21	7.60	-165.33	73.62	-770.97	1,093.67	1,080.13	13.54	80.749	
2,400.00	2,372.81	2,613.79	2,577.92	7.31	7.74	-165.40	76.82	-752.41	1,091.45	1,077.72	13.73	79.491	
2,500.00	2,471.36	2,713.75	2,676.10	7.43	7.89	-165.47	80.03	-733.85	1,089.23	1,075.28	13.94	78.116	
2,600.00	2,569.91	2,813.72	2,774.27	7.55	8.06	-165.54	83.23	-715.29	1,087.00	1,072.82	14.18	76.642	
2,700.00	2,668.46	2,913.68	2,872.45	7.69	8.23	-165.61	86.44	-696.73	1,084.78	1,070.34	14.45	75.091	
2,800.00	2,767.01	3,013.65	2,970.62	7.84	8.42	-165.68	89.64	-678.17	1,082.57	1,067.83	14.73	73.480	
2,900.00	2,865.56	3,113.62	3,068.80	8.01	8.62	-165.76	92.85	-659.61	1,080.35	1,065.31	15.04	71.828	
3,000.00	2,964.11	3,213.58	3,166.98	8.18	8.82	-165.83	96.05	-641.05	1,078.13	1,062.76	15.37	70.148	
3,100.00	3,062.66	3,313.55	3,265.15	8.36	9.04	-165.90	99.26	-622.49	1,075.92	1,060.20	15.72	68.456	
3,200.00	3,161.21	3,413.51	3,363.33	8.55	9.26	-165.98	102.46	-603.93	1,073.71	1,057.63	16.08	66.764	
3,300.00	3,259.76	3,513.48	3,461.50	8.76	9.50	-166.05	105.67	-585.37	1,071.50	1,055.04	16.46	65.081	
3,400.00	3,358.31	3,613.45	3,559.68	8.96	9.73	-166.12	108.87	-566.81	1,069.29	1,052.43	16.86	63.417	
3,500.00	3,456.86	3,713.41	3,657.85	9.18	9.98	-166.20	112.08	-548.25	1,067.09	1,049.81	17.27	61.779	
3,600.00	3,555.41	3,813.38	3,756.03	9.40	10.23	-166.27	115.28	-529.69	1,064.88	1,047.19	17.70	60.171	
3,700.00	3,653.96	3,913.34	3,854.21	9.63	10.49	-166.35	118.49	-511.13	1,062.68	1,044.55	18.13	58.600	
3,800.00	3,752.51	4,013.31	3,952.38	9.87	10.75	-166.42	121.69	-492.57	1,060.48	1,041.90	18.58	57.067	
3,900.00	3,851.06	4,113.28	4,050.56	10.11	11.02	-166.50	124.90	-474.01	1,058.28	1,039.24	19.04	55.576	
4,000.00	3,949.61	4,213.24	4,148.73	10.36	11.29	-166.57	128.10	-455.45	1,056.09	1,036.57	19.51	54.128	
4,100.00	4,048.16	4,313.21	4,246.91	10.61	11.56	-166.65	131.31	-436.89	1,053.89	1,033.90	19.99	52.723	
4,200.00	4,146.71	4,413.17	4,345.09	10.87	11.84	-166.73	134.51	-418.33	1,051.70	1,031.22	20.48	51.364	
4,300.00	4,245.26	4,513.14	4,443.26	11.13	12.13	-166.80	137.72	-399.77	1,049.51	1,028.54	20.97	50.049	
4,400.00	4,343.81	4,613.11	4,541.44	11.39	12.42	-166.88	140.92	-381.21	1,047.32	1,025.85	21.47	48.777	
4,500.00	4,442.36	4,713.07	4,639.61	11.66	12.71	-166.96	144.13	-362.65	1,045.13	1,023.15	21.98	47.550	
4,600.00	4,540.91	4,813.04	4,737.79	11.94	13.00	-167.04	147.33	-344.09	1,042.94	1,020.45	22.49	46.365	
4,700.00	4,639.46	4,913.00	4,835.96	12.21	13.30	-167.11	150.54	-325.54	1,040.76	1,017.75	23.01	45.221	
4,800.00	4,738.01	5,012.97	4,934.14	12.49	13.59	-167.19	153.74	-306.98	1,038.58	1,015.04	23.54	44.118	
4,900.00	4,836.56	5,112.94	5,032.32	12.77	13.90	-167.27	156.95	-288.42	1,036.40	1,012.33	24.07	43.054	
5,000.00	4,935.11	5,212.90	5,130.49	13.05	14.20	-167.35	160.15	-269.86	1,034.22	1,009.61	24.61	42.028	
5,100.00	5,033.66	5,312.87	5,228.67	13.34	14.51	-167.43	163.36	-251.30	1,032.05	1,006.90	25.15	41.038	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							
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	5,132.21	5,412.84	5,326.84	13.63	14.81	-167.51	166.56	-232.74	1,029.87	1,004.18	25.69	40.083	
5,300.00	5,230.76	5,512.80	5,425.02	13.92	15.12	-167.59	169.77	-214.18	1,027.70	1,001.46	26.24	39.163	
5,400.00	5,329.30	5,612.77	5,523.19	14.21	15.43	-167.67	172.97	-195.62	1,025.53	998.74	26.79	38.275	
5,500.00	5,427.85	5,712.73	5,621.37	14.50	15.75	-167.75	176.18	-177.06	1,023.36	996.01	27.35	37.418	
5,600.00	5,526.40	5,812.70	5,719.55	14.80	16.06	-167.83	179.38	-158.50	1,021.20	993.29	27.91	36.591	
5,700.00	5,624.95	5,912.67	5,817.72	15.10	16.38	-167.91	182.59	-139.94	1,019.03	990.56	28.47	35.792	
5,800.00	5,723.50	6,012.63	5,915.90	15.40	16.70	-167.99	185.79	-121.38	1,016.87	987.84	29.04	35.021	
5,900.00	5,822.05	6,112.60	6,014.07	15.70	17.01	-168.08	189.00	-102.82	1,014.71	985.11	29.60	34.277	
6,000.00	5,920.60	6,212.56	6,112.25	16.00	17.33	-168.16	192.20	-84.26	1,012.56	982.38	30.17	33.558	
6,100.00	6,019.15	6,312.53	6,210.42	16.31	17.66	-168.24	195.41	-65.70	1,010.40	979.65	30.75	32.863	
6,200.00	6,117.70	6,412.50	6,308.60	16.61	17.98	-168.32	198.61	-47.14	1,008.25	976.93	31.32	32.191	
6,300.00	6,216.25	7,987.49	7,197.55	16.92	30.11	-179.90	267.12	962.12	979.31	950.31	29.00	33.773	
6,400.00	6,314.80	8,003.58	7,197.47	17.22	30.32	178.71	267.87	978.19	880.68	851.36	29.33	30.028	
6,500.00	6,413.35	8,019.67	7,197.40	17.53	30.53	177.00	268.63	994.26	782.08	752.41	29.67	26.359	
6,600.00	6,512.28	8,032.90	7,197.34	17.79	30.70	170.04	269.24	1,007.48	683.14	653.13	30.01	22.764	
6,700.00	6,612.08	8,031.69	7,197.34	17.94	30.69	-170.31	269.19	1,006.27	583.46	553.17	30.29	19.265	
6,800.00	6,710.50	8,014.89	7,197.42	18.03	30.47	-171.52	268.40	989.49	485.33	454.84	30.49	15.919	
6,900.00	6,805.12	7,982.90	7,197.57	18.06	30.06	-171.16	266.91	957.54	391.26	360.62	30.65	12.767	
7,000.00	6,893.62	7,936.52	7,197.78	18.06	29.46	-169.47	264.74	911.20	303.75	272.92	30.83	9.852	
7,100.00	6,973.81	7,876.88	7,198.06	18.03	28.71	-166.20	261.95	851.63	225.30	194.10	31.20	7.221	
7,200.00	7,043.73	7,805.45	7,198.39	18.03	27.83	-160.35	258.60	780.28	158.58	126.44	32.15	4.933	
7,300.00	7,101.64	7,723.99	7,198.77	18.07	26.87	-149.79	254.79	698.91	106.89	72.31	34.58	3.091	
7,400.00	7,146.13	7,631.12	7,197.66	18.19	25.80	-130.17	250.41	606.17	73.59	34.06	39.52	1.862	
7,497.92	7,175.62	7,538.90	7,185.04	18.40	24.77	-97.27	245.83	515.02	60.15	16.42	43.73	1.375 Level 3, CC, ES, SF	
7,500.00	7,176.09	7,537.00	7,184.64	18.41	24.74	-96.49	245.74	513.16	60.16	16.42	43.74	1.375 Level 3	
7,600.00	7,190.80	7,448.44	7,159.98	18.73	23.79	-63.80	241.17	428.30	73.88	33.48	40.40	1.829	
7,700.00	7,190.87	7,364.67	7,126.03	19.15	22.95	-45.13	236.78	351.91	103.10	65.82	37.28	2.766	
7,800.00	7,187.69	7,289.52	7,087.26	19.71	22.26	-34.40	232.84	287.71	145.48	109.44	36.04	4.036	
7,900.00	7,184.51	7,224.22	7,047.62	20.39	21.70	-27.62	229.47	235.96	199.70	163.87	35.82	5.574	
8,000.00	7,181.33	7,168.09	7,009.45	21.17	21.25	-23.25	226.63	194.93	262.87	226.89	35.97	7.307	
8,100.00	7,178.15	7,120.01	6,973.99	22.06	20.90	-20.32	224.27	162.57	332.83	296.63	36.20	9.194	
8,200.00	7,174.98	7,078.83	6,941.73	23.03	20.62	-18.27	222.31	137.04	408.02	371.60	36.42	11.204	
8,300.00	7,171.80	7,050.00	6,918.21	24.08	20.44	-17.03	220.97	120.44	487.35	450.73	36.62	13.310	
8,400.00	7,168.62	7,012.85	6,886.82	25.19	20.22	-15.63	219.29	100.65	569.73	533.00	36.73	15.512	
8,500.00	7,165.44	6,986.29	6,863.69	26.36	20.07	-14.75	218.13	87.64	654.74	617.91	36.83	17.777	
8,600.00	7,162.26	6,963.08	6,843.06	27.59	19.94	-14.06	217.15	77.07	741.82	704.91	36.91	20.100	
8,700.00	7,159.08	6,950.00	6,831.26	28.86	19.87	-13.69	216.60	71.44	830.66	793.71	36.95	22.481	
8,800.00	7,155.90	6,924.64	6,808.07	30.16	19.75	-13.02	215.57	61.23	920.73	883.73	37.01	24.880	
8,900.00	7,152.72	6,900.00	6,785.17	31.50	19.63	-12.43	214.60	52.21	1,012.13	975.07	37.06	27.310	
9,000.00	7,149.54	6,900.00	6,785.17	32.88	19.63	-12.43	214.60	52.21	1,104.35	1,067.31	37.04	29.814	
9,100.00	7,146.36	6,881.37	6,767.63	34.28	19.55	-12.01	213.89	45.97	1,197.41	1,160.32	37.08	32.292	
9,200.00	7,143.18	6,869.74	6,756.58	35.70	19.50	-11.77	213.46	42.34	1,291.20	1,254.10	37.10	34.807	
9,300.00	7,140.00	6,850.00	6,737.70	37.14	19.42	-11.37	212.75	36.65	1,385.69	1,348.55	37.14	37.306	
9,400.00	7,136.82	6,850.00	6,737.70	38.60	19.42	-11.37	212.75	36.65	1,480.51	1,443.39	37.12	39.886	
9,500.00	7,133.64	6,850.00	6,737.70	40.08	19.42	-11.37	212.75	36.65	1,575.97	1,538.87	37.09	42.485	
9,600.00	7,130.46	6,832.79	6,721.09	41.57	19.36	-11.04	212.14	32.16	1,671.64	1,634.49	37.15	45.000	
9,700.00	7,127.28	6,825.39	6,713.92	43.08	19.33	-10.91	211.88	30.37	1,767.75	1,730.58	37.16	47.570	
9,800.00	7,124.10	6,818.56	6,707.28	44.59	19.31	-10.79	211.65	28.79	1,864.16	1,826.99	37.17	50.146	
9,900.00	7,120.92	6,800.00	6,689.15	46.12	19.24	-10.47	211.04	24.85	1,961.01	1,923.76	37.24	52.655	
10,000.00	7,117.74	6,800.00	6,689.15	47.66	19.24	-10.47	211.04	24.85	2,057.83	2,020.59	37.23	55.267	
10,100.00	7,114.57	6,800.00	6,689.15	49.20	19.24	-10.47	211.04	24.85	2,154.94	2,117.71	37.23	57.883	
10,200.00	7,111.39	6,795.84	6,685.08	50.76	19.22	-10.40	210.90	24.05	2,252.28	2,215.03	37.25	60.470	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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						
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	7,108.21	6,786.80	6,676.20	52.32	19.19	-10.25	210.61	22.36	2,349.80	2,312.51	37.29	63.019	
10,400.00	7,105.03	6,765.09	6,654.88	53.88	19.12	-9.92	209.92	18.33	2,447.36	2,409.98	37.39	65.462	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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
0.00	0.00	3.00	3.00	3.28	3.28	-89.80	4.40	-1,239.76	1,239.77				
100.00	100.00	103.00	103.00	3.28	3.28	-89.80	4.40	-1,239.76	1,239.77	1,232.24	7.53	164.661	
200.00	200.00	203.00	203.00	3.31	3.31	-89.80	4.40	-1,239.76	1,239.77	1,232.19	7.57	163.667	
300.00	299.98	304.42	304.42	3.35	3.35	-164.31	4.40	-1,239.75	1,241.44	1,233.78	7.66	161.966	
400.00	399.84	452.73	452.66	3.42	3.46	-164.27	7.08	-1,236.69	1,244.42	1,236.59	7.83	158.949	
500.00	499.45	601.08	600.52	3.51	3.62	-164.06	14.79	-1,227.85	1,246.88	1,238.83	8.05	154.905	
600.00	598.70	749.21	747.37	3.63	3.83	-163.69	27.51	-1,213.27	1,248.82	1,240.49	8.33	149.857	
700.00	697.47	896.89	892.58	3.78	4.11	-163.15	45.13	-1,193.07	1,250.29	1,241.60	8.69	143.928	
800.00	796.02	1,043.70	1,035.38	3.97	4.48	-162.43	67.50	-1,167.42	1,249.32	1,240.20	9.12	136.924	
900.00	894.57	1,173.59	1,160.17	4.18	4.90	-161.59	91.16	-1,140.29	1,244.97	1,235.35	9.62	129.445	
1,000.00	993.12	1,272.36	1,254.72	4.41	5.26	-160.92	109.94	-1,118.77	1,239.97	1,229.86	10.11	122.610	
1,100.00	1,091.67	1,371.12	1,349.26	4.67	5.65	-160.23	128.71	-1,097.24	1,235.15	1,224.50	10.65	116.013	
1,200.00	1,190.22	1,469.89	1,443.80	4.94	6.06	-159.54	147.49	-1,075.72	1,230.51	1,219.30	11.21	109.761	
1,300.00	1,288.77	1,568.65	1,538.35	5.22	6.48	-158.85	166.26	-1,054.19	1,226.06	1,214.25	11.81	103.825	
1,400.00	1,387.32	1,667.41	1,632.89	5.52	6.92	-158.15	185.04	-1,032.67	1,221.79	1,209.35	12.43	98.280	
1,500.00	1,485.87	1,766.18	1,727.44	5.82	7.37	-157.45	203.81	-1,011.15	1,217.70	1,204.62	13.08	93.117	
1,600.00	1,584.42	1,864.94	1,821.98	6.14	7.70	-156.74	222.59	-989.62	1,213.81	1,200.35	13.45	90.226	
1,700.00	1,682.97	1,963.71	1,916.52	6.46	7.83	-156.03	241.36	-968.10	1,210.10	1,196.25	13.85	87.395	
1,800.00	1,781.52	2,062.47	2,011.07	6.79	7.92	-155.31	260.14	-946.57	1,206.59	1,192.38	14.20	84.951	
1,900.00	1,880.07	2,161.24	2,105.61	6.96	8.02	-154.59	278.91	-925.05	1,203.27	1,189.02	14.25	84.466	
2,000.00	1,978.62	2,260.00	2,200.16	7.00	8.15	-153.87	297.69	-903.52	1,200.14	1,185.75	14.40	83.348	
2,100.00	2,077.17	2,358.77	2,294.70	7.06	8.30	-153.14	316.46	-882.00	1,197.22	1,182.63	14.59	82.062	
2,200.00	2,175.71	2,457.53	2,389.25	7.13	8.46	-152.41	335.24	-860.47	1,194.49	1,179.68	14.81	80.632	
2,300.00	2,274.26	2,556.29	2,483.79	7.21	8.65	-151.68	354.02	-838.95	1,191.96	1,176.89	15.07	79.080	
2,400.00	2,372.81	2,655.06	2,578.33	7.31	8.85	-150.94	372.79	-817.42	1,189.63	1,174.27	15.36	77.432	
2,500.00	2,471.36	2,753.82	2,672.88	7.43	9.06	-150.20	391.57	-795.90	1,187.51	1,171.82	15.69	75.709	
2,600.00	2,569.91	2,852.59	2,767.42	7.55	9.29	-149.46	410.34	-774.37	1,185.59	1,169.55	16.04	73.935	
2,700.00	2,668.46	2,951.35	2,861.97	7.69	9.53	-148.71	429.12	-752.85	1,183.87	1,167.46	16.41	72.129	
2,800.00	2,767.01	3,050.12	2,956.51	7.84	9.79	-147.97	447.89	-731.33	1,182.36	1,165.54	16.82	70.309	
2,900.00	2,865.56	3,148.88	3,051.05	8.01	10.05	-147.22	466.67	-709.80	1,181.05	1,163.81	17.24	68.490	
3,000.00	2,964.11	3,247.65	3,145.60	8.18	10.33	-146.47	485.44	-688.28	1,179.95	1,162.26	17.69	66.686	
3,100.00	3,062.66	3,346.41	3,240.14	8.36	10.62	-145.72	504.22	-666.75	1,179.06	1,160.89	18.16	64.908	
3,200.00	3,161.21	3,445.17	3,334.69	8.55	10.91	-144.97	522.99	-645.23	1,178.37	1,159.72	18.66	63.165	
3,300.00	3,259.76	3,543.94	3,429.23	8.76	11.21	-144.22	541.77	-623.70	1,177.90	1,158.73	19.16	61.464	
3,400.00	3,358.31	3,642.70	3,523.78	8.96	11.53	-143.46	560.54	-602.18	1,177.63	1,157.94	19.69	59.810	
3,478.51	3,435.68	3,720.25	3,598.00	9.13	11.77	-142.87	575.28	-585.28	1,177.57	1,157.45	20.11	58.546	
3,500.00	3,456.86	3,741.47	3,618.32	9.18	11.84	-142.71	579.32	-580.65	1,177.57	1,157.34	20.23	58.207	
3,600.00	3,555.41	3,840.23	3,712.86	9.40	12.17	-141.96	598.09	-559.13	1,177.72	1,156.93	20.79	56.657	
3,700.00	3,653.96	3,939.00	3,807.41	9.63	12.50	-141.20	616.87	-537.60	1,178.08	1,156.72	21.36	55.163	
3,800.00	3,752.51	4,037.76	3,901.95	9.87	12.83	-140.45	635.64	-516.08	1,178.64	1,156.70	21.94	53.725	
3,900.00	3,851.06	4,136.53	3,996.50	10.11	13.18	-139.70	654.42	-494.55	1,179.42	1,156.88	22.53	52.343	
4,000.00	3,949.61	4,235.29	4,091.04	10.36	13.52	-138.95	673.19	-473.03	1,180.40	1,157.26	23.14	51.017	
4,100.00	4,048.16	4,334.05	4,185.58	10.61	13.87	-138.20	691.97	-451.50	1,181.59	1,157.83	23.75	49.746	
4,200.00	4,146.71	4,432.82	4,280.13	10.87	14.22	-137.46	710.74	-429.98	1,182.98	1,158.61	24.38	48.529	
4,300.00	4,245.26	4,531.58	4,374.67	11.13	14.58	-136.71	729.52	-408.46	1,184.58	1,159.57	25.01	47.365	
4,400.00	4,343.81	4,630.35	4,469.22	11.39	14.94	-135.97	748.30	-386.93	1,186.39	1,160.74	25.65	46.251	
4,500.00	4,442.36	4,729.11	4,563.76	11.66	15.31	-135.23	767.07	-365.41	1,188.40	1,162.10	26.30	45.186	
4,600.00	4,540.91	4,827.88	4,658.30	11.94	15.67	-134.49	785.85	-343.88	1,190.61	1,163.65	26.96	44.168	
4,700.00	4,639.46	4,926.64	4,752.85	12.21	16.04	-133.75	804.62	-322.36	1,193.02	1,165.40	27.62	43.196	
4,800.00	4,738.01	5,025.41	4,847.39	12.49	16.42	-133.02	823.40	-300.83	1,195.64	1,167.35	28.29	42.267	
4,900.00	4,836.56	5,124.17	4,941.94	12.77	16.79	-132.29	842.17	-279.31	1,198.45	1,169.49	28.96	41.380	
5,000.00	4,935.11	5,222.93	5,036.48	13.05	17.17	-131.56	860.95	-257.78	1,201.46	1,171.82	29.64	40.532	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,100.00	5,033.66	5,321.70	5,131.03	13.34	17.55	-130.84	879.72	-236.26	1,204.67	1,174.34	30.33	39.722		
5,200.00	5,132.21	5,420.46	5,225.57	13.63	17.93	-130.12	898.50	-214.73	1,208.07	1,177.06	31.02	38.949		
5,300.00	5,230.76	5,519.23	5,320.11	13.92	18.31	-129.41	917.27	-193.21	1,211.67	1,179.96	31.71	38.210		
5,400.00	5,329.30	5,617.99	5,414.66	14.21	18.70	-128.70	936.05	-171.68	1,215.46	1,183.05	32.41	37.504		
5,500.00	5,427.85	5,716.76	5,509.20	14.50	19.09	-127.99	954.82	-150.16	1,219.43	1,186.32	33.11	36.830		
5,600.00	5,526.40	5,815.52	5,603.75	14.80	19.47	-127.29	973.60	-128.64	1,223.60	1,189.78	33.82	36.185		
5,700.00	5,624.95	5,914.29	5,698.29	15.10	19.86	-126.60	992.37	-107.11	1,227.95	1,193.43	34.52	35.568		
5,800.00	5,723.50	6,013.05	5,792.83	15.40	20.25	-125.90	1,011.15	-85.59	1,232.48	1,197.25	35.23	34.979		
5,900.00	5,822.05	6,111.81	5,887.38	15.70	20.65	-125.22	1,029.92	-64.06	1,237.20	1,201.25	35.95	34.415		
6,000.00	5,920.60	6,210.58	5,981.92	16.00	21.04	-124.54	1,048.70	-42.54	1,242.10	1,205.43	36.67	33.876		
6,100.00	6,019.15	6,309.34	6,076.47	16.31	21.43	-123.86	1,067.47	-21.01	1,247.17	1,209.79	37.38	33.361		
6,200.00	6,117.70	6,408.11	6,171.01	16.61	21.83	-123.19	1,086.25	0.51	1,252.42	1,214.31	38.11	32.867		
6,300.00	6,216.25	6,506.87	6,265.56	16.92	22.23	-122.53	1,105.02	22.04	1,257.84	1,219.01	38.83	32.394		
6,400.00	6,314.80	6,605.64	6,360.10	17.22	22.62	-121.87	1,123.80	43.56	1,263.44	1,223.88	39.55	31.942		
6,500.00	6,413.35	6,704.40	6,454.64	17.53	23.02	-121.21	1,142.58	65.09	1,269.20	1,228.92	40.28	31.508		
6,600.00	6,512.28	6,803.03	6,553.40	17.79	23.41	-120.52	1,161.36	86.61	1,274.96	1,234.00	41.00	31.074		
6,700.00	6,612.08	6,901.66	6,651.23	18.05	23.80	-119.83	1,180.14	108.13	1,280.72	1,239.14	41.71	30.640		
6,800.00	6,710.50	7,000.29	6,749.60	18.31	24.19	-119.14	1,198.92	129.65	1,286.48	1,244.28	42.42	30.206		
6,900.00	6,808.12	7,098.92	6,847.23	18.57	24.58	-118.45	1,217.70	151.17	1,292.24	1,249.42	43.13	29.772		
7,000.00	6,906.24	7,197.55	6,945.34	18.83	24.97	-117.76	1,236.48	172.69	1,297.99	1,254.56	43.84	29.338		
7,100.00	7,004.36	7,296.18	7,043.46	19.09	25.36	-117.07	1,255.26	194.21	1,303.73	1,259.70	44.55	28.904		
7,200.00	7,102.48	7,394.81	7,140.58	19.35	25.75	-116.38	1,274.04	215.73	1,309.47	1,265.44	45.26	28.470		
7,300.00	7,200.60	7,493.44	7,237.70	19.61	26.14	-115.69	1,292.82	237.25	1,315.21	1,271.18	45.97	28.036		
7,400.00	7,298.72	7,592.07	7,335.82	19.87	26.53	-115.00	1,311.60	258.77	1,320.95	1,276.92	46.68	27.602		
7,500.00	7,396.84	7,690.70	7,433.94	20.13	26.92	-114.31	1,330.38	280.29	1,326.69	1,282.66	47.39	27.168		
7,600.00	7,494.96	7,789.33	7,532.06	20.39	27.31	-113.62	1,349.16	301.81	1,332.43	1,288.40	48.10	26.734		
7,700.00	7,593.08	7,887.96	7,629.18	20.65	27.70	-112.93	1,367.94	323.33	1,338.17	1,294.14	48.81	26.300		
7,800.00	7,691.20	7,986.59	7,727.30	20.91	28.09	-112.24	1,386.72	344.85	1,343.91	1,299.88	49.52	25.866		
7,900.00	7,789.32	8,085.22	7,824.42	21.17	28.48	-111.55	1,405.50	366.37	1,349.65	1,305.62	50.23	25.432		
8,000.00	7,887.44	8,183.85	7,921.54	21.43	28.87	-110.86	1,424.28	387.89	1,355.39	1,311.36	50.94	25.000		
8,100.00	7,985.56	8,282.48	8,019.66	21.69	29.26	-110.17	1,443.06	409.41	1,361.13	1,317.10	51.65	24.566		
8,200.00	8,083.68	8,381.11	8,117.78	21.95	29.65	-109.48	1,461.84	430.93	1,366.87	1,322.84	52.36	24.132		
8,300.00	8,181.80	8,479.74	8,215.90	22.21	30.04	-108.79	1,480.62	452.45	1,372.61	1,328.58	53.07	23.698		
8,400.00	8,279.92	8,578.37	8,314.02	22.47	30.43	-108.10	1,499.40	473.97	1,378.35	1,334.32	53.78	23.264		
8,500.00	8,378.04	8,676.50	8,412.14	22.73	30.82	-107.41	1,518.18	495.49	1,384.09	1,340.06	54.49	22.830		
8,600.00	8,476.16	8,775.13	8,510.26	22.99	31.21	-106.72	1,536.96	517.01	1,389.83	1,345.80	55.20	22.396		
8,700.00	8,574.28	8,873.76	8,608.38	23.25	31.60	-106.03	1,555.74	538.53	1,395.57	1,351.54	55.91	21.962		
8,800.00	8,672.40	8,972.39	8,706.50	23.51	31.99	-105.34	1,574.52	560.05	1,401.31	1,357.28	56.62	21.528		
8,900.00	8,770.52	9,071.02	8,804.62	23.77	32.38	-104.65	1,593.30	581.57	1,407.05	1,363.02	57.33	21.094		
9,000.00	8,868.64	9,169.65	8,902.74	24.03	32.77	-103.96	1,612.08	603.09	1,412.79	1,368.76	58.04	20.660		
9,100.00	8,966.76	9,268.28	9,000.86	24.29	33.16	-103.27	1,630.86	624.61	1,418.53	1,374.50	58.75	20.226		
9,200.00	9,064.88	9,366.91	9,099.00	24.55	33.55	-102.58	1,649.64	646.13	1,424.27	1,380.24	59.46	19.792		
9,300.00	9,163.00	9,465.54	9,197.12	24.81	33.94	-101.89	1,668.42	667.65	1,430.01	1,385.98	60.17	19.358		
9,400.00	9,261.12	9,564.17	9,295.24	25.07	34.33	-101.20	1,687.20	689.17	1,435.75	1,391.72	60.88	18.924		
9,500.00	9,359.24	9,662.80	9,393.36	25.33	34.72	-100.51	1,705.98	710.69	1,441.49	1,397.46	61.59	18.490		
9,600.00	9,457.36	9,761.43	9,491.48	25.59	35.11	-99.82	1,724.76	732.21	1,447.23	1,403.20	62.30	18.056		
9,700.00	9,555.48	9,860.06	9,589.60	25.85	35.50	-99.13	1,743.54	753.73	1,452.97	1,408.94	63.01	17.622		
9,800.00	9,653.60	9,958.69	9,687.72	26.11	35.89	-98.44	1,762.32	775.25	1,458.71	1,414.68	63.72	17.188		
9,900.00	9,751.72	10,057.32	9,785.84	26.37	36.28	-97.75	1,781.10	796.77	1,464.45	1,420.42	64.43	16.754		
10,000.00	9,849.84	10,155.95	9,883.96	26.63	36.67	-97.06	1,800.00	818.29	1,470.19	1,426.16	65.14	16.320		
10,100.00	9,947.96	10,254.58	9,982.08	26.89	37.06	-96.37	1,818.88	839.81	1,475.93	1,431.90	65.85	15.886		
10,200.00	10,046.08	10,353.21	10,080.20	27.15	37.45	-95.68	1,837.66	861.33	1,481.67	1,437.64	66.56	15.452		
10,300.00	10,144.20	10,451.84	10,178.32	27.41	37.84	-94.99	1,856.44	882.85	1,487.41	1,443.38	67.27	15.018		
10,400.00	10,242.32	10,550.47	10,276.44	27.67	38.23	-94.30	1,875.22	904.37	1,493.15	1,449.12	67.98	14.584		
10,500.00	10,340.44	10,649.10	10,374.56	27.93	38.62	-93.61	1,894.00	925.89	1,498.89	1,454.86	68.69	14.150		
10,600.00	10,438.56	10,747.73	10,472.68	28.19	39.01	-92.92	1,912.78	947.41	1,504.63	1,460.60	69.40	13.716		
10,700.00	10,536.68	10,846.36	10,570.80	28.45	39.40	-92.23	1,931.56	968.93	1,510.37	1,466.34	70.11	13.282		
10,800.00	10,634.80	10,945.00	10,668.92	28.71	39.79	-91.54	1,950.34	990.45	1,516.11	1,472.08	70.82	12.848		
10,900.00	10,732.92	11,043.63	10,767.04	28.97	40.18	-90.85	1,969.12	1,011.97	1,521.85	1,477.82	71.53	12.414		
11,000.00	10,831.04	11,142.26	10,865.16	29.23	40.57	-90.16	1,987.90	1,033.49	1,527.59	1,483.56	72.24	11.980		
11,100.00	10,929.16	11,240.89	10,963.28	29.49	40.96	-89.47	2,006.68	1,055.01	1,533.33	1,489.30	72.95	11.546		
11,200.00	11,027.28	11,339.52	11,061.40	29.75	41.35	-88.78	2,025.46	1,076.53	1,539.07	1,495.04	73.66	11.112		
11,300.00	11,125.40	11,438.15	11,159.52	30.01	41.74	-88.09	2,044.24	1,098.05	1,544.81	1,500.78	74.37	10.678		
11,400.00	11,223.52	11,536.78	11,257.64	30.27	42.13	-87.40	2,063.02	1,119.57	1,550.55	1,506.52	75.08	10.244		
11,500.00	11,321.64	11,635.41	11,355.76	30.53	42.52	-86.71	2,081.80	1,141.09	1,556.29	1,512.26	75.79	9.810		
11,600.00	11,419.76	11,734.04	11,453.88	30.79	42.91	-86.02	2,100.58	1,162.61	1,562.03	1,518.00	76.50	9.376		
11,700.00	11,517.88	11,832.67	11,552.00	31.05	43.30	-85.33	2,119.36	1,184.13	1,567.77	1,523.74	77.21	8.942		</

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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	7,111.39	6,682.10	6,433.30	50.76	22.93	48.00	1,138.34	60.23	2,497.88	2,450.30	47.58	52.493	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	3.00	3.00	3.28	3.28	-89.78	4.77	-1,259.52	1,259.53				
100.00	100.00	103.00	103.00	3.28	3.28	-89.78	4.77	-1,259.52	1,259.53	1,252.00	7.53	167.287	
200.00	200.00	204.47	204.47	3.31	3.31	-89.78	4.77	-1,259.52	1,259.53	1,251.96	7.58	166.266	
300.00	299.98	353.33	353.25	3.35	3.38	-164.19	7.48	-1,256.45	1,259.15	1,251.47	7.69	163.750	
400.00	399.84	501.91	501.35	3.42	3.52	-163.94	15.29	-1,247.61	1,258.27	1,250.41	7.86	160.040	
500.00	499.45	649.97	648.12	3.51	3.70	-163.52	28.11	-1,233.09	1,256.91	1,248.81	8.10	155.129	
600.00	598.70	797.26	792.95	3.63	3.96	-162.93	45.83	-1,213.03	1,255.14	1,246.72	8.42	149.140	
700.00	697.47	943.55	935.23	3.78	4.33	-162.19	68.28	-1,187.60	1,253.01	1,244.19	8.82	142.075	
800.00	796.02	1,088.33	1,074.16	3.97	4.79	-161.23	95.21	-1,157.11	1,248.64	1,239.32	9.32	133.990	
900.00	894.57	1,186.27	1,167.45	4.18	5.17	-160.50	114.95	-1,134.76	1,242.70	1,232.90	9.81	126.718	
1,000.00	993.12	1,284.78	1,261.29	4.41	5.57	-159.77	134.81	-1,112.27	1,236.98	1,226.64	10.34	119.641	
1,100.00	1,091.67	1,383.30	1,355.12	4.67	6.00	-159.02	154.67	-1,089.78	1,231.46	1,220.55	10.91	112.895	
1,200.00	1,190.22	1,481.82	1,448.96	4.94	6.44	-158.27	174.52	-1,067.29	1,226.16	1,214.65	11.51	106.516	
1,300.00	1,288.77	1,580.33	1,542.79	5.22	6.90	-157.51	194.38	-1,044.80	1,221.08	1,208.94	12.14	100.547	
1,400.00	1,387.32	1,678.85	1,636.63	5.52	7.37	-156.75	214.24	-1,022.32	1,216.22	1,203.42	12.80	94.996	
1,500.00	1,485.87	1,777.36	1,730.47	5.82	7.85	-155.97	234.10	-999.83	1,211.59	1,198.10	13.48	89.853	
1,600.00	1,584.42	1,875.88	1,824.30	6.14	8.18	-155.20	253.96	-977.34	1,207.18	1,193.31	13.87	87.055	
1,700.00	1,682.97	1,974.39	1,918.14	6.46	8.30	-154.42	273.82	-954.85	1,203.00	1,188.74	14.26	84.372	
1,800.00	1,781.52	2,072.91	2,011.98	6.79	8.39	-153.63	293.68	-932.36	1,199.05	1,184.42	14.63	81.951	
1,900.00	1,880.07	2,171.42	2,105.81	6.96	8.51	-152.84	313.53	-909.88	1,195.33	1,180.64	14.69	81.372	
2,000.00	1,978.62	2,269.94	2,199.65	7.00	8.64	-152.04	333.39	-887.39	1,191.85	1,176.99	14.86	80.207	
2,100.00	2,077.17	2,368.46	2,293.48	7.06	8.80	-151.24	353.25	-864.90	1,188.61	1,173.54	15.07	78.894	
2,200.00	2,175.71	2,466.97	2,387.32	7.13	8.97	-150.44	373.11	-842.41	1,185.61	1,170.30	15.31	77.452	
2,300.00	2,274.26	2,565.49	2,481.16	7.21	9.16	-149.63	392.97	-819.93	1,182.85	1,167.26	15.58	75.906	
2,400.00	2,372.81	2,664.00	2,574.99	7.31	9.37	-148.82	412.83	-797.44	1,180.33	1,164.44	15.89	74.277	
2,500.00	2,471.36	2,762.52	2,668.83	7.43	9.59	-148.00	432.69	-774.95	1,178.05	1,161.83	16.23	72.587	
2,600.00	2,569.91	2,861.03	2,762.67	7.55	9.83	-147.19	452.54	-752.46	1,176.03	1,159.43	16.60	70.857	
2,700.00	2,668.46	2,959.55	2,856.50	7.69	10.08	-146.37	472.40	-729.97	1,174.25	1,157.26	16.99	69.104	
2,800.00	2,767.01	3,058.06	2,950.34	7.84	10.34	-145.54	492.26	-707.49	1,172.72	1,155.30	17.41	67.346	
2,900.00	2,865.56	3,156.58	3,044.18	8.01	10.62	-144.72	512.12	-685.00	1,171.44	1,153.58	17.86	65.596	
3,000.00	2,964.11	3,255.10	3,138.01	8.18	10.90	-143.89	531.98	-662.51	1,170.41	1,152.08	18.33	63.866	
3,100.00	3,062.66	3,353.61	3,231.85	8.36	11.20	-143.07	551.84	-640.02	1,169.63	1,150.81	18.81	62.166	
3,200.00	3,161.21	3,452.13	3,325.68	8.55	11.50	-142.24	571.70	-617.53	1,169.10	1,149.77	19.32	60.503	
3,300.00	3,259.76	3,550.64	3,419.52	8.76	11.81	-141.41	591.55	-595.05	1,168.82	1,148.97	19.85	58.884	
3,359.66	3,318.55	3,609.41	3,475.50	8.88	12.00	-140.91	603.40	-581.63	1,168.78	1,148.60	20.17	57.940	
3,400.00	3,358.31	3,649.16	3,513.36	8.96	12.13	-140.58	611.41	-572.56	1,168.80	1,148.40	20.39	57.313	
3,500.00	3,456.86	3,747.67	3,607.19	9.18	12.46	-139.75	631.27	-550.07	1,169.02	1,148.07	20.95	55.794	
3,600.00	3,555.41	3,846.19	3,701.03	9.40	12.79	-138.92	651.13	-527.58	1,169.50	1,147.98	21.53	54.329	
3,700.00	3,653.96	3,944.71	3,794.87	9.63	13.13	-138.10	670.99	-505.10	1,170.23	1,148.12	22.11	52.919	
3,800.00	3,752.51	4,043.22	3,888.70	9.87	13.48	-137.27	690.85	-482.61	1,171.22	1,148.50	22.71	51.564	
3,900.00	3,851.06	4,141.74	3,982.54	10.11	13.83	-136.44	710.71	-460.12	1,172.45	1,149.12	23.33	50.265	
4,000.00	3,949.61	4,240.25	4,076.37	10.36	14.18	-135.62	730.56	-437.63	1,173.93	1,149.99	23.95	49.020	
4,100.00	4,048.16	4,338.77	4,170.21	10.61	14.54	-134.80	750.42	-415.14	1,175.66	1,151.08	24.58	47.829	
4,200.00	4,146.71	4,437.28	4,264.05	10.87	14.91	-133.98	770.28	-392.66	1,177.64	1,152.42	25.22	46.690	
4,300.00	4,245.26	4,535.80	4,357.88	11.13	15.27	-133.17	790.14	-370.17	1,179.87	1,154.00	25.87	45.603	
4,400.00	4,343.81	4,634.31	4,451.72	11.39	15.64	-132.35	810.00	-347.68	1,182.34	1,155.81	26.53	44.564	
4,500.00	4,442.36	4,732.83	4,545.56	11.66	16.02	-131.55	829.86	-325.19	1,185.06	1,157.86	27.20	43.573	
4,600.00	4,540.91	4,831.35	4,639.39	11.94	16.40	-130.74	849.72	-302.70	1,188.01	1,160.14	27.87	42.627	
4,700.00	4,639.46	4,929.86	4,733.23	12.21	16.78	-129.94	869.57	-280.22	1,191.21	1,162.66	28.55	41.725	
4,800.00	4,738.01	5,028.38	4,827.07	12.49	17.16	-129.14	889.43	-257.73	1,194.64	1,165.41	29.23	40.865	
4,900.00	4,836.56	5,126.89	4,920.90	12.77	17.55	-128.35	909.29	-235.24	1,198.31	1,168.39	29.92	40.045	
5,000.00	4,935.11	5,225.41	5,014.74	13.05	17.93	-127.56	929.15	-212.75	1,202.22	1,171.60	30.62	39.263	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	5,033.66	5,323.92	5,108.57	13.34	18.32	-126.78	949.01	-190.27	1,206.35	1,175.03	31.32	38.518		
5,200.00	5,132.21	5,422.44	5,202.41	13.63	18.72	-126.00	968.87	-167.78	1,210.72	1,178.70	32.02	37.807		
5,300.00	5,230.76	5,520.95	5,296.25	13.92	19.11	-125.23	988.73	-145.29	1,215.31	1,182.58	32.73	37.130		
5,400.00	5,329.30	5,619.47	5,390.08	14.21	19.51	-124.47	1,008.59	-122.80	1,220.13	1,186.68	33.44	36.484		
5,500.00	5,427.85	5,717.99	5,483.92	14.50	19.90	-123.71	1,028.44	-100.31	1,225.17	1,191.01	34.16	35.867		
5,600.00	5,526.40	5,816.50	5,577.76	14.80	20.30	-122.95	1,048.30	-77.83	1,230.42	1,195.55	34.88	35.280		
5,700.00	5,624.95	5,915.02	5,671.59	15.10	20.70	-122.21	1,068.16	-55.34	1,235.90	1,200.30	35.60	34.719		
5,800.00	5,723.50	6,013.53	5,765.43	15.40	21.11	-121.47	1,088.02	-32.85	1,241.58	1,205.26	36.32	34.184		
5,900.00	5,822.05	6,112.05	5,859.26	15.70	21.51	-120.73	1,107.88	-10.36	1,247.48	1,210.43	37.05	33.673		
6,000.00	5,920.60	6,210.56	5,953.10	16.00	21.91	-120.01	1,127.74	12.13	1,253.58	1,215.81	37.77	33.186		
6,100.00	6,019.15	6,309.08	6,046.94	16.31	22.32	-119.29	1,147.60	34.61	1,259.89	1,221.39	38.50	32.721		
6,200.00	6,117.70	6,407.59	6,140.77	16.61	22.73	-118.57	1,167.45	57.10	1,266.40	1,227.16	39.24	32.277		
6,300.00	6,216.25	6,506.11	6,234.61	16.92	23.14	-117.87	1,187.31	79.59	1,273.11	1,233.14	39.97	31.852		
6,400.00	6,314.80	7,837.60	6,969.49	17.22	33.70	-80.71	1,346.45	970.68	1,258.26	1,214.63	43.63	28.842		
6,500.00	6,413.35	7,853.73	6,969.45	17.53	33.89	-79.85	1,346.52	986.82	1,206.17	1,160.88	45.29	26.630		
6,600.00	6,512.28	7,867.00	6,969.42	17.79	34.05	-58.78	1,346.58	1,000.09	1,160.00	1,113.10	46.90	24.732		
6,700.00	6,612.08	7,865.83	6,969.42	17.94	34.04	65.01	1,346.58	998.92	1,120.44	1,072.22	48.22	23.234		
6,800.00	6,710.50	7,849.05	6,969.46	18.03	33.84	83.70	1,346.50	982.13	1,089.07	1,039.91	49.16	22.152		
6,900.00	6,805.12	7,817.06	6,969.54	18.06	33.46	88.07	1,346.36	950.15	1,066.68	1,017.03	49.65	21.484		
7,000.00	6,893.62	7,770.67	6,969.65	18.06	32.91	88.77	1,346.15	903.76	1,053.07	1,003.39	49.69	21.195 SF		
7,100.00	6,973.81	7,711.01	6,969.80	18.03	32.23	87.63	1,345.87	844.10	1,047.11	997.79	49.32	21.232		
7,151.57	7,011.27	7,675.52	6,969.88	18.03	31.83	86.60	1,345.71	808.61	1,046.43	997.42	49.01	21.351 CC, ES		
7,200.00	7,043.73	7,639.55	6,969.97	18.03	31.43	85.48	1,345.55	772.63	1,046.94	998.28	48.66	21.516		
7,300.00	7,101.64	7,547.94	6,965.23	18.07	30.42	82.45	1,344.09	681.24	1,050.03	1,002.26	47.77	21.982		
7,400.00	7,146.13	7,461.91	6,949.22	18.19	29.50	79.42	1,340.29	596.86	1,054.63	1,007.76	46.87	22.501		
7,500.00	7,176.09	7,382.17	6,924.57	18.41	28.68	76.53	1,334.72	521.29	1,060.26	1,014.20	46.06	23.017		
7,600.00	7,190.80	7,307.08	6,893.07	18.73	27.94	73.80	1,327.75	453.53	1,066.37	1,020.98	45.40	23.490		
7,700.00	7,190.87	7,235.93	6,856.22	19.15	27.29	71.45	1,319.70	393.25	1,072.63	1,027.73	44.90	23.889		
7,800.00	7,187.69	7,172.86	6,818.22	19.71	26.75	69.48	1,311.45	343.62	1,082.09	1,037.47	44.62	24.252		
7,900.00	7,184.51	7,118.50	6,781.74	20.39	26.31	67.59	1,303.57	304.11	1,096.44	1,051.91	44.52	24.626		
8,000.00	7,181.33	7,071.80	6,747.87	21.17	25.96	65.85	1,296.29	272.81	1,116.31	1,071.73	44.59	25.038		
8,100.00	7,178.15	7,031.66	6,717.03	22.06	25.67	64.27	1,289.67	248.00	1,142.07	1,097.31	44.76	25.514		
8,200.00	7,174.98	7,000.00	6,691.65	23.03	25.45	62.99	1,284.24	229.87	1,173.84	1,128.80	45.04	26.064		
8,300.00	7,171.80	6,967.06	6,664.36	24.08	25.25	61.63	1,278.41	212.40	1,211.49	1,166.16	45.32	26.730		
8,400.00	7,168.62	6,950.00	6,649.87	25.19	25.14	60.91	1,275.32	203.92	1,254.87	1,209.16	45.70	27.458		
8,500.00	7,165.44	6,918.07	6,622.20	26.36	24.96	59.55	1,269.42	189.13	1,303.41	1,257.43	45.98	28.346		
8,600.00	7,162.26	6,900.00	6,606.23	27.59	24.85	58.77	1,266.02	181.40	1,356.92	1,310.61	46.31	29.300		
8,700.00	7,159.08	6,880.05	6,588.35	28.86	24.75	57.91	1,262.22	173.40	1,414.88	1,368.27	46.61	30.358		
8,800.00	7,155.90	6,864.13	6,573.92	30.16	24.67	57.22	1,259.15	167.44	1,476.86	1,429.98	46.89	31.499		
8,900.00	7,152.72	6,850.00	6,560.98	31.50	24.59	56.61	1,256.41	162.45	1,542.46	1,495.32	47.14	32.720		
9,000.00	7,149.54	6,850.00	6,560.98	32.88	24.59	56.61	1,256.41	162.45	1,611.44	1,564.03	47.41	33.990		
9,100.00	7,146.36	6,825.47	6,538.28	34.28	24.48	55.55	1,251.59	154.49	1,682.98	1,635.40	47.58	35.372		
9,200.00	7,143.18	6,800.00	6,514.42	35.70	24.36	54.44	1,246.53	147.19	1,757.44	1,709.71	47.72	36.825		
9,300.00	7,140.00	6,800.00	6,514.42	37.14	24.36	54.44	1,246.53	147.19	1,833.78	1,785.87	47.91	38.274		
9,400.00	7,136.82	6,800.00	6,514.42	38.60	24.36	54.44	1,246.53	147.19	1,912.31	1,864.24	48.07	39.779		
9,500.00	7,133.64	6,788.55	6,503.59	40.08	24.31	53.95	1,244.24	144.22	1,992.64	1,944.45	48.20	41.345		
9,600.00	7,130.46	6,774.09	6,489.86	41.57	24.25	53.33	1,241.33	140.76	2,074.64	2,026.34	48.30	42.955		
9,700.00	7,127.28	6,774.88	6,490.61	43.08	24.26	53.36	1,241.49	140.94	2,157.97	2,109.56	48.41	44.577		
9,800.00	7,124.10	6,748.87	6,465.84	44.59	24.15	52.25	1,236.25	135.00	2,242.53	2,194.05	48.48	46.261		
9,900.00	7,120.92	6,722.85	6,441.06	46.12	24.04	51.17	1,231.00	129.06	2,328.02	2,279.48	48.54	47.964		
10,000.00	7,117.74	6,703.16	6,416.28	47.66	23.96	50.10	1,225.76	123.13	2,414.34	2,365.73	48.62	49.661		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	3.00	3.00	3.28	3.28	-89.79	4.77	-1,279.57	1,279.58				
100.00	100.00	103.00	103.00	3.28	3.28	-89.79	4.77	-1,279.57	1,279.58	1,272.05	7.53	169.949	
200.00	200.00	203.00	203.00	3.31	3.31	-89.79	4.77	-1,279.57	1,279.58	1,272.00	7.57	168.923	
300.00	299.98	320.72	320.72	3.35	3.36	-164.29	5.15	-1,279.18	1,281.00	1,273.32	7.67	166.949	
400.00	399.84	467.40	467.23	3.42	3.48	-164.16	9.77	-1,274.46	1,282.83	1,274.99	7.84	163.655	
500.00	499.45	613.89	613.02	3.51	3.64	-163.87	19.62	-1,264.41	1,284.39	1,276.33	8.06	159.268	
600.00	598.70	759.94	757.48	3.63	3.86	-163.41	34.61	-1,249.10	1,285.72	1,277.37	8.36	153.842	
700.00	697.47	905.31	899.99	3.78	4.15	-162.78	54.63	-1,228.65	1,286.86	1,278.13	8.73	147.471	
800.00	796.02	1,049.57	1,039.80	3.97	4.55	-161.96	79.47	-1,203.29	1,285.89	1,276.70	9.19	139.991	
900.00	894.57	1,192.05	1,175.95	4.18	5.04	-160.91	108.80	-1,173.33	1,281.66	1,271.92	9.74	131.593	
1,000.00	993.12	1,306.66	1,271.87	4.41	5.51	-160.07	131.57	-1,150.08	1,275.76	1,265.43	10.33	123.531	
1,100.00	1,091.67	1,408.57	1,364.76	4.67	5.95	-159.25	153.63	-1,127.55	1,270.12	1,259.20	10.92	116.295	
1,200.00	1,190.22	1,489.53	1,457.65	4.94	6.33	-158.42	175.69	-1,105.02	1,264.76	1,253.29	11.47	110.283	
1,300.00	1,288.77	1,587.62	1,550.54	5.22	6.79	-157.58	197.75	-1,082.49	1,259.67	1,247.56	12.12	103.970	
1,400.00	1,387.32	1,685.72	1,643.43	5.52	7.27	-156.74	219.81	-1,059.96	1,254.86	1,242.07	12.79	98.113	
1,500.00	1,485.87	1,783.81	1,736.32	5.82	7.76	-155.89	241.87	-1,037.43	1,250.34	1,236.85	13.49	92.690	
1,600.00	1,584.42	1,881.91	1,829.21	6.14	8.08	-155.03	263.93	-1,014.90	1,246.10	1,232.23	13.87	89.814	
1,700.00	1,682.97	1,980.00	1,922.10	6.46	8.20	-154.17	285.99	-992.37	1,242.16	1,227.89	14.26	87.082	
1,800.00	1,781.52	2,078.10	2,014.99	6.79	8.30	-153.31	308.05	-969.84	1,238.50	1,223.85	14.65	84.551	
1,900.00	1,880.07	2,176.19	2,107.88	6.96	8.42	-152.44	330.11	-947.31	1,235.14	1,220.42	14.72	83.915	
2,000.00	1,978.62	2,274.29	2,200.76	7.00	8.57	-151.56	352.17	-924.78	1,232.08	1,217.18	14.90	82.677	
2,100.00	2,077.17	2,372.38	2,293.65	7.06	8.73	-150.68	374.23	-902.25	1,229.31	1,214.19	15.12	81.285	
2,200.00	2,175.71	2,470.48	2,386.54	7.13	8.92	-149.80	396.29	-879.72	1,226.85	1,211.47	15.38	79.764	
2,300.00	2,274.26	2,568.57	2,479.43	7.21	9.12	-148.91	418.35	-857.19	1,224.69	1,209.02	15.67	78.138	
2,400.00	2,372.81	2,666.67	2,572.32	7.31	9.34	-148.03	440.41	-834.66	1,222.84	1,206.84	16.00	76.432	
2,500.00	2,471.36	2,764.76	2,665.21	7.43	9.58	-147.13	462.47	-812.13	1,221.29	1,204.93	16.36	74.670	
2,600.00	2,569.91	2,862.86	2,758.10	7.55	9.83	-146.24	484.53	-789.60	1,220.05	1,203.31	16.74	72.872	
2,700.00	2,668.46	2,960.95	2,850.99	7.69	10.09	-145.35	506.59	-767.07	1,219.12	1,201.96	17.16	71.057	
2,800.00	2,767.01	3,059.05	2,943.88	7.84	10.37	-144.45	528.65	-744.54	1,218.49	1,200.89	17.60	69.244	
2,900.00	2,865.56	3,157.14	3,036.77	8.01	10.66	-143.56	550.72	-722.01	1,218.18	1,200.12	18.06	67.445	
2,951.48	2,916.29	3,207.64	3,084.58	8.10	10.81	-143.09	562.07	-710.42	1,218.14	1,199.83	18.31	66.530	
3,000.00	2,964.11	3,255.24	3,129.66	8.18	10.96	-142.66	572.78	-699.48	1,218.17	1,199.62	18.55	65.672	
3,100.00	3,062.66	3,353.33	3,222.55	8.36	11.27	-141.76	594.84	-676.95	1,218.48	1,199.42	19.06	63.936	
3,200.00	3,161.21	3,451.43	3,315.44	8.55	11.59	-140.87	616.90	-654.43	1,219.09	1,199.51	19.59	62.244	
3,300.00	3,259.76	3,549.53	3,408.32	8.76	11.92	-139.97	638.96	-631.90	1,220.02	1,199.88	20.13	60.601	
3,400.00	3,358.31	3,647.62	3,501.21	8.96	12.26	-139.08	661.02	-609.37	1,221.25	1,200.55	20.69	59.012	
3,500.00	3,456.86	3,745.72	3,594.10	9.18	12.60	-138.19	683.08	-586.84	1,222.79	1,201.51	21.27	57.480	
3,600.00	3,555.41	3,843.81	3,686.99	9.40	12.95	-137.30	705.14	-564.31	1,224.63	1,202.77	21.87	56.006	
3,700.00	3,653.96	3,941.91	3,779.88	9.63	13.30	-136.42	727.20	-541.78	1,226.78	1,204.31	22.47	54.591	
3,800.00	3,752.51	4,040.00	3,872.77	9.87	13.67	-135.53	749.26	-519.25	1,229.24	1,206.15	23.09	53.236	
3,900.00	3,851.06	4,138.10	3,965.66	10.11	14.03	-134.66	771.32	-496.72	1,231.99	1,208.27	23.72	51.939	
4,000.00	3,949.61	4,236.19	4,058.55	10.36	14.40	-133.78	793.38	-474.19	1,235.05	1,210.69	24.36	50.700	
4,100.00	4,048.16	4,334.29	4,151.44	10.61	14.78	-132.91	815.44	-451.66	1,238.40	1,213.39	25.01	49.517	
4,200.00	4,146.71	4,432.38	4,244.33	10.87	15.16	-132.04	837.50	-429.13	1,242.05	1,216.38	25.67	48.389	
4,300.00	4,245.26	4,530.48	4,337.22	11.13	15.54	-131.18	859.56	-406.60	1,245.98	1,219.65	26.33	47.314	
4,400.00	4,343.81	4,628.57	4,430.11	11.39	15.93	-130.33	881.62	-384.07	1,250.21	1,223.20	27.01	46.290	
4,500.00	4,442.36	4,726.67	4,523.00	11.66	16.32	-129.48	903.68	-361.54	1,254.73	1,227.04	27.69	45.315	
4,600.00	4,540.91	4,824.76	4,615.89	11.94	16.71	-128.63	925.74	-339.01	1,259.53	1,231.15	28.38	44.386	
4,700.00	4,639.46	4,922.86	4,708.77	12.21	17.11	-127.80	947.80	-316.48	1,264.60	1,235.53	29.07	43.503	
4,800.00	4,738.01	5,020.95	4,801.66	12.49	17.51	-126.97	969.86	-293.95	1,269.96	1,240.19	29.77	42.662	
4,900.00	4,836.56	5,119.05	4,894.55	12.77	17.91	-126.14	991.92	-271.42	1,275.59	1,245.12	30.47	41.863	
5,000.00	4,935.11	5,217.14	4,987.44	13.05	18.31	-125.33	1,013.98	-248.89	1,281.49	1,250.31	31.18	41.102	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,100.00	5,033.66	5,315.24	5,080.33	13.34	18.71	-124.52	1,036.04	-226.36	1,287.65	1,255.76	31.89	40.378		
5,200.00	5,132.21	5,413.33	5,173.22	13.63	19.12	-123.72	1,058.10	-203.83	1,294.08	1,261.47	32.61	39.689		
5,300.00	5,230.76	5,511.43	5,266.11	13.92	19.53	-122.92	1,080.16	-181.30	1,300.76	1,267.44	33.32	39.033		
5,400.00	5,329.30	5,609.52	5,359.00	14.21	19.94	-122.14	1,102.22	-158.77	1,307.70	1,273.66	34.05	38.409		
5,500.00	5,427.85	5,707.62	5,451.89	14.50	20.35	-121.36	1,124.28	-136.24	1,314.89	1,280.12	34.77	37.816		
5,600.00	5,526.40	5,805.71	5,544.78	14.80	20.77	-120.59	1,146.35	-113.71	1,322.33	1,286.83	35.50	37.250		
5,700.00	5,624.95	5,903.81	5,637.67	15.10	21.18	-119.83	1,168.41	-91.18	1,330.01	1,293.78	36.23	36.712		
5,800.00	5,723.50	6,001.90	5,730.56	15.40	21.60	-119.08	1,190.47	-68.65	1,337.92	1,300.96	36.96	36.200		
5,900.00	5,822.05	6,100.00	5,823.45	15.70	22.02	-118.33	1,212.53	-46.12	1,346.07	1,308.38	37.69	35.711		
6,000.00	5,920.60	6,201.91	5,916.33	16.00	22.46	-117.60	1,234.59	-23.60	1,354.45	1,316.01	38.44	35.231		
6,100.00	6,019.15	6,303.81	6,009.22	16.31	22.89	-116.87	1,256.65	-1.07	1,363.06	1,323.86	39.20	34.774		
6,200.00	6,117.70	6,405.72	6,102.11	16.61	23.33	-116.16	1,278.71	21.46	1,371.88	1,331.93	39.95	34.338		
6,300.00	6,216.25	6,507.62	6,195.00	16.92	23.77	-115.45	1,300.77	43.99	1,380.93	1,340.22	40.71	33.922		
6,400.00	6,314.80	6,590.47	6,287.89	17.22	24.13	-114.75	1,322.83	66.52	1,390.18	1,348.80	41.38	33.593		
6,500.00	6,413.35	6,688.57	6,380.78	17.53	24.55	-114.06	1,344.89	89.05	1,399.65	1,357.52	42.12	33.227		
6,600.00	6,512.28	6,786.37	6,473.39	17.79	24.98	-95.97	1,366.88	111.51	1,407.51	1,364.69	42.82	32.868		
6,700.00	6,612.08	8,084.32	7,169.69	17.94	35.37	65.55	1,536.01	997.56	1,369.68	1,322.21	47.48	28.851		
6,800.00	6,710.50	8,067.63	7,169.71	18.03	35.17	85.44	1,535.93	980.87	1,328.76	1,280.33	48.43	27.436		
6,900.00	6,805.12	8,035.74	7,169.76	18.06	34.81	91.17	1,535.77	948.98	1,295.32	1,246.27	49.05	26.410		
7,000.00	6,893.62	7,989.43	7,169.83	18.06	34.28	93.37	1,535.54	902.68	1,269.68	1,220.38	49.30	25.755		
7,100.00	6,973.81	7,929.85	7,169.92	18.03	33.62	93.76	1,535.25	843.10	1,251.45	1,202.23	49.22	25.427		
7,200.00	7,043.73	7,836.04	7,169.10	18.03	32.61	92.40	1,534.57	749.31	1,239.51	1,190.75	48.76	25.420 SF		
7,300.00	7,101.64	7,670.97	7,139.83	18.07	30.87	88.21	1,526.80	587.51	1,228.66	1,180.82	47.84	25.683		
7,400.00	7,146.13	7,550.57	7,093.41	18.19	29.69	85.03	1,515.26	477.21	1,218.61	1,171.58	47.04	25.908		
7,500.00	7,176.09	7,453.77	7,041.95	18.41	28.82	82.37	1,502.68	396.31	1,210.49	1,164.12	46.36	26.109		
7,600.00	7,190.80	7,370.54	6,988.58	18.73	28.14	79.95	1,489.75	333.84	1,204.49	1,158.66	45.83	26.279		
7,700.00	7,190.87	7,296.48	6,934.78	19.15	27.58	77.57	1,476.78	284.69	1,200.62	1,155.15	45.46	26.408		
7,744.04	7,189.47	7,268.35	6,912.94	19.40	27.38	76.52	1,471.53	267.76	1,200.12	1,154.73	45.40	26.436 CC, ES		
7,800.00	7,187.69	7,236.74	6,887.55	19.71	27.17	75.31	1,465.44	249.94	1,200.98	1,155.64	45.34	26.490		
7,900.00	7,184.51	7,189.69	6,848.24	20.39	26.87	73.42	1,456.03	225.87	1,207.11	1,161.70	45.41	26.583		
8,000.00	7,181.33	7,150.00	6,813.82	21.17	26.64	71.77	1,447.80	207.93	1,219.67	1,174.05	45.62	26.736		
8,100.00	7,178.15	7,121.45	6,788.41	22.06	26.48	70.55	1,441.74	196.41	1,238.93	1,192.97	45.96	26.957		
8,200.00	7,174.98	7,100.00	6,769.01	23.03	26.37	69.62	1,437.12	188.53	1,264.91	1,218.55	46.37	27.281		
8,300.00	7,171.80	7,075.07	6,746.15	24.08	26.25	68.53	1,431.67	180.23	1,297.41	1,250.64	46.77	27.741		
8,400.00	7,168.62	7,050.00	6,722.85	25.19	26.13	67.43	1,426.13	172.81	1,336.16	1,289.00	47.16	28.332		
8,500.00	7,165.44	7,041.83	6,715.19	26.36	26.09	67.06	1,424.31	170.59	1,380.62	1,333.01	47.61	29.000		
8,600.00	7,162.26	7,028.55	6,702.70	27.59	26.03	66.47	1,421.34	167.21	1,430.44	1,382.43	48.00	29.800		
8,700.00	7,159.08	7,014.43	6,689.35	28.86	25.97	65.85	1,418.17	163.89	1,485.09	1,436.73	48.36	30.711		
8,800.00	7,155.90	6,988.27	6,664.58	30.16	25.86	64.69	1,412.29	157.89	1,543.93	1,495.29	48.64	31.741		
8,900.00	7,152.72	6,962.12	6,639.81	31.50	25.74	63.54	1,406.41	151.88	1,606.42	1,557.52	48.90	32.851		
9,000.00	7,149.54	6,935.96	6,615.05	32.88	25.63	62.40	1,400.52	145.87	1,672.15	1,623.02	49.13	34.034		
9,100.00	7,146.36	6,909.81	6,590.28	34.28	25.51	61.27	1,394.64	139.87	1,740.75	1,691.41	49.34	35.282		
9,200.00	7,143.18	6,883.65	6,565.51	35.70	25.40	60.16	1,388.76	133.86	1,811.90	1,762.37	49.52	36.587		
9,300.00	7,140.00	6,857.50	6,540.75	37.14	25.29	59.06	1,382.88	127.85	1,885.30	1,835.61	49.69	37.943		
9,400.00	7,136.82	6,831.34	6,515.98	38.60	25.17	57.97	1,377.00	121.84	1,960.71	1,910.87	49.83	39.344		
9,500.00	7,133.64	6,805.19	6,491.21	40.08	25.06	56.89	1,371.12	115.84	2,037.90	1,987.93	49.97	40.786		
9,600.00	7,130.46	6,779.04	6,466.45	41.57	24.95	55.83	1,365.23	109.83	2,116.68	2,066.60	50.08	42.264		
9,700.00	7,127.28	6,752.88	6,441.68	43.08	24.83	54.79	1,359.35	103.82	2,196.87	2,146.68	50.19	43.774		
9,800.00	7,124.10	6,726.73	6,416.91	44.59	24.72	53.76	1,353.47	97.82	2,278.33	2,228.05	50.28	45.312		
9,900.00	7,120.92	6,700.57	6,392.15	46.12	24.60	52.74	1,347.59	91.81	2,360.93	2,310.56	50.37	46.876		
10,000.00	7,117.74	6,674.42	6,367.38	47.66	24.49	51.74	1,341.71	85.80	2,444.54	2,394.10	50.44	48.463		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	2.00	2.00	3.28	3.28	90.52	-1.09	119.99	120.00				
100.00	100.00	102.00	102.00	3.28	3.28	90.52	-1.09	119.99	120.00	112.47	7.53	15.938	
200.00	200.00	202.00	202.00	3.31	3.31	90.52	-1.09	119.99	120.00	112.42	7.57	15.842	
300.00	299.98	301.98	301.98	3.35	3.35	16.26	-1.09	119.99	118.32	110.66	7.66	15.440	
400.00	399.84	399.27	399.25	3.42	3.42	16.35	0.19	121.14	114.45	106.66	7.79	14.692	
500.00	499.45	496.62	496.47	3.51	3.50	15.64	3.95	124.48	109.47	101.51	7.95	13.761	
600.00	598.70	593.95	593.43	3.63	3.61	13.99	10.17	130.01	103.43	95.28	8.16	12.680	
700.00	697.47	691.20	689.98	3.78	3.74	11.17	18.83	137.72	96.54	88.14	8.40	11.493	
800.00	796.02	788.39	786.03	3.97	3.90	6.68	29.94	147.59	91.17	82.50	8.67	10.518	
897.90	892.50	883.38	879.35	4.17	4.08	0.65	43.14	159.33	89.28	80.32	8.96	9.964 CC	
900.00	894.57	885.41	881.34	4.18	4.08	0.51	43.45	159.61	89.28	80.32	8.97	9.957 ES	
1,000.00	993.12	982.03	975.60	4.41	4.31	-6.73	59.29	173.69	91.56	82.26	9.30	9.849	
1,100.00	1,091.67	1,080.27	1,070.88	4.67	4.58	-14.08	77.19	189.61	97.67	87.98	9.69	10.077	
1,200.00	1,190.22	1,179.31	1,166.90	4.94	4.88	-20.56	95.33	205.75	105.36	95.21	10.15	10.382	
1,300.00	1,288.77	1,278.35	1,262.91	5.22	5.20	-26.11	113.47	221.88	114.22	103.57	10.64	10.730	
1,400.00	1,387.32	1,377.38	1,358.93	5.52	5.55	-30.83	131.61	238.02	123.99	112.81	11.18	11.090	
1,500.00	1,485.87	1,476.42	1,454.94	5.82	5.90	-34.84	149.75	254.15	134.48	122.74	11.74	11.454	
1,600.00	1,584.42	1,575.46	1,550.96	6.14	6.27	-38.27	167.89	270.29	145.53	133.20	12.34	11.797	
1,700.00	1,682.97	1,674.50	1,646.97	6.46	6.66	-41.20	186.03	286.42	157.03	144.07	12.95	12.124	
1,800.00	1,781.52	1,773.53	1,742.99	6.79	7.05	-43.73	204.17	302.56	168.87	155.29	13.59	12.428	
1,900.00	1,880.07	1,872.57	1,839.01	6.96	7.31	-45.93	222.31	318.69	181.00	167.40	13.60	13.306	
2,000.00	1,978.62	1,971.61	1,935.02	7.00	7.42	-47.85	240.45	334.82	193.36	179.63	13.74	14.076	
2,100.00	2,077.17	2,070.65	2,031.04	7.06	7.49	-49.53	258.59	350.96	205.91	192.05	13.86	14.853	
2,200.00	2,175.71	2,169.68	2,127.05	7.13	7.58	-51.03	276.74	367.09	218.62	204.60	14.02	15.592	
2,300.00	2,274.26	2,268.72	2,223.07	7.21	7.69	-52.36	294.88	383.23	231.45	217.24	14.21	16.286	
2,400.00	2,372.81	2,367.76	2,319.08	7.31	7.81	-53.55	313.02	399.36	244.40	229.96	14.43	16.934	
2,500.00	2,471.36	2,466.79	2,415.10	7.43	7.96	-54.61	331.16	415.50	257.44	242.75	14.68	17.532	
2,600.00	2,569.91	2,565.83	2,511.11	7.55	8.11	-55.58	349.30	431.63	270.55	255.59	14.96	18.082	
2,700.00	2,668.46	2,664.87	2,607.13	7.69	8.29	-56.46	367.44	447.77	283.74	268.47	15.27	18.583	
2,800.00	2,767.01	2,763.91	2,703.15	7.84	8.47	-57.26	385.58	463.90	296.99	281.39	15.60	19.038	
2,900.00	2,865.56	2,862.94	2,799.16	8.01	8.67	-57.99	403.72	480.03	310.29	294.33	15.96	19.447	
3,000.00	2,964.11	2,961.98	2,895.18	8.18	8.88	-58.66	421.86	496.17	323.63	307.30	16.33	19.814	
3,100.00	3,062.66	3,061.02	2,991.19	8.36	9.11	-59.28	440.00	512.30	337.01	320.28	16.73	20.142	
3,200.00	3,161.21	3,160.06	3,087.21	8.55	9.34	-59.85	458.14	528.44	350.43	333.28	17.15	20.434	
3,300.00	3,259.76	3,259.09	3,183.22	8.76	9.58	-60.37	476.29	544.57	363.89	346.30	17.59	20.692	
3,400.00	3,358.31	3,358.13	3,279.24	8.96	9.83	-60.86	494.43	560.71	377.37	359.33	18.04	20.919	
3,500.00	3,456.86	3,457.17	3,375.25	9.18	10.09	-61.32	512.57	576.84	390.87	372.36	18.51	21.119	
3,600.00	3,555.41	3,556.21	3,471.27	9.40	10.36	-61.75	530.71	592.98	404.40	385.41	18.99	21.294	
3,700.00	3,653.96	3,655.24	3,567.29	9.63	10.63	-62.15	548.85	609.11	417.95	398.46	19.49	21.447	
3,800.00	3,752.51	3,754.28	3,663.30	9.87	10.91	-62.52	566.99	625.24	431.51	411.52	20.00	21.580	
3,900.00	3,851.06	3,853.32	3,759.32	10.11	11.20	-62.87	585.13	641.38	445.10	424.58	20.52	21.695	
4,000.00	3,949.61	3,952.36	3,855.33	10.36	11.49	-63.20	603.27	657.51	458.70	437.65	21.05	21.794	
4,100.00	4,048.16	4,051.39	3,951.35	10.61	11.79	-63.51	621.41	673.65	472.31	450.72	21.59	21.879	
4,200.00	4,146.71	4,150.43	4,047.36	10.87	12.09	-63.80	639.55	689.78	485.94	463.80	22.14	21.951	
4,300.00	4,245.26	4,249.47	4,143.38	11.13	12.40	-64.08	657.70	705.92	499.57	476.88	22.70	22.012	
4,400.00	4,343.81	4,348.51	4,239.40	11.39	12.71	-64.35	675.84	722.05	513.22	489.96	23.26	22.063	
4,500.00	4,442.36	4,447.54	4,335.41	11.66	13.02	-64.59	693.98	738.19	526.88	503.05	23.83	22.106	
4,600.00	4,540.91	4,546.58	4,431.43	11.94	13.34	-64.83	712.12	754.32	540.55	516.14	24.41	22.140	
4,700.00	4,639.46	4,645.62	4,527.44	12.21	13.66	-65.06	730.26	770.45	554.23	529.23	25.00	22.168	
4,800.00	4,738.01	4,744.65	4,623.46	12.49	13.99	-65.27	748.40	786.59	567.91	542.32	25.59	22.190	
4,900.00	4,836.56	4,843.69	4,719.47	12.77	14.32	-65.47	766.54	802.72	581.61	555.41	26.19	22.207	
5,000.00	4,935.11	4,942.73	4,815.49	13.05	14.65	-65.67	784.68	818.86	595.30	568.51	26.79	22.218	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
5,100.00	5,033.66	5,041.77	4,911.50	13.34	14.98	-65.85	802.82	834.99	609.01	581.61	27.40	22.226	
5,200.00	5,132.21	5,140.80	5,007.52	13.63	15.31	-66.03	820.96	851.13	622.72	594.71	28.01	22.230	
5,300.00	5,230.76	5,239.84	5,103.54	13.92	15.65	-66.20	839.10	867.26	636.44	607.81	28.63	22.231	
5,400.00	5,329.30	5,338.88	5,199.55	14.21	15.99	-66.37	857.25	883.40	650.16	620.91	29.25	22.229	
5,500.00	5,427.85	5,437.92	5,295.57	14.50	16.33	-66.52	875.39	899.53	663.89	634.02	29.87	22.224	
5,600.00	5,526.40	5,536.95	5,391.58	14.80	16.68	-66.67	893.53	915.66	677.62	647.12	30.50	22.218	
5,700.00	5,624.95	5,635.99	5,487.60	15.10	17.02	-66.82	911.67	931.80	691.36	660.23	31.13	22.209	
5,800.00	5,723.50	5,735.03	5,583.61	15.40	17.37	-66.95	929.81	947.93	705.10	673.34	31.76	22.199	
5,900.00	5,822.05	5,834.07	5,679.63	15.70	17.71	-67.09	947.95	964.07	718.84	686.44	32.40	22.187	
6,000.00	5,920.60	5,933.10	5,775.64	16.00	18.06	-67.21	966.09	980.20	732.59	699.55	33.04	22.174	
6,100.00	6,019.15	6,032.14	5,871.66	16.31	18.41	-67.34	984.23	996.34	746.34	712.66	33.68	22.160	
6,200.00	6,117.70	6,131.18	5,967.68	16.61	18.77	-67.46	1,002.37	1,012.47	760.10	725.78	34.32	22.145	
6,300.00	6,216.25	6,230.22	6,063.69	16.92	19.12	-67.57	1,020.51	1,028.61	773.86	738.89	34.97	22.129	
6,400.00	6,314.80	6,329.25	6,159.71	17.22	19.47	-67.68	1,038.65	1,044.74	787.62	752.00	35.62	22.113	
6,500.00	6,413.35	6,428.29	6,255.72	17.53	19.83	-67.79	1,056.80	1,060.87	801.38	765.11	36.27	22.096	
6,600.00	6,512.28	6,527.23	6,351.64	17.79	20.18	-50.86	1,074.92	1,076.99	815.48	778.63	36.85	22.128	
6,700.00	6,612.08	6,624.64	6,446.08	17.94	20.53	68.76	1,092.76	1,092.86	831.25	793.98	37.28	22.300	
6,800.00	6,710.50	6,726.55	6,545.11	18.03	20.87	85.83	1,111.49	1,107.79	849.11	811.53	37.58	22.594	
6,900.00	6,805.12	6,844.67	6,660.98	18.06	21.16	90.45	1,133.55	1,107.55	867.77	829.95	37.82	22.947	
7,000.00	6,893.62	6,971.75	6,783.21	18.06	21.36	92.68	1,157.04	1,083.02	886.11	848.13	37.98	23.332	
7,100.00	6,973.81	7,108.20	6,906.27	18.03	21.46	93.92	1,180.94	1,029.78	903.18	865.10	38.08	23.716	
7,200.00	7,043.73	7,253.42	7,021.76	18.03	21.46	94.51	1,203.67	945.26	917.99	879.82	38.18	24.046	
7,300.00	7,101.64	7,405.38	7,119.16	18.07	21.37	94.53	1,223.21	830.75	929.67	891.30	38.37	24.230	
7,400.00	7,146.13	7,560.53	7,188.25	18.19	21.22	94.02	1,237.57	693.01	937.57	898.78	38.79	24.168	
7,500.00	7,176.09	7,714.50	7,222.49	18.41	21.10	93.03	1,245.40	543.48	941.48	901.97	39.51	23.827	
7,600.00	7,190.80	7,841.59	7,225.08	18.73	21.27	91.99	1,247.00	416.54	942.08	901.68	40.40	23.316	
7,700.00	7,190.87	7,941.51	7,223.03	19.15	21.78	91.81	1,247.49	316.65	943.19	901.86	41.32	22.824	
7,800.00	7,187.69	8,041.49	7,220.97	19.71	22.46	91.87	1,247.97	216.69	944.55	902.07	42.48	22.238	
7,900.00	7,184.51	8,141.47	7,218.92	20.39	23.25	91.94	1,248.45	116.73	945.91	902.06	43.85	21.570	
8,000.00	7,181.33	8,241.46	7,216.87	21.17	24.13	92.01	1,248.94	16.76	947.27	901.83	45.44	20.847	
8,100.00	7,178.15	8,341.44	7,214.82	22.06	25.09	92.07	1,249.42	-83.20	948.64	901.43	47.21	20.094	
8,200.00	7,174.98	8,441.43	7,212.76	23.03	26.11	92.14	1,249.90	-183.16	950.00	900.86	49.14	19.331	
8,300.00	7,171.80	8,541.41	7,210.71	24.08	27.20	92.20	1,250.38	-283.12	951.37	900.14	51.23	18.572	
8,400.00	7,168.62	8,641.40	7,208.66	25.19	28.33	92.26	1,250.87	-383.09	952.74	899.30	53.44	17.830	
8,500.00	7,165.44	8,741.38	7,206.60	26.36	29.51	92.33	1,251.35	-483.05	954.11	898.35	55.76	17.111	
8,600.00	7,162.26	8,841.37	7,204.55	27.59	30.74	92.39	1,251.83	-583.01	955.48	897.29	58.18	16.423	
8,700.00	7,159.08	8,941.35	7,202.50	28.86	32.00	92.46	1,252.32	-682.97	956.85	896.16	60.69	15.766	
8,800.00	7,155.90	9,041.34	7,200.44	30.16	33.30	92.52	1,252.80	-782.94	958.22	894.94	63.28	15.144	
8,900.00	7,152.72	9,141.32	7,198.39	31.50	34.63	92.58	1,253.28	-882.90	959.59	893.66	65.93	14.555	
9,000.00	7,149.54	9,241.31	7,196.34	32.88	35.98	92.65	1,253.77	-982.86	960.97	892.33	68.64	14.000	
9,100.00	7,146.36	9,341.29	7,194.28	34.28	37.36	92.71	1,254.25	-1,082.83	962.34	890.94	71.41	13.477	
9,200.00	7,143.18	9,441.28	7,192.23	35.70	38.76	92.77	1,254.73	-1,182.79	963.72	889.50	74.22	12.985	
9,300.00	7,140.00	9,541.26	7,190.18	37.14	40.18	92.84	1,255.22	-1,282.75	965.10	888.03	77.07	12.522	
9,400.00	7,136.82	9,641.25	7,188.13	38.60	41.62	92.90	1,255.70	-1,382.71	966.48	886.52	79.96	12.087	
9,500.00	7,133.64	9,741.23	7,186.07	40.08	43.08	92.96	1,256.18	-1,482.68	967.86	884.98	82.88	11.677	
9,600.00	7,130.46	9,841.22	7,184.02	41.57	44.55	93.03	1,256.67	-1,582.64	969.24	883.40	85.84	11.292	
9,700.00	7,127.28	9,941.20	7,181.97	43.08	46.03	93.09	1,257.15	-1,682.60	970.62	881.81	88.81	10.929	
9,800.00	7,124.10	10,041.19	7,179.91	44.59	47.53	93.15	1,257.63	-1,782.56	972.01	880.19	91.82	10.586	
9,900.00	7,120.92	10,141.17	7,177.86	46.12	49.03	93.21	1,258.12	-1,882.53	973.39	878.55	94.84	10.263	
10,000.00	7,117.74	10,241.16	7,175.81	47.66	50.55	93.27	1,258.60	-1,982.49	974.78	876.89	97.89	9.958	
10,100.00	7,114.57	10,341.14	7,173.75	49.20	52.07	93.34	1,259.08	-2,082.45	976.17	875.22	100.95	9.670	
10,200.00	7,111.39	10,441.13	7,171.70	50.76	53.61	93.40	1,259.57	-2,182.41	977.56	873.53	104.02	9.397	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
10,300.00	7,108.21	10,541.11	7,169.65	52.32	55.15	93.46	1,260.05	-2,282.38	978.95	871.83	107.12	9.139		
10,400.00	7,105.03	10,641.10	7,167.59	53.88	56.70	93.52	1,260.53	-2,382.34	980.34	870.12	110.22	8.894		
10,500.00	7,101.85	10,741.08	7,165.54	55.46	58.26	93.58	1,261.02	-2,482.30	981.73	868.39	113.34	8.662		
10,600.00	7,098.67	10,841.07	7,163.49	57.04	59.82	93.64	1,261.50	-2,582.26	983.12	866.65	116.47	8.441		
10,700.00	7,095.49	10,941.05	7,161.43	58.62	61.39	93.70	1,261.98	-2,682.23	984.52	864.91	119.61	8.231		
10,800.00	7,092.31	11,041.04	7,159.38	60.21	62.96	93.76	1,262.47	-2,782.19	985.91	863.16	122.75	8.032		
10,900.00	7,089.13	11,141.02	7,157.33	61.80	64.54	93.82	1,262.95	-2,882.15	987.31	861.40	125.91	7.841		
11,000.00	7,085.95	11,241.01	7,155.28	63.40	66.12	93.88	1,263.43	-2,982.12	988.70	859.63	129.08	7.660		
11,100.00	7,082.77	11,340.99	7,153.22	65.00	67.71	93.94	1,263.92	-3,082.08	990.10	857.85	132.25	7.487		
11,200.00	7,079.59	11,440.98	7,151.17	66.61	69.30	94.00	1,264.40	-3,182.04	991.50	856.08	135.43	7.321		
11,300.00	7,076.41	11,540.96	7,149.12	68.21	70.89	94.06	1,264.88	-3,282.00	992.90	854.29	138.61	7.163		
11,400.00	7,073.23	11,640.95	7,147.06	69.82	72.49	94.12	1,265.36	-3,381.97	994.30	852.50	141.80	7.012		
11,500.00	7,070.05	11,740.93	7,145.01	71.44	74.09	94.18	1,265.85	-3,481.93	995.71	850.71	145.00	6.867		
11,600.00	7,066.87	11,840.92	7,142.96	73.05	75.69	94.24	1,266.33	-3,581.89	997.11	848.91	148.20	6.728		
11,700.00	7,063.69	11,940.90	7,140.90	74.67	77.30	94.30	1,266.81	-3,681.85	998.52	847.11	151.41	6.595		
11,800.00	7,060.51	12,040.89	7,138.85	76.29	78.91	94.36	1,267.30	-3,781.82	999.92	845.30	154.62	6.467		
11,900.00	7,057.33	12,140.87	7,136.80	77.92	80.52	94.41	1,267.78	-3,881.78	1,001.33	843.50	157.83	6.344		
12,000.00	7,054.15	12,240.86	7,134.74	79.54	82.14	94.47	1,268.26	-3,981.74	1,002.74	841.68	161.05	6.226		
12,100.00	7,050.98	12,340.84	7,132.69	81.17	83.75	94.53	1,268.75	-4,081.70	1,004.15	839.87	164.27	6.113		
12,200.00	7,047.80	12,440.82	7,130.64	82.80	85.37	94.59	1,269.23	-4,181.67	1,005.56	838.06	167.50	6.003		
12,300.00	7,044.62	12,540.81	7,128.59	84.43	86.99	94.65	1,269.71	-4,281.63	1,006.97	836.24	170.73	5.898		
12,400.00	7,041.44	12,640.79	7,126.53	86.06	88.62	94.70	1,270.20	-4,381.59	1,008.38	834.42	173.96	5.797		
12,500.00	7,038.26	12,740.78	7,124.48	87.69	90.24	94.76	1,270.68	-4,481.55	1,009.79	832.60	177.19	5.699		
12,600.00	7,035.08	12,840.76	7,122.43	89.33	91.87	94.82	1,271.16	-4,581.52	1,011.21	830.78	180.43	5.604		
12,700.00	7,031.90	12,940.75	7,120.37	90.96	93.50	94.88	1,271.65	-4,681.48	1,012.62	828.95	183.67	5.513		
12,800.00	7,028.72	13,040.73	7,118.32	92.60	95.13	94.93	1,272.13	-4,781.44	1,014.04	827.13	186.91	5.425		
12,900.00	7,025.54	13,140.72	7,116.27	94.24	96.76	94.99	1,272.61	-4,881.41	1,015.46	825.30	190.15	5.340		
13,000.00	7,022.36	13,240.70	7,114.21	95.88	98.39	95.05	1,273.10	-4,981.37	1,016.87	823.48	193.40	5.258		
13,100.00	7,019.18	13,340.69	7,112.16	97.52	100.02	95.10	1,273.58	-5,081.33	1,018.29	821.65	196.64	5.178		
13,200.00	7,016.00	13,440.67	7,110.11	99.16	101.66	95.16	1,274.06	-5,181.29	1,019.71	819.82	199.89	5.101		
13,300.00	7,012.82	13,540.66	7,108.05	100.80	103.29	95.22	1,274.55	-5,281.26	1,021.13	817.99	203.14	5.027		
13,400.00	7,009.64	13,640.64	7,106.00	102.44	104.93	95.27	1,275.03	-5,381.22	1,022.56	816.16	206.39	4.954		
13,500.00	7,006.46	13,740.63	7,103.95	104.09	106.57	95.33	1,275.51	-5,481.18	1,023.98	814.33	209.65	4.884		
13,600.00	7,003.28	13,840.61	7,101.89	105.73	108.21	95.38	1,276.00	-5,581.14	1,025.40	812.50	212.90	4.816		
13,700.00	7,000.10	13,940.60	7,099.84	107.38	109.85	95.44	1,276.48	-5,681.11	1,026.83	810.67	216.15	4.750		
13,800.00	6,996.92	14,040.58	7,097.79	109.03	111.49	95.49	1,276.96	-5,781.07	1,028.26	808.84	219.41	4.686		
13,900.00	6,993.74	14,140.57	7,095.74	110.67	113.13	95.55	1,277.45	-5,881.03	1,029.68	807.01	222.67	4.624		
14,000.00	6,990.57	14,240.55	7,093.68	112.32	114.78	95.61	1,277.93	-5,980.99	1,031.11	805.18	225.93	4.564		
14,100.00	6,987.39	14,340.54	7,091.63	113.97	116.42	95.66	1,278.41	-6,080.96	1,032.54	803.35	229.18	4.505		
14,200.00	6,984.21	14,440.52	7,089.58	115.62	118.06	95.71	1,278.90	-6,180.92	1,033.97	801.52	232.44	4.448		
14,300.00	6,981.03	14,540.51	7,087.52	117.27	119.71	95.77	1,279.38	-6,280.88	1,035.40	799.70	235.70	4.393		
14,400.00	6,977.85	14,640.49	7,085.47	118.92	121.36	95.82	1,279.86	-6,380.84	1,036.83	797.87	238.97	4.339		
14,500.00	6,974.67	14,740.48	7,083.42	120.57	123.00	95.88	1,280.34	-6,480.81	1,038.26	796.04	242.23	4.286		
14,600.00	6,971.49	14,840.46	7,081.36	122.22	124.65	95.93	1,280.83	-6,580.77	1,039.70	794.21	245.49	4.235		
14,700.00	6,968.31	14,940.45	7,079.31	123.87	126.30	95.99	1,281.31	-6,680.73	1,041.13	792.38	248.75	4.185		
14,800.00	6,965.13	15,040.43	7,077.26	125.53	127.95	96.04	1,281.79	-6,780.70	1,042.57	790.55	252.02	4.137		
14,900.00	6,961.95	15,140.42	7,075.20	127.18	129.60	96.09	1,282.28	-6,880.66	1,044.00	788.72	255.28	4.090		
15,000.00	6,958.77	15,240.40	7,073.15	128.83	131.25	96.15	1,282.76	-6,980.62	1,045.44	786.90	258.54	4.044		
15,100.00	6,955.59	15,340.39	7,071.10	130.49	132.90	96.20	1,283.24	-7,080.58	1,046.88	785.07	261.81	3.999		
15,200.00	6,952.41	15,440.37	7,069.05	132.14	134.55	96.26	1,283.73	-7,180.55	1,048.32	783.25	265.07	3.955		
15,300.00	6,949.23	15,540.36	7,066.99	133.80	136.20	96.31	1,284.21	-7,280.51	1,049.76	781.42	268.34	3.912		
15,400.00	6,946.05	15,640.34	7,064.94	135.45	137.85	96.36	1,284.69	-7,380.47	1,051.20	779.60	271.60	3.870		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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							
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	6,942.87	15,740.33	7,062.89	137.11	139.51	96.41	1,285.18	-7,480.43	1,052.64	777.77	274.87	3.830	
15,533.10	6,941.82	15,773.42	7,062.21	137.66	140.05	96.43	1,285.34	-7,513.52	1,053.12	777.17	275.95	3.816 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	90.42	-0.73	99.95	99.95				
100.00	100.00	101.00	101.00	3.28	3.28	90.42	-0.73	99.95	99.95	92.42	7.53	13.276	
200.00	200.00	201.00	201.00	3.31	3.31	90.42	-0.73	99.95	99.95	92.38	7.57	13.196	
300.00	299.98	299.31	299.30	3.35	3.35	15.77	0.00	100.58	98.92	91.26	7.66	12.913	
400.00	399.84	397.06	396.96	3.42	3.42	14.72	3.16	103.35	96.71	88.92	7.78	12.424	
500.00	499.45	494.73	494.34	3.51	3.51	12.63	8.83	108.29	93.49	85.54	7.95	11.764	
600.00	598.70	592.27	591.27	3.63	3.62	9.32	16.98	115.41	89.45	81.31	8.15	10.980	
700.00	697.47	689.63	687.60	3.78	3.76	4.54	27.59	124.67	84.98	76.60	8.38	10.135	
800.00	796.02	786.79	783.19	3.97	3.93	-1.94	40.64	136.06	82.71	74.06	8.65	9.561	
805.77	801.71	792.39	788.68	3.98	3.94	-2.36	41.46	136.78	82.70	74.04	8.67	9.542 CC, ES	
900.00	894.57	883.59	877.81	4.18	4.14	-9.56	56.05	149.52	84.70	75.75	8.95	9.463	
1,000.00	993.12	979.84	971.14	4.41	4.39	-17.24	73.76	164.97	91.42	82.14	9.29	9.844	
1,100.00	1,091.67	1,078.68	1,066.57	4.67	4.69	-24.11	93.14	181.89	101.28	91.55	9.73	10.413	
1,200.00	1,190.22	1,177.53	1,162.00	4.94	5.01	-29.71	112.53	198.82	112.33	102.12	10.21	11.001	
1,300.00	1,288.77	1,276.37	1,257.44	5.22	5.36	-34.28	131.91	215.74	124.26	113.52	10.74	11.574	
1,400.00	1,387.32	1,375.21	1,352.87	5.52	5.73	-38.04	151.29	232.66	136.83	125.54	11.29	12.119	
1,500.00	1,485.87	1,474.05	1,448.30	5.82	6.11	-41.16	170.68	249.58	149.89	138.01	11.88	12.617	
1,600.00	1,584.42	1,572.89	1,543.73	6.14	6.51	-43.77	190.06	266.50	163.31	150.82	12.49	13.074	
1,700.00	1,682.97	1,671.73	1,639.17	6.46	6.91	-45.99	209.45	283.43	177.02	163.90	13.12	13.489	
1,800.00	1,781.52	1,770.57	1,734.60	6.79	7.33	-47.88	228.83	300.35	190.96	177.19	13.77	13.866	
1,900.00	1,880.07	1,869.41	1,830.03	6.96	7.62	-49.52	248.22	317.27	205.07	191.27	13.80	14.862	
2,000.00	1,978.62	1,968.25	1,925.46	7.00	7.73	-50.95	267.60	334.19	219.32	205.39	13.94	15.739	
2,100.00	2,077.17	2,067.09	2,020.90	7.06	7.81	-52.20	286.99	351.11	233.69	219.64	14.06	16.624	
2,200.00	2,175.71	2,165.93	2,116.33	7.13	7.91	-53.30	306.37	368.04	248.16	233.95	14.21	17.461	
2,300.00	2,274.26	2,264.77	2,211.76	7.21	8.02	-54.29	325.76	384.96	262.71	248.31	14.40	18.244	
2,400.00	2,372.81	2,363.61	2,307.19	7.31	8.15	-55.17	345.14	401.88	277.33	262.71	14.62	18.971	
2,500.00	2,471.36	2,462.45	2,402.62	7.43	8.30	-55.96	364.53	418.80	292.00	277.14	14.87	19.641	
2,600.00	2,569.91	2,561.29	2,498.06	7.55	8.46	-56.68	383.91	435.72	306.73	291.58	15.15	20.253	
2,700.00	2,668.46	2,660.13	2,593.49	7.69	8.64	-57.33	403.30	452.65	321.50	306.05	15.45	20.809	
2,800.00	2,767.01	2,758.97	2,688.92	7.84	8.83	-57.93	422.68	469.57	336.30	320.52	15.78	21.311	
2,900.00	2,865.56	2,857.81	2,784.35	8.01	9.04	-58.47	442.06	486.49	351.14	335.00	16.14	21.761	
3,000.00	2,964.11	2,956.65	2,879.79	8.18	9.26	-58.97	461.45	503.41	366.00	349.49	16.51	22.163	
3,100.00	3,062.66	3,055.49	2,975.22	8.36	9.49	-59.43	480.83	520.34	380.89	363.98	16.91	22.520	
3,200.00	3,161.21	3,154.33	3,070.65	8.55	9.73	-59.86	500.22	537.26	395.81	378.47	17.33	22.836	
3,300.00	3,259.76	3,253.18	3,166.08	8.76	9.98	-60.25	519.60	554.18	410.74	392.97	17.77	23.114	
3,400.00	3,358.31	3,352.02	3,261.51	8.96	10.24	-60.62	538.99	571.10	425.69	407.47	18.23	23.357	
3,500.00	3,456.86	3,450.86	3,356.95	9.18	10.51	-60.96	558.37	588.02	440.66	421.96	18.70	23.570	
3,600.00	3,555.41	3,549.70	3,452.38	9.40	10.78	-61.28	577.76	604.95	455.64	436.46	19.18	23.754	
3,700.00	3,653.96	3,648.54	3,547.81	9.63	11.06	-61.58	597.14	621.87	470.63	450.95	19.68	23.914	
3,800.00	3,752.51	3,747.38	3,643.24	9.87	11.35	-61.86	616.53	638.79	485.64	465.45	20.19	24.051	
3,900.00	3,851.06	3,846.22	3,738.68	10.11	11.65	-62.13	635.91	655.71	500.65	479.94	20.71	24.169	
4,000.00	3,949.61	3,945.06	3,834.11	10.36	11.95	-62.38	655.30	672.63	515.68	494.43	21.25	24.269	
4,100.00	4,048.16	4,043.90	3,929.54	10.61	12.26	-62.61	674.68	689.56	530.72	508.92	21.79	24.353	
4,200.00	4,146.71	4,142.74	4,024.97	10.87	12.57	-62.83	694.07	706.48	545.76	523.41	22.35	24.423	
4,300.00	4,245.26	4,241.58	4,120.41	11.13	12.88	-63.04	713.45	723.40	560.81	537.90	22.91	24.481	
4,400.00	4,343.81	4,340.42	4,215.84	11.39	13.20	-63.24	732.83	740.32	575.87	552.39	23.48	24.528	
4,500.00	4,442.36	4,439.26	4,311.27	11.66	13.53	-63.43	752.22	757.24	590.93	566.88	24.06	24.566	
4,600.00	4,540.91	4,538.10	4,406.70	11.94	13.86	-63.61	771.60	774.17	606.00	581.37	24.64	24.595	
4,700.00	4,639.46	4,636.94	4,502.13	12.21	14.19	-63.78	790.99	791.09	621.08	595.85	25.23	24.617	
4,800.00	4,738.01	4,735.78	4,597.57	12.49	14.52	-63.94	810.37	808.01	636.16	610.34	25.83	24.632	
4,900.00	4,836.56	4,834.62	4,693.00	12.77	14.86	-64.10	829.76	824.93	651.25	624.82	26.43	24.642	
5,000.00	4,935.11	4,933.46	4,788.43	13.05	15.20	-64.25	849.14	841.86	666.34	639.30	27.04	24.646	

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,100.00	5,033.66	5,032.30	4,883.86	13.34	15.54	-64.39	868.53	858.78	681.43	653.79	27.65	24.647		
5,200.00	5,132.21	5,131.14	4,979.30	13.63	15.89	-64.52	887.91	875.70	696.53	668.27	28.26	24.643		
5,300.00	5,230.76	5,229.99	5,074.73	13.92	16.24	-64.65	907.30	892.62	711.63	682.75	28.89	24.636		
5,400.00	5,329.30	5,328.83	5,170.16	14.21	16.58	-64.78	926.68	909.54	726.74	697.23	29.51	24.626		
5,500.00	5,427.85	5,427.67	5,265.59	14.50	16.94	-64.90	946.07	926.47	741.85	711.71	30.14	24.614		
5,600.00	5,526.40	5,526.51	5,361.02	14.80	17.29	-65.01	965.45	943.39	756.96	726.19	30.77	24.599		
5,700.00	5,624.95	5,625.35	5,456.46	15.10	17.64	-65.12	984.84	960.31	772.07	740.67	31.41	24.583		
5,800.00	5,723.50	5,724.19	5,551.89	15.40	18.00	-65.23	1,004.22	977.23	787.19	755.15	32.05	24.565		
5,900.00	5,822.05	5,823.03	5,647.32	15.70	18.36	-65.33	1,023.60	994.15	802.31	769.62	32.69	24.545		
6,000.00	5,920.60	5,921.87	5,742.75	16.00	18.72	-65.43	1,042.99	1,011.08	817.43	784.10	33.33	24.524		
6,100.00	6,019.15	6,020.71	5,838.19	16.31	19.08	-65.52	1,062.37	1,028.00	832.56	798.58	33.98	24.503		
6,200.00	6,117.70	6,119.55	5,933.62	16.61	19.44	-65.61	1,081.76	1,044.92	847.69	813.06	34.63	24.480		
6,300.00	6,216.25	6,218.39	6,029.05	16.92	19.81	-65.70	1,101.14	1,061.84	862.81	827.53	35.28	24.457		
6,400.00	6,314.80	6,317.23	6,124.48	17.22	20.17	-65.79	1,120.53	1,078.76	877.94	842.01	35.93	24.433		
6,500.00	6,413.35	6,416.07	6,219.92	17.53	20.54	-65.87	1,139.91	1,095.69	893.08	856.49	36.59	24.408		
6,600.00	6,512.28	6,532.39	6,333.25	17.79	20.88	-49.51	1,162.95	1,106.49	907.75	870.53	37.21	24.393		
6,700.00	6,612.08	6,648.62	6,446.54	17.94	21.11	68.44	1,186.02	1,096.16	922.34	884.67	37.67	24.486		
6,800.00	6,710.50	6,762.73	6,554.15	18.03	21.26	82.93	1,207.97	1,065.76	936.75	898.76	37.99	24.659		
6,900.00	6,805.12	6,874.45	6,652.71	18.06	21.33	84.70	1,228.11	1,017.49	950.71	912.50	38.21	24.883		
7,000.00	6,893.62	6,983.62	6,739.59	18.06	21.33	84.26	1,245.90	954.06	963.93	925.57	38.36	25.127		
7,100.00	6,973.81	7,090.19	6,812.96	18.03	21.27	83.11	1,260.97	878.43	976.14	937.62	38.51	25.347		
7,200.00	7,043.73	7,194.18	6,871.67	18.03	21.19	81.72	1,273.07	793.59	987.05	948.34	38.71	25.499		
7,300.00	7,101.64	7,295.67	6,915.19	18.07	21.08	80.28	1,282.09	702.47	996.44	957.42	39.02	25.539		
7,400.00	7,146.13	7,394.77	6,943.47	18.19	20.97	78.92	1,288.02	607.78	1,004.05	964.58	39.47	25.437		
7,500.00	7,176.09	7,491.62	6,956.88	18.41	20.89	77.68	1,290.92	512.00	1,009.71	969.62	40.09	25.184		
7,600.00	7,190.80	7,588.29	6,957.00	18.73	20.97	76.66	1,291.12	415.38	1,013.23	972.33	40.89	24.778		
7,700.00	7,190.87	7,688.19	6,954.34	19.15	21.41	76.44	1,290.77	315.51	1,014.19	972.29	41.90	24.202		
7,800.00	7,187.69	7,788.19	6,951.68	19.71	22.08	76.48	1,290.41	215.55	1,014.54	971.40	43.14	23.516		
7,900.00	7,184.51	7,888.19	6,949.01	20.39	22.88	76.51	1,290.05	115.59	1,014.89	970.30	44.59	22.760		
8,000.00	7,181.33	7,988.18	6,946.35	21.17	23.77	76.55	1,289.69	15.63	1,015.24	969.01	46.23	21.959		
8,100.00	7,178.15	8,088.18	6,943.68	22.06	24.74	76.58	1,289.33	-84.33	1,015.59	967.54	48.05	21.138		
8,200.00	7,174.98	8,188.18	6,941.02	23.03	25.77	76.61	1,288.98	-184.30	1,015.94	965.93	50.01	20.314		
8,300.00	7,171.80	8,288.18	6,938.36	24.08	26.87	76.65	1,288.62	-284.26	1,016.29	964.18	52.11	19.502		
8,400.00	7,168.62	8,388.17	6,935.69	25.19	28.01	76.68	1,288.26	-384.22	1,016.64	962.31	54.33	18.711		
8,500.00	7,165.44	8,488.17	6,933.03	26.36	29.20	76.72	1,287.90	-484.18	1,016.99	960.33	56.66	17.949		
8,600.00	7,162.26	8,588.17	6,930.36	27.59	30.44	76.75	1,287.54	-584.14	1,017.35	958.27	59.08	17.220		
8,700.00	7,159.08	8,688.17	6,927.70	28.86	31.71	76.79	1,287.18	-684.10	1,017.70	956.12	61.58	16.527		
8,800.00	7,155.90	8,788.16	6,925.03	30.16	33.01	76.82	1,286.83	-784.06	1,018.05	953.90	64.15	15.869		
8,900.00	7,152.72	8,888.16	6,922.37	31.50	34.35	76.86	1,286.47	-884.02	1,018.40	951.62	66.79	15.248		
9,000.00	7,149.54	8,988.16	6,919.70	32.88	35.71	76.89	1,286.11	-983.99	1,018.76	949.28	69.48	14.662		
9,100.00	7,146.36	9,088.16	6,917.04	34.28	37.10	76.92	1,285.75	-1,083.95	1,019.11	946.89	72.23	14.110		
9,200.00	7,143.18	9,188.15	6,914.37	35.70	38.50	76.96	1,285.39	-1,183.91	1,019.47	944.45	75.01	13.590		
9,300.00	7,140.00	9,288.15	6,911.71	37.14	39.93	76.99	1,285.03	-1,283.87	1,019.82	941.98	77.84	13.101		
9,400.00	7,136.82	9,388.15	6,909.05	38.60	41.37	77.03	1,284.68	-1,383.83	1,020.17	939.47	80.71	12.641		
9,500.00	7,133.64	9,488.15	6,906.38	40.08	42.83	77.06	1,284.32	-1,483.79	1,020.53	936.93	83.60	12.207		
9,600.00	7,130.46	9,588.14	6,903.72	41.57	44.31	77.10	1,283.96	-1,583.75	1,020.89	934.36	86.53	11.799		
9,700.00	7,127.28	9,688.14	6,901.05	43.08	45.79	77.13	1,283.60	-1,683.72	1,021.24	931.76	89.48	11.413		
9,800.00	7,124.10	9,788.14	6,898.39	44.59	47.29	77.16	1,283.24	-1,783.68	1,021.60	929.15	92.45	11.050		
9,900.00	7,120.92	9,888.14	6,895.72	46.12	48.80	77.20	1,282.88	-1,883.64	1,021.95	926.51	95.45	10.707		
10,000.00	7,117.74	9,988.13	6,893.06	47.66	50.32	77.23	1,282.53	-1,983.60	1,022.31	923.85	98.46	10.383		
10,100.00	7,114.57	10,088.13	6,890.39	49.20	51.85	77.27	1,282.17	-2,083.56	1,022.67	921.17	101.50	10.076		
10,200.00	7,111.39	10,188.13	6,887.73	50.76	53.39	77.30	1,281.81	-2,183.52	1,023.03	918.48	104.55	9.785		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
10,300.00	7,108.21	10,288.13	6,885.07	52.32	54.93	77.34	1,281.45	-2,283.48	1,023.39	915.77	107.61	9.510		
10,400.00	7,105.03	10,388.12	6,882.40	53.88	56.48	77.37	1,281.09	-2,383.45	1,023.74	913.05	110.69	9.249		
10,500.00	7,101.85	10,488.12	6,879.74	55.46	58.04	77.40	1,280.74	-2,483.41	1,024.10	910.32	113.78	9.001		
10,600.00	7,098.67	10,588.12	6,877.07	57.04	59.60	77.44	1,280.38	-2,583.37	1,024.46	907.58	116.89	8.765		
10,700.00	7,095.49	10,688.12	6,874.41	58.62	61.17	77.47	1,280.02	-2,683.33	1,024.82	904.82	120.00	8.540		
10,800.00	7,092.31	10,788.11	6,871.74	60.21	62.75	77.51	1,279.66	-2,783.29	1,025.18	902.06	123.12	8.326		
10,900.00	7,089.13	10,888.11	6,869.08	61.80	64.33	77.54	1,279.30	-2,883.25	1,025.54	899.28	126.26	8.123		
11,000.00	7,085.95	10,988.11	6,866.41	63.40	65.91	77.57	1,278.94	-2,983.21	1,025.90	896.50	129.40	7.928		
11,100.00	7,082.77	11,088.11	6,863.75	65.00	67.50	77.61	1,278.59	-3,083.17	1,026.26	893.71	132.55	7.742		
11,200.00	7,079.59	11,188.10	6,861.09	66.61	69.09	77.64	1,278.23	-3,183.14	1,026.62	890.92	135.71	7.565		
11,300.00	7,076.41	11,288.10	6,858.42	68.21	70.69	77.67	1,277.87	-3,283.10	1,026.99	888.11	138.87	7.395		
11,400.00	7,073.23	11,388.10	6,855.76	69.82	72.29	77.71	1,277.51	-3,383.06	1,027.35	885.30	142.04	7.233		
11,500.00	7,070.05	11,488.10	6,853.09	71.44	73.89	77.74	1,277.15	-3,483.02	1,027.71	882.49	145.22	7.077		
11,600.00	7,066.87	11,588.09	6,850.43	73.05	75.49	77.78	1,276.79	-3,582.98	1,028.07	879.67	148.41	6.927		
11,700.00	7,063.69	11,688.09	6,847.76	74.67	77.10	77.81	1,276.44	-3,682.94	1,028.44	876.84	151.60	6.784		
11,800.00	7,060.51	11,788.09	6,845.10	76.29	78.71	77.84	1,276.08	-3,782.90	1,028.80	874.01	154.79	6.646		
11,900.00	7,057.33	11,888.09	6,842.43	77.92	80.32	77.88	1,275.72	-3,882.87	1,029.16	871.17	157.99	6.514		
12,000.00	7,054.15	11,988.08	6,839.77	79.54	81.94	77.91	1,275.36	-3,982.83	1,029.53	868.33	161.20	6.387		
12,100.00	7,050.98	12,088.08	6,837.10	81.17	83.56	77.94	1,275.00	-4,082.79	1,029.89	865.49	164.40	6.264		
12,200.00	7,047.80	12,188.08	6,834.44	82.80	85.17	77.98	1,274.64	-4,182.75	1,030.26	862.64	167.62	6.146		
12,300.00	7,044.62	12,288.08	6,831.78	84.43	86.80	78.01	1,274.29	-4,282.71	1,030.62	859.79	170.83	6.033		
12,400.00	7,041.44	12,388.07	6,829.11	86.06	88.42	78.05	1,273.93	-4,382.67	1,030.99	856.93	174.06	5.923		
12,500.00	7,038.26	12,488.07	6,826.45	87.69	90.04	78.08	1,273.57	-4,482.63	1,031.36	854.08	177.28	5.818		
12,600.00	7,035.08	12,588.07	6,823.78	89.33	91.67	78.11	1,273.21	-4,582.60	1,031.72	851.21	180.51	5.716		
12,700.00	7,031.90	12,688.07	6,821.12	90.96	93.30	78.15	1,272.85	-4,682.56	1,032.09	848.35	183.74	5.617		
12,800.00	7,028.72	12,788.06	6,818.45	92.60	94.93	78.18	1,272.49	-4,782.52	1,032.46	845.48	186.97	5.522		
12,900.00	7,025.54	12,888.06	6,815.79	94.24	96.56	78.21	1,272.14	-4,882.48	1,032.82	842.61	190.21	5.430		
13,000.00	7,022.36	12,988.06	6,813.12	95.88	98.19	78.25	1,271.78	-4,982.44	1,033.19	839.74	193.45	5.341		
13,100.00	7,019.18	13,088.06	6,810.46	97.52	99.83	78.28	1,271.42	-5,082.40	1,033.56	836.86	196.69	5.255		
13,200.00	7,016.00	13,188.05	6,807.80	99.16	101.46	78.31	1,271.06	-5,182.36	1,033.93	833.99	199.94	5.171		
13,300.00	7,012.82	13,288.05	6,805.13	100.80	103.10	78.35	1,270.70	-5,282.32	1,034.30	831.11	203.19	5.090		
13,400.00	7,009.64	13,388.05	6,802.47	102.44	104.73	78.38	1,270.34	-5,382.29	1,034.67	828.23	206.44	5.012		
13,500.00	7,006.46	13,488.05	6,799.80	104.09	106.37	78.41	1,269.99	-5,482.25	1,035.04	825.34	209.69	4.936		
13,600.00	7,003.28	13,588.04	6,797.14	105.73	108.01	78.45	1,269.63	-5,582.21	1,035.41	822.46	212.95	4.862		
13,700.00	7,000.10	13,688.04	6,794.47	107.38	109.65	78.48	1,269.27	-5,682.17	1,035.78	819.57	216.20	4.791		
13,800.00	6,996.92	13,788.04	6,791.81	109.03	111.29	78.51	1,268.91	-5,782.13	1,036.15	816.68	219.46	4.721		
13,900.00	6,993.74	13,888.04	6,789.14	110.67	112.93	78.55	1,268.55	-5,882.09	1,036.52	813.79	222.73	4.654		
14,000.00	6,990.57	13,988.03	6,786.48	112.32	114.58	78.58	1,268.20	-5,982.05	1,036.89	810.90	225.99	4.588		
14,100.00	6,987.39	14,088.03	6,783.81	113.97	116.22	78.61	1,267.84	-6,082.02	1,037.26	808.01	229.25	4.524		
14,200.00	6,984.21	14,188.03	6,781.15	115.62	117.86	78.65	1,267.48	-6,181.98	1,037.63	805.11	232.52	4.463		
14,300.00	6,981.03	14,288.03	6,778.49	117.27	119.51	78.68	1,267.12	-6,281.94	1,038.00	802.21	235.79	4.402		
14,400.00	6,977.85	14,388.02	6,775.82	118.92	121.16	78.71	1,266.76	-6,381.90	1,038.38	799.32	239.06	4.344		
14,500.00	6,974.67	14,488.02	6,773.16	120.57	122.80	78.75	1,266.40	-6,481.86	1,038.75	796.42	242.33	4.286		
14,600.00	6,971.49	14,588.02	6,770.49	122.22	124.45	78.78	1,266.05	-6,581.82	1,039.12	793.52	245.61	4.231		
14,700.00	6,968.31	14,688.02	6,767.83	123.87	126.10	78.81	1,265.69	-6,681.78	1,039.50	790.61	248.88	4.177		
14,800.00	6,965.13	14,788.01	6,765.16	125.53	127.75	78.84	1,265.33	-6,781.75	1,039.87	787.71	252.16	4.124		
14,900.00	6,961.95	14,888.01	6,762.50	127.18	129.40	78.88	1,264.97	-6,881.71	1,040.25	784.81	255.44	4.072		
15,000.00	6,958.77	14,988.01	6,759.83	128.83	131.05	78.91	1,264.61	-6,981.67	1,040.62	781.90	258.72	4.022		
15,100.00	6,955.59	15,088.01	6,757.17	130.49	132.70	78.94	1,264.25	-7,081.63	1,041.00	778.99	262.00	3.973		
15,200.00	6,952.41	15,188.00	6,754.51	132.14	134.35	78.98	1,263.90	-7,181.59	1,041.37	776.09	265.28	3.926		
15,300.00	6,949.23	15,288.00	6,751.84	133.80	136.00	79.01	1,263.54	-7,281.55	1,041.75	773.18	268.57	3.879		
15,400.00	6,946.05	15,388.00	6,749.18	135.45	137.65	79.04	1,263.18	-7,381.51	1,042.12	770.27	271.85	3.833		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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	
15,500.00	6,942.87	15,488.00	6,746.51	137.11	139.30	79.07	1,262.82	-7,481.47	1,042.50	767.36	275.14	3.789	
15,533.10	6,941.82	15,521.09	6,745.63	137.66	139.85	79.09	1,262.70	-7,514.56	1,042.62	766.40	276.23	3.775 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	2.00	2.00	3.28	3.28	90.45	-1.09	140.04	140.04				
100.00	100.00	102.00	102.00	3.28	3.28	90.45	-1.09	140.04	140.04	132.52	7.53	18.600	
200.00	200.00	202.00	202.00	3.31	3.31	90.45	-1.09	140.04	140.04	132.47	7.57	18.489	
300.00	299.98	299.09	299.07	3.35	3.35	15.58	0.27	141.08	139.42	131.77	7.66	18.202	
400.00	399.84	396.16	396.01	3.42	3.42	14.49	4.26	144.10	137.52	129.74	7.78	17.669	
500.00	499.45	493.10	492.59	3.51	3.51	12.64	10.84	149.10	134.43	126.49	7.95	16.917	
600.00	598.70	589.84	588.64	3.63	3.62	9.92	20.00	156.05	130.35	122.20	8.15	15.995	
700.00	697.47	686.31	683.98	3.78	3.76	6.19	31.71	164.94	125.61	117.21	8.39	14.966	
800.00	796.02	782.50	778.49	3.97	3.93	1.27	45.92	175.72	122.72	114.06	8.67	14.162	
827.24	822.87	808.63	804.07	4.02	3.99	-0.26	50.21	178.98	122.58	113.83	8.75	14.016 CC, ES	
900.00	894.57	878.25	871.93	4.18	4.15	-4.62	62.56	188.36	123.67	114.70	8.97	13.786	
1,000.00	993.12	973.36	964.00	4.41	4.40	-10.93	81.55	202.77	128.99	119.68	9.31	13.862	
1,100.00	1,091.67	1,071.64	1,058.66	4.67	4.70	-17.15	102.60	218.74	137.64	127.91	9.73	14.150	
1,200.00	1,190.22	1,170.19	1,153.58	4.94	5.04	-22.61	123.71	234.77	147.74	137.55	10.19	14.496	
1,300.00	1,288.77	1,268.74	1,248.50	5.22	5.39	-27.34	144.82	250.79	159.02	148.32	10.70	14.868	
1,400.00	1,387.32	1,367.29	1,343.42	5.52	5.77	-31.43	165.93	266.81	171.23	160.01	11.23	15.254	
1,500.00	1,485.87	1,465.84	1,438.34	5.82	6.16	-34.97	187.04	282.83	184.21	172.41	11.80	15.616	
1,600.00	1,584.42	1,564.39	1,533.26	6.14	6.56	-38.04	208.14	298.86	197.79	185.40	12.39	15.963	
1,700.00	1,682.97	1,662.94	1,628.18	6.46	6.98	-40.71	229.25	314.88	211.86	198.85	13.01	16.289	
1,800.00	1,781.52	1,761.49	1,723.10	6.79	7.40	-43.05	250.36	330.90	226.32	212.68	13.64	16.590	
1,900.00	1,880.07	1,860.04	1,818.02	6.96	7.71	-45.10	271.47	346.93	241.12	227.44	13.67	17.634	
2,000.00	1,978.62	1,958.58	1,912.93	7.00	7.85	-46.92	292.58	362.95	256.18	242.36	13.82	18.535	
2,100.00	2,077.17	2,057.13	2,007.85	7.06	7.92	-48.54	313.69	378.97	271.47	257.53	13.94	19.473	
2,200.00	2,175.71	2,155.68	2,102.77	7.13	8.02	-49.98	334.80	395.00	286.95	272.85	14.09	20.359	
2,300.00	2,274.26	2,254.23	2,197.69	7.21	8.14	-51.27	355.91	411.02	302.59	288.31	14.28	21.187	
2,400.00	2,372.81	2,352.78	2,292.61	7.31	8.27	-52.44	377.02	427.04	318.36	303.86	14.50	21.954	
2,500.00	2,471.36	2,451.33	2,387.53	7.43	8.42	-53.50	398.13	443.06	334.25	319.50	14.75	22.660	
2,600.00	2,569.91	2,549.88	2,482.45	7.55	8.59	-54.46	419.24	459.09	350.25	335.22	15.03	23.302	
2,700.00	2,668.46	2,648.43	2,577.37	7.69	8.77	-55.34	440.35	475.11	366.33	350.99	15.34	23.884	
2,800.00	2,767.01	2,746.98	2,672.29	7.84	8.96	-56.14	461.46	491.13	382.49	366.82	15.67	24.407	
2,900.00	2,865.56	2,845.53	2,767.21	8.01	9.17	-56.88	482.57	507.16	398.71	382.68	16.03	24.874	
3,000.00	2,964.11	2,944.08	2,862.13	8.18	9.39	-57.56	503.68	523.18	415.00	398.59	16.41	25.289	
3,100.00	3,062.66	3,042.63	2,957.04	8.36	9.62	-58.19	524.79	539.20	431.34	414.52	16.81	25.655	
3,200.00	3,161.21	3,141.18	3,051.96	8.55	9.87	-58.77	545.90	555.22	447.72	430.49	17.24	25.976	
3,300.00	3,259.76	3,239.73	3,146.88	8.76	10.12	-59.32	567.01	571.25	464.15	446.47	17.68	26.257	
3,400.00	3,358.31	3,338.28	3,241.80	8.96	10.38	-59.82	588.12	587.27	480.62	462.48	18.14	26.502	
3,500.00	3,456.86	3,436.83	3,336.72	9.18	10.65	-60.29	609.23	603.29	497.11	478.50	18.61	26.713	
3,600.00	3,555.41	3,535.38	3,431.64	9.40	10.93	-60.73	630.34	619.32	513.64	494.55	19.10	26.894	
3,700.00	3,653.96	3,633.92	3,526.56	9.63	11.22	-61.15	651.45	635.34	530.20	510.60	19.60	27.049	
3,800.00	3,752.51	3,732.47	3,621.48	9.87	11.51	-61.54	672.56	651.36	546.79	526.67	20.12	27.181	
3,900.00	3,851.06	3,831.02	3,716.40	10.11	11.81	-61.90	693.67	667.38	563.39	542.75	20.64	27.291	
4,000.00	3,949.61	3,929.57	3,811.32	10.36	12.11	-62.25	714.78	683.41	580.02	558.84	21.18	27.383	
4,100.00	4,048.16	4,028.12	3,906.24	10.61	12.42	-62.57	735.89	699.43	596.67	574.94	21.73	27.459	
4,200.00	4,146.71	4,126.67	4,001.16	10.87	12.74	-62.88	757.00	715.45	613.33	591.04	22.29	27.520	
4,300.00	4,245.26	4,225.22	4,096.07	11.13	13.06	-63.17	778.10	731.48	630.01	607.16	22.85	27.569	
4,400.00	4,343.81	4,323.77	4,190.99	11.39	13.38	-63.45	799.21	747.50	646.71	623.28	23.43	27.606	
4,500.00	4,442.36	4,422.32	4,285.91	11.66	13.71	-63.71	820.32	763.52	663.42	639.41	24.01	27.634	
4,600.00	4,540.91	4,520.87	4,380.83	11.94	14.04	-63.96	841.43	779.54	680.14	655.54	24.59	27.654	
4,700.00	4,639.46	4,619.42	4,475.75	12.21	14.38	-64.20	862.54	795.57	696.87	671.69	25.19	27.666	
4,800.00	4,738.01	4,717.97	4,570.67	12.49	14.72	-64.43	883.65	811.59	713.62	687.83	25.79	27.671	
4,900.00	4,836.56	4,816.52	4,665.59	12.77	15.06	-64.65	904.76	827.61	730.38	703.98	26.40	27.671	
5,000.00	4,935.11	4,915.07	4,760.51	13.05	15.40	-64.85	925.87	843.64	747.14	720.14	27.01	27.665	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,100.00	5,033.66	5,013.62	4,855.43	13.34	15.75	-65.05	946.98	859.66	763.92	736.30	27.62	27.656		
5,200.00	5,132.21	5,112.17	4,950.35	13.63	16.10	-65.24	968.09	875.68	780.70	752.46	28.24	27.643		
5,300.00	5,230.76	5,210.72	5,045.27	13.92	16.45	-65.42	989.20	891.71	797.49	768.63	28.87	27.626		
5,400.00	5,329.30	5,309.26	5,140.18	14.21	16.80	-65.59	1,010.31	907.73	814.29	784.80	29.50	27.607		
5,500.00	5,427.85	5,407.81	5,235.10	14.50	17.16	-65.76	1,031.42	923.75	831.10	800.97	30.13	27.586		
5,600.00	5,526.40	5,506.36	5,330.02	14.80	17.52	-65.92	1,052.53	939.77	847.91	817.15	30.76	27.562		
5,700.00	5,624.95	5,604.91	5,424.94	15.10	17.88	-66.08	1,073.64	955.80	864.73	833.33	31.40	27.537		
5,800.00	5,723.50	5,703.46	5,519.86	15.40	18.24	-66.22	1,094.75	971.82	881.55	849.51	32.05	27.510		
5,900.00	5,822.05	5,802.01	5,614.78	15.70	18.60	-66.37	1,115.86	987.84	898.38	865.69	32.69	27.482		
6,000.00	5,920.60	5,900.56	5,709.70	16.00	18.96	-66.50	1,136.97	1,003.87	915.22	881.88	33.34	27.453		
6,100.00	6,019.15	6,000.89	5,804.62	16.31	19.34	-66.64	1,158.08	1,019.89	932.06	898.06	33.99	27.418		
6,200.00	6,117.70	6,102.34	5,899.54	16.61	19.71	-66.76	1,179.19	1,035.91	948.90	914.25	34.66	27.379		
6,300.00	6,216.25	6,203.79	5,994.46	16.92	20.09	-66.89	1,200.30	1,051.93	965.75	930.43	35.32	27.341		
6,400.00	6,314.80	6,305.24	6,089.38	17.22	20.47	-67.01	1,221.41	1,067.96	982.61	946.62	35.99	27.302		
6,500.00	6,413.35	6,393.31	6,184.29	17.53	20.81	-67.12	1,242.52	1,083.98	999.46	962.85	36.61	27.298		
6,600.00	6,512.28	6,508.24	6,279.12	17.79	21.24	-50.42	1,263.61	1,099.99	1,016.68	979.42	37.27	27.281		
6,700.00	6,612.08	6,589.59	6,373.35	17.94	21.54	68.68	1,284.56	1,115.87	1,035.64	997.98	37.65	27.504		
6,800.00	6,710.50	6,707.15	6,487.70	18.03	21.88	84.86	1,310.09	1,123.19	1,055.48	1,017.46	38.03	27.756		
6,900.00	6,805.12	6,830.60	6,606.98	18.06	22.14	88.22	1,336.91	1,107.59	1,074.89	1,036.58	38.31	28.055		
7,000.00	6,893.62	6,959.75	6,726.13	18.06	22.30	89.21	1,363.92	1,066.39	1,093.15	1,054.62	38.53	28.374		
7,100.00	6,973.81	7,093.81	6,838.54	18.03	22.37	89.26	1,389.63	998.51	1,109.58	1,070.87	38.70	28.669		
7,200.00	7,043.73	7,231.31	6,936.80	18.03	22.34	88.80	1,412.39	905.44	1,123.58	1,084.67	38.91	28.875		
7,300.00	7,101.64	7,370.20	7,013.91	18.07	22.23	88.00	1,430.59	791.70	1,134.71	1,095.47	39.24	28.916		
7,400.00	7,146.13	7,508.11	7,064.88	18.19	22.05	86.97	1,443.04	664.45	1,142.70	1,102.94	39.76	28.738		
7,500.00	7,176.09	7,642.80	7,087.74	18.41	21.84	85.79	1,449.25	532.12	1,147.48	1,106.97	40.51	28.326		
7,600.00	7,190.80	7,756.90	7,087.60	18.73	21.71	84.80	1,450.16	418.08	1,149.51	1,108.12	41.39	27.772		
7,700.00	7,190.87	7,856.80	7,084.95	19.15	22.16	84.60	1,450.38	318.21	1,150.68	1,108.32	42.37	27.159		
7,800.00	7,187.69	7,956.79	7,082.29	19.71	22.91	84.63	1,450.61	218.25	1,151.70	1,108.12	43.58	26.430		
7,900.00	7,184.51	8,056.79	7,079.63	20.39	23.74	84.66	1,450.84	118.30	1,152.72	1,107.72	45.00	25.614		
8,000.00	7,181.33	8,156.78	7,076.97	21.17	24.64	84.69	1,451.07	18.34	1,153.74	1,107.11	46.63	24.743		
8,100.00	7,178.15	8,256.77	7,074.32	22.06	25.62	84.72	1,451.30	-81.62	1,154.75	1,106.32	48.43	23.843		
8,200.00	7,174.98	8,356.76	7,071.66	23.03	26.65	84.75	1,451.53	-181.57	1,155.77	1,105.38	50.39	22.934		
8,300.00	7,171.80	8,456.76	7,069.00	24.08	27.74	84.78	1,451.76	-281.53	1,156.79	1,104.29	52.50	22.035		
8,400.00	7,168.62	8,556.75	7,066.34	25.19	28.87	84.81	1,451.99	-381.49	1,157.81	1,103.08	54.73	21.156		
8,500.00	7,165.44	8,656.74	7,063.68	26.36	30.06	84.84	1,452.22	-481.45	1,158.83	1,101.76	57.06	20.307		
8,600.00	7,162.26	8,756.74	7,061.03	27.59	31.28	84.87	1,452.45	-581.40	1,159.85	1,100.35	59.50	19.494		
8,700.00	7,159.08	8,856.73	7,058.37	28.86	32.54	84.90	1,452.68	-681.36	1,160.87	1,098.85	62.02	18.719		
8,800.00	7,155.90	8,956.72	7,055.71	30.16	33.84	84.93	1,452.91	-781.32	1,161.89	1,097.28	64.61	17.983		
8,900.00	7,152.72	9,056.71	7,053.05	31.50	35.16	84.96	1,453.14	-881.28	1,162.91	1,095.64	67.27	17.287		
9,000.00	7,149.54	9,156.71	7,050.40	32.88	36.51	84.99	1,453.37	-981.23	1,163.93	1,093.94	69.99	16.630		
9,100.00	7,146.36	9,256.70	7,047.74	34.28	37.89	85.02	1,453.60	-1,081.19	1,164.95	1,092.19	72.76	16.011		
9,200.00	7,143.18	9,356.69	7,045.08	35.70	39.28	85.05	1,453.83	-1,181.15	1,165.97	1,090.40	75.58	15.428		
9,300.00	7,140.00	9,456.69	7,042.42	37.14	40.70	85.08	1,454.05	-1,281.11	1,166.99	1,088.56	78.43	14.879		
9,400.00	7,136.82	9,556.68	7,039.77	38.60	42.13	85.11	1,454.28	-1,381.06	1,168.02	1,086.69	81.33	14.362		
9,500.00	7,133.64	9,656.67	7,037.11	40.08	43.58	85.14	1,454.51	-1,481.02	1,169.04	1,084.78	84.25	13.875		
9,600.00	7,130.46	9,756.66	7,034.45	41.57	45.05	85.17	1,454.74	-1,580.98	1,170.06	1,082.85	87.21	13.416		
9,700.00	7,127.28	9,856.66	7,031.79	43.08	46.52	85.20	1,454.97	-1,680.93	1,171.09	1,080.89	90.19	12.984		
9,800.00	7,124.10	9,956.65	7,029.14	44.59	48.01	85.23	1,455.20	-1,780.89	1,172.11	1,078.91	93.20	12.576		
9,900.00	7,120.92	10,056.64	7,026.48	46.12	49.51	85.26	1,455.43	-1,880.85	1,173.13	1,076.90	96.23	12.191		
10,000.00	7,117.74	10,156.64	7,023.82	47.66	51.03	85.29	1,455.66	-1,980.81	1,174.16	1,074.87	99.28	11.827		
10,100.00	7,114.57	10,256.63	7,021.16	49.20	52.55	85.32	1,455.89	-2,080.76	1,175.18	1,072.83	102.35	11.482		
10,200.00	7,111.39	10,356.62	7,018.51	50.76	54.08	85.35	1,456.12	-2,180.72	1,176.21	1,070.77	105.43	11.156		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							
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	7,108.21	10,456.62	7,015.85	52.32	55.61	85.38	1,456.35	-2,280.68	1,177.23	1,068.70	108.53	10.847	
10,400.00	7,105.03	10,556.61	7,013.19	53.88	57.16	85.41	1,456.58	-2,380.64	1,178.26	1,066.61	111.65	10.554	
10,500.00	7,101.85	10,656.60	7,010.53	55.46	58.71	85.44	1,456.81	-2,480.59	1,179.28	1,064.51	114.77	10.275	
10,600.00	7,098.67	10,756.59	7,007.88	57.04	60.27	85.47	1,457.04	-2,580.55	1,180.31	1,062.40	117.91	10.010	
10,700.00	7,095.49	10,856.59	7,005.22	58.62	61.83	85.50	1,457.27	-2,680.51	1,181.33	1,060.28	121.06	9.758	
10,800.00	7,092.31	10,956.58	7,002.56	60.21	63.40	85.53	1,457.49	-2,780.46	1,182.36	1,058.15	124.22	9.519	
10,900.00	7,089.13	11,056.57	6,999.90	61.80	64.97	85.56	1,457.72	-2,880.42	1,183.39	1,056.00	127.38	9.290	
11,000.00	7,085.95	11,156.57	6,997.24	63.40	66.55	85.59	1,457.95	-2,980.38	1,184.41	1,053.86	130.56	9.072	
11,100.00	7,082.77	11,256.56	6,994.59	65.00	68.13	85.62	1,458.18	-3,080.34	1,185.44	1,051.70	133.74	8.864	
11,200.00	7,079.59	11,356.55	6,991.93	66.61	69.72	85.64	1,458.41	-3,180.29	1,186.47	1,049.53	136.94	8.664	
11,300.00	7,076.41	11,456.54	6,989.27	68.21	71.31	85.67	1,458.64	-3,280.25	1,187.50	1,047.36	140.13	8.474	
11,400.00	7,073.23	11,556.54	6,986.61	69.82	72.91	85.70	1,458.87	-3,380.21	1,188.53	1,045.19	143.34	8.292	
11,500.00	7,070.05	11,656.53	6,983.96	71.44	74.50	85.73	1,459.10	-3,480.17	1,189.56	1,043.00	146.55	8.117	
11,600.00	7,066.87	11,756.52	6,981.30	73.05	76.10	85.76	1,459.33	-3,580.12	1,190.58	1,040.82	149.77	7.950	
11,700.00	7,063.69	11,856.52	6,978.64	74.67	77.71	85.79	1,459.56	-3,680.08	1,191.61	1,038.62	152.99	7.789	
11,800.00	7,060.51	11,956.51	6,975.98	76.29	79.32	85.82	1,459.79	-3,780.04	1,192.64	1,036.43	156.22	7.635	
11,900.00	7,057.33	12,056.50	6,973.33	77.92	80.92	85.85	1,460.02	-3,880.00	1,193.67	1,034.22	159.45	7.486	
12,000.00	7,054.15	12,156.49	6,970.67	79.54	82.54	85.88	1,460.25	-3,979.95	1,194.70	1,032.02	162.69	7.344	
12,100.00	7,050.98	12,256.49	6,968.01	81.17	84.15	85.90	1,460.48	-4,079.91	1,195.73	1,029.81	165.93	7.206	
12,200.00	7,047.80	12,356.48	6,965.35	82.80	85.77	85.93	1,460.71	-4,179.87	1,196.76	1,027.59	169.17	7.074	
12,300.00	7,044.62	12,456.47	6,962.70	84.43	87.38	85.96	1,460.93	-4,279.82	1,197.80	1,025.38	172.42	6.947	
12,400.00	7,041.44	12,556.47	6,960.04	86.06	89.00	85.99	1,461.16	-4,379.78	1,198.83	1,023.16	175.67	6.824	
12,500.00	7,038.26	12,656.46	6,957.38	87.69	90.63	86.02	1,461.39	-4,479.74	1,199.86	1,020.93	178.93	6.706	
12,600.00	7,035.08	12,756.45	6,954.72	89.33	92.25	86.05	1,461.62	-4,579.70	1,200.89	1,018.71	182.18	6.592	
12,700.00	7,031.90	12,856.45	6,952.07	90.96	93.87	86.07	1,461.85	-4,679.65	1,201.92	1,016.48	185.44	6.481	
12,800.00	7,028.72	12,956.44	6,949.41	92.60	95.50	86.10	1,462.08	-4,779.61	1,202.96	1,014.25	188.71	6.375	
12,900.00	7,025.54	13,056.43	6,946.75	94.24	97.13	86.13	1,462.31	-4,879.57	1,203.99	1,012.01	191.98	6.272	
13,000.00	7,022.36	13,156.42	6,944.09	95.88	98.76	86.16	1,462.54	-4,979.53	1,205.02	1,009.78	195.24	6.172	
13,100.00	7,019.18	13,256.42	6,941.44	97.52	100.39	86.19	1,462.77	-5,079.48	1,206.06	1,007.54	198.52	6.075	
13,200.00	7,016.00	13,356.41	6,938.78	99.16	102.02	86.22	1,463.00	-5,179.44	1,207.09	1,005.30	201.79	5.982	
13,300.00	7,012.82	13,456.40	6,936.12	100.80	103.66	86.24	1,463.23	-5,279.40	1,208.12	1,003.06	205.07	5.891	
13,400.00	7,009.64	13,556.40	6,933.46	102.44	105.29	86.27	1,463.46	-5,379.36	1,209.16	1,000.81	208.35	5.804	
13,500.00	7,006.46	13,656.39	6,930.81	104.09	106.93	86.30	1,463.69	-5,479.31	1,210.19	998.57	211.63	5.719	
13,600.00	7,003.28	13,756.38	6,928.15	105.73	108.57	86.33	1,463.92	-5,579.27	1,211.23	996.32	214.91	5.636	
13,700.00	7,000.10	13,856.37	6,925.49	107.38	110.20	86.36	1,464.15	-5,679.23	1,212.26	994.07	218.19	5.556	
13,800.00	6,996.92	13,956.37	6,922.83	109.03	111.84	86.38	1,464.38	-5,779.18	1,213.30	991.82	221.48	5.478	
13,900.00	6,993.74	14,056.36	6,920.17	110.67	113.48	86.41	1,464.60	-5,879.14	1,214.33	989.57	224.77	5.403	
14,000.00	6,990.57	14,156.35	6,917.52	112.32	115.13	86.44	1,464.83	-5,979.10	1,215.37	987.31	228.06	5.329	
14,100.00	6,987.39	14,256.35	6,914.86	113.97	116.77	86.47	1,465.06	-6,079.06	1,216.41	985.06	231.35	5.258	
14,200.00	6,984.21	14,356.34	6,912.20	115.62	118.41	86.49	1,465.29	-6,179.01	1,217.44	982.80	234.64	5.189	
14,300.00	6,981.03	14,456.33	6,909.54	117.27	120.05	86.52	1,465.52	-6,278.97	1,218.48	980.55	237.93	5.121	
14,400.00	6,977.85	14,556.32	6,906.89	118.92	121.70	86.55	1,465.75	-6,378.93	1,219.52	978.29	241.23	5.055	
14,500.00	6,974.67	14,656.32	6,904.23	120.57	123.34	86.58	1,465.98	-6,478.89	1,220.55	976.03	244.52	4.992	
14,600.00	6,971.49	14,756.31	6,901.57	122.22	124.99	86.60	1,466.21	-6,578.84	1,221.59	973.77	247.82	4.929	
14,700.00	6,968.31	14,856.30	6,898.91	123.87	126.64	86.63	1,466.44	-6,678.80	1,222.63	971.51	251.12	4.869	
14,800.00	6,965.13	14,956.30	6,896.26	125.53	128.28	86.66	1,466.67	-6,778.76	1,223.67	969.25	254.42	4.810	
14,900.00	6,961.95	15,056.29	6,893.60	127.18	129.93	86.69	1,466.90	-6,878.72	1,224.71	966.98	257.72	4.752	
15,000.00	6,958.77	15,156.28	6,890.94	128.83	131.58	86.71	1,467.13	-6,978.67	1,225.75	964.72	261.02	4.696	
15,100.00	6,955.59	15,256.28	6,888.28	130.49	133.23	86.74	1,467.36	-7,078.63	1,226.79	962.46	264.33	4.641	
15,200.00	6,952.41	15,356.27	6,885.63	132.14	134.88	86.77	1,467.59	-7,178.59	1,227.82	960.19	267.63	4.588	
15,300.00	6,949.23	15,456.26	6,882.97	133.80	136.53	86.79	1,467.82	-7,278.54	1,228.86	957.93	270.94	4.536	
15,400.00	6,946.05	15,556.25	6,880.31	135.45	138.18	86.82	1,468.04	-7,378.50	1,229.90	955.66	274.24	4.485	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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							
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	6,942.87	15,656.25	6,877.65	137.11	139.83	86.85	1,468.27	-7,478.46	1,230.94	953.39	277.55	4.435	
15,533.10	6,941.82	15,689.34	6,876.77	137.66	140.38	86.86	1,468.35	-7,511.54	1,231.29	952.64	278.65	4.419 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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: 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	299.98	299.68	299.68	3.35	3.35	17.57	-0.21	20.45	18.78	11.12	7.66	2.452	
400.00	399.84	399.10	399.03	3.42	3.41	18.36	1.01	23.67	16.99	9.21	7.78	2.183	
500.00	499.45	498.57	498.26	3.51	3.50	18.24	3.46	30.12	15.06	7.13	7.94	1.898	
600.00	598.70	598.10	597.24	3.63	3.62	16.80	7.13	39.79	13.01	4.88	8.13	1.600	
700.00	697.47	697.68	695.86	3.78	3.76	13.22	12.03	52.68	10.89	2.53	8.36	1.303	Level 3
747.58	744.36	752.92	742.62	3.86	3.85	9.79	14.78	59.94	10.43	1.94	8.49	1.229	Level 2, CC
800.00	796.02	802.51	794.23	3.97	3.94	5.13	18.00	68.43	10.48	1.83	8.65	1.212	Level 2
900.00	894.57	897.47	892.71	4.18	4.14	-3.53	24.16	84.63	10.75	1.77	8.98	1.197	Level 2
1,000.00	993.12	1,002.54	991.18	4.41	4.38	-11.58	30.31	100.83	11.25	1.87	9.38	1.199	Level 2
1,100.00	1,091.67	1,102.55	1,089.65	4.67	4.63	-18.82	36.46	117.03	11.96	2.13	9.83	1.216	Level 2
1,200.00	1,190.22	1,202.57	1,188.13	4.94	4.90	-25.16	42.61	133.23	12.83	2.50	10.33	1.242	Level 2
1,300.00	1,288.77	1,302.58	1,286.60	5.22	5.18	-30.64	48.76	149.43	13.84	2.97	10.86	1.274	Level 3
1,400.00	1,387.32	1,402.59	1,385.08	5.52	5.48	-35.34	54.91	165.63	14.95	3.52	11.44	1.307	Level 3
1,500.00	1,485.87	1,502.61	1,483.55	5.82	5.78	-39.36	61.06	181.83	16.16	4.12	12.04	1.342	Level 3
1,600.00	1,584.42	1,602.62	1,582.02	6.14	6.10	-42.81	67.21	198.03	17.43	4.76	12.67	1.376	Level 3
1,700.00	1,682.97	1,702.63	1,680.50	6.46	6.42	-45.78	73.36	214.23	18.76	5.45	13.31	1.409	Level 3
1,800.00	1,781.52	1,802.65	1,778.97	6.79	6.74	-48.36	79.51	230.43	20.13	6.16	13.96	1.441	Level 3
1,900.00	1,880.07	1,902.66	1,877.44	6.96	6.92	-50.60	85.66	246.63	21.53	7.58	13.96	1.543	
2,000.00	1,978.62	1,997.33	1,975.92	7.00	6.95	-52.56	91.81	262.83	22.97	8.91	14.06	1.633	
2,100.00	2,077.17	2,102.69	2,074.39	7.06	7.01	-54.29	97.96	279.03	24.43	10.23	14.20	1.720	
2,200.00	2,175.71	2,197.30	2,172.87	7.13	7.08	-55.83	104.11	295.23	25.90	11.54	14.36	1.804	
2,300.00	2,274.26	2,302.71	2,271.34	7.21	7.17	-57.20	110.26	311.43	27.40	12.84	14.56	1.882	
2,400.00	2,372.81	2,402.73	2,369.81	7.31	7.27	-58.42	116.41	327.63	28.91	14.13	14.78	1.956	
2,500.00	2,471.36	2,497.26	2,468.29	7.43	7.38	-59.53	122.56	343.83	30.43	15.41	15.02	2.026	
2,600.00	2,569.91	2,602.75	2,566.76	7.55	7.52	-60.53	128.71	360.03	31.96	16.66	15.30	2.090	
2,700.00	2,668.46	2,697.24	2,665.24	7.69	7.65	-61.43	134.86	376.23	33.50	17.92	15.58	2.150	
2,800.00	2,767.01	2,802.78	2,763.71	7.84	7.81	-62.26	141.02	392.43	35.05	19.14	15.91	2.203	
2,900.00	2,865.56	2,902.79	2,862.18	8.01	7.98	-63.02	147.17	408.63	36.60	20.35	16.25	2.252	
3,000.00	2,964.11	3,002.80	2,960.66	8.18	8.15	-63.71	153.32	424.82	38.16	21.55	16.61	2.297	
3,100.00	3,062.66	3,102.82	3,059.13	8.36	8.34	-64.35	159.47	441.02	39.73	22.74	16.99	2.338	
3,200.00	3,161.21	3,202.83	3,157.60	8.55	8.53	-64.95	165.62	457.22	41.30	23.91	17.39	2.375	
3,300.00	3,259.76	3,302.84	3,256.08	8.76	8.74	-65.50	171.77	473.42	42.87	25.07	17.80	2.408	
3,400.00	3,358.31	3,402.86	3,354.55	8.96	8.95	-66.01	177.92	489.62	44.45	26.21	18.23	2.438	
3,500.00	3,456.86	3,502.87	3,453.03	9.18	9.17	-66.48	184.07	505.82	46.03	27.35	18.68	2.464	
3,600.00	3,555.41	3,597.12	3,551.50	9.40	9.38	-66.92	190.22	522.02	47.61	28.49	19.12	2.490	
3,700.00	3,653.96	3,702.90	3,649.97	9.63	9.63	-67.34	196.37	538.22	49.20	29.59	19.61	2.509	
3,800.00	3,752.51	3,802.91	3,748.45	9.87	9.86	-67.73	202.52	554.42	50.79	30.70	20.09	2.528	
3,900.00	3,851.06	3,902.92	3,846.92	10.11	10.11	-68.09	208.67	570.62	52.38	31.79	20.58	2.545	
4,000.00	3,949.61	3,997.06	3,945.40	10.36	10.34	-68.44	214.82	586.82	53.97	32.90	21.07	2.561	
4,100.00	4,048.16	4,102.95	4,043.87	10.61	10.61	-68.76	220.97	603.02	55.57	33.97	21.60	2.572	
4,200.00	4,146.71	4,202.96	4,142.34	10.87	10.87	-69.06	227.12	619.22	57.16	35.04	22.12	2.584	
4,300.00	4,245.26	4,302.98	4,240.82	11.13	11.14	-69.35	233.27	635.42	58.76	36.11	22.65	2.594	
4,400.00	4,343.81	4,402.99	4,339.29	11.39	11.40	-69.63	239.42	651.62	60.36	37.17	23.19	2.603	
4,500.00	4,442.36	4,503.00	4,437.76	11.66	11.67	-69.89	245.57	667.82	61.96	38.22	23.74	2.610	
4,600.00	4,540.91	4,603.02	4,536.24	11.94	11.95	-70.13	251.73	684.02	63.56	39.28	24.29	2.617	
4,700.00	4,639.46	4,703.03	4,634.71	12.21	12.22	-70.37	257.88	700.22	65.17	40.32	24.85	2.623	
4,800.00	4,738.01	4,803.04	4,733.19	12.49	12.51	-70.59	264.03	716.42	66.77	41.36	25.41	2.628	
4,900.00	4,836.56	4,903.06	4,831.66	12.77	12.79	-70.80	270.18	732.62	68.38	42.40	25.98	2.632	
5,000.00	4,935.11	5,003.07	4,930.13	13.05	13.07	-71.01	276.33	748.82	69.98	43.43	26.55	2.636	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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						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	5,033.66	5,103.08	5,028.61	13.34	13.36	-71.20	282.48	765.02	71.59	44.46	27.13	2.639		
5,200.00	5,132.21	5,203.09	5,127.08	13.63	13.65	-71.39	288.63	781.22	73.20	45.48	27.71	2.641		
5,300.00	5,230.76	5,303.11	5,225.56	13.92	13.95	-71.56	294.78	797.42	74.80	46.50	28.30	2.643		
5,400.00	5,329.30	5,403.12	5,324.03	14.21	14.24	-71.73	300.93	813.62	76.41	47.52	28.89	2.645		
5,500.00	5,427.85	5,503.13	5,422.50	14.50	14.54	-71.90	307.08	829.82	78.02	48.54	29.49	2.646		
5,600.00	5,526.40	5,603.15	5,520.98	14.80	14.83	-72.05	313.23	846.02	79.63	49.55	30.08	2.647		
5,700.00	5,624.95	5,703.16	5,619.45	15.10	15.13	-72.20	319.38	862.22	81.24	50.56	30.68	2.648		
5,800.00	5,723.50	5,803.17	5,717.92	15.40	15.44	-72.35	325.53	878.42	82.86	51.57	31.29	2.648		
5,900.00	5,822.05	5,903.19	5,816.40	15.70	15.74	-72.49	331.68	894.62	84.47	52.57	31.90	2.648		
6,000.00	5,920.60	6,003.20	5,914.87	16.00	16.04	-72.62	337.83	910.82	86.08	53.57	32.51	2.648		
6,100.00	6,019.15	6,103.21	6,013.35	16.31	16.35	-72.75	343.98	927.02	87.69	54.57	33.12	2.648		
6,200.00	6,117.70	6,203.23	6,111.82	16.61	16.66	-72.87	350.13	943.22	89.31	55.57	33.73	2.647		
6,300.00	6,216.25	6,296.76	6,210.29	16.92	16.94	-72.99	356.28	959.42	90.92	56.59	34.33	2.648		
6,400.00	6,314.80	6,396.75	6,308.77	17.22	17.25	-73.11	362.43	975.62	92.53	57.59	34.95	2.648		
6,500.00	6,413.35	6,503.27	6,407.24	17.53	17.58	-73.22	368.59	991.82	94.15	58.56	35.59	2.645		
6,600.00	6,512.28	6,603.37	6,505.63	17.79	17.90	-54.10	374.73	1,008.01	95.87	59.76	36.12	2.654		
6,700.00	6,612.08	6,696.46	6,604.17	17.94	18.16	74.49	380.89	1,022.57	99.53	63.28	36.25	2.746		
6,800.00	6,710.50	6,799.44	6,706.83	18.03	18.34	100.00	387.37	1,023.65	106.26	70.18	36.08	2.945		
6,900.00	6,805.12	6,905.58	6,811.38	18.06	18.45	111.31	394.04	1,007.40	115.11	79.41	35.70	3.224		
7,000.00	6,893.62	7,014.95	6,914.75	18.06	18.49	118.79	400.71	972.72	125.04	89.92	35.12	3.560		
7,100.00	6,973.81	7,127.54	7,013.36	18.03	18.49	124.03	407.15	919.07	135.03	100.64	34.39	3.927		
7,200.00	7,043.73	7,243.13	7,103.16	18.03	18.46	127.66	413.12	846.80	144.22	110.59	33.63	4.289		
7,300.00	7,101.64	7,361.33	7,179.97	18.07	18.47	130.01	418.34	757.33	151.89	118.86	33.03	4.598		
7,400.00	7,146.13	7,481.54	7,239.81	18.19	18.56	131.29	422.55	653.37	157.50	124.68	32.82	4.799		
7,500.00	7,176.09	7,602.98	7,279.40	18.41	18.79	131.62	425.52	538.80	160.69	127.56	33.13	4.850		
7,600.00	7,190.80	7,724.75	7,296.61	18.73	19.17	131.08	427.10	418.44	161.31	127.31	33.99	4.745		
7,686.83	7,193.00	7,820.20	7,295.59	19.10	19.59	129.96	427.43	323.03	159.77	124.87	34.90	4.578		
7,700.00	7,190.87	7,833.42	7,295.19	19.15	19.66	130.37	427.46	309.81	161.06	126.12	34.94	4.610		
7,800.00	7,187.69	7,933.42	7,292.15	19.71	20.23	130.17	427.68	209.86	161.95	126.11	35.85	4.518		
7,900.00	7,184.51	8,033.41	7,289.11	20.39	20.93	129.96	427.90	109.91	162.85	125.90	36.95	4.407		
8,000.00	7,181.33	8,133.41	7,286.06	21.17	21.73	129.76	428.12	9.97	163.76	125.52	38.24	4.283		
8,100.00	7,178.15	8,233.40	7,283.02	22.06	22.63	129.56	428.34	-89.98	164.66	124.98	39.69	4.149		
8,200.00	7,174.98	8,333.40	7,279.98	23.03	23.61	129.37	428.56	-189.93	165.57	124.28	41.29	4.010		
8,300.00	7,171.80	8,433.39	7,276.94	24.08	24.66	129.17	428.78	-289.88	166.48	123.46	43.02	3.870		
8,400.00	7,168.62	8,533.38	7,273.90	25.19	25.78	128.98	429.00	-389.82	167.39	122.51	44.88	3.730		
8,500.00	7,165.44	8,633.38	7,270.86	26.36	26.95	128.79	429.22	-489.77	168.30	121.46	46.84	3.593		
8,600.00	7,162.26	8,733.37	7,267.81	27.59	28.17	128.60	429.44	-589.72	169.21	120.32	48.90	3.461		
8,700.00	7,159.08	8,833.37	7,264.77	28.86	29.44	128.41	429.66	-689.67	170.13	119.09	51.04	3.333		
8,800.00	7,155.90	8,933.36	7,261.73	30.16	30.75	128.23	429.88	-789.62	171.05	117.79	53.26	3.212		
8,900.00	7,152.72	9,033.36	7,258.69	31.50	32.09	128.04	430.10	-889.56	171.97	116.42	55.55	3.096		
9,000.00	7,149.54	9,133.35	7,255.65	32.88	33.46	127.86	430.32	-989.51	172.89	115.00	57.89	2.986		
9,100.00	7,146.36	9,233.34	7,252.61	34.28	34.86	127.68	430.54	-1,089.46	173.81	113.52	60.30	2.883		
9,200.00	7,143.18	9,333.34	7,249.56	35.70	36.27	127.51	430.76	-1,189.41	174.74	111.99	62.75	2.785		
9,300.00	7,140.00	9,433.33	7,246.52	37.14	37.71	127.33	430.98	-1,289.35	175.66	110.42	65.25	2.692		
9,400.00	7,136.82	9,533.33	7,243.48	38.60	39.17	127.16	431.20	-1,389.30	176.59	108.81	67.79	2.605		
9,500.00	7,133.64	9,633.32	7,240.44	40.08	40.65	126.99	431.42	-1,489.25	177.52	107.16	70.36	2.523		
9,600.00	7,130.46	9,733.32	7,237.40	41.57	42.14	126.82	431.64	-1,589.20	178.45	105.48	72.97	2.446		
9,700.00	7,127.28	9,833.31	7,234.36	43.08	43.64	126.65	431.86	-1,689.15	179.39	103.78	75.61	2.373		
9,800.00	7,124.10	9,933.30	7,231.31	44.59	45.15	126.48	432.08	-1,789.09	180.32	102.04	78.28	2.304		
9,900.00	7,120.92	10,033.30	7,228.27	46.12	46.68	126.32	432.30	-1,889.04	181.26	100.28	80.97	2.238		
10,000.00	7,117.74	10,133.29	7,225.23	47.66	48.21	126.16	432.52	-1,988.99	182.19	98.50	83.69	2.177		
10,100.00	7,114.57	10,233.29	7,222.19	49.20	49.76	125.99	432.74	-2,088.94	183.13	96.70	86.43	2.119		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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
10,200.00	7,111.39	10,333.28	7,219.15	50.76	51.31	125.83	432.96	-2,188.88	184.07	94.88	89.20	2.064	
10,300.00	7,108.21	10,433.28	7,216.11	52.32	52.87	125.68	433.18	-2,288.83	185.01	93.04	91.98	2.012	
10,400.00	7,105.03	10,533.27	7,213.06	53.88	54.43	125.52	433.40	-2,388.78	185.96	91.18	94.78	1.962	
10,500.00	7,101.85	10,633.26	7,210.02	55.46	56.01	125.37	433.62	-2,488.73	186.90	89.31	97.59	1.915	
10,600.00	7,098.67	10,733.26	7,206.98	57.04	57.58	125.21	433.84	-2,588.68	187.85	87.42	100.43	1.870	
10,700.00	7,095.49	10,833.25	7,203.94	58.62	59.17	125.06	434.06	-2,688.62	188.79	85.52	103.28	1.828	
10,800.00	7,092.31	10,933.25	7,200.90	60.21	60.75	124.91	434.28	-2,788.57	189.74	83.60	106.14	1.788	
10,900.00	7,089.13	11,033.24	7,197.86	61.80	62.35	124.76	434.50	-2,888.52	190.69	81.68	109.02	1.749	
11,000.00	7,085.95	11,133.24	7,194.81	63.40	63.94	124.62	434.72	-2,988.47	191.64	79.74	111.90	1.713	
11,100.00	7,082.77	11,233.23	7,191.77	65.00	65.54	124.47	434.94	-3,088.41	192.60	77.79	114.81	1.678	
11,200.00	7,079.59	11,333.22	7,188.73	66.61	67.14	124.33	435.16	-3,188.36	193.55	75.83	117.72	1.644	
11,300.00	7,076.41	11,433.22	7,185.69	68.21	68.75	124.18	435.38	-3,288.31	194.50	73.86	120.64	1.612	
11,400.00	7,073.23	11,533.21	7,182.65	69.82	70.36	124.04	435.60	-3,388.26	195.46	71.88	123.58	1.582	
11,500.00	7,070.05	11,633.21	7,179.61	71.44	71.97	123.90	435.82	-3,488.21	196.42	69.90	126.52	1.552	
11,600.00	7,066.87	11,733.20	7,176.56	73.05	73.59	123.76	436.04	-3,588.15	197.37	67.90	129.48	1.524	
11,700.00	7,063.69	11,833.20	7,173.52	74.67	75.21	123.63	436.26	-3,688.10	198.33	65.90	132.44	1.498 Level 3	
11,800.00	7,060.51	11,933.19	7,170.48	76.29	76.83	123.49	436.48	-3,788.05	199.29	63.88	135.41	1.472 Level 3	
11,900.00	7,057.33	12,033.18	7,167.44	77.92	78.45	123.35	436.70	-3,888.00	200.26	61.87	138.39	1.447 Level 3	
12,000.00	7,054.15	12,133.18	7,164.40	79.54	80.07	123.22	436.92	-3,987.94	201.22	59.84	141.38	1.423 Level 3	
12,100.00	7,050.98	12,233.17	7,161.36	81.17	81.70	123.09	437.14	-4,087.89	202.18	57.81	144.38	1.400 Level 3	
12,200.00	7,047.80	12,333.17	7,158.31	82.80	83.33	122.96	437.36	-4,187.84	203.15	55.77	147.38	1.378 Level 3	
12,300.00	7,044.62	12,433.16	7,155.27	84.43	84.96	122.83	437.58	-4,287.79	204.11	53.72	150.39	1.357 Level 3	
12,400.00	7,041.44	12,533.16	7,152.23	86.06	86.59	122.70	437.80	-4,387.74	205.08	51.67	153.41	1.337 Level 3	
12,500.00	7,038.26	12,633.15	7,149.19	87.69	88.22	122.57	438.02	-4,487.68	206.05	49.61	156.43	1.317 Level 3	
12,600.00	7,035.08	12,733.14	7,146.15	89.33	89.85	122.45	438.24	-4,587.63	207.02	47.55	159.46	1.298 Level 3	
12,700.00	7,031.90	12,833.14	7,143.11	90.96	91.49	122.32	438.46	-4,687.58	207.99	45.48	162.50	1.280 Level 3	
12,800.00	7,028.72	12,933.13	7,140.06	92.60	93.13	122.20	438.68	-4,787.53	208.96	43.41	165.55	1.262 Level 3	
12,900.00	7,025.54	13,033.13	7,137.02	94.24	94.77	122.08	438.90	-4,887.47	209.93	41.33	168.59	1.245 Level 2	
13,000.00	7,022.36	13,133.12	7,133.98	95.88	96.41	121.95	439.12	-4,987.42	210.90	39.25	171.65	1.229 Level 2	
13,100.00	7,019.18	13,233.12	7,130.94	97.52	98.05	121.83	439.34	-5,087.37	211.88	37.17	174.71	1.213 Level 2	
13,200.00	7,016.00	13,333.11	7,127.90	99.16	99.69	121.71	439.56	-5,187.32	212.85	35.07	177.78	1.197 Level 2	
13,300.00	7,012.82	13,433.10	7,124.86	100.80	101.33	121.60	439.78	-5,287.27	213.83	32.98	180.85	1.182 Level 2	
13,400.00	7,009.64	13,533.10	7,121.81	102.44	102.97	121.48	440.00	-5,387.21	214.80	30.88	183.92	1.168 Level 2	
13,500.00	7,006.46	13,633.09	7,118.77	104.09	104.62	121.36	440.22	-5,487.16	215.78	28.77	187.00	1.154 Level 2	
13,600.00	7,003.28	13,733.09	7,115.73	105.73	106.26	121.25	440.44	-5,587.11	216.76	26.67	190.09	1.140 Level 2	
13,700.00	7,000.10	13,833.08	7,112.69	107.38	107.91	121.13	440.66	-5,687.06	217.74	24.56	193.18	1.127 Level 2	
13,800.00	6,996.92	13,933.08	7,109.65	109.03	109.56	121.02	440.88	-5,787.00	218.72	22.44	196.28	1.114 Level 2	
13,900.00	6,993.74	14,033.07	7,106.61	110.67	111.20	120.91	441.10	-5,886.95	219.70	20.32	199.38	1.102 Level 2	
14,000.00	6,990.57	14,133.06	7,103.56	112.32	112.85	120.80	441.32	-5,986.90	220.68	18.20	202.48	1.090 Level 2	
14,100.00	6,987.39	14,233.06	7,100.52	113.97	114.50	120.69	441.54	-6,086.85	221.66	16.07	205.59	1.078 Level 2	
14,200.00	6,984.21	14,333.05	7,097.48	115.62	116.15	120.58	441.76	-6,186.79	222.65	13.95	208.70	1.067 Level 2	
14,300.00	6,981.03	14,433.05	7,094.44	117.27	117.80	120.47	441.98	-6,286.74	223.63	11.81	211.81	1.056 Level 2	
14,400.00	6,977.85	14,533.04	7,091.40	118.92	119.45	120.36	442.20	-6,386.69	224.61	9.68	214.93	1.045 Level 2	
14,500.00	6,974.67	14,633.04	7,088.36	120.57	121.10	120.26	442.42	-6,486.64	225.60	7.54	218.06	1.035 Level 2	
14,600.00	6,971.49	14,733.03	7,085.31	122.22	122.75	120.15	442.64	-6,586.59	226.59	5.40	221.18	1.024 Level 2	
14,700.00	6,968.31	14,833.02	7,082.27	123.87	124.41	120.05	442.86	-6,686.53	227.57	3.26	224.31	1.015 Level 2	
14,800.00	6,965.13	14,933.02	7,079.23	125.53	126.06	119.95	443.08	-6,786.48	228.56	1.11	227.45	1.005 Level 2	
14,900.00	6,961.95	15,033.01	7,076.19	127.18	127.71	119.84	443.30	-6,886.43	229.55	-1.04	230.59	0.996 Level 1	
15,000.00	6,958.77	15,133.01	7,073.15	128.83	129.37	119.74	443.52	-6,986.38	230.54	-3.19	233.73	0.986 Level 1	
15,100.00	6,955.59	15,233.00	7,070.11	130.49	131.02	119.64	443.74	-7,086.32	231.53	-5.34	236.87	0.977 Level 1	
15,200.00	6,952.41	15,333.00	7,067.06	132.14	132.68	119.54	443.96	-7,186.27	232.52	-7.50	240.02	0.969 Level 1	
15,300.00	6,949.23	15,432.99	7,064.02	133.80	134.33	119.44	444.18	-7,286.22	233.51	-9.66	243.17	0.960 Level 1	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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							
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	6,946.05	15,532.98	7,060.98	135.45	135.99	119.34	444.40	-7,386.17	234.50	-11.82	246.32	0.952	Level 1
15,500.00	6,942.87	15,632.98	7,057.94	137.11	137.64	119.25	444.62	-7,486.12	235.50	-13.98	249.48	0.944	Level 1
15,533.10	6,941.82	15,666.07	7,056.93	137.66	138.19	119.21	444.70	-7,519.20	235.82	-14.70	250.52	0.941	Level 1, ES, SF

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	0.00	0.00	3.28	3.28	-90.00	0.00	-20.05	20.05				
100.00	100.00	100.00	100.00	3.28	3.28	-90.00	0.00	-20.05	20.05	12.52	7.53	2.662	
200.00	200.00	200.00	200.00	3.31	3.31	-90.00	0.00	-20.05	20.05	12.47	7.57	2.647 CC	
300.00	299.98	300.02	299.98	3.35	3.35	-165.72	0.00	-20.05	21.73	14.07	7.66	2.836	
400.00	399.84	400.16	399.84	3.42	3.42	-168.46	0.00	-20.05	26.84	19.04	7.80	3.442	
500.00	499.45	500.55	499.45	3.51	3.50	-171.25	0.00	-20.05	35.42	27.44	7.97	4.441	
600.00	598.70	601.30	598.70	3.63	3.61	-173.46	0.00	-20.05	47.50	39.30	8.20	5.795	
700.00	697.47	702.53	697.47	3.78	3.74	-175.05	0.00	-20.05	63.04	54.58	8.47	7.447	
800.00	796.02	796.02	796.02	3.97	3.87	-176.10	0.00	-20.05	79.97	71.22	8.74	9.146	
900.00	894.57	897.80	897.78	4.18	4.01	-176.96	0.10	-18.38	95.31	86.26	9.04	10.537	
1,000.00	993.12	1,000.67	1,000.50	4.41	4.17	-177.92	0.41	-13.03	107.18	97.82	9.37	11.444	
1,100.00	1,091.67	1,104.26	1,103.69	4.67	4.34	-179.03	0.94	-3.93	115.56	105.84	9.71	11.898	
1,200.00	1,190.22	1,208.31	1,206.93	4.94	4.54	179.64	1.70	8.95	120.43	110.35	10.08	11.944	
1,300.00	1,288.77	1,312.54	1,309.81	5.22	4.77	177.99	2.67	25.60	121.84	111.36	10.48	11.627	
1,400.00	1,387.32	1,413.83	1,409.30	5.52	5.02	176.07	3.78	44.57	120.64	109.71	10.92	11.045	
1,500.00	1,485.87	1,513.74	1,507.40	5.82	5.28	174.11	4.89	63.46	119.39	107.99	11.40	10.473	
1,600.00	1,584.42	1,613.64	1,605.50	6.14	5.56	172.11	5.99	82.35	118.29	106.39	11.90	9.938	
1,700.00	1,682.97	1,713.55	1,703.60	6.46	5.86	170.08	7.10	101.25	117.34	104.91	12.43	9.440	
1,800.00	1,781.52	1,813.46	1,801.69	6.79	6.15	168.01	8.21	120.14	116.54	103.75	12.79	9.111	
1,900.00	1,880.07	1,913.37	1,899.79	6.96	6.30	165.92	9.31	139.04	115.89	103.02	12.87	9.003	
2,000.00	1,978.62	2,013.27	1,997.89	7.00	6.34	163.81	10.42	157.93	115.39	102.44	12.95	8.911	
2,100.00	2,077.17	2,113.18	2,095.99	7.06	6.40	161.69	11.52	176.82	115.06	101.99	13.06	8.807	
2,200.00	2,175.71	2,213.09	2,194.09	7.13	6.48	159.55	12.63	195.72	114.88	101.66	13.22	8.691	
2,259.81	2,234.66	2,272.84	2,252.76	7.18	6.53	158.27	13.29	207.02	114.85	101.52	13.33	8.615	
2,300.00	2,274.26	2,313.00	2,292.19	7.21	6.57	157.41	13.74	214.61	114.87	101.46	13.41	8.565	
2,400.00	2,372.81	2,412.91	2,390.29	7.31	6.69	155.28	14.84	233.51	115.01	101.37	13.64	8.432	
2,500.00	2,471.36	2,512.81	2,488.39	7.43	6.82	153.15	15.95	252.40	115.32	101.41	13.90	8.294	
2,600.00	2,569.91	2,612.72	2,586.48	7.55	6.96	151.04	17.05	271.30	115.78	101.58	14.20	8.153	
2,700.00	2,668.46	2,712.63	2,684.58	7.69	7.12	148.94	18.16	290.19	116.40	101.87	14.53	8.011	
2,800.00	2,767.01	2,812.54	2,782.68	7.84	7.29	146.87	19.27	309.08	117.17	102.28	14.89	7.871	
2,900.00	2,865.56	2,912.45	2,880.78	8.01	7.48	144.83	20.37	327.98	118.09	102.82	15.27	7.733	
3,000.00	2,964.11	3,012.35	2,978.88	8.18	7.68	142.83	21.48	346.87	119.17	103.48	15.68	7.599	
3,100.00	3,062.66	3,112.26	3,076.98	8.36	7.89	140.86	22.58	365.77	120.38	104.27	16.12	7.470	
3,200.00	3,161.21	3,212.17	3,175.08	8.55	8.11	138.93	23.69	384.66	121.74	105.17	16.57	7.347	
3,300.00	3,259.76	3,312.08	3,273.18	8.76	8.33	137.05	24.80	403.55	123.23	106.18	17.04	7.231	
3,400.00	3,358.31	3,411.98	3,371.28	8.96	8.57	135.21	25.90	422.45	124.84	107.31	17.53	7.121	
3,500.00	3,456.86	3,511.89	3,469.37	9.18	8.81	133.43	27.01	441.34	126.59	108.55	18.04	7.019	
3,600.00	3,555.41	3,611.80	3,567.47	9.40	9.07	131.69	28.11	460.24	128.45	109.90	18.55	6.923	
3,700.00	3,653.96	3,711.71	3,665.57	9.63	9.32	130.01	29.22	479.13	130.43	111.35	19.08	6.834	
3,800.00	3,752.51	3,811.62	3,763.67	9.87	9.59	128.37	30.32	498.02	132.52	112.89	19.63	6.752	
3,900.00	3,851.06	3,911.52	3,861.77	10.11	9.86	126.79	31.43	516.92	134.71	114.53	20.18	6.677	
4,000.00	3,949.61	4,011.43	3,959.87	10.36	10.13	125.26	32.54	535.81	137.00	116.27	20.74	6.607	
4,100.00	4,048.16	4,111.34	4,057.97	10.61	10.41	123.78	33.64	554.71	139.39	118.09	21.30	6.543	
4,200.00	4,146.71	4,211.25	4,156.07	10.87	10.70	122.36	34.75	573.60	141.87	119.99	21.88	6.485	
4,300.00	4,245.26	4,311.15	4,254.16	11.13	10.98	120.98	35.85	592.49	144.43	121.97	22.46	6.431	
4,400.00	4,343.81	4,411.06	4,352.26	11.39	11.27	119.65	36.96	611.39	147.07	124.03	23.04	6.383	
4,500.00	4,442.36	4,510.97	4,450.36	11.66	11.57	118.37	38.07	630.28	149.79	126.16	23.63	6.339	
4,600.00	4,540.91	4,610.88	4,548.46	11.94	11.87	117.13	39.17	649.18	152.58	128.35	24.23	6.298	
4,700.00	4,639.46	4,710.79	4,646.56	12.21	12.17	115.94	40.28	668.07	155.44	130.61	24.82	6.262	
4,800.00	4,738.01	4,810.69	4,744.66	12.49	12.47	114.79	41.38	686.96	158.36	132.94	25.42	6.229	
4,900.00	4,836.56	4,910.60	4,842.76	12.77	12.78	113.69	42.49	705.86	161.35	135.32	26.03	6.199	
5,000.00	4,935.11	5,010.51	4,940.86	13.05	13.09	112.62	43.60	724.75	164.39	137.75	26.64	6.172	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	5,033.66	5,110.42	5,038.95	13.34	13.40	111.59	44.70	743.65	167.49	140.24	27.25	6.147	
5,200.00	5,132.21	5,210.33	5,137.05	13.63	13.71	110.61	45.81	762.54	170.64	142.78	27.86	6.125	
5,300.00	5,230.76	5,310.23	5,235.15	13.92	14.03	109.65	46.91	781.43	173.83	145.36	28.47	6.105	
5,400.00	5,329.30	5,410.14	5,333.25	14.21	14.34	108.74	48.02	800.33	177.08	147.99	29.09	6.087	
5,500.00	5,427.85	5,510.05	5,431.35	14.50	14.66	107.85	49.13	819.22	180.37	150.66	29.71	6.071	
5,600.00	5,526.40	5,609.96	5,529.45	14.80	14.98	107.00	50.23	838.12	183.70	153.37	30.33	6.057	
5,700.00	5,624.95	5,709.86	5,627.55	15.10	15.30	106.18	51.34	857.01	187.06	156.12	30.95	6.044	
5,800.00	5,723.50	5,809.77	5,725.65	15.40	15.63	105.38	52.44	875.90	190.47	158.90	31.57	6.033	
5,900.00	5,822.05	5,909.68	5,823.74	15.70	15.95	104.62	53.55	894.80	193.91	161.72	32.20	6.023	
6,000.00	5,920.60	6,009.59	5,921.84	16.00	16.28	103.88	54.66	913.69	197.39	164.57	32.82	6.014	
6,100.00	6,019.15	6,109.50	6,019.94	16.31	16.60	103.17	55.76	932.59	200.89	167.44	33.45	6.006	
6,200.00	6,117.70	6,209.40	6,118.04	16.61	16.93	102.48	56.87	951.48	204.43	170.35	34.08	5.999	
6,300.00	6,216.25	6,309.31	6,216.14	16.92	17.26	101.82	57.97	970.37	207.99	173.29	34.71	5.993	
6,400.00	6,314.80	6,410.79	6,316.64	17.22	17.49	102.78	59.10	989.67	211.24	175.98	35.26	5.991	
6,500.00	6,413.35	6,509.08	6,414.80	17.53	17.63	107.73	60.19	981.33	214.65	178.95	35.70	6.013	
6,600.00	6,512.28	6,600.81	6,505.08	17.79	17.69	132.98	61.18	965.55	221.46	185.59	35.87	6.174	
6,700.00	6,612.08	6,688.60	6,588.50	17.94	17.71	-99.76	62.08	938.46	231.95	196.24	35.71	6.496	
6,800.00	6,710.50	6,773.40	6,664.81	18.03	17.70	-76.86	62.89	901.63	244.76	209.46	35.30	6.933	
6,900.00	6,805.12	6,855.76	6,733.62	18.06	17.67	-67.66	63.62	856.46	258.61	223.87	34.74	7.445	
7,000.00	6,893.62	6,936.15	6,794.60	18.06	17.65	-61.68	64.25	804.18	272.38	238.27	34.11	7.986	
7,100.00	6,973.81	7,014.94	6,847.52	18.03	17.65	-57.35	64.78	745.88	285.17	251.66	33.51	8.511	
7,200.00	7,043.73	7,092.49	6,892.19	18.03	17.68	-54.17	65.22	682.54	296.29	263.26	33.03	8.970	
7,300.00	7,101.64	7,169.09	6,928.44	18.07	17.76	-51.89	65.56	615.11	305.24	272.48	32.76	9.318	
7,400.00	7,146.13	7,245.02	6,956.12	18.19	17.89	-50.37	65.81	544.45	311.64	278.89	32.75	9.516	
7,500.00	7,176.09	7,320.53	6,975.11	18.41	18.09	-49.51	65.95	471.42	315.25	282.22	33.03	9.543	
7,600.00	7,190.80	7,395.85	6,985.32	18.73	18.33	-49.27	66.00	396.84	315.95	282.34	33.61	9.401	
7,700.00	7,190.87	7,474.58	6,986.65	19.15	18.65	-49.47	65.94	318.16	314.30	279.88	34.42	9.132	
7,800.00	7,187.69	7,574.58	6,984.12	19.71	19.18	-49.48	65.83	218.20	313.32	278.00	35.32	8.870	
7,900.00	7,184.51	7,674.57	6,981.59	20.39	19.82	-49.48	65.71	118.24	312.35	275.93	36.42	8.577	
8,000.00	7,181.33	7,774.57	6,979.06	21.17	20.58	-49.48	65.59	18.27	311.38	273.69	37.69	8.262	
8,100.00	7,178.15	7,874.56	6,976.53	22.06	21.44	-49.49	65.47	-81.69	310.40	271.29	39.12	7.935	
8,200.00	7,174.98	7,974.56	6,974.01	23.03	22.40	-49.49	65.36	-181.65	309.43	268.74	40.69	7.605	
8,300.00	7,171.80	8,074.56	6,971.48	24.08	23.44	-49.50	65.24	-281.62	308.46	266.07	42.38	7.278	
8,400.00	7,168.62	8,174.55	6,968.95	25.19	24.54	-49.50	65.12	-381.58	307.49	263.29	44.19	6.958	
8,500.00	7,165.44	8,274.55	6,966.42	26.36	25.71	-49.51	65.00	-481.54	306.51	260.41	46.10	6.649	
8,600.00	7,162.26	8,374.54	6,963.89	27.59	26.93	-49.51	64.89	-581.51	305.54	257.45	48.09	6.353	
8,700.00	7,159.08	8,474.54	6,961.36	28.86	28.20	-49.52	64.77	-681.47	304.57	254.40	50.16	6.071	
8,800.00	7,155.90	8,574.53	6,958.83	30.16	29.51	-49.52	64.65	-781.43	303.59	251.29	52.30	5.805	
8,900.00	7,152.72	8,674.53	6,956.30	31.50	30.85	-49.53	64.54	-881.40	302.62	248.12	54.50	5.553	
9,000.00	7,149.54	8,774.52	6,953.77	32.88	32.23	-49.53	64.42	-981.36	301.65	244.90	56.75	5.316	
9,100.00	7,146.36	8,874.52	6,951.24	34.28	33.63	-49.54	64.30	-1,081.32	300.68	241.64	59.04	5.093	
9,200.00	7,143.18	8,974.51	6,948.71	35.70	35.05	-49.54	64.18	-1,181.29	299.70	238.33	61.38	4.883	
9,300.00	7,140.00	9,074.51	6,946.18	37.14	36.50	-49.55	64.07	-1,281.25	298.73	234.98	63.75	4.686	
9,400.00	7,136.82	9,174.50	6,943.65	38.60	37.96	-49.55	63.95	-1,381.21	297.76	231.61	66.15	4.501	
9,500.00	7,133.64	9,274.50	6,941.13	40.08	39.44	-49.55	63.83	-1,481.18	296.79	228.20	68.59	4.327	
9,600.00	7,130.46	9,374.49	6,938.60	41.57	40.94	-49.56	63.71	-1,581.14	295.81	224.77	71.04	4.164	
9,700.00	7,127.28	9,474.49	6,936.07	43.08	42.45	-49.56	63.60	-1,681.10	294.84	221.31	73.53	4.010	
9,800.00	7,124.10	9,574.48	6,933.54	44.59	43.97	-49.57	63.48	-1,781.07	293.87	217.83	76.03	3.865	
9,900.00	7,120.92	9,674.48	6,931.01	46.12	45.50	-49.57	63.36	-1,881.03	292.89	214.34	78.56	3.728	
10,000.00	7,117.74	9,774.47	6,928.48	47.66	47.04	-49.58	63.24	-1,980.99	291.92	210.82	81.10	3.600	
10,100.00	7,114.57	9,874.47	6,925.95	49.20	48.59	-49.58	63.13	-2,080.96	290.95	207.29	83.65	3.478	
10,200.00	7,111.39	9,974.47	6,923.42	50.76	50.15	-49.59	63.01	-2,180.92	289.98	203.75	86.23	3.363	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
10,300.00	7,108.21	10,074.46	6,920.89	52.32	51.72	-49.59	62.89	-2,280.88	289.00	200.19	88.81	3.254	
10,400.00	7,105.03	10,174.46	6,918.36	53.88	53.29	-49.60	62.77	-2,380.84	288.03	196.62	91.41	3.151	
10,500.00	7,101.85	10,274.45	6,915.83	55.46	54.87	-49.61	62.66	-2,480.81	287.06	193.04	94.02	3.053	
10,600.00	7,098.67	10,374.45	6,913.30	57.04	56.45	-49.61	62.54	-2,580.77	286.09	189.45	96.63	2.961	
10,700.00	7,095.49	10,474.44	6,910.77	58.62	58.04	-49.62	62.42	-2,680.73	285.11	185.85	99.26	2.872	
10,800.00	7,092.31	10,574.44	6,908.25	60.21	59.63	-49.62	62.30	-2,780.70	284.14	182.24	101.90	2.788	
10,900.00	7,089.13	10,674.43	6,905.72	61.80	61.23	-49.63	62.19	-2,880.66	283.17	178.62	104.54	2.709	
11,000.00	7,085.95	10,774.43	6,903.19	63.40	62.83	-49.63	62.07	-2,980.62	282.19	175.00	107.19	2.633	
11,100.00	7,082.77	10,874.42	6,900.66	65.00	64.43	-49.64	61.95	-3,080.59	281.22	171.37	109.85	2.560	
11,200.00	7,079.59	10,974.42	6,898.13	66.61	66.04	-49.64	61.83	-3,180.55	280.25	167.73	112.52	2.491	
11,300.00	7,076.41	11,074.41	6,895.60	68.21	67.65	-49.65	61.72	-3,280.51	279.28	164.08	115.19	2.424	
11,400.00	7,073.23	11,174.41	6,893.07	69.82	69.26	-49.65	61.60	-3,380.48	278.30	160.43	117.87	2.361	
11,500.00	7,070.05	11,274.40	6,890.54	71.44	70.88	-49.66	61.48	-3,480.44	277.33	156.78	120.55	2.301	
11,600.00	7,066.87	11,374.40	6,888.01	73.05	72.50	-49.66	61.36	-3,580.40	276.36	153.12	123.24	2.242	
11,700.00	7,063.69	11,474.39	6,885.48	74.67	74.12	-49.67	61.25	-3,680.37	275.39	149.45	125.93	2.187	
11,800.00	7,060.51	11,574.39	6,882.95	76.29	75.74	-49.68	61.13	-3,780.33	274.41	145.78	128.63	2.133	
11,900.00	7,057.33	11,674.38	6,880.42	77.92	77.37	-49.68	61.01	-3,880.29	273.44	142.11	131.33	2.082	
12,000.00	7,054.15	11,774.38	6,877.89	79.54	79.00	-49.69	60.89	-3,980.26	272.47	138.43	134.04	2.033	
12,100.00	7,050.98	11,874.38	6,875.37	81.17	80.62	-49.69	60.78	-4,080.22	271.49	134.75	136.75	1.985	
12,200.00	7,047.80	11,974.37	6,872.84	82.80	82.26	-49.70	60.66	-4,180.18	270.52	131.06	139.46	1.940	
12,300.00	7,044.62	12,074.37	6,870.31	84.43	83.89	-49.71	60.54	-4,280.15	269.55	127.37	142.18	1.896	
12,400.00	7,041.44	12,174.36	6,867.78	86.06	85.52	-49.71	60.42	-4,380.11	268.58	123.68	144.89	1.854	
12,500.00	7,038.26	12,274.36	6,865.25	87.69	87.16	-49.72	60.31	-4,480.07	267.60	119.99	147.62	1.813	
12,600.00	7,035.08	12,374.35	6,862.72	89.33	88.80	-49.72	60.19	-4,580.04	266.63	116.29	150.34	1.773	
12,700.00	7,031.90	12,474.35	6,860.19	90.96	90.43	-49.73	60.07	-4,680.00	265.66	112.59	153.07	1.736	
12,800.00	7,028.72	12,574.34	6,857.66	92.60	92.07	-49.74	59.95	-4,779.96	264.69	108.88	155.80	1.699	
12,900.00	7,025.54	12,674.34	6,855.13	94.24	93.71	-49.74	59.84	-4,879.92	263.71	105.18	158.53	1.663	
13,000.00	7,022.36	12,774.33	6,852.60	95.88	95.36	-49.75	59.72	-4,979.89	262.74	101.47	161.27	1.629	
13,100.00	7,019.18	12,874.33	6,850.07	97.52	97.00	-49.75	59.60	-5,079.85	261.77	97.76	164.01	1.596	
13,200.00	7,016.00	12,974.32	6,847.54	99.16	98.64	-49.76	59.48	-5,179.81	260.79	94.05	166.75	1.564	
13,300.00	7,012.82	13,074.32	6,845.01	100.80	100.29	-49.77	59.37	-5,279.78	259.82	90.33	169.49	1.533	
13,400.00	7,009.64	13,174.31	6,842.49	102.44	101.93	-49.77	59.25	-5,379.74	258.85	86.61	172.24	1.503	
13,500.00	7,006.46	13,274.31	6,839.96	104.09	103.58	-49.78	59.13	-5,479.70	257.88	82.89	174.98	1.474 Level 3	
13,600.00	7,003.28	13,374.30	6,837.43	105.73	105.23	-49.79	59.02	-5,579.67	256.90	79.17	177.73	1.445 Level 3	
13,700.00	7,000.10	13,474.30	6,834.90	107.38	106.87	-49.79	58.90	-5,679.63	255.93	75.45	180.48	1.418 Level 3	
13,800.00	6,996.92	13,574.29	6,832.37	109.03	108.52	-49.80	58.78	-5,779.59	254.96	71.73	183.23	1.391 Level 3	
13,900.00	6,993.74	13,674.29	6,829.84	110.67	110.17	-49.81	58.66	-5,879.56	253.99	68.00	185.99	1.366 Level 3	
14,000.00	6,990.57	13,774.29	6,827.31	112.32	111.82	-49.81	58.55	-5,979.52	253.01	64.27	188.74	1.341 Level 3	
14,100.00	6,987.39	13,874.28	6,824.78	113.97	113.47	-49.82	58.43	-6,079.48	252.04	60.54	191.50	1.316 Level 3	
14,200.00	6,984.21	13,974.28	6,822.25	115.62	115.12	-49.83	58.31	-6,179.45	251.07	56.81	194.26	1.292 Level 3	
14,300.00	6,981.03	14,074.27	6,819.72	117.27	116.78	-49.83	58.19	-6,279.41	250.10	53.08	197.02	1.269 Level 3	
14,400.00	6,977.85	14,174.27	6,817.19	118.92	118.43	-49.84	58.08	-6,379.37	249.12	49.34	199.78	1.247 Level 2	
14,500.00	6,974.67	14,274.26	6,814.66	120.57	120.08	-49.85	57.96	-6,479.34	248.15	45.61	202.54	1.225 Level 2	
14,600.00	6,971.49	14,374.26	6,812.13	122.22	121.74	-49.85	57.84	-6,579.30	247.18	41.87	205.31	1.204 Level 2	
14,700.00	6,968.31	14,474.25	6,809.61	123.87	123.39	-49.86	57.72	-6,679.26	246.21	38.13	208.07	1.183 Level 2	
14,800.00	6,965.13	14,574.25	6,807.08	125.53	125.04	-49.87	57.61	-6,779.23	245.23	34.39	210.84	1.163 Level 2	
14,900.00	6,961.95	14,674.24	6,804.55	127.18	126.70	-49.88	57.49	-6,879.19	244.26	30.65	213.61	1.143 Level 2	
15,000.00	6,958.77	14,774.24	6,802.02	128.83	128.36	-49.88	57.37	-6,979.15	243.29	26.91	216.38	1.124 Level 2	
15,100.00	6,955.59	14,874.23	6,799.49	130.49	130.01	-49.89	57.25	-7,079.12	242.31	23.16	219.15	1.106 Level 2	
15,200.00	6,952.41	14,974.23	6,796.96	132.14	131.67	-49.90	57.14	-7,179.08	241.34	19.42	221.93	1.087 Level 2	
15,300.00	6,949.23	15,074.22	6,794.43	133.80	133.32	-49.90	57.02	-7,279.04	240.37	15.67	224.70	1.070 Level 2	
15,400.00	6,946.05	15,174.22	6,791.90	135.45	134.98	-49.91	56.90	-7,379.01	239.40	11.92	227.47	1.052 Level 2	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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							
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	6,942.87	15,274.21	6,789.37	137.11	136.64	-49.92	56.78	-7,478.97	238.42	8.17	230.25	1.036	Level 2
15,533.10	6,941.82	15,307.31	6,788.53	137.66	137.19	-49.92	56.74	-7,512.05	238.10	6.93	231.17	1.030	Level 2, ES, SF

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
0.00	0.00	0.00	0.00	3.28	3.28	-89.65	0.73	-119.99	120.00				
100.00	100.00	100.00	100.00	3.28	3.28	-89.65	0.73	-119.99	120.00	112.47	7.53	15.938	
200.00	200.00	200.00	200.00	3.31	3.31	-89.65	0.73	-119.99	120.00	112.42	7.57	15.843 CC, ES	
300.00	299.98	301.82	301.82	3.35	3.35	-164.50	0.47	-119.60	121.30	113.64	7.66	15.836	
400.00	399.84	405.41	405.33	3.42	3.41	-166.11	-1.58	-116.47	123.36	115.58	7.78	15.859	
500.00	499.45	508.82	508.46	3.51	3.50	-169.02	-5.67	-110.22	126.05	118.11	7.94	15.876	
600.00	598.70	611.90	610.94	3.63	3.61	-173.08	-11.77	-100.89	129.77	121.63	8.15	15.925	
700.00	697.47	714.54	712.51	3.78	3.77	-178.07	-19.85	-88.55	135.05	126.63	8.42	16.042	
800.00	796.02	816.71	813.03	3.97	3.96	176.24	-29.86	-73.24	140.37	131.62	8.75	16.045	
900.00	894.57	915.59	909.96	4.18	4.19	170.57	-40.54	-56.93	145.92	136.76	9.16	15.933	
1,000.00	993.12	1,014.42	1,006.85	4.41	4.44	165.37	-51.21	-40.63	152.81	143.19	9.62	15.882	
1,100.00	1,091.67	1,113.24	1,103.73	4.67	4.72	160.64	-61.87	-24.33	160.86	150.73	10.13	15.876	
1,200.00	1,190.22	1,212.06	1,200.61	4.94	5.02	156.38	-72.54	-8.03	169.91	159.23	10.68	15.905	
1,300.00	1,288.77	1,310.89	1,297.50	5.22	5.34	152.57	-83.21	8.28	179.81	168.54	11.27	15.959	
1,400.00	1,387.32	1,409.71	1,394.38	5.52	5.67	149.16	-93.88	24.58	190.42	178.54	11.88	16.032	
1,500.00	1,485.87	1,508.53	1,491.27	5.82	6.01	146.12	-104.55	40.88	201.63	189.12	12.51	16.117	
1,600.00	1,584.42	1,607.36	1,588.15	6.14	6.36	143.40	-115.21	57.18	213.35	200.19	13.16	16.210	
1,700.00	1,682.97	1,706.18	1,685.04	6.46	6.72	140.96	-125.88	73.48	225.50	211.68	13.83	16.308	
1,800.00	1,781.52	1,805.00	1,781.92	6.79	7.07	138.78	-136.55	89.79	238.02	223.52	14.50	16.418	
1,900.00	1,880.07	1,903.83	1,878.80	6.96	7.27	136.82	-147.22	106.09	250.84	236.35	14.49	17.310	
2,000.00	1,978.62	2,002.65	1,975.69	7.00	7.31	135.04	-157.89	122.39	263.92	249.34	14.58	18.101	
2,100.00	2,077.17	2,101.47	2,072.57	7.06	7.38	133.44	-168.55	138.69	277.24	262.53	14.70	18.858	
2,200.00	2,175.71	2,200.30	2,169.46	7.13	7.46	131.98	-179.22	155.00	290.74	275.89	14.85	19.575	
2,300.00	2,274.26	2,300.88	2,266.34	7.21	7.56	130.65	-189.89	171.30	304.42	289.38	15.04	20.246	
2,400.00	2,372.81	2,402.05	2,363.22	7.31	7.67	129.44	-200.56	187.60	318.24	302.99	15.25	20.869	
2,500.00	2,471.36	2,503.23	2,460.11	7.43	7.81	128.33	-211.23	203.90	332.19	316.70	15.49	21.444	
2,600.00	2,569.91	2,604.41	2,556.99	7.55	7.96	127.30	-221.89	220.20	346.26	330.50	15.76	21.970	
2,700.00	2,668.46	2,705.58	2,653.88	7.69	8.12	126.36	-232.56	236.51	360.42	344.37	16.06	22.449	
2,800.00	2,767.01	2,806.76	2,750.76	7.84	8.29	125.49	-243.23	252.81	374.68	358.30	16.37	22.881	
2,900.00	2,865.56	2,907.94	2,847.64	8.01	8.48	124.68	-253.90	269.11	389.01	372.29	16.72	23.270	
3,000.00	2,964.11	3,009.11	2,944.53	8.18	8.68	123.93	-264.57	285.41	403.41	386.33	17.08	23.617	
3,100.00	3,062.66	3,089.71	3,041.41	8.36	8.85	123.23	-275.23	301.72	417.88	400.46	17.42	23.984	
3,200.00	3,161.21	3,188.53	3,138.30	8.55	9.06	122.58	-285.90	318.02	432.40	414.58	17.82	24.266	
3,300.00	3,259.76	3,287.36	3,235.18	8.76	9.29	121.97	-296.57	334.32	446.98	428.75	18.23	24.515	
3,400.00	3,358.31	3,386.18	3,332.07	8.96	9.52	121.40	-307.24	350.62	461.60	442.94	18.66	24.733	
3,500.00	3,456.86	3,485.00	3,428.95	9.18	9.76	120.86	-317.91	366.92	476.26	457.16	19.11	24.925	
3,600.00	3,555.41	3,583.83	3,525.83	9.40	10.01	120.36	-328.57	383.23	490.97	471.40	19.57	25.092	
3,700.00	3,653.96	3,682.65	3,622.72	9.63	10.26	119.88	-339.24	399.53	505.70	485.67	20.04	25.237	
3,800.00	3,752.51	3,781.48	3,719.60	9.87	10.52	119.43	-349.91	415.83	520.47	499.95	20.52	25.362	
3,900.00	3,851.06	3,880.30	3,816.49	10.11	10.79	119.01	-360.58	432.13	535.27	514.26	21.02	25.469	
4,000.00	3,949.61	3,979.12	3,913.37	10.36	11.06	118.61	-371.24	448.44	550.10	528.58	21.52	25.559	
4,100.00	4,048.16	4,077.95	4,010.25	10.61	11.34	118.23	-381.91	464.74	564.95	542.91	22.04	25.636	
4,200.00	4,146.71	4,176.77	4,107.14	10.87	11.62	117.87	-392.58	481.04	579.82	557.26	22.56	25.700	
4,300.00	4,245.26	4,275.59	4,204.02	11.13	11.91	117.53	-403.25	497.34	594.72	571.62	23.09	25.752	
4,400.00	4,343.81	4,374.42	4,300.91	11.39	12.20	117.20	-413.92	513.64	609.63	586.00	23.63	25.795	
4,500.00	4,442.36	4,473.24	4,397.79	11.66	12.49	116.89	-424.58	529.95	624.57	600.39	24.18	25.828	
4,600.00	4,540.91	4,572.06	4,494.67	11.94	12.79	116.60	-435.25	546.25	639.52	614.78	24.74	25.854	
4,700.00	4,639.46	4,670.89	4,591.56	12.21	13.09	116.32	-445.92	562.55	654.48	629.19	25.30	25.873	
4,800.00	4,738.01	4,769.71	4,688.44	12.49	13.40	116.05	-456.59	578.85	669.46	643.60	25.86	25.886	
4,900.00	4,836.56	4,868.53	4,785.33	12.77	13.70	115.79	-467.26	595.15	684.46	658.03	26.43	25.893	
5,000.00	4,935.11	4,967.36	4,882.21	13.05	14.01	115.54	-477.92	611.46	699.47	672.46	27.01	25.895	
5,100.00	5,033.66	5,066.18	4,979.10	13.34	14.33	115.31	-488.59	627.76	714.49	686.89	27.59	25.894	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,200.00	5,132.21	5,165.01	5,075.98	13.63	14.64	115.08	-499.26	644.06	729.52	701.34	28.18	25.889		
5,300.00	5,230.76	5,263.83	5,172.86	13.92	14.96	114.86	-509.93	660.36	744.56	715.79	28.77	25.880		
5,400.00	5,329.30	5,362.65	5,269.75	14.21	15.28	114.65	-520.60	676.67	759.61	730.25	29.36	25.869		
5,500.00	5,427.85	5,461.48	5,366.63	14.50	15.60	114.45	-531.26	692.97	774.67	744.71	29.96	25.855		
5,600.00	5,526.40	5,560.30	5,463.52	14.80	15.92	114.26	-541.93	709.27	789.75	759.18	30.56	25.839		
5,700.00	5,624.95	5,659.12	5,560.40	15.10	16.25	114.08	-552.60	725.57	804.82	773.66	31.17	25.821		
5,800.00	5,723.50	5,757.95	5,657.28	15.40	16.57	113.90	-563.27	741.87	819.91	788.13	31.78	25.802		
5,900.00	5,822.05	5,856.77	5,754.17	15.70	16.90	113.72	-573.94	758.18	835.01	802.62	32.39	25.781		
6,000.00	5,920.60	5,955.59	5,851.05	16.00	17.23	113.56	-584.60	774.48	850.11	817.10	33.00	25.759		
6,100.00	6,019.15	6,054.42	5,947.94	16.31	17.56	113.40	-595.27	790.78	865.22	831.60	33.62	25.736		
6,200.00	6,117.70	6,153.24	6,044.82	16.61	17.89	113.24	-605.94	807.08	880.33	846.09	34.24	25.712		
6,300.00	6,216.25	6,252.06	6,141.70	16.92	18.22	113.09	-616.61	823.39	895.45	860.59	34.86	25.688		
6,400.00	6,314.80	6,350.89	6,238.59	17.22	18.56	112.95	-627.28	839.69	910.58	875.10	35.48	25.663		
6,500.00	6,413.35	6,449.71	6,335.47	17.53	18.89	112.81	-637.94	855.99	925.71	889.60	36.11	25.637		
6,600.00	6,512.28	6,548.44	6,432.26	17.79	19.23	130.90	-648.60	872.28	940.47	903.80	36.67	25.645		
6,700.00	6,612.08	6,645.63	6,527.55	17.94	19.56	-109.10	-659.09	888.31	953.43	916.32	37.11	25.693		
6,800.00	6,710.50	6,733.10	6,613.48	18.03	19.81	-93.13	-668.57	901.47	965.16	927.79	37.37	25.826		
6,900.00	6,805.12	6,815.81	6,695.57	18.06	19.96	-89.91	-677.68	904.56	977.10	939.63	37.47	26.077		
7,000.00	6,893.62	6,902.23	6,781.00	18.06	20.08	-89.04	-687.25	896.33	989.38	951.88	37.49	26.389		
7,100.00	6,973.81	6,993.33	6,868.96	18.03	20.14	-89.09	-697.20	875.15	1,001.85	964.39	37.46	26.745		
7,200.00	7,043.73	7,090.31	6,958.26	18.03	20.17	-89.64	-707.41	838.98	1,014.32	976.92	37.41	27.115		
7,300.00	7,101.64	7,194.59	7,046.98	18.07	20.15	-90.53	-717.68	785.37	1,026.49	989.11	37.38	27.462		
7,400.00	7,146.13	7,307.82	7,132.04	18.19	20.10	-91.69	-727.69	711.53	1,037.93	1,000.50	37.42	27.735		
7,500.00	7,176.09	7,431.69	7,208.58	18.41	20.03	-93.06	-736.93	614.83	1,048.06	1,010.43	37.62	27.858		
7,600.00	7,190.80	7,567.57	7,269.42	18.73	19.97	-94.56	-744.59	493.87	1,056.13	1,018.06	38.07	27.741		
7,700.00	7,190.87	7,716.09	7,305.13	19.15	20.00	-96.13	-749.62	350.13	1,061.23	1,022.36	38.88	27.298		
7,800.00	7,187.69	7,853.55	7,308.87	19.71	20.20	-96.56	-751.04	212.92	1,061.92	1,021.92	40.00	26.549		
7,900.00	7,184.51	7,953.55	7,305.70	20.39	20.55	-96.57	-751.42	112.97	1,061.46	1,020.29	41.17	25.783		
8,000.00	7,181.33	8,053.55	7,302.53	21.17	21.09	-96.57	-751.80	13.03	1,061.00	1,018.44	42.57	24.926		
8,100.00	7,178.15	8,153.55	7,299.36	22.06	21.79	-96.57	-752.18	-86.92	1,060.55	1,016.37	44.17	24.009		
8,200.00	7,174.98	8,253.55	7,296.18	23.03	22.61	-96.58	-752.55	-186.87	1,060.09	1,014.12	45.97	23.062		
8,300.00	7,171.80	8,353.55	7,293.01	24.08	23.54	-96.58	-752.93	-286.82	1,059.63	1,011.70	47.93	22.109		
8,400.00	7,168.62	8,453.55	7,289.84	25.19	24.56	-96.58	-753.31	-386.76	1,059.17	1,009.14	50.03	21.169		
8,500.00	7,165.44	8,553.55	7,286.66	26.36	25.65	-96.59	-753.69	-486.71	1,058.71	1,006.44	52.27	20.255		
8,600.00	7,162.26	8,653.55	7,283.49	27.59	26.80	-96.59	-754.07	-586.66	1,058.25	1,003.64	54.62	19.376		
8,700.00	7,159.08	8,753.54	7,280.32	28.86	28.00	-96.59	-754.45	-686.61	1,057.80	1,000.73	57.07	18.537		
8,800.00	7,155.90	8,853.54	7,277.15	30.16	29.25	-96.60	-754.83	-786.56	1,057.34	997.74	59.60	17.741		
8,900.00	7,152.72	8,953.54	7,273.97	31.50	30.54	-96.60	-755.21	-886.50	1,056.88	994.67	62.21	16.989		
9,000.00	7,149.54	9,053.54	7,270.80	32.88	31.86	-96.60	-755.59	-986.45	1,056.42	991.54	64.89	16.281		
9,100.00	7,146.36	9,153.54	7,267.63	34.28	33.21	-96.61	-755.97	-1,086.40	1,055.96	988.34	67.62	15.616		
9,200.00	7,143.18	9,253.54	7,264.46	35.70	34.60	-96.61	-756.34	-1,186.35	1,055.50	985.10	70.41	14.991		
9,300.00	7,140.00	9,353.54	7,261.28	37.14	36.00	-96.61	-756.72	-1,286.30	1,055.05	981.81	73.24	14.405		
9,400.00	7,136.82	9,453.54	7,258.11	38.60	37.43	-96.62	-757.10	-1,386.24	1,054.59	978.47	76.11	13.855		
9,500.00	7,133.64	9,553.54	7,254.94	40.08	38.88	-96.62	-757.48	-1,486.19	1,054.13	975.11	79.02	13.340		
9,600.00	7,130.46	9,653.53	7,251.77	41.57	40.34	-96.62	-757.86	-1,586.14	1,053.67	971.71	81.96	12.855		
9,700.00	7,127.28	9,753.53	7,248.59	43.08	41.82	-96.63	-758.24	-1,686.09	1,053.21	968.28	84.94	12.400		
9,800.00	7,124.10	9,853.53	7,245.42	44.59	43.31	-96.63	-758.62	-1,786.03	1,052.76	964.82	87.93	11.972		
9,900.00	7,120.92	9,953.53	7,242.25	46.12	44.82	-96.63	-759.00	-1,885.98	1,052.30	961.35	90.95	11.570		
10,000.00	7,117.74	10,053.53	7,239.07	47.66	46.33	-96.64	-759.38	-1,985.93	1,051.84	957.85	93.99	11.191		
10,100.00	7,114.57	10,153.53	7,235.90	49.20	47.86	-96.64	-759.76	-2,085.88	1,051.38	954.33	97.05	10.833		
10,200.00	7,111.39	10,253.53	7,232.73	50.76	49.39	-96.64	-760.14	-2,185.83	1,050.92	950.79	100.13	10.496		
10,300.00	7,108.21	10,353.53	7,229.56	52.32	50.94	-96.65	-760.51	-2,285.77	1,050.46	947.24	103.22	10.177		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
10,400.00	7,105.03	10,453.53	7,226.38	53.88	52.49	-96.65	-760.89	-2,385.72	1,050.01	943.68	106.33	9.875	
10,500.00	7,101.85	10,553.53	7,223.21	55.46	54.05	-96.65	-761.27	-2,485.67	1,049.55	940.10	109.45	9.589	
10,600.00	7,098.67	10,653.52	7,220.04	57.04	55.61	-96.66	-761.65	-2,585.62	1,049.09	936.51	112.58	9.318	
10,700.00	7,095.49	10,753.52	7,216.87	58.62	57.19	-96.66	-762.03	-2,685.57	1,048.63	932.90	115.73	9.061	
10,800.00	7,092.31	10,853.52	7,213.69	60.21	58.76	-96.66	-762.41	-2,785.51	1,048.17	929.29	118.88	8.817	
10,900.00	7,089.13	10,953.52	7,210.52	61.80	60.34	-96.67	-762.79	-2,885.46	1,047.71	925.67	122.04	8.585	
11,000.00	7,085.95	11,053.52	7,207.35	63.40	61.93	-96.67	-763.17	-2,985.41	1,047.26	922.04	125.22	8.364	
11,100.00	7,082.77	11,153.52	7,204.18	65.00	63.52	-96.67	-763.55	-3,085.36	1,046.80	918.40	128.40	8.153	
11,200.00	7,079.59	11,253.52	7,201.00	66.61	65.12	-96.68	-763.93	-3,185.30	1,046.34	914.76	131.58	7.952	
11,300.00	7,076.41	11,353.52	7,197.83	68.21	66.71	-96.68	-764.31	-3,285.25	1,045.88	911.11	134.78	7.760	
11,400.00	7,073.23	11,453.52	7,194.66	69.82	68.32	-96.68	-764.68	-3,385.20	1,045.42	907.45	137.98	7.577	
11,500.00	7,070.05	11,553.51	7,191.48	71.44	69.92	-96.69	-765.06	-3,485.15	1,044.97	903.78	141.18	7.401	
11,600.00	7,066.87	11,653.51	7,188.31	73.05	71.53	-96.69	-765.44	-3,585.10	1,044.51	900.11	144.39	7.234	
11,700.00	7,063.69	11,753.51	7,185.14	74.67	73.14	-96.69	-765.82	-3,685.04	1,044.05	896.44	147.61	7.073	
11,800.00	7,060.51	11,853.51	7,181.97	76.29	74.75	-96.70	-766.20	-3,784.99	1,043.59	892.76	150.83	6.919	
11,900.00	7,057.33	11,953.51	7,178.79	77.92	76.37	-96.70	-766.58	-3,884.94	1,043.13	889.07	154.06	6.771	
12,000.00	7,054.15	12,053.51	7,175.62	79.54	77.99	-96.70	-766.96	-3,984.89	1,042.67	885.38	157.29	6.629	
12,100.00	7,050.98	12,153.51	7,172.45	81.17	79.61	-96.71	-767.34	-4,084.84	1,042.22	881.69	160.53	6.493	
12,200.00	7,047.80	12,253.51	7,169.28	82.80	81.23	-96.71	-767.72	-4,184.78	1,041.76	877.99	163.76	6.361	
12,300.00	7,044.62	12,353.51	7,166.10	84.43	82.86	-96.71	-768.10	-4,284.73	1,041.30	874.29	167.01	6.235	
12,400.00	7,041.44	12,453.50	7,162.93	86.06	84.48	-96.72	-768.48	-4,384.68	1,040.84	870.59	170.25	6.114	
12,500.00	7,038.26	12,553.50	7,159.76	87.69	86.11	-96.72	-768.85	-4,484.63	1,040.38	866.88	173.50	5.996	
12,600.00	7,035.08	12,653.50	7,156.59	89.33	87.74	-96.72	-769.23	-4,584.58	1,039.93	863.17	176.75	5.884	
12,700.00	7,031.90	12,753.50	7,153.41	90.96	89.37	-96.73	-769.61	-4,684.52	1,039.47	859.46	180.01	5.775	
12,800.00	7,028.72	12,853.50	7,150.24	92.60	91.00	-96.73	-769.99	-4,784.47	1,039.01	855.75	183.26	5.670	
12,900.00	7,025.54	12,953.50	7,147.07	94.24	92.64	-96.73	-770.37	-4,884.42	1,038.55	852.03	186.52	5.568	
13,000.00	7,022.36	13,053.50	7,143.89	95.88	94.27	-96.74	-770.75	-4,984.37	1,038.09	848.31	189.78	5.470	
13,100.00	7,019.18	13,153.50	7,140.72	97.52	95.91	-96.74	-771.13	-5,084.31	1,037.64	844.59	193.05	5.375	
13,200.00	7,016.00	13,253.50	7,137.55	99.16	97.55	-96.74	-771.51	-5,184.26	1,037.18	840.86	196.31	5.283	
13,300.00	7,012.82	13,353.50	7,134.38	100.80	99.19	-96.75	-771.89	-5,284.21	1,036.72	837.14	199.58	5.194	
13,400.00	7,009.64	13,453.49	7,131.20	102.44	100.83	-96.75	-772.27	-5,384.16	1,036.26	833.41	202.85	5.108	
13,500.00	7,006.46	13,553.49	7,128.03	104.09	102.47	-96.75	-772.65	-5,484.11	1,035.80	829.68	206.12	5.025	
13,600.00	7,003.28	13,653.49	7,124.86	105.73	104.11	-96.76	-773.02	-5,584.05	1,035.34	825.95	209.40	4.944	
13,700.00	7,000.10	13,753.49	7,121.69	107.38	105.75	-96.76	-773.40	-5,684.00	1,034.89	822.21	212.67	4.866	
13,800.00	6,996.92	13,853.49	7,118.51	109.03	107.39	-96.76	-773.78	-5,783.95	1,034.43	818.48	215.95	4.790	
13,900.00	6,993.74	13,953.49	7,115.34	110.67	109.04	-96.77	-774.16	-5,883.90	1,033.97	814.74	219.23	4.716	
14,000.00	6,990.57	14,053.49	7,112.17	112.32	110.68	-96.77	-774.54	-5,983.85	1,033.51	811.00	222.51	4.645	
14,100.00	6,987.39	14,153.49	7,109.00	113.97	112.33	-96.77	-774.92	-6,083.79	1,033.05	807.26	225.79	4.575	
14,200.00	6,984.21	14,253.49	7,105.82	115.62	113.98	-96.78	-775.30	-6,183.74	1,032.60	803.52	229.07	4.508	
14,300.00	6,981.03	14,353.48	7,102.65	117.27	115.62	-96.78	-775.68	-6,283.69	1,032.14	799.78	232.36	4.442	
14,400.00	6,977.85	14,453.48	7,099.48	118.92	117.27	-96.78	-776.06	-6,383.64	1,031.68	796.04	235.64	4.378	
14,500.00	6,974.67	14,553.48	7,096.30	120.57	118.92	-96.79	-776.44	-6,483.58	1,031.22	792.29	238.93	4.316	
14,600.00	6,971.49	14,653.48	7,093.13	122.22	120.57	-96.79	-776.82	-6,583.53	1,030.76	788.55	242.22	4.256	
14,700.00	6,968.31	14,753.48	7,089.96	123.87	122.22	-96.79	-777.19	-6,683.48	1,030.31	784.80	245.50	4.197	
14,800.00	6,965.13	14,853.48	7,086.79	125.53	123.87	-96.80	-777.57	-6,783.43	1,029.85	781.05	248.79	4.139	
14,900.00	6,961.95	14,953.48	7,083.61	127.18	125.52	-96.80	-777.95	-6,883.38	1,029.39	777.30	252.08	4.084	
15,000.00	6,958.77	15,053.48	7,080.44	128.83	127.17	-96.80	-778.33	-6,983.32	1,028.93	773.56	255.38	4.029	
15,100.00	6,955.59	15,153.48	7,077.27	130.49	128.83	-96.81	-778.71	-7,083.27	1,028.47	769.81	258.67	3.976	
15,200.00	6,952.41	15,253.48	7,074.10	132.14	130.48	-96.81	-779.09	-7,183.22	1,028.02	766.05	261.96	3.924	
15,300.00	6,949.23	15,353.47	7,070.92	133.80	132.13	-96.81	-779.47	-7,283.17	1,027.56	762.30	265.26	3.874	
15,400.00	6,946.05	15,453.47	7,067.75	135.45	133.79	-96.82	-779.85	-7,383.12	1,027.10	758.55	268.55	3.825	
15,500.00	6,942.87	15,553.47	7,064.58	137.11	135.44	-96.82	-780.23	-7,483.06	1,026.64	754.80	271.84	3.777	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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	
15,531.37	6,941.88	15,584.84	7,063.58	137.63	135.96	-96.82	-780.35	-7,514.42	1,026.50	753.62	272.88	3.762 SF		
15,533.10	6,941.82	15,578.05	7,063.80	137.66	135.85	-96.82	-780.32	-7,507.63	1,026.53	753.72	272.80	3.763		

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
0.00	0.00	0.00	0.00	3.28	3.28	-89.58	0.73	-99.95	99.95				
100.00	100.00	100.00	100.00	3.28	3.28	-89.58	0.73	-99.95	99.95	92.42	7.53	13.276	
200.00	200.00	200.00	200.00	3.31	3.31	-89.58	0.73	-99.95	99.95	92.38	7.57	13.197 CC	
300.00	299.98	303.25	303.23	3.35	3.35	-164.81	-0.06	-98.27	100.00	92.34	7.66	13.060 ES	
400.00	399.84	406.41	406.23	3.42	3.41	-166.99	-2.44	-93.22	100.24	92.47	7.77	12.893	
500.00	499.45	509.37	508.77	3.51	3.51	-170.58	-6.38	-84.85	100.96	93.02	7.94	12.723	
600.00	598.70	612.04	610.62	3.63	3.63	-175.46	-11.87	-73.18	102.59	94.45	8.15	12.594	
700.00	697.47	714.33	711.57	3.78	3.80	178.58	-18.88	-58.29	105.69	97.27	8.42	12.553	
800.00	796.02	814.25	809.74	3.97	4.00	172.25	-26.80	-41.45	109.44	100.67	8.77	12.476	
900.00	894.57	913.46	907.20	4.18	4.23	166.39	-34.72	-24.62	114.37	105.18	9.19	12.447	
1,000.00	993.12	1,012.68	1,004.66	4.41	4.49	161.06	-42.63	-7.80	120.40	110.74	9.66	12.467	
1,100.00	1,091.67	1,111.89	1,102.11	4.67	4.76	156.27	-50.55	9.02	127.37	117.20	10.17	12.521	
1,200.00	1,190.22	1,211.11	1,199.57	4.94	5.06	152.00	-58.46	25.84	135.15	124.42	10.73	12.600	
1,300.00	1,288.77	1,310.32	1,297.03	5.22	5.37	148.21	-66.38	42.66	143.59	132.28	11.31	12.694	
1,400.00	1,387.32	1,409.54	1,394.49	5.52	5.69	144.84	-74.30	59.48	152.60	140.67	11.92	12.798	
1,500.00	1,485.87	1,508.75	1,491.94	5.82	6.02	141.86	-82.21	76.30	162.07	149.51	12.56	12.906	
1,600.00	1,584.42	1,607.97	1,589.40	6.14	6.37	139.22	-90.13	93.13	171.92	158.72	13.21	13.017	
1,700.00	1,682.97	1,707.18	1,686.86	6.46	6.72	136.86	-98.04	109.95	182.11	168.24	13.87	13.127	
1,800.00	1,781.52	1,806.40	1,784.32	6.79	7.06	134.75	-105.96	126.77	192.57	178.03	14.54	13.244	
1,900.00	1,880.07	1,905.61	1,881.77	6.96	7.25	132.87	-113.87	143.59	203.26	188.73	14.53	13.988	
2,000.00	1,978.62	2,004.83	1,979.23	7.00	7.29	131.17	-121.79	160.41	214.14	199.52	14.62	14.645	
2,100.00	2,077.17	2,104.04	2,076.69	7.06	7.35	129.64	-129.71	177.23	225.20	210.45	14.74	15.273	
2,200.00	2,175.71	2,203.26	2,174.14	7.13	7.43	128.25	-137.62	194.06	236.40	221.50	14.90	15.869	
2,300.00	2,274.26	2,302.47	2,271.60	7.21	7.53	126.98	-145.54	210.88	247.72	232.64	15.08	16.429	
2,400.00	2,372.81	2,401.68	2,369.06	7.31	7.63	125.83	-153.45	227.70	259.16	243.87	15.29	16.951	
2,500.00	2,471.36	2,500.90	2,466.52	7.43	7.76	124.78	-161.37	244.52	270.69	255.16	15.53	17.434	
2,600.00	2,569.91	2,600.11	2,563.97	7.55	7.90	123.81	-169.28	261.34	282.30	266.51	15.79	17.878	
2,700.00	2,668.46	2,700.67	2,661.43	7.69	8.05	122.92	-177.20	278.16	293.98	277.90	16.08	18.282	
2,800.00	2,767.01	2,798.54	2,758.89	7.84	8.21	122.09	-185.12	294.99	305.73	289.34	16.39	18.652	
2,900.00	2,865.56	2,902.24	2,856.35	8.01	8.40	121.33	-193.03	311.81	317.54	300.81	16.73	18.976	
3,000.00	2,964.11	2,996.97	2,953.80	8.18	8.57	120.62	-200.95	328.63	329.40	312.32	17.08	19.284	
3,100.00	3,062.66	3,103.81	3,051.26	8.36	8.79	119.96	-208.86	345.45	341.31	323.84	17.47	19.534	
3,200.00	3,161.21	3,195.40	3,148.72	8.55	8.98	119.35	-216.78	362.27	353.26	335.40	17.85	19.790	
3,300.00	3,259.76	3,294.62	3,246.18	8.76	9.19	118.77	-224.69	379.09	365.24	346.98	18.26	20.001	
3,400.00	3,358.31	3,406.17	3,343.63	8.96	9.45	118.24	-232.61	395.92	377.26	358.54	18.72	20.157	
3,500.00	3,456.86	3,506.95	3,441.09	9.18	9.69	117.73	-240.53	412.74	389.31	370.15	19.16	20.316	
3,600.00	3,555.41	3,607.74	3,538.55	9.40	9.93	117.26	-248.44	429.56	401.39	381.76	19.62	20.454	
3,700.00	3,653.96	3,708.52	3,636.01	9.63	10.18	116.81	-256.36	446.38	413.49	393.39	20.10	20.575	
3,800.00	3,752.51	3,790.69	3,733.46	9.87	10.39	116.39	-264.27	463.20	425.62	405.08	20.54	20.726	
3,900.00	3,851.06	3,889.91	3,830.92	10.11	10.65	115.99	-272.19	480.02	437.77	416.74	21.03	20.819	
4,000.00	3,949.61	3,989.12	3,928.38	10.36	10.91	115.62	-280.10	496.84	449.93	428.40	21.53	20.898	
4,100.00	4,048.16	4,088.34	4,025.84	10.61	11.18	115.26	-288.02	513.67	462.12	440.08	22.04	20.966	
4,200.00	4,146.71	4,187.55	4,123.29	10.87	11.46	114.92	-295.94	530.49	474.32	451.76	22.56	21.023	
4,300.00	4,245.26	4,286.77	4,220.75	11.13	11.74	114.60	-303.85	547.31	486.54	463.45	23.09	21.070	
4,400.00	4,343.81	4,385.98	4,318.21	11.39	12.02	114.29	-311.77	564.13	498.77	475.14	23.63	21.109	
4,500.00	4,442.36	4,485.19	4,415.67	11.66	12.30	114.00	-319.68	580.95	511.02	486.84	24.17	21.140	
4,600.00	4,540.91	4,584.41	4,513.12	11.94	12.59	113.73	-327.60	597.77	523.28	498.55	24.72	21.165	
4,700.00	4,639.46	4,683.62	4,610.58	12.21	12.89	113.46	-335.51	614.60	535.55	510.26	25.28	21.184	
4,800.00	4,738.01	4,782.84	4,708.04	12.49	13.18	113.21	-343.43	631.42	547.83	521.98	25.84	21.197	
4,900.00	4,836.56	4,882.05	4,805.49	12.77	13.48	112.97	-351.35	648.24	560.12	533.70	26.41	21.206	
5,000.00	4,935.11	4,981.27	4,902.95	13.05	13.78	112.74	-359.26	665.06	572.42	545.43	26.99	21.211	
5,100.00	5,033.66	5,080.48	5,000.41	13.34	14.09	112.51	-367.18	681.88	584.72	557.16	27.57	21.212	

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
5,200.00	5,132.21	5,179.70	5,097.87	13.63	14.39	112.30	-375.09	698.70	597.04	568.89	28.15	21.210	
5,300.00	5,230.76	5,278.91	5,195.32	13.92	14.70	112.10	-383.01	715.53	609.37	580.63	28.74	21.206	
5,400.00	5,329.30	5,378.13	5,292.78	14.21	15.01	111.90	-390.92	732.35	621.70	592.37	29.33	21.198	
5,500.00	5,427.85	5,477.34	5,390.24	14.50	15.33	111.71	-398.84	749.17	634.04	604.11	29.92	21.189	
5,600.00	5,526.40	5,576.56	5,487.70	14.80	15.64	111.53	-406.76	765.99	646.38	615.86	30.52	21.178	
5,700.00	5,624.95	5,675.77	5,585.15	15.10	15.96	111.36	-414.67	782.81	658.73	627.61	31.12	21.165	
5,800.00	5,723.50	5,774.99	5,682.61	15.40	16.27	111.19	-422.59	799.63	671.09	639.36	31.73	21.151	
5,900.00	5,822.05	5,874.20	5,780.07	15.70	16.59	111.03	-430.50	816.46	683.45	651.12	32.34	21.136	
6,000.00	5,920.60	5,973.42	5,877.53	16.00	16.91	110.87	-438.42	833.28	695.82	662.87	32.95	21.119	
6,100.00	6,019.15	6,072.63	5,974.98	16.31	17.24	110.72	-446.33	850.10	708.19	674.63	33.56	21.102	
6,200.00	6,117.70	6,171.85	6,072.44	16.61	17.56	110.58	-454.25	866.92	720.57	686.39	34.18	21.084	
6,300.00	6,216.25	6,271.06	6,169.90	16.92	17.88	110.44	-462.17	883.74	732.95	698.16	34.79	21.065	
6,400.00	6,314.80	6,370.28	6,267.36	17.22	18.21	110.30	-470.08	900.56	745.34	709.92	35.42	21.046	
6,500.00	6,413.35	6,469.49	6,364.81	17.53	18.54	110.17	-478.00	917.38	757.73	721.69	36.04	21.026	
6,600.00	6,512.28	6,558.84	6,453.20	17.79	18.74	128.54	-485.21	927.74	770.43	733.95	36.48	21.119	
6,700.00	6,612.08	6,646.74	6,540.71	17.94	18.87	-110.35	-492.42	925.81	783.15	746.41	36.74	21.318	
6,800.00	6,710.50	6,734.62	6,627.10	18.03	18.94	-92.74	-499.62	911.82	795.46	758.60	36.87	21.577	
6,900.00	6,805.12	6,822.74	6,710.97	18.06	18.98	-88.01	-506.68	885.95	807.10	770.21	36.89	21.877	
7,000.00	6,893.62	6,911.33	6,790.88	18.06	18.98	-85.70	-513.49	848.49	817.80	780.95	36.85	22.194	
7,100.00	6,973.81	7,000.63	6,865.39	18.03	18.95	-84.38	-519.93	799.84	827.33	790.56	36.77	22.499	
7,200.00	7,043.73	7,090.85	6,933.04	18.03	18.91	-83.63	-525.86	740.55	835.49	798.77	36.72	22.754	
7,300.00	7,101.64	7,182.20	6,992.34	18.07	18.87	-83.31	-531.18	671.36	842.13	805.39	36.74	22.919	
7,400.00	7,146.13	7,274.90	7,041.79	18.19	18.85	-83.33	-535.73	593.19	847.13	810.22	36.91	22.953	
7,500.00	7,176.09	7,369.12	7,079.92	18.41	18.87	-83.65	-539.41	507.20	850.39	813.14	37.25	22.830	
7,600.00	7,190.80	7,465.02	7,105.32	18.73	18.96	-84.25	-542.07	414.86	851.86	814.07	37.79	22.541	
7,700.00	7,190.87	7,562.82	7,116.71	19.15	19.15	-85.01	-543.62	317.83	851.65	813.12	38.54	22.100	
7,800.00	7,187.69	7,662.56	7,115.50	19.71	19.47	-85.14	-544.14	218.12	851.17	811.64	39.53	21.533	
7,900.00	7,184.51	7,762.56	7,112.87	20.39	19.95	-85.18	-544.55	118.16	850.69	809.93	40.76	20.870	
8,000.00	7,181.33	7,862.56	7,110.24	21.17	20.58	-85.21	-544.95	18.20	850.21	807.99	42.22	20.136	
8,100.00	7,178.15	7,962.56	7,107.61	22.06	21.34	-85.24	-545.36	-81.77	849.73	805.84	43.89	19.359	
8,200.00	7,174.98	8,062.55	7,104.98	23.03	22.22	-85.28	-545.77	-181.73	849.25	803.51	45.75	18.564	
8,300.00	7,171.80	8,162.55	7,102.36	24.08	23.19	-85.31	-546.17	-281.69	848.78	801.01	47.76	17.770	
8,400.00	7,168.62	8,262.55	7,099.73	25.19	24.24	-85.35	-546.58	-381.65	848.30	798.37	49.92	16.992	
8,500.00	7,165.44	8,362.55	7,097.10	26.36	25.36	-85.38	-546.99	-481.61	847.82	795.61	52.21	16.239	
8,600.00	7,162.26	8,462.54	7,094.47	27.59	26.54	-85.42	-547.40	-581.58	847.34	792.74	54.60	15.518	
8,700.00	7,159.08	8,562.54	7,091.84	28.86	27.77	-85.45	-547.80	-681.54	846.87	789.77	57.09	14.833	
8,800.00	7,155.90	8,662.54	7,089.22	30.16	29.05	-85.49	-548.21	-781.50	846.39	786.72	59.67	14.185	
8,900.00	7,152.72	8,762.54	7,086.59	31.50	30.36	-85.52	-548.62	-881.46	845.91	783.60	62.32	13.575	
9,000.00	7,149.54	8,862.53	7,083.96	32.88	31.71	-85.56	-549.02	-981.43	845.44	780.41	65.03	13.001	
9,100.00	7,146.36	8,962.53	7,081.33	34.28	33.08	-85.59	-549.43	-1,081.39	844.96	777.17	67.79	12.464	
9,200.00	7,143.18	9,062.53	7,078.71	35.70	34.49	-85.63	-549.84	-1,181.35	844.49	773.88	70.61	11.960	
9,300.00	7,140.00	9,162.53	7,076.08	37.14	35.91	-85.66	-550.25	-1,281.31	844.01	770.54	73.47	11.488	
9,400.00	7,136.82	9,262.52	7,073.45	38.60	37.36	-85.70	-550.65	-1,381.27	843.54	767.17	76.37	11.045	
9,500.00	7,133.64	9,362.52	7,070.82	40.08	38.82	-85.73	-551.06	-1,481.24	843.06	763.76	79.31	10.630	
9,600.00	7,130.46	9,462.52	7,068.19	41.57	40.30	-85.77	-551.47	-1,581.20	842.59	760.32	82.27	10.241	
9,700.00	7,127.28	9,562.52	7,065.57	43.08	41.80	-85.80	-551.87	-1,681.16	842.12	756.85	85.27	9.876	
9,800.00	7,124.10	9,662.51	7,062.94	44.59	43.30	-85.84	-552.28	-1,781.12	841.64	753.36	88.28	9.533	
9,900.00	7,120.92	9,762.51	7,060.31	46.12	44.82	-85.87	-552.69	-1,881.09	841.17	749.85	91.33	9.211	
10,000.00	7,117.74	9,862.51	7,057.68	47.66	46.35	-85.91	-553.10	-1,981.05	840.70	746.31	94.39	8.907	
10,100.00	7,114.57	9,962.51	7,055.05	49.20	47.89	-85.95	-553.50	-2,081.01	840.23	742.76	97.47	8.621	
10,200.00	7,111.39	10,062.50	7,052.43	50.76	49.44	-85.98	-553.91	-2,180.97	839.75	739.19	100.56	8.350	
10,300.00	7,108.21	10,162.50	7,049.80	52.32	50.99	-86.02	-554.32	-2,280.93	839.28	735.61	103.68	8.095	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
10,400.00	7,105.03	10,262.50	7,047.17	53.88	52.55	-86.05	-554.72	-2,380.90	838.81	732.01	106.80	7.854		
10,500.00	7,101.85	10,362.50	7,044.54	55.46	54.12	-86.09	-555.13	-2,480.86	838.34	728.40	109.94	7.625		
10,600.00	7,098.67	10,462.49	7,041.92	57.04	55.70	-86.12	-555.54	-2,580.82	837.87	724.78	113.09	7.409		
10,700.00	7,095.49	10,562.49	7,039.29	58.62	57.28	-86.16	-555.95	-2,680.78	837.40	721.15	116.25	7.203		
10,800.00	7,092.31	10,662.49	7,036.66	60.21	58.86	-86.19	-556.35	-2,780.74	836.93	717.51	119.42	7.008		
10,900.00	7,089.13	10,762.49	7,034.03	61.80	60.45	-86.23	-556.76	-2,880.71	836.46	713.86	122.60	6.823		
11,000.00	7,085.95	10,862.48	7,031.40	63.40	62.04	-86.27	-557.17	-2,980.67	835.99	710.20	125.79	6.646		
11,100.00	7,082.77	10,962.48	7,028.78	65.00	63.64	-86.30	-557.57	-3,080.63	835.52	706.53	128.99	6.478		
11,200.00	7,079.59	11,062.48	7,026.15	66.61	65.24	-86.34	-557.98	-3,180.59	835.05	702.86	132.19	6.317		
11,300.00	7,076.41	11,162.48	7,023.52	68.21	66.85	-86.37	-558.39	-3,280.56	834.58	699.18	135.40	6.164		
11,400.00	7,073.23	11,262.47	7,020.89	69.82	68.46	-86.41	-558.80	-3,380.52	834.12	695.50	138.62	6.017		
11,500.00	7,070.05	11,362.47	7,018.27	71.44	70.07	-86.45	-559.20	-3,480.48	833.65	691.81	141.84	5.877		
11,600.00	7,066.87	11,462.47	7,015.64	73.05	71.68	-86.48	-559.61	-3,580.44	833.18	688.11	145.07	5.743		
11,700.00	7,063.69	11,562.47	7,013.01	74.67	73.30	-86.52	-560.02	-3,680.40	832.71	684.41	148.30	5.615		
11,800.00	7,060.51	11,662.46	7,010.38	76.29	74.92	-86.55	-560.42	-3,780.37	832.25	680.71	151.54	5.492		
11,900.00	7,057.33	11,762.46	7,007.75	77.92	76.54	-86.59	-560.83	-3,880.33	831.78	677.00	154.78	5.374		
12,000.00	7,054.15	11,862.46	7,005.13	79.54	78.16	-86.63	-561.24	-3,980.29	831.31	673.28	158.03	5.260		
12,100.00	7,050.98	11,962.46	7,002.50	81.17	79.79	-86.66	-561.64	-4,080.25	830.85	669.57	161.28	5.152		
12,200.00	7,047.80	12,062.45	6,999.87	82.80	81.41	-86.70	-562.05	-4,180.22	830.38	665.85	164.54	5.047		
12,300.00	7,044.62	12,162.45	6,997.24	84.43	83.04	-86.73	-562.46	-4,280.18	829.92	662.12	167.79	4.946		
12,400.00	7,041.44	12,262.45	6,994.61	86.06	84.67	-86.77	-562.87	-4,380.14	829.45	658.40	171.06	4.849		
12,500.00	7,038.26	12,362.45	6,991.99	87.69	86.30	-86.81	-563.27	-4,480.10	828.99	654.67	174.32	4.756		
12,600.00	7,035.08	12,462.44	6,989.36	89.33	87.94	-86.84	-563.68	-4,580.06	828.52	650.94	177.59	4.665		
12,700.00	7,031.90	12,562.44	6,986.73	90.96	89.57	-86.88	-564.09	-4,680.03	828.06	647.20	180.86	4.578		
12,800.00	7,028.72	12,662.44	6,984.10	92.60	91.21	-86.92	-564.49	-4,779.99	827.60	643.46	184.13	4.495		
12,900.00	7,025.54	12,762.44	6,981.48	94.24	92.85	-86.95	-564.90	-4,879.95	827.13	639.73	187.41	4.414		
13,000.00	7,022.36	12,862.43	6,978.85	95.88	94.49	-86.99	-565.31	-4,979.91	826.67	635.98	190.69	4.335		
13,100.00	7,019.18	12,962.43	6,976.22	97.52	96.13	-87.03	-565.72	-5,079.87	826.21	632.24	193.97	4.259		
13,200.00	7,016.00	13,062.43	6,973.59	99.16	97.77	-87.06	-566.12	-5,179.84	825.75	628.49	197.25	4.186		
13,300.00	7,012.82	13,162.43	6,970.96	100.80	99.41	-87.10	-566.53	-5,279.80	825.29	624.75	200.54	4.115		
13,400.00	7,009.64	13,262.43	6,968.34	102.44	101.05	-87.14	-566.94	-5,379.76	824.82	621.00	203.83	4.047		
13,500.00	7,006.46	13,362.42	6,965.71	104.09	102.70	-87.17	-567.34	-5,479.72	824.36	617.25	207.11	3.980		
13,600.00	7,003.28	13,462.42	6,963.08	105.73	104.34	-87.21	-567.75	-5,579.69	823.90	613.50	210.41	3.916		
13,700.00	7,000.10	13,562.42	6,960.45	107.38	105.99	-87.25	-568.16	-5,679.65	823.44	609.74	213.70	3.853		
13,800.00	6,996.92	13,662.42	6,957.82	109.03	107.63	-87.28	-568.57	-5,779.61	822.98	605.99	216.99	3.793		
13,900.00	6,993.74	13,762.41	6,955.20	110.67	109.28	-87.32	-568.97	-5,879.57	822.52	602.23	220.29	3.734		
14,000.00	6,990.57	13,862.41	6,952.57	112.32	110.93	-87.36	-569.38	-5,979.53	822.06	598.48	223.59	3.677		
14,100.00	6,987.39	13,962.41	6,949.94	113.97	112.58	-87.39	-569.79	-6,079.50	821.60	594.72	226.89	3.621		
14,200.00	6,984.21	14,062.41	6,947.31	115.62	114.22	-87.43	-570.19	-6,179.46	821.15	590.96	230.19	3.567		
14,300.00	6,981.03	14,162.40	6,944.69	117.27	115.87	-87.47	-570.60	-6,279.42	820.69	587.20	233.49	3.515		
14,400.00	6,977.85	14,262.40	6,942.06	118.92	117.53	-87.51	-571.01	-6,379.38	820.23	583.44	236.79	3.464		
14,500.00	6,974.67	14,362.40	6,939.43	120.57	119.18	-87.54	-571.42	-6,479.35	819.77	579.67	240.10	3.414		
14,600.00	6,971.49	14,462.40	6,936.80	122.22	120.83	-87.58	-571.82	-6,579.31	819.31	575.91	243.40	3.366		
14,700.00	6,968.31	14,562.39	6,934.17	123.87	122.48	-87.62	-572.23	-6,679.27	818.86	572.15	246.71	3.319		
14,800.00	6,965.13	14,662.39	6,931.55	125.53	124.13	-87.66	-572.64	-6,779.23	818.40	568.38	250.02	3.273		
14,900.00	6,961.95	14,762.39	6,928.92	127.18	125.79	-87.69	-573.04	-6,879.19	817.94	564.62	253.33	3.229		
15,000.00	6,958.77	14,862.39	6,926.29	128.83	127.44	-87.73	-573.45	-6,979.16	817.49	560.85	256.64	3.185		
15,100.00	6,955.59	14,962.38	6,923.66	130.49	129.09	-87.77	-573.86	-7,079.12	817.03	557.09	259.95	3.143		
15,200.00	6,952.41	15,062.38	6,921.04	132.14	130.75	-87.81	-574.27	-7,179.08	816.58	553.32	263.26	3.102		
15,300.00	6,949.23	15,162.38	6,918.41	133.80	132.40	-87.84	-574.67	-7,279.04	816.12	549.55	266.57	3.062		
15,400.00	6,946.05	15,262.38	6,915.78	135.45	134.06	-87.88	-575.08	-7,379.00	815.67	545.78	269.89	3.022		
15,500.00	6,942.87	15,362.37	6,913.15	137.11	135.71	-87.92	-575.49	-7,478.97	815.21	542.01	273.20	2.984		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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						
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
15,533.10	6,941.82	15,395.47	6,912.28	137.66	136.26	-87.93	-575.62	-7,512.05	815.06	540.77	274.30	2.971 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	0.00	0.00	3.28	3.28	-89.55	1.09	-140.04	140.04				
100.00	100.00	100.00	100.00	3.28	3.28	-89.55	1.09	-140.04	140.04	132.52	7.53	18.601	
200.00	200.00	200.00	200.00	3.31	3.31	-89.55	1.09	-140.04	140.04	132.47	7.57	18.490 CC, ES	
300.00	299.98	301.97	301.97	3.35	3.35	-164.37	0.79	-139.68	141.37	133.71	7.66	18.456	
400.00	399.84	405.84	405.76	3.42	3.41	-165.89	-1.59	-136.76	143.65	135.87	7.78	18.466	
500.00	499.45	509.47	509.11	3.51	3.50	-168.64	-6.34	-130.95	146.77	138.83	7.94	18.479	
600.00	598.70	612.68	611.71	3.63	3.61	-172.49	-13.43	-122.30	151.18	143.02	8.16	18.537	
700.00	697.47	715.31	713.27	3.78	3.77	-177.20	-22.79	-110.86	157.40	148.97	8.43	18.674	
800.00	796.02	817.36	813.66	3.97	3.96	177.45	-34.38	-96.71	163.96	155.20	8.76	18.708	
900.00	894.57	917.64	911.67	4.18	4.20	171.67	-47.81	-80.30	170.25	161.07	9.18	18.550	
1,000.00	993.12	1,015.95	1,007.61	4.41	4.47	166.25	-61.39	-63.70	177.87	168.21	9.66	18.416	
1,100.00	1,091.67	1,114.26	1,103.55	4.67	4.76	161.30	-74.97	-47.11	186.98	176.79	10.19	18.354	
1,200.00	1,190.22	1,212.57	1,199.49	4.94	5.08	156.83	-88.56	-30.51	197.37	186.61	10.76	18.346	
1,300.00	1,288.77	1,310.88	1,295.44	5.22	5.42	152.82	-102.14	-13.91	208.85	197.49	11.36	18.382	
1,400.00	1,387.32	1,409.19	1,391.38	5.52	5.77	149.24	-115.72	2.68	221.25	209.26	11.99	18.451	
1,500.00	1,485.87	1,507.50	1,487.32	5.82	6.14	146.04	-129.31	19.28	234.43	221.78	12.64	18.543	
1,600.00	1,584.42	1,605.81	1,583.26	6.14	6.51	143.18	-142.89	35.87	248.25	234.94	13.31	18.651	
1,700.00	1,682.97	1,704.12	1,679.21	6.46	6.89	140.63	-156.47	52.47	262.63	248.64	13.99	18.770	
1,800.00	1,781.52	1,802.43	1,775.15	6.79	7.28	138.34	-170.06	69.06	277.47	262.79	14.68	18.900	
1,900.00	1,880.07	1,900.74	1,871.09	6.96	7.50	136.29	-183.64	85.66	292.70	278.02	14.68	19.933	
2,000.00	1,978.62	2,000.95	1,967.03	7.00	7.55	134.44	-197.22	102.25	308.27	293.50	14.77	20.870	
2,100.00	2,077.17	2,102.64	2,062.98	7.06	7.62	132.76	-210.81	118.85	324.12	309.23	14.89	21.766	
2,200.00	2,175.71	2,204.33	2,158.92	7.13	7.71	131.25	-224.39	135.44	340.22	325.18	15.04	22.614	
2,300.00	2,274.26	2,306.02	2,254.86	7.21	7.82	129.87	-237.97	152.04	356.54	341.31	15.23	23.411	
2,400.00	2,372.81	2,407.71	2,350.80	7.31	7.95	128.61	-251.56	168.64	373.03	357.59	15.45	24.152	
2,500.00	2,471.36	2,490.60	2,446.75	7.43	8.07	127.45	-265.14	185.23	389.69	374.03	15.66	24.879	
2,600.00	2,569.91	2,588.91	2,542.69	7.55	8.22	126.39	-278.72	201.83	406.49	390.57	15.93	25.520	
2,700.00	2,668.46	2,687.22	2,638.63	7.69	8.39	125.42	-292.31	218.42	423.42	407.20	16.22	26.105	
2,800.00	2,767.01	2,785.53	2,734.57	7.84	8.57	124.52	-305.89	235.02	440.46	423.92	16.54	26.637	
2,900.00	2,865.56	2,883.84	2,830.52	8.01	8.77	123.69	-319.47	251.61	457.59	440.72	16.87	27.118	
3,000.00	2,964.11	2,982.15	2,926.46	8.18	8.97	122.91	-333.06	268.21	474.81	457.58	17.23	27.551	
3,100.00	3,062.66	3,080.46	3,022.40	8.36	9.19	122.19	-346.64	284.80	492.11	474.50	17.61	27.937	
3,200.00	3,161.21	3,178.77	3,118.34	8.55	9.42	121.52	-360.22	301.40	509.48	491.47	18.01	28.282	
3,300.00	3,259.76	3,277.08	3,214.29	8.76	9.65	120.90	-373.81	317.99	526.92	508.49	18.43	28.588	
3,400.00	3,358.31	3,375.39	3,310.23	8.96	9.90	120.31	-387.39	334.59	544.41	525.54	18.87	28.858	
3,500.00	3,456.86	3,473.70	3,406.17	9.18	10.15	119.76	-400.97	351.19	561.95	542.64	19.31	29.096	
3,600.00	3,555.41	3,572.01	3,502.11	9.40	10.42	119.25	-414.56	367.78	579.54	559.77	19.78	29.304	
3,700.00	3,653.96	3,670.32	3,598.06	9.63	10.68	118.76	-428.14	384.38	597.18	576.92	20.25	29.485	
3,800.00	3,752.51	3,768.63	3,694.00	9.87	10.96	118.30	-441.72	400.97	614.85	594.11	20.74	29.643	
3,900.00	3,851.06	3,866.94	3,789.94	10.11	11.24	117.87	-455.31	417.57	632.56	611.32	21.24	29.779	
4,000.00	3,949.61	3,965.25	3,885.88	10.36	11.53	117.46	-468.89	434.16	650.30	628.55	21.75	29.896	
4,100.00	4,048.16	4,063.56	3,981.83	10.61	11.82	117.07	-482.47	450.76	668.07	645.80	22.27	29.996	
4,200.00	4,146.71	4,161.87	4,077.77	10.87	12.12	116.71	-496.06	467.35	685.87	663.07	22.80	30.080	
4,300.00	4,245.26	4,260.18	4,173.71	11.13	12.42	116.36	-509.64	483.95	703.70	680.36	23.34	30.151	
4,400.00	4,343.81	4,358.49	4,269.65	11.39	12.73	116.03	-523.22	500.54	721.55	697.67	23.89	30.209	
4,500.00	4,442.36	4,456.80	4,365.60	11.66	13.04	115.71	-536.81	517.14	739.42	714.99	24.44	30.257	
4,600.00	4,540.91	4,555.11	4,461.54	11.94	13.35	115.41	-550.39	533.74	757.32	732.32	25.00	30.295	
4,700.00	4,639.46	4,653.42	4,557.48	12.21	13.67	115.12	-563.98	550.33	775.23	749.67	25.56	30.325	
4,800.00	4,738.01	4,751.73	4,653.42	12.49	13.99	114.85	-577.56	566.93	793.16	767.02	26.14	30.347	
4,900.00	4,836.56	4,850.04	4,749.37	12.77	14.31	114.59	-591.14	583.52	811.11	784.39	26.71	30.362	
5,000.00	4,935.11	4,948.35	4,845.31	13.05	14.63	114.34	-604.73	600.12	829.07	801.77	27.30	30.372	
5,100.00	5,033.66	5,046.66	4,941.25	13.34	14.96	114.10	-618.31	616.71	847.05	819.16	27.89	30.376	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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		
5,200.00	5,132.21	5,144.97	5,037.19	13.63	15.29	113.87	-631.89	633.31	865.04	836.56	28.48	30.376		
5,300.00	5,230.76	5,243.28	5,133.14	13.92	15.63	113.65	-645.48	649.90	883.05	853.97	29.07	30.372		
5,400.00	5,329.30	5,341.59	5,229.08	14.21	15.96	113.43	-659.06	666.50	901.06	871.39	29.68	30.364		
5,500.00	5,427.85	5,439.90	5,325.02	14.50	16.30	113.23	-672.64	683.09	919.09	888.81	30.28	30.353		
5,600.00	5,526.40	5,538.21	5,420.96	14.80	16.64	113.04	-686.23	699.69	937.13	906.24	30.89	30.340		
5,700.00	5,624.95	5,636.52	5,516.91	15.10	16.98	112.85	-699.81	716.29	955.18	923.68	31.50	30.324		
5,800.00	5,723.50	5,734.83	5,612.85	15.40	17.32	112.67	-713.39	732.88	973.24	941.12	32.11	30.306		
5,900.00	5,822.05	5,833.14	5,708.79	15.70	17.66	112.49	-726.98	749.48	991.31	958.58	32.73	30.286		
6,000.00	5,920.60	5,931.45	5,804.73	16.00	18.01	112.32	-740.56	766.07	1,009.38	976.03	33.35	30.265		
6,100.00	6,019.15	6,029.76	5,900.68	16.31	18.35	112.16	-754.14	782.67	1,027.47	993.49	33.97	30.242		
6,200.00	6,117.70	6,128.07	5,996.62	16.61	18.70	112.00	-767.73	799.26	1,045.56	1,010.96	34.60	30.218		
6,300.00	6,216.25	6,226.38	6,092.56	16.92	19.05	111.85	-781.31	815.86	1,063.66	1,028.43	35.23	30.193		
6,400.00	6,314.80	6,324.69	6,188.50	17.22	19.40	111.71	-794.89	832.45	1,081.77	1,045.91	35.86	30.168		
6,500.00	6,413.35	6,423.00	6,284.44	17.53	19.75	111.56	-808.48	849.05	1,099.88	1,063.39	36.49	30.141		
6,600.00	6,512.28	6,521.20	6,380.28	17.79	20.10	129.86	-822.04	865.63	1,117.68	1,080.62	37.06	30.157		
6,700.00	6,612.08	6,614.63	6,471.49	17.94	20.43	-109.63	-834.96	881.22	1,133.95	1,096.48	37.47	30.260		
6,800.00	6,710.50	6,694.31	6,550.04	18.03	20.62	-92.67	-846.16	887.88	1,149.63	1,111.96	37.67	30.521		
6,900.00	6,805.12	6,776.18	6,630.94	18.06	20.75	-88.54	-857.82	884.34	1,165.02	1,127.28	37.74	30.866		
7,000.00	6,893.62	6,860.83	6,713.38	18.06	20.84	-86.81	-869.82	869.69	1,179.93	1,142.18	37.75	31.257		
7,100.00	6,973.81	6,948.98	6,796.37	18.03	20.89	-86.04	-882.05	842.85	1,194.12	1,156.41	37.71	31.666		
7,200.00	7,043.73	7,041.45	6,878.59	18.03	20.91	-85.83	-894.31	802.53	1,207.36	1,169.70	37.66	32.058		
7,300.00	7,101.64	7,139.19	6,958.21	18.07	20.88	-86.01	-906.38	747.32	1,219.39	1,181.74	37.66	32.383		
7,400.00	7,146.13	7,243.25	7,032.71	18.19	20.83	-86.52	-917.90	675.75	1,229.93	1,192.18	37.74	32.588		
7,500.00	7,176.09	7,354.72	7,098.56	18.41	20.75	-87.32	-928.39	586.60	1,238.61	1,200.63	37.98	32.612		
7,600.00	7,190.80	7,474.58	7,151.01	18.73	20.67	-88.37	-937.15	479.38	1,245.06	1,206.62	38.44	32.388		
7,700.00	7,190.87	7,603.70	7,184.20	19.15	20.60	-89.65	-943.35	354.98	1,248.87	1,209.70	39.17	31.881		
7,800.00	7,187.69	7,738.69	7,191.69	19.71	20.61	-90.19	-945.98	220.47	1,249.95	1,209.70	40.25	31.054		
7,900.00	7,184.51	7,838.69	7,188.04	20.39	20.79	-90.17	-946.60	120.54	1,249.74	1,208.33	41.41	30.181		
8,000.00	7,181.33	7,938.69	7,184.38	21.17	21.19	-90.14	-947.23	20.61	1,249.52	1,206.73	42.79	29.202		
8,100.00	7,178.15	8,038.68	7,180.73	22.06	21.80	-90.12	-947.86	-79.32	1,249.31	1,204.93	44.38	28.150		
8,200.00	7,174.98	8,138.68	7,177.08	23.03	22.59	-90.10	-948.49	-179.25	1,249.09	1,202.93	46.16	27.060		
8,300.00	7,171.80	8,238.68	7,173.43	24.08	23.49	-90.08	-949.11	-279.18	1,248.88	1,200.77	48.11	25.959		
8,400.00	7,168.62	8,338.68	7,169.78	25.19	24.49	-90.06	-949.74	-379.11	1,248.67	1,198.46	50.21	24.870		
8,500.00	7,165.44	8,438.68	7,166.12	26.36	25.56	-90.04	-950.37	-479.04	1,248.45	1,196.02	52.44	23.809		
8,600.00	7,162.26	8,538.68	7,162.47	27.59	26.70	-90.01	-951.00	-578.97	1,248.24	1,193.46	54.78	22.787		
8,700.00	7,159.08	8,638.68	7,158.82	28.86	27.89	-89.99	-951.62	-678.90	1,248.03	1,190.80	57.22	21.810		
8,800.00	7,155.90	8,738.68	7,155.17	30.16	29.13	-89.97	-952.25	-778.83	1,247.81	1,188.06	59.75	20.883		
8,900.00	7,152.72	8,838.67	7,151.51	31.50	30.40	-89.95	-952.88	-878.76	1,247.60	1,185.24	62.36	20.006		
9,000.00	7,149.54	8,938.67	7,147.86	32.88	31.72	-89.93	-953.51	-978.69	1,247.39	1,182.35	65.04	19.179		
9,100.00	7,146.36	9,038.67	7,144.21	34.28	33.06	-89.91	-954.14	-1,078.62	1,247.17	1,179.40	67.78	18.401		
9,200.00	7,143.18	9,138.67	7,140.56	35.70	34.43	-89.88	-954.76	-1,178.55	1,246.96	1,176.40	70.56	17.671		
9,300.00	7,140.00	9,238.67	7,136.91	37.14	35.83	-89.86	-955.39	-1,278.48	1,246.75	1,173.35	73.40	16.985		
9,400.00	7,136.82	9,338.67	7,133.25	38.60	37.25	-89.84	-956.02	-1,378.41	1,246.54	1,170.26	76.28	16.342		
9,500.00	7,133.64	9,438.67	7,129.60	40.08	38.69	-89.82	-956.65	-1,478.34	1,246.32	1,167.13	79.19	15.738		
9,600.00	7,130.46	9,538.66	7,125.95	41.57	40.14	-89.80	-957.27	-1,578.27	1,246.11	1,163.97	82.14	15.171		
9,700.00	7,127.28	9,638.66	7,122.30	43.08	41.62	-89.77	-957.90	-1,678.20	1,245.90	1,160.78	85.12	14.638		
9,800.00	7,124.10	9,738.66	7,118.64	44.59	43.10	-89.75	-958.53	-1,778.13	1,245.69	1,157.57	88.12	14.137		
9,900.00	7,120.92	9,838.66	7,114.99	46.12	44.60	-89.73	-959.16	-1,878.06	1,245.48	1,154.33	91.15	13.665		
10,000.00	7,117.74	9,938.66	7,111.34	47.66	46.11	-89.71	-959.78	-1,977.99	1,245.27	1,151.07	94.19	13.220		
10,100.00	7,114.57	10,038.66	7,107.69	49.20	47.63	-89.69	-960.41	-2,077.92	1,245.06	1,147.79	97.26	12.801		
10,200.00	7,111.39	10,138.66	7,104.04	50.76	49.16	-89.67	-961.04	-2,177.85	1,244.84	1,144.50	100.35	12.405		
10,300.00	7,108.21	10,238.65	7,100.38	52.32	50.70	-89.64	-961.67	-2,277.78	1,244.63	1,141.19	103.45	12.032		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
10,400.00	7,105.03	10,338.65	7,096.73	53.88	52.25	-89.62	-962.29	-2,377.71	1,244.42	1,137.86	106.56	11.678	
10,500.00	7,101.85	10,438.65	7,093.08	55.46	53.80	-89.60	-962.92	-2,477.64	1,244.21	1,134.52	109.69	11.343	
10,600.00	7,098.67	10,538.65	7,089.43	57.04	55.36	-89.58	-963.55	-2,577.57	1,244.00	1,131.17	112.83	11.025	
10,700.00	7,095.49	10,638.65	7,085.77	58.62	56.93	-89.56	-964.18	-2,677.50	1,243.79	1,127.81	115.99	10.724	
10,800.00	7,092.31	10,738.65	7,082.12	60.21	58.50	-89.53	-964.80	-2,777.43	1,243.58	1,124.43	119.15	10.437	
10,900.00	7,089.13	10,838.65	7,078.47	61.80	60.08	-89.51	-965.43	-2,877.36	1,243.37	1,121.05	122.32	10.165	
11,000.00	7,085.95	10,938.65	7,074.82	63.40	61.66	-89.49	-966.06	-2,977.29	1,243.16	1,117.66	125.50	9.905	
11,100.00	7,082.77	11,038.64	7,071.17	65.00	63.25	-89.47	-966.69	-3,077.22	1,242.96	1,114.26	128.69	9.658	
11,200.00	7,079.59	11,138.64	7,067.51	66.61	64.84	-89.45	-967.31	-3,177.15	1,242.75	1,110.86	131.89	9.422	
11,300.00	7,076.41	11,238.64	7,063.86	68.21	66.43	-89.42	-967.94	-3,277.08	1,242.54	1,107.44	135.10	9.197	
11,400.00	7,073.23	11,338.64	7,060.21	69.82	68.03	-89.40	-968.57	-3,377.01	1,242.33	1,104.02	138.31	8.982	
11,500.00	7,070.05	11,438.64	7,056.56	71.44	69.63	-89.38	-969.20	-3,476.94	1,242.12	1,100.60	141.52	8.777	
11,600.00	7,066.87	11,538.64	7,052.90	73.05	71.24	-89.36	-969.82	-3,576.87	1,241.91	1,097.17	144.75	8.580	
11,700.00	7,063.69	11,638.64	7,049.25	74.67	72.84	-89.34	-970.45	-3,676.80	1,241.70	1,093.73	147.97	8.391	
11,800.00	7,060.51	11,738.63	7,045.60	76.29	74.46	-89.32	-971.08	-3,776.73	1,241.50	1,090.29	151.21	8.211	
11,900.00	7,057.33	11,838.63	7,041.95	77.92	76.07	-89.29	-971.71	-3,876.66	1,241.29	1,086.85	154.44	8.037	
12,000.00	7,054.15	11,938.63	7,038.30	79.54	77.68	-89.27	-972.34	-3,976.59	1,241.08	1,083.40	157.68	7.871	
12,100.00	7,050.98	12,038.63	7,034.64	81.17	79.30	-89.25	-972.96	-4,076.52	1,240.87	1,079.94	160.93	7.711	
12,200.00	7,047.80	12,138.63	7,030.99	82.80	80.92	-89.23	-973.59	-4,176.45	1,240.67	1,076.49	164.18	7.557	
12,300.00	7,044.62	12,238.63	7,027.34	84.43	82.54	-89.21	-974.22	-4,276.38	1,240.46	1,073.03	167.43	7.409	
12,400.00	7,041.44	12,338.63	7,023.69	86.06	84.17	-89.18	-974.85	-4,376.31	1,240.25	1,069.57	170.69	7.266	
12,500.00	7,038.26	12,438.63	7,020.03	87.69	85.79	-89.16	-975.47	-4,476.24	1,240.05	1,066.10	173.95	7.129	
12,600.00	7,035.08	12,538.62	7,016.38	89.33	87.42	-89.14	-976.10	-4,576.17	1,239.84	1,062.63	177.21	6.996	
12,700.00	7,031.90	12,638.62	7,012.73	90.96	89.05	-89.12	-976.73	-4,676.10	1,239.63	1,059.16	180.47	6.869	
12,800.00	7,028.72	12,738.62	7,009.08	92.60	90.68	-89.10	-977.36	-4,776.03	1,239.43	1,055.69	183.74	6.745	
12,900.00	7,025.54	12,838.62	7,005.43	94.24	92.31	-89.07	-977.98	-4,875.96	1,239.22	1,052.21	187.01	6.626	
13,000.00	7,022.36	12,938.62	7,001.77	95.88	93.94	-89.05	-978.61	-4,975.89	1,239.02	1,048.73	190.29	6.511	
13,100.00	7,019.18	13,038.62	6,998.12	97.52	95.58	-89.03	-979.24	-5,075.82	1,238.81	1,045.25	193.56	6.400	
13,200.00	7,016.00	13,138.62	6,994.47	99.16	97.21	-89.01	-979.87	-5,175.75	1,238.61	1,041.77	196.84	6.293	
13,300.00	7,012.82	13,238.61	6,990.82	100.80	98.85	-88.99	-980.49	-5,275.68	1,238.40	1,038.28	200.12	6.188	
13,400.00	7,009.64	13,338.61	6,987.17	102.44	100.49	-88.96	-981.12	-5,375.61	1,238.20	1,034.80	203.40	6.088	
13,500.00	7,006.46	13,438.61	6,983.51	104.09	102.13	-88.94	-981.75	-5,475.54	1,237.99	1,031.31	206.68	5.990	
13,600.00	7,003.28	13,538.61	6,979.86	105.73	103.77	-88.92	-982.38	-5,575.47	1,237.79	1,027.82	209.97	5.895	
13,700.00	7,000.10	13,638.61	6,976.21	107.38	105.41	-88.90	-983.00	-5,675.40	1,237.58	1,024.33	213.25	5.803	
13,800.00	6,996.92	13,738.61	6,972.56	109.03	107.05	-88.87	-983.63	-5,775.33	1,237.38	1,020.84	216.54	5.714	
13,900.00	6,993.74	13,838.61	6,968.90	110.67	108.69	-88.85	-984.26	-5,875.26	1,237.17	1,017.34	219.83	5.628	
14,000.00	6,990.57	13,938.61	6,965.25	112.32	110.34	-88.83	-984.89	-5,975.19	1,236.97	1,013.85	223.12	5.544	
14,100.00	6,987.39	14,038.60	6,961.60	113.97	111.98	-88.81	-985.51	-6,075.12	1,236.77	1,010.35	226.41	5.462	
14,200.00	6,984.21	14,138.60	6,957.95	115.62	113.62	-88.79	-986.14	-6,175.05	1,236.56	1,006.86	229.71	5.383	
14,300.00	6,981.03	14,238.60	6,954.30	117.27	115.27	-88.76	-986.77	-6,274.98	1,236.36	1,003.36	233.00	5.306	
14,400.00	6,977.85	14,338.60	6,950.64	118.92	116.92	-88.74	-987.40	-6,374.91	1,236.16	999.86	236.30	5.231	
14,500.00	6,974.67	14,438.60	6,946.99	120.57	118.56	-88.72	-988.02	-6,474.84	1,235.95	996.36	239.59	5.159	
14,600.00	6,971.49	14,538.60	6,943.34	122.22	120.21	-88.70	-988.65	-6,574.77	1,235.75	992.86	242.89	5.088	
14,700.00	6,968.31	14,638.60	6,939.69	123.87	121.86	-88.68	-989.28	-6,674.70	1,235.55	989.36	246.19	5.019	
14,800.00	6,965.13	14,738.59	6,936.03	125.53	123.51	-88.65	-989.91	-6,774.63	1,235.34	985.85	249.49	4.951	
14,900.00	6,961.95	14,838.59	6,932.38	127.18	125.16	-88.63	-990.54	-6,874.56	1,235.14	982.35	252.79	4.886	
15,000.00	6,958.77	14,938.59	6,928.73	128.83	126.81	-88.61	-991.16	-6,974.49	1,234.94	978.85	256.09	4.822	
15,100.00	6,955.59	15,038.59	6,925.08	130.49	128.46	-88.59	-991.79	-7,074.42	1,234.74	975.34	259.40	4.760	
15,200.00	6,952.41	15,138.59	6,921.43	132.14	130.11	-88.56	-992.42	-7,174.35	1,234.54	971.84	262.70	4.699	
15,300.00	6,949.23	15,238.59	6,917.77	133.80	131.76	-88.54	-993.05	-7,274.28	1,234.34	968.33	266.01	4.640	
15,400.00	6,946.05	15,338.59	6,914.12	135.45	133.42	-88.52	-993.67	-7,374.21	1,234.13	964.82	269.31	4.583	
15,500.00	6,942.87	15,438.58	6,910.47	137.11	135.07	-88.50	-994.30	-7,474.14	1,233.93	961.32	272.62	4.526	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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		
15,533.10	6,941.82	15,471.68	6,909.26	137.66	135.61	-88.49	-994.51	-7,507.21	1,233.87	960.16	273.71	4.508 SF		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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: 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	-89.84	2.94	-1,019.81	1,019.82				
100.00	100.00	100.00	100.00	3.28	3.28	-89.84	2.94	-1,019.81	1,019.82	1,012.29	7.53	135.455	
200.00	200.00	200.00	200.00	3.31	3.31	-89.84	2.94	-1,019.81	1,019.82	1,012.24	7.57	134.649	
300.00	299.98	338.26	338.21	3.35	3.37	-164.49	0.83	-1,017.22	1,019.62	1,011.95	7.67	132.860	
400.00	399.84	476.12	475.69	3.42	3.47	-164.95	-5.44	-1,009.49	1,019.07	1,011.24	7.83	130.218	
500.00	499.45	613.17	611.74	3.51	3.63	-165.72	-15.80	-996.72	1,018.25	1,010.21	8.04	126.639	
600.00	598.70	749.04	745.69	3.63	3.86	-166.78	-30.11	-979.08	1,017.32	1,009.00	8.33	122.179	
621.52	620.00	768.13	764.43	3.66	3.90	-166.95	-32.36	-976.31	1,017.25	1,008.86	8.39	121.250	CC, ES
700.00	697.47	845.59	840.52	3.78	4.06	-167.64	-41.52	-965.02	1,018.43	1,009.79	8.64	117.807	
800.00	796.02	944.23	937.41	3.97	4.30	-168.54	-53.19	-950.63	1,021.12	1,012.11	9.01	113.333	
900.00	894.57	1,042.88	1,034.30	4.18	4.57	-169.43	-64.86	-936.25	1,024.07	1,014.65	9.42	108.760	
1,000.00	993.12	1,141.52	1,131.19	4.41	4.85	-170.32	-76.52	-921.87	1,027.27	1,017.41	9.86	104.209	
1,100.00	1,091.67	1,240.17	1,228.08	4.67	5.15	-171.20	-88.19	-907.49	1,030.72	1,020.39	10.33	99.766	
1,200.00	1,190.22	1,338.81	1,324.98	4.94	5.47	-172.08	-99.86	-893.11	1,034.42	1,023.59	10.83	95.510	
1,300.00	1,288.77	1,437.46	1,421.87	5.22	5.79	-172.95	-111.52	-878.73	1,038.36	1,027.01	11.36	91.440	
1,400.00	1,387.32	1,536.10	1,518.76	5.52	6.13	-173.81	-123.19	-864.35	1,042.55	1,030.65	11.90	87.600	
1,500.00	1,485.87	1,634.75	1,615.65	5.82	6.47	-174.67	-134.86	-849.97	1,046.98	1,034.52	12.47	83.992	
1,600.00	1,584.42	1,733.39	1,712.54	6.14	6.82	-175.52	-146.52	-835.59	1,051.65	1,038.60	13.05	80.614	
1,700.00	1,682.97	1,832.04	1,809.43	6.46	7.13	-176.36	-158.19	-821.21	1,056.55	1,043.13	13.42	78.740	
1,800.00	1,781.52	1,930.68	1,906.32	6.79	7.28	-177.19	-169.86	-806.83	1,061.68	1,047.86	13.82	76.800	
1,900.00	1,880.07	2,029.33	2,003.22	6.96	7.32	-178.02	-181.53	-792.45	1,067.04	1,053.23	13.81	77.285	
2,000.00	1,978.62	2,127.97	2,100.11	7.00	7.39	-178.84	-193.19	-778.07	1,072.62	1,058.73	13.90	77.194	
2,100.00	2,077.17	2,226.62	2,197.00	7.06	7.47	-179.64	-204.86	-763.69	1,078.43	1,064.41	14.02	76.940	
2,200.00	2,175.71	2,325.26	2,293.89	7.13	7.57	-179.55	-216.53	-749.31	1,084.45	1,070.28	14.17	76.534	
2,300.00	2,274.26	2,423.91	2,390.78	7.21	7.68	-178.76	-228.19	-734.93	1,090.68	1,076.33	14.35	75.986	
2,400.00	2,372.81	2,522.56	2,487.67	7.31	7.81	-177.98	-239.86	-720.55	1,097.13	1,082.56	14.57	75.312	
2,500.00	2,471.36	2,621.20	2,584.56	7.43	7.95	-177.21	-251.53	-706.16	1,103.78	1,088.97	14.81	74.527	
2,600.00	2,569.91	2,719.85	2,681.46	7.55	8.11	-176.44	-263.19	-691.78	1,110.63	1,095.55	15.08	73.646	
2,700.00	2,668.46	2,818.49	2,778.35	7.69	8.27	-175.69	-274.86	-677.40	1,117.69	1,102.31	15.38	72.685	
2,800.00	2,767.01	2,917.14	2,875.24	7.84	8.45	-174.94	-286.53	-663.02	1,124.93	1,109.24	15.70	71.661	
2,900.00	2,865.56	3,015.78	2,972.13	8.01	8.64	-174.21	-298.20	-648.64	1,132.37	1,116.33	16.04	70.587	
3,000.00	2,964.11	3,114.43	3,069.02	8.18	8.84	-173.48	-309.86	-634.26	1,140.00	1,123.59	16.41	69.477	
3,100.00	3,062.66	3,213.07	3,165.91	8.36	9.05	-172.76	-321.53	-619.88	1,147.81	1,131.01	16.79	68.344	
3,200.00	3,161.21	3,311.72	3,262.80	8.55	9.27	-172.05	-333.20	-605.50	1,155.80	1,138.60	17.20	67.197	
3,300.00	3,259.76	3,410.36	3,359.70	8.76	9.50	-171.36	-344.86	-591.12	1,163.96	1,146.34	17.62	66.046	
3,400.00	3,358.31	3,509.01	3,456.59	8.96	9.73	-170.67	-356.53	-576.74	1,172.30	1,154.24	18.06	64.899	
3,500.00	3,456.86	3,607.65	3,553.48	9.18	9.97	-169.99	-368.20	-562.36	1,180.81	1,162.29	18.52	63.763	
3,600.00	3,555.41	3,706.30	3,650.37	9.40	10.22	-169.32	-379.86	-547.98	1,189.49	1,170.50	18.99	62.644	
3,700.00	3,653.96	3,804.94	3,747.26	9.63	10.48	-168.66	-391.53	-533.60	1,198.32	1,178.85	19.47	61.542	
3,800.00	3,752.51	3,903.59	3,844.15	9.87	10.74	-168.01	-403.20	-519.22	1,207.31	1,187.35	19.97	60.466	
3,900.00	3,851.06	4,002.23	3,941.04	10.11	11.00	-167.37	-414.86	-504.84	1,216.46	1,195.99	20.47	59.417	
4,000.00	3,949.61	4,100.88	4,037.94	10.36	11.27	-166.74	-426.53	-490.46	1,225.76	1,204.77	20.99	58.395	
4,100.00	4,048.16	4,200.48	4,134.83	10.61	11.55	-166.12	-438.20	-476.08	1,235.21	1,213.69	21.52	57.396	
4,200.00	4,146.71	4,301.83	4,231.72	10.87	11.84	-165.50	-449.87	-461.69	1,244.80	1,222.74	22.07	56.415	
4,300.00	4,245.26	4,396.81	4,328.61	11.13	12.11	-164.90	-461.53	-447.31	1,254.54	1,231.94	22.60	55.511	
4,400.00	4,343.81	4,504.54	4,425.50	11.39	12.43	-164.31	-473.20	-432.93	1,264.41	1,241.23	23.18	54.549	
4,500.00	4,442.36	4,605.90	4,522.39	11.66	12.73	-163.72	-484.87	-418.55	1,274.41	1,250.67	23.75	53.665	
4,600.00	4,540.91	4,707.25	4,619.28	11.94	13.03	-163.15	-496.53	-404.17	1,284.55	1,260.23	24.32	52.812	
4,700.00	4,639.46	4,808.61	4,716.17	12.21	13.33	-162.58	-508.20	-389.79	1,294.82	1,269.91	24.91	51.990	
4,800.00	4,738.01	4,909.96	4,813.07	12.49	13.64	-162.02	-519.87	-375.41	1,305.21	1,279.71	25.49	51.198	
4,900.00	4,836.56	4,988.68	4,909.96	12.77	13.89	-161.47	-531.53	-361.03	1,315.72	1,289.70	26.02	50.571	
5,000.00	4,935.11	5,087.33	5,006.85	13.05	14.19	-160.93	-543.20	-346.65	1,326.36	1,299.75	26.61	49.849	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	
5,100.00	5,033.66	5,185.97	5,103.74	13.34	14.50	160.40	-554.87	-332.27	1,337.11	1,309.90	27.20	49.154		
5,200.00	5,132.21	5,284.62	5,200.63	13.63	14.81	159.88	-566.54	-317.89	1,347.97	1,320.17	27.80	48.485		
5,300.00	5,230.76	5,383.26	5,297.52	13.92	15.12	159.36	-578.20	-303.51	1,358.95	1,330.54	28.41	47.842		
5,400.00	5,329.30	5,481.91	5,394.41	14.21	15.43	158.85	-589.87	-289.13	1,370.03	1,341.02	29.01	47.222		
5,500.00	5,427.85	5,580.55	5,491.31	14.50	15.75	158.36	-601.54	-274.75	1,381.22	1,351.60	29.62	46.626		
5,600.00	5,526.40	5,679.20	5,588.20	14.80	16.07	157.86	-613.20	-260.37	1,392.51	1,362.27	30.24	46.052		
5,700.00	5,624.95	5,777.84	5,685.09	15.10	16.38	157.38	-624.87	-245.99	1,403.91	1,373.05	30.86	45.499		
5,800.00	5,723.50	5,876.49	5,781.98	15.40	16.70	156.90	-636.54	-231.61	1,415.40	1,383.92	31.48	44.967		
5,900.00	5,822.05	5,975.14	5,878.87	15.70	17.03	156.44	-648.20	-217.22	1,426.99	1,394.89	32.10	44.454		
6,000.00	5,920.60	6,073.78	5,975.76	16.00	17.35	155.98	-659.87	-202.84	1,438.67	1,405.94	32.73	43.960		
6,100.00	6,019.15	6,172.43	6,072.65	16.31	17.67	155.52	-671.54	-188.46	1,450.44	1,417.09	33.36	43.485		
6,200.00	6,117.70	6,271.07	6,169.55	16.61	18.00	155.08	-683.20	-174.08	1,462.31	1,428.32	33.99	43.026		
6,300.00	6,216.25	6,369.72	6,266.44	16.92	18.33	154.64	-694.87	-159.70	1,474.26	1,439.64	34.62	42.584		
6,400.00	6,314.80	8,228.46	7,309.00	17.22	31.08	113.02	-816.64	983.32	1,472.93	1,433.03	39.91	36.910		
6,500.00	6,413.35	8,244.38	7,308.92	17.53	31.27	112.24	-816.57	999.24	1,411.69	1,370.40	41.29	34.189		
6,600.00	6,512.28	8,257.44	7,308.86	17.79	31.44	125.50	-816.51	1,012.29	1,354.67	1,312.00	42.68	31.743		
6,700.00	6,612.08	8,256.05	7,308.87	17.94	31.42	-119.99	-816.51	1,010.90	1,302.28	1,258.41	43.88	29.681		
6,800.00	6,710.50	8,239.05	7,308.95	18.03	31.21	-107.18	-816.59	993.91	1,256.27	1,211.44	44.83	28.025		
6,900.00	6,805.12	8,206.86	7,309.10	18.06	30.81	-105.44	-816.73	961.72	1,217.89	1,172.43	45.46	26.788		
7,000.00	6,893.62	8,160.27	7,309.31	18.06	30.25	-104.52	-816.93	915.13	1,187.69	1,141.93	45.76	25.954		
7,100.00	6,973.81	8,100.44	7,309.59	18.03	29.53	-103.27	-817.20	855.30	1,165.43	1,119.72	45.71	25.496		
7,200.00	7,043.73	8,028.82	7,309.91	18.03	28.71	-101.62	-817.51	783.68	1,150.19	1,104.81	45.38	25.348 SF		
7,300.00	7,101.64	7,947.20	7,310.29	18.07	27.80	-99.79	-817.87	702.06	1,140.59	1,095.76	44.83	25.444		
7,400.00	7,146.13	7,857.57	7,310.70	18.19	26.85	-98.08	-818.26	612.43	1,135.10	1,090.93	44.17	25.699		
7,500.00	7,176.09	7,739.41	7,308.98	18.41	25.68	-96.42	-818.50	494.33	1,131.97	1,088.61	43.36	26.105		
7,600.00	7,190.80	7,584.20	7,278.14	18.73	24.26	-94.18	-815.35	342.64	1,126.41	1,083.95	42.46	26.530		
7,700.00	7,190.87	7,447.76	7,221.65	19.15	23.14	-91.75	-808.99	218.89	1,118.14	1,076.35	41.79	26.756		
7,800.00	7,187.69	7,336.24	7,156.88	19.71	22.34	-88.56	-801.50	128.59	1,109.07	1,067.64	41.43	26.771		
7,900.00	7,184.51	7,249.28	7,096.11	20.39	21.77	-85.49	-794.38	66.89	1,102.00	1,060.68	41.32	26.672		
8,000.00	7,181.33	7,181.91	7,043.63	21.17	21.38	-82.80	-788.19	25.17	1,099.18	1,057.78	41.41	26.545		
8,001.97	7,181.27	7,180.75	7,042.68	21.19	21.37	-82.75	-788.08	24.50	1,099.18	1,057.77	41.41	26.543		
8,100.00	7,178.15	7,129.27	6,999.75	22.06	21.09	-80.55	-782.99	-3.41	1,102.17	1,060.53	41.64	26.469		
8,200.00	7,174.98	7,087.54	6,963.39	23.03	20.88	-78.68	-778.67	-23.41	1,111.90	1,069.93	41.97	26.496		
8,300.00	7,171.80	7,053.92	6,933.19	24.08	20.72	-77.13	-775.07	-37.76	1,128.83	1,086.48	42.34	26.660		
8,400.00	7,168.62	7,026.39	6,907.94	25.19	20.59	-75.83	-772.05	-48.30	1,153.06	1,110.32	42.74	26.980		
8,500.00	7,165.44	7,000.00	6,883.33	26.36	20.48	-74.58	-769.11	-57.35	1,184.44	1,141.34	43.10	27.479		
8,600.00	7,162.26	6,984.25	6,868.47	27.59	20.41	-73.83	-767.33	-62.27	1,222.58	1,179.10	43.48	28.119		
8,700.00	7,159.08	6,967.83	6,852.87	28.86	20.35	-73.04	-765.46	-66.99	1,267.03	1,223.23	43.80	28.928		
8,800.00	7,155.90	6,950.00	6,835.78	30.16	20.28	-72.18	-763.41	-71.67	1,317.23	1,273.17	44.07	29.893		
8,900.00	7,152.72	6,950.00	6,835.78	31.50	20.28	-72.18	-763.41	-71.67	1,372.67	1,328.33	44.34	30.956		
9,000.00	7,149.54	6,930.63	6,817.08	32.88	20.21	-71.24	-761.17	-76.20	1,432.62	1,388.10	44.52	32.180		
9,100.00	7,146.36	6,921.10	6,807.84	34.28	20.17	-70.78	-760.06	-78.21	1,496.75	1,452.07	44.68	33.497		
9,200.00	7,143.18	6,900.00	6,787.26	35.70	20.10	-69.76	-757.58	-82.18	1,564.65	1,519.86	44.79	34.934		
9,300.00	7,140.00	6,900.00	6,787.26	37.14	20.10	-69.76	-757.58	-82.18	1,635.49	1,590.58	44.92	36.413		
9,400.00	7,136.82	6,900.00	6,787.26	38.60	20.10	-69.76	-757.58	-82.18	1,709.25	1,664.24	45.01	37.971		
9,500.00	7,133.64	6,892.06	6,779.49	40.08	20.07	-69.37	-756.65	-83.49	1,785.51	1,740.43	45.08	39.608		
9,600.00	7,130.46	6,883.25	6,770.84	41.57	20.04	-68.95	-755.61	-84.84	1,863.97	1,818.84	45.13	41.304		
9,700.00	7,127.28	6,876.48	6,764.19	43.08	20.02	-68.62	-754.81	-85.83	1,944.33	1,899.16	45.17	43.047		
9,800.00	7,124.10	6,858.89	6,746.91	44.59	19.96	-67.78	-752.73	-88.39	2,026.31	1,981.13	45.19	44.843		
9,900.00	7,120.92	6,841.29	6,729.63	46.12	19.90	-66.94	-750.65	-90.96	2,109.71	2,064.50	45.20	46.674		
10,000.00	7,117.74	6,823.70	6,712.35	47.66	19.84	-66.11	-748.57	-93.52	2,194.34	2,149.13	45.21	48.533		
10,100.00	7,114.57	6,806.11	6,695.07	49.20	19.78	-65.28	-746.48	-96.08	2,280.09	2,234.87	45.22	50.419		



Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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
10,200.00	7,111.39	6,788.51	6,677.79	50.76	19.72	-64.47	-744.40	-98.65	2,366.83	2,321.60	45.23	52.326	
10,300.00	7,108.21	6,770.92	6,660.51	52.32	19.66	-63.66	-742.32	-101.21	2,454.45	2,409.21	45.24	54.252	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	0.00	0.00	3.28	3.28	-89.85	2.57	-999.77	999.77				
100.00	100.00	100.00	100.00	3.28	3.28	-89.85	2.57	-999.77	999.77	992.24	7.53	132.792	
200.00	200.00	200.00	200.00	3.31	3.31	-89.85	2.57	-999.77	999.77	992.20	7.57	132.002 CC	
300.00	299.98	332.04	331.99	3.35	3.36	-164.51	0.38	-997.66	999.85	992.18	7.67	130.336 ES	
400.00	399.84	463.67	463.29	3.42	3.46	-164.99	-6.15	-991.35	1,000.12	992.30	7.82	127.918	
500.00	499.45	594.47	593.22	3.51	3.60	-165.78	-16.94	-980.93	1,000.68	992.66	8.03	124.665	
600.00	598.70	724.05	721.14	3.63	3.81	-166.86	-31.81	-966.57	1,001.72	993.41	8.31	120.566	
700.00	697.47	842.37	837.04	3.78	4.06	-168.10	-48.89	-950.08	1,003.59	994.93	8.66	115.924	
800.00	796.02	940.40	932.86	3.97	4.31	-169.20	-63.80	-935.68	1,006.51	997.47	9.04	111.335	
900.00	894.57	1,038.44	1,028.68	4.18	4.59	-170.28	-78.70	-921.29	1,009.81	1,000.34	9.47	106.646	
1,000.00	993.12	1,136.47	1,124.50	4.41	4.90	-171.36	-93.60	-906.90	1,013.48	1,003.54	9.94	101.992	
1,100.00	1,091.67	1,234.51	1,220.32	4.67	5.22	-172.43	-108.51	-892.51	1,017.52	1,007.08	10.44	97.467	
1,200.00	1,190.22	1,332.54	1,316.14	4.94	5.56	-173.49	-123.41	-878.12	1,021.93	1,010.96	10.97	93.151	
1,300.00	1,288.77	1,430.58	1,411.96	5.22	5.91	-174.54	-138.31	-863.73	1,026.69	1,015.16	11.53	89.046	
1,400.00	1,387.32	1,528.61	1,507.79	5.52	6.27	-175.58	-153.22	-849.34	1,031.81	1,019.70	12.11	85.195	
1,500.00	1,485.87	1,626.65	1,603.61	5.82	6.64	-176.62	-168.12	-834.95	1,037.28	1,024.57	12.71	81.597	
1,600.00	1,584.42	1,724.68	1,699.43	6.14	7.02	-177.64	-183.02	-820.56	1,043.10	1,029.77	13.33	78.248	
1,700.00	1,682.97	1,822.72	1,795.25	6.46	7.36	-178.65	-197.93	-806.17	1,049.25	1,035.33	13.93	75.347	
1,800.00	1,781.52	1,920.75	1,891.07	6.79	7.54	-179.65	-212.83	-791.78	1,055.74	1,041.54	14.20	74.364	
1,900.00	1,880.07	2,018.79	1,986.89	6.96	7.59	179.37	-227.73	-777.39	1,062.55	1,048.36	14.19	74.873	
2,000.00	1,978.62	2,116.82	2,082.71	7.00	7.67	178.39	-242.64	-762.99	1,069.69	1,055.39	14.29	74.844	
2,100.00	2,077.17	2,214.86	2,178.53	7.06	7.75	177.43	-257.54	-748.60	1,077.13	1,062.71	14.43	74.663	
2,200.00	2,175.71	2,312.89	2,274.35	7.13	7.86	176.48	-272.44	-734.21	1,084.89	1,070.29	14.59	74.340	
2,300.00	2,274.26	2,410.93	2,370.17	7.21	7.98	175.55	-287.35	-719.82	1,092.95	1,078.15	14.79	73.885	
2,400.00	2,372.81	2,508.96	2,466.00	7.31	8.12	174.63	-302.25	-705.43	1,101.30	1,086.27	15.02	73.313	
2,500.00	2,471.36	2,607.00	2,561.82	7.43	8.27	173.72	-317.15	-691.04	1,109.93	1,094.65	15.28	72.638	
2,600.00	2,569.91	2,705.03	2,657.64	7.55	8.43	172.83	-332.06	-676.65	1,118.85	1,103.29	15.57	71.878	
2,700.00	2,668.46	2,803.07	2,753.46	7.69	8.61	171.95	-346.96	-662.26	1,128.05	1,112.17	15.88	71.038	
2,800.00	2,767.01	2,901.10	2,849.28	7.84	8.80	171.08	-361.86	-647.87	1,137.51	1,121.29	16.22	70.142	
2,900.00	2,865.56	3,000.86	2,945.10	8.01	9.01	170.23	-376.77	-633.48	1,147.23	1,130.65	16.58	69.185	
3,000.00	2,964.11	3,102.83	3,040.92	8.18	9.23	169.39	-391.67	-619.09	1,157.21	1,140.24	16.97	68.175	
3,100.00	3,062.66	3,204.79	3,136.74	8.36	9.46	168.57	-406.57	-604.70	1,167.44	1,150.05	17.39	67.142	
3,200.00	3,161.21	3,306.76	3,232.56	8.55	9.70	167.76	-421.48	-590.31	1,177.91	1,160.08	17.82	66.097	
3,300.00	3,259.76	3,408.72	3,328.38	8.76	9.96	166.96	-436.38	-575.91	1,188.61	1,170.34	18.27	65.050	
3,400.00	3,358.31	3,489.31	3,424.21	8.96	10.16	166.18	-451.28	-561.52	1,199.54	1,180.85	18.69	64.196	
3,500.00	3,456.86	3,587.35	3,520.03	9.18	10.42	165.41	-466.19	-547.13	1,210.69	1,191.54	19.16	63.196	
3,600.00	3,555.41	3,685.38	3,615.85	9.40	10.68	164.66	-481.09	-532.74	1,222.07	1,202.42	19.64	62.210	
3,700.00	3,653.96	3,783.42	3,711.67	9.63	10.95	163.92	-495.99	-518.35	1,233.65	1,213.50	20.14	61.242	
3,800.00	3,752.51	3,881.45	3,807.49	9.87	11.23	163.19	-510.90	-503.96	1,245.43	1,224.78	20.66	60.296	
3,900.00	3,851.06	3,979.49	3,903.31	10.11	11.51	162.48	-525.80	-489.57	1,257.42	1,236.24	21.18	59.374	
4,000.00	3,949.61	4,077.52	3,999.13	10.36	11.79	161.78	-540.70	-475.18	1,269.60	1,247.89	21.71	58.477	
4,100.00	4,048.16	4,175.56	4,094.95	10.61	12.08	161.09	-555.61	-460.79	1,281.96	1,259.71	22.25	57.606	
4,200.00	4,146.71	4,273.59	4,190.77	10.87	12.38	160.41	-570.51	-446.40	1,294.51	1,271.71	22.81	56.763	
4,300.00	4,245.26	4,371.63	4,286.59	11.13	12.68	159.75	-585.41	-432.01	1,307.24	1,283.88	23.37	55.948	
4,400.00	4,343.81	4,469.66	4,382.42	11.39	12.98	159.10	-600.32	-417.62	1,320.14	1,296.21	23.93	55.161	
4,500.00	4,442.36	4,567.70	4,478.24	11.66	13.29	158.47	-615.22	-403.23	1,333.20	1,308.70	24.51	54.401	
4,600.00	4,540.91	4,665.73	4,574.06	11.94	13.60	157.84	-630.12	-388.83	1,346.43	1,321.34	25.09	53.668	
4,700.00	4,639.46	4,763.77	4,669.88	12.21	13.91	157.23	-645.02	-374.44	1,359.82	1,334.14	25.68	52.962	
4,800.00	4,738.01	4,861.80	4,765.70	12.49	14.23	156.63	-659.93	-360.05	1,373.36	1,347.09	26.27	52.283	
4,900.00	4,836.56	4,959.84	4,861.52	12.77	14.55	156.04	-674.83	-345.66	1,387.04	1,360.18	26.87	51.628	
5,000.00	4,935.11	5,057.87	4,957.34	13.05	14.87	155.46	-689.73	-331.27	1,400.87	1,373.40	27.47	50.999	
5,100.00	5,033.66	5,155.91	5,053.16	13.34	15.19	154.90	-704.64	-316.88	1,414.84	1,386.77	28.08	50.393	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							
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	5,132.21	5,253.94	5,148.98	13.63	15.52	154.34	-719.54	-302.49	1,428.95	1,400.26	28.69	49.811	
5,300.00	5,230.76	5,351.98	5,244.80	13.92	15.85	153.79	-734.44	-288.10	1,443.19	1,413.89	29.30	49.251	
5,400.00	5,329.30	5,450.01	5,340.62	14.21	16.18	153.26	-749.35	-273.71	1,457.55	1,427.63	29.92	48.712	
5,500.00	5,427.85	5,548.05	5,436.45	14.50	16.51	152.74	-764.25	-259.32	1,472.04	1,441.50	30.54	48.193	
5,600.00	5,526.40	5,646.08	5,532.27	14.80	16.85	152.22	-779.15	-244.93	1,486.65	1,455.48	31.17	47.695	
5,700.00	5,624.95	5,744.12	5,628.09	15.10	17.18	151.72	-794.06	-230.54	1,501.38	1,469.58	31.80	47.215	
5,800.00	5,723.50	5,842.15	5,723.91	15.40	17.52	151.22	-808.96	-216.14	1,516.22	1,483.79	32.43	46.753	
5,900.00	5,822.05	5,940.19	5,819.73	15.70	17.86	150.74	-823.86	-201.75	1,531.18	1,498.11	33.06	46.309	
6,000.00	5,920.60	6,038.22	5,915.55	16.00	18.20	150.26	-838.77	-187.36	1,546.23	1,512.53	33.70	45.881	
6,100.00	6,019.15	6,136.26	6,011.37	16.31	18.54	149.79	-853.67	-172.97	1,561.40	1,527.06	34.34	45.469	
6,200.00	6,117.70	7,920.79	6,989.78	16.61	30.80	111.26	-1,005.36	947.59	1,537.63	1,496.91	40.73	37.755	
6,300.00	6,216.25	7,936.63	6,989.69	16.92	30.99	110.58	-1,005.34	963.43	1,487.77	1,445.68	42.09	35.349	
6,400.00	6,314.80	7,952.46	6,989.61	17.22	31.19	109.90	-1,005.31	979.26	1,442.95	1,399.48	43.47	33.195	
6,500.00	6,413.35	7,968.30	6,989.52	17.53	31.38	109.22	-1,005.29	995.10	1,403.65	1,358.81	44.85	31.299	
6,600.00	6,512.28	7,981.27	6,989.45	17.79	31.54	124.40	-1,005.28	1,008.07	1,370.23	1,324.12	46.11	29.717	
6,700.00	6,612.08	7,979.80	6,989.46	17.94	31.52	-118.10	-1,005.28	1,006.60	1,343.04	1,296.01	47.04	28.552	
6,800.00	6,710.50	7,962.72	6,989.55	18.03	31.31	-102.59	-1,005.30	989.51	1,323.02	1,275.43	47.59	27.803	
6,900.00	6,805.12	7,930.45	6,989.72	18.06	30.92	-98.45	-1,005.34	957.25	1,310.38	1,262.66	47.73	27.457 SF	
7,000.00	6,893.62	7,883.79	6,989.97	18.06	30.35	-95.46	-1,005.41	910.59	1,304.59	1,257.11	47.48	27.478	
7,052.64	6,937.00	7,853.82	6,990.13	18.05	30.00	-93.90	-1,005.45	880.62	1,303.88	1,256.67	47.21	27.617	
7,100.00	6,973.81	7,823.89	6,990.29	18.03	29.65	-92.46	-1,005.49	850.69	1,304.39	1,257.48	46.90	27.809	
7,200.00	7,043.73	7,752.22	6,990.67	18.03	28.83	-89.38	-1,005.58	779.02	1,308.09	1,261.99	46.10	28.376	
7,300.00	7,101.64	7,670.54	6,991.10	18.07	27.93	-86.47	-1,005.69	697.34	1,313.81	1,268.65	45.16	29.089	
7,400.00	7,146.13	7,580.87	6,991.58	18.19	26.99	-84.01	-1,005.81	607.68	1,319.72	1,275.51	44.21	29.851	
7,500.00	7,176.09	7,484.96	6,991.91	18.41	26.05	-82.25	-1,005.91	511.76	1,324.29	1,280.97	43.32	30.570	
7,600.00	7,190.80	7,386.70	6,982.65	18.73	25.14	-80.98	-1,004.52	414.05	1,326.43	1,283.89	42.54	31.178	
7,700.00	7,190.87	7,292.22	6,959.85	19.15	24.32	-79.97	-1,001.01	322.52	1,326.12	1,284.19	41.93	31.630	
7,755.01	7,189.12	7,243.08	6,942.77	19.46	23.91	-79.29	-998.38	276.53	1,325.93	1,284.23	41.69	31.803	
7,800.00	7,187.69	7,204.93	6,927.12	19.71	23.61	-78.65	-995.96	241.84	1,326.09	1,284.57	41.52	31.939	
7,900.00	7,184.51	7,127.31	6,889.08	20.39	23.02	-77.07	-990.08	174.48	1,327.93	1,286.61	41.32	32.138	
8,000.00	7,181.33	7,059.74	6,849.59	21.17	22.54	-75.43	-983.96	120.03	1,332.63	1,291.33	41.30	32.265	
8,100.00	7,178.15	7,000.00	6,810.10	22.06	22.15	-73.77	-977.83	75.66	1,341.06	1,299.63	41.43	32.368	
8,200.00	7,174.98	6,950.00	6,774.00	23.03	21.84	-72.26	-972.24	41.53	1,353.91	1,312.21	41.70	32.470	
8,300.00	7,171.80	6,909.39	6,742.81	24.08	21.60	-70.96	-967.39	16.00	1,371.66	1,329.59	42.07	32.604	
8,400.00	7,168.62	6,872.90	6,713.47	25.19	21.39	-69.75	-962.84	-5.20	1,394.58	1,352.08	42.49	32.818	
8,500.00	7,165.44	6,850.00	6,694.45	26.36	21.27	-68.96	-959.89	-17.61	1,422.83	1,379.83	43.00	33.088	
8,600.00	7,162.26	6,814.18	6,663.86	27.59	21.08	-67.71	-955.13	-35.63	1,456.22	1,412.79	43.43	33.530	
8,700.00	7,159.08	6,800.00	6,651.48	28.86	21.01	-67.20	-953.21	-42.27	1,494.81	1,450.86	43.95	34.011	
8,800.00	7,155.90	6,769.51	6,624.40	30.16	20.86	-66.10	-949.00	-55.60	1,538.14	1,493.77	44.36	34.671	
8,900.00	7,152.72	6,750.00	6,606.74	31.50	20.77	-65.39	-946.26	-63.44	1,586.10	1,541.31	44.79	35.410	
9,000.00	7,149.54	6,734.72	6,592.75	32.88	20.70	-64.83	-944.09	-69.19	1,638.33	1,593.12	45.20	36.244	
9,100.00	7,146.36	6,720.12	6,579.26	34.28	20.64	-64.29	-941.99	-74.37	1,694.49	1,648.91	45.58	37.180	
9,200.00	7,143.18	6,700.00	6,560.49	35.70	20.55	-63.55	-939.07	-80.99	1,754.30	1,708.42	45.89	38.229	
9,300.00	7,140.00	6,700.00	6,560.49	37.14	20.55	-63.55	-939.07	-80.99	1,817.36	1,771.12	46.23	39.309	
9,400.00	7,136.82	6,684.49	6,545.88	38.60	20.48	-62.97	-936.80	-85.68	1,883.41	1,836.92	46.49	40.510	
9,500.00	7,133.64	6,674.76	6,536.66	40.08	20.45	-62.61	-935.37	-88.44	1,952.20	1,905.47	46.74	41.770	
9,600.00	7,130.46	6,650.00	6,513.02	41.57	20.35	-61.69	-931.69	-94.81	2,023.67	1,976.76	46.91	43.137	
9,700.00	7,127.28	6,650.00	6,513.02	43.08	20.35	-61.69	-931.69	-94.81	2,097.00	2,049.87	47.13	44.497	
9,800.00	7,124.10	6,650.00	6,513.02	44.59	20.35	-61.69	-931.69	-94.81	2,172.45	2,125.14	47.31	45.916	
9,900.00	7,120.92	6,650.00	6,513.02	46.12	20.35	-61.69	-931.69	-94.81	2,249.82	2,202.34	47.48	47.387	
10,000.00	7,117.74	6,650.00	6,513.02	47.66	20.35	-61.69	-931.69	-94.81	2,328.91	2,281.29	47.62	48.906	
10,100.00	7,114.57	6,631.06	6,494.78	49.20	20.28	-60.98	-928.86	-99.06	2,409.25	2,361.53	47.72	50.489	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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							
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	7,111.39	6,625.56	6,489.46	50.76	20.26	-60.78	-928.03	-100.19	2,491.09	2,443.27	47.82	52.089		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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	0.00	0.00	3.28	3.28	-89.84	2.94	-1,039.58	1,039.59				
100.00	100.00	100.00	100.00	3.28	3.28	-89.84	2.94	-1,039.58	1,039.59	1,032.06	7.53	138.080	
200.00	200.00	200.00	200.00	3.31	3.31	-89.84	2.94	-1,039.58	1,039.59	1,032.01	7.57	137.259	
300.00	299.98	345.97	345.91	3.35	3.37	-164.48	1.09	-1,036.36	1,039.05	1,031.38	7.68	135.322	
400.00	399.84	491.56	491.05	3.42	3.49	-164.91	-4.44	-1,026.72	1,037.49	1,029.65	7.83	132.418	
500.00	499.45	636.38	634.69	3.51	3.67	-165.61	-13.58	-1,010.81	1,034.96	1,026.91	8.06	128.463	
600.00	598.70	761.87	758.33	3.63	3.89	-166.45	-24.26	-992.19	1,031.97	1,023.64	8.33	123.854	
661.85	659.87	823.20	818.65	3.72	4.01	-166.89	-29.78	-982.57	1,031.37	1,022.85	8.52	121.053	
700.00	697.47	861.00	855.82	3.78	4.10	-167.17	-33.18	-976.64	1,031.77	1,023.13	8.64	119.359	
800.00	796.02	960.08	953.27	3.97	4.34	-167.91	-42.10	-961.10	1,033.07	1,024.07	9.00	114.786	
900.00	894.57	1,059.16	1,050.72	4.18	4.60	-168.65	-51.02	-945.56	1,034.55	1,025.16	9.39	110.128	
1,000.00	993.12	1,158.24	1,148.16	4.41	4.88	-169.39	-59.94	-930.02	1,036.20	1,026.38	9.82	105.500	
1,100.00	1,091.67	1,257.32	1,245.61	4.67	5.18	-170.12	-68.86	-914.48	1,038.03	1,027.75	10.28	100.982	
1,200.00	1,190.22	1,356.40	1,343.06	4.94	5.49	-170.85	-77.78	-898.93	1,040.03	1,029.27	10.76	96.656	
1,300.00	1,288.77	1,455.49	1,440.51	5.22	5.81	-171.58	-86.70	-883.39	1,042.20	1,030.93	11.27	92.501	
1,400.00	1,387.32	1,554.57	1,537.95	5.52	6.14	-172.31	-95.62	-867.85	1,044.54	1,032.75	11.79	88.579	
1,500.00	1,485.87	1,653.65	1,635.40	5.82	6.47	-173.03	-104.54	-852.31	1,047.05	1,034.71	12.34	84.884	
1,600.00	1,584.42	1,752.73	1,732.85	6.14	6.82	-173.75	-113.46	-836.76	1,049.73	1,036.83	12.89	81.416	
1,700.00	1,682.97	1,851.81	1,830.29	6.46	7.08	-174.46	-122.38	-821.22	1,052.57	1,039.36	13.22	79.639	
1,800.00	1,781.52	1,950.89	1,927.74	6.79	7.20	-175.17	-131.30	-805.68	1,055.58	1,042.00	13.58	77.720	
1,900.00	1,880.07	2,049.97	2,025.19	6.96	7.25	-175.88	-140.22	-790.14	1,058.76	1,045.20	13.56	78.090	
2,000.00	1,978.62	2,149.05	2,122.64	7.00	7.32	-176.58	-149.14	-774.59	1,062.10	1,048.46	13.64	77.861	
2,100.00	2,077.17	2,248.14	2,220.08	7.06	7.40	-177.28	-158.06	-759.05	1,065.60	1,051.84	13.76	77.465	
2,200.00	2,175.71	2,347.22	2,317.53	7.13	7.50	-177.97	-166.98	-743.51	1,069.25	1,055.35	13.90	76.911	
2,300.00	2,274.26	2,446.30	2,414.98	7.21	7.61	-178.66	-175.90	-727.97	1,073.07	1,058.99	14.08	76.214	
2,400.00	2,372.81	2,545.38	2,512.43	7.31	7.74	-179.35	-184.83	-712.43	1,077.04	1,062.76	14.29	75.388	
2,500.00	2,471.36	2,644.46	2,609.87	7.43	7.88	179.98	-193.75	-696.88	1,081.17	1,066.65	14.52	74.449	
2,600.00	2,569.91	2,743.54	2,707.32	7.55	8.03	179.30	-202.67	-681.34	1,085.45	1,070.67	14.79	73.415	
2,700.00	2,668.46	2,842.62	2,804.77	7.69	8.20	178.63	-211.59	-665.80	1,089.88	1,074.81	15.07	72.302	
2,800.00	2,767.01	2,941.70	2,902.21	7.84	8.38	177.97	-220.51	-650.26	1,094.46	1,079.08	15.39	71.127	
2,900.00	2,865.56	3,040.79	2,999.66	8.01	8.56	177.31	-229.43	-634.71	1,099.19	1,083.47	15.72	69.906	
3,000.00	2,964.11	3,139.87	3,097.11	8.18	8.76	176.66	-238.35	-619.17	1,104.07	1,087.98	16.08	68.651	
3,100.00	3,062.66	3,238.95	3,194.56	8.36	8.97	176.02	-247.27	-603.63	1,109.08	1,092.62	16.46	67.375	
3,200.00	3,161.21	3,338.03	3,292.00	8.55	9.19	175.38	-256.19	-588.09	1,114.24	1,097.38	16.86	66.091	
3,300.00	3,259.76	3,437.11	3,389.45	8.76	9.41	174.74	-265.11	-572.55	1,119.54	1,102.26	17.28	64.806	
3,400.00	3,358.31	3,536.19	3,486.90	8.96	9.64	174.11	-274.03	-557.00	1,124.97	1,107.27	17.71	63.530	
3,500.00	3,456.86	3,635.27	3,584.35	9.18	9.88	173.49	-282.95	-541.46	1,130.55	1,112.39	18.16	62.269	
3,600.00	3,555.41	3,734.35	3,681.79	9.40	10.13	172.87	-291.87	-525.92	1,136.25	1,117.63	18.62	61.028	
3,700.00	3,653.96	3,833.44	3,779.24	9.63	10.38	172.26	-300.79	-510.38	1,142.09	1,122.99	19.09	59.812	
3,800.00	3,752.51	3,932.52	3,876.69	9.87	10.63	171.66	-309.71	-494.83	1,148.05	1,128.47	19.58	58.624	
3,900.00	3,851.06	4,031.60	3,974.13	10.11	10.90	171.06	-318.63	-479.29	1,154.15	1,134.06	20.08	57.468	
4,000.00	3,949.61	4,130.68	4,071.58	10.36	11.16	170.47	-327.55	-463.75	1,160.37	1,139.77	20.59	56.343	
4,100.00	4,048.16	4,229.76	4,169.03	10.61	11.43	169.89	-336.47	-448.21	1,166.71	1,145.59	21.12	55.253	
4,200.00	4,146.71	4,328.84	4,266.48	10.87	11.71	169.31	-345.39	-432.66	1,173.18	1,151.53	21.65	54.198	
4,300.00	4,245.26	4,427.92	4,363.92	11.13	11.99	168.74	-354.31	-417.12	1,179.76	1,157.57	22.19	53.177	
4,400.00	4,343.81	4,527.00	4,461.37	11.39	12.27	168.17	-363.23	-401.58	1,186.46	1,163.73	22.73	52.191	
4,500.00	4,442.36	4,626.09	4,558.82	11.66	12.56	167.61	-372.15	-386.04	1,193.28	1,169.99	23.29	51.240	
4,600.00	4,540.91	4,725.17	4,656.26	11.94	12.85	167.06	-381.07	-370.50	1,200.21	1,176.36	23.85	50.323	
4,700.00	4,639.46	4,824.25	4,753.71	12.21	13.14	166.51	-389.99	-354.95	1,207.25	1,182.84	24.42	49.439	
4,800.00	4,738.01	4,923.33	4,851.16	12.49	13.44	165.97	-398.91	-339.41	1,214.41	1,189.41	24.99	48.588	
4,900.00	4,836.56	5,022.41	4,948.61	12.77	13.74	165.43	-407.83	-323.87	1,221.67	1,196.09	25.57	47.769	
5,000.00	4,935.11	5,121.49	5,046.05	13.05	14.04	164.90	-416.75	-308.33	1,229.03	1,202.87	26.16	46.980	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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
5,100.00	5,033.66	5,220.57	5,143.50	13.34	14.34	164.38	-425.67	-292.78	1,236.51	1,209.75	26.75	46.222	
5,200.00	5,132.21	5,319.65	5,240.95	13.63	14.65	163.87	-434.59	-277.24	1,244.08	1,216.73	27.35	45.491	
5,300.00	5,230.76	5,418.74	5,338.40	13.92	14.95	163.36	-443.51	-261.70	1,251.75	1,223.80	27.95	44.789	
5,400.00	5,329.30	5,517.82	5,435.84	14.21	15.26	162.85	-452.43	-246.16	1,259.52	1,230.97	28.55	44.113	
5,500.00	5,427.85	5,616.90	5,533.29	14.50	15.57	162.36	-461.35	-230.62	1,267.39	1,238.23	29.16	43.462	
5,600.00	5,526.40	5,715.98	5,630.74	14.80	15.89	161.87	-470.27	-215.07	1,275.35	1,245.58	29.77	42.836	
5,700.00	5,624.95	5,815.06	5,728.18	15.10	16.20	161.38	-479.19	-199.53	1,283.41	1,253.02	30.39	42.233	
5,800.00	5,723.50	5,914.14	5,825.63	15.40	16.52	160.90	-488.11	-183.99	1,291.56	1,260.55	31.01	41.653	
5,900.00	5,822.05	6,013.22	5,923.08	15.70	16.83	160.43	-497.03	-168.45	1,299.80	1,268.17	31.63	41.095	
6,000.00	5,920.60	6,112.30	6,020.53	16.00	17.15	159.96	-505.95	-152.90	1,308.12	1,275.87	32.25	40.557	
6,100.00	6,019.15	6,211.39	6,117.97	16.31	17.47	159.50	-514.87	-137.36	1,316.53	1,283.65	32.88	40.038	
6,200.00	6,117.70	7,966.33	7,115.67	16.61	29.88	115.05	-602.44	948.55	1,319.69	1,282.87	36.82	35.840	
6,300.00	6,216.25	7,982.36	7,115.62	16.92	30.08	114.08	-602.37	964.58	1,249.89	1,211.68	38.21	32.708	
6,400.00	6,314.80	8,001.61	7,115.56	17.22	30.33	113.10	-602.30	980.61	1,184.21	1,144.46	39.75	29.789	
6,500.00	6,413.35	8,014.42	7,115.50	17.53	30.49	112.12	-602.23	996.63	1,123.37	1,082.03	41.34	27.172	
6,600.00	6,512.28	8,027.58	7,115.46	17.79	30.66	125.39	-602.17	1,009.80	1,068.00	1,025.02	42.98	24.848	
6,700.00	6,612.08	8,026.30	7,115.46	17.94	30.64	-119.63	-602.17	1,008.52	1,018.88	974.46	44.42	22.939	
6,800.00	6,710.50	8,009.41	7,115.52	18.03	30.43	-105.99	-602.25	991.63	978.02	932.48	45.54	21.475	
6,900.00	6,805.12	7,977.33	7,115.63	18.06	30.02	-103.11	-602.39	959.55	946.74	900.48	46.26	20.467	
7,000.00	6,893.62	7,930.84	7,115.80	18.06	29.44	-100.81	-602.59	913.06	925.29	878.78	46.51	19.896	
7,100.00	6,973.81	7,871.09	7,116.00	18.03	28.71	-98.03	-602.85	853.31	912.80	866.51	46.30	19.715 SF	
7,200.00	7,043.73	7,800.44	7,116.25	18.03	27.86	-94.81	-603.17	781.78	907.51	861.78	45.73	19.844	
7,258.22	7,079.01	7,753.16	7,116.42	18.05	27.31	-92.88	-603.37	735.39	906.84	861.56	45.28	20.026 CC, ES	
7,300.00	7,101.64	7,717.99	7,116.54	18.07	26.91	-91.52	-603.52	700.21	907.12	862.20	44.92	20.196	
7,400.00	7,146.13	7,628.41	7,116.85	18.19	25.93	-88.62	-603.91	610.63	909.23	865.21	44.02	20.655	
7,500.00	7,176.09	7,531.01	7,114.86	18.41	24.91	-86.31	-604.12	513.29	911.70	868.57	43.13	21.137	
7,600.00	7,190.80	7,434.50	7,099.73	18.73	23.95	-84.30	-603.12	418.07	913.17	870.82	42.35	21.564	
7,700.00	7,190.87	7,342.43	7,072.12	19.15	23.08	-82.51	-600.93	330.35	913.64	871.93	41.71	21.905	
7,800.00	7,187.69	7,258.42	7,036.17	19.71	22.35	-80.40	-597.92	254.56	915.46	874.19	41.27	22.182	
7,900.00	7,184.51	7,184.51	6,996.56	20.39	21.76	-78.05	-594.52	192.29	920.53	879.52	41.01	22.445	
8,000.00	7,181.33	7,120.60	6,956.72	21.17	21.28	-75.68	-591.05	142.48	930.19	889.28	40.91	22.738	
8,100.00	7,178.15	7,065.85	6,918.78	22.06	20.90	-73.43	-587.71	103.17	945.53	904.60	40.93	23.102	
8,200.00	7,174.98	7,019.07	6,883.79	23.03	20.60	-71.38	-584.61	72.28	967.26	926.22	41.04	23.571	
8,300.00	7,171.80	6,979.05	6,852.14	24.08	20.36	-69.54	-581.79	47.96	995.72	954.52	41.20	24.167	
8,400.00	7,168.62	6,950.00	6,828.25	25.19	20.19	-68.17	-579.66	31.59	1,030.95	989.53	41.42	24.890	
8,500.00	7,165.44	6,914.99	6,798.50	26.36	20.00	-66.49	-576.99	13.33	1,072.63	1,031.04	41.59	25.790	
8,600.00	7,162.26	6,889.21	6,775.98	27.59	19.87	-65.24	-574.96	0.95	1,120.43	1,078.65	41.78	26.816	
8,700.00	7,159.08	6,866.68	6,755.90	28.86	19.75	-64.14	-573.15	-9.11	1,173.80	1,131.85	41.96	27.977	
8,800.00	7,155.90	6,850.00	6,740.82	30.16	19.67	-63.32	-571.79	-16.10	1,232.22	1,190.10	42.12	29.257	
8,900.00	7,152.72	6,829.34	6,721.89	31.50	19.58	-62.30	-570.08	-24.20	1,295.09	1,252.85	42.24	30.661	
9,000.00	7,149.54	6,813.74	6,707.44	32.88	19.51	-61.53	-568.77	-29.90	1,361.92	1,319.57	42.35	32.162	
9,100.00	7,146.36	6,800.00	6,694.58	34.28	19.45	-60.86	-567.60	-34.63	1,432.22	1,389.79	42.43	33.753	
9,200.00	7,143.18	6,800.00	6,694.58	35.70	19.45	-60.86	-567.60	-34.63	1,505.72	1,463.20	42.52	35.414	
9,300.00	7,140.00	6,775.95	6,671.86	37.14	19.35	-59.68	-565.54	-42.23	1,581.58	1,539.02	42.56	37.161	
9,400.00	7,136.82	6,765.68	6,662.08	38.60	19.31	-59.18	-564.65	-45.21	1,659.92	1,617.32	42.60	38.962	
9,500.00	7,133.64	6,750.00	6,647.05	40.08	19.24	-58.42	-563.28	-49.46	1,740.34	1,697.71	42.63	40.822	
9,600.00	7,130.46	6,750.00	6,647.05	41.57	19.24	-58.42	-563.28	-49.46	1,822.49	1,779.83	42.66	42.721	
9,700.00	7,127.28	6,750.00	6,647.05	43.08	19.24	-58.42	-563.28	-49.46	1,906.35	1,863.67	42.68	44.667	
9,800.00	7,124.10	6,732.74	6,630.38	44.59	19.18	-57.58	-561.76	-53.71	1,991.41	1,948.72	42.70	46.642	
9,900.00	7,120.92	6,726.08	6,623.92	46.12	19.16	-57.26	-561.17	-55.22	2,077.81	2,035.10	42.71	48.653	
10,000.00	7,117.74	6,719.91	6,617.93	47.66	19.13	-56.97	-560.63	-56.57	2,165.30	2,122.58	42.72	50.691	
10,100.00	7,114.57	6,700.00	6,598.49	49.20	19.06	-56.02	-558.85	-60.50	2,253.96	2,211.23	42.73	52.748	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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 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	
10,200.00	7,111.39	6,700.00	6,598.49	50.76	19.06	-56.02	-558.85	-60.50	2,343.18	2,300.45	42.73	54.831	
10,300.00	7,108.21	6,700.00	6,598.49	52.32	19.06	-56.02	-558.85	-60.50	2,433.24	2,390.51	42.74	56.935	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-06 Offsets Incomplete - BRANDONDI 1 - PDC SI Well - Actual MS Energy Surveys										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		100-SRC Energy_NS-GYRO-MS, 7000-SRC Energy_2° CONE_2.448										<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>	
12,600.00	7,035.08	7,121.32	7,120.26	89.33	19.24	-99.02	-426.18	-6,944.65	2,458.94	2,407.43	51.51	47.738	
12,700.00	7,031.90	7,117.93	7,116.87	90.96	19.19	-98.74	-426.31	-6,944.65	2,362.98	2,310.29	52.69	44.845	
12,800.00	7,028.72	7,114.54	7,113.48	92.60	19.15	-98.45	-426.45	-6,944.66	2,267.36	2,213.37	53.99	41.996	
12,900.00	7,025.54	7,111.14	7,110.09	94.24	19.11	-98.17	-426.58	-6,944.67	2,172.13	2,116.71	55.42	39.195	
13,000.00	7,022.36	7,107.75	7,106.70	95.88	19.06	-97.88	-426.71	-6,944.67	2,077.35	2,020.35	56.99	36.450	
13,100.00	7,019.18	7,104.35	7,103.30	97.52	19.02	-97.60	-426.84	-6,944.68	1,983.07	1,924.34	58.73	33.765	
13,200.00	7,016.00	7,100.96	7,099.91	99.16	18.98	-97.31	-426.97	-6,944.69	1,889.37	1,828.71	60.66	31.148	
13,300.00	7,012.82	7,102.43	7,096.52	100.80	19.00	-97.02	-427.11	-6,944.69	1,796.35	1,733.49	62.86	28.577	
13,400.00	7,009.64	7,105.83	7,093.13	102.44	19.04	-96.74	-427.24	-6,944.70	1,704.11	1,638.78	65.33	26.085	
13,500.00	7,006.46	7,109.22	7,089.74	104.09	19.08	-96.45	-427.37	-6,944.70	1,612.78	1,544.71	68.08	23.691	
13,600.00	7,003.28	7,087.38	7,086.35	105.73	18.88	-96.16	-427.50	-6,944.71	1,522.54	1,451.65	70.89	21.476	
13,700.00	7,000.10	7,083.99	7,082.96	107.38	18.86	-95.88	-427.63	-6,944.72	1,433.59	1,359.34	74.26	19.306	
13,800.00	6,996.92	7,080.60	7,079.56	109.03	18.83	-95.59	-427.76	-6,944.72	1,346.19	1,268.15	78.04	17.251	
13,900.00	6,993.74	7,077.20	7,076.17	110.67	18.81	-95.30	-427.90	-6,944.73	1,260.64	1,178.36	82.29	15.320	
14,000.00	6,990.57	7,073.81	7,072.78	112.32	18.79	-95.01	-428.03	-6,944.74	1,177.37	1,090.30	87.07	13.522	
14,100.00	6,987.39	7,070.41	7,069.39	113.97	18.77	-94.73	-428.16	-6,944.74	1,096.89	1,004.44	92.44	11.865	
14,200.00	6,984.21	7,067.02	7,066.00	115.62	18.74	-94.44	-428.29	-6,944.75	1,019.85	921.40	98.45	10.359	
14,300.00	6,981.03	7,063.63	7,062.61	117.27	18.72	-94.15	-428.42	-6,944.75	947.10	841.99	105.11	9.010	
14,400.00	6,977.85	7,060.23	7,059.22	118.92	18.70	-93.86	-428.56	-6,944.76	879.71	767.34	112.37	7.829	
14,500.00	6,974.67	7,056.84	7,055.82	120.57	18.67	-93.57	-428.69	-6,944.77	819.00	698.93	120.07	6.821	
14,600.00	6,971.49	7,053.44	7,052.43	122.22	18.65	-93.28	-428.82	-6,944.77	766.55	638.66	127.89	5.994	
14,700.00	6,968.31	7,050.05	7,049.04	123.87	18.63	-93.00	-428.95	-6,944.78	724.16	588.86	135.30	5.352	
14,800.00	6,965.13	7,046.66	7,045.65	125.53	18.61	-92.71	-429.08	-6,944.79	693.69	552.12	141.57	4.900	
14,900.00	6,961.95	7,043.26	7,042.26	127.18	18.58	-92.42	-429.22	-6,944.79	676.74	530.83	145.92	4.638	
14,966.27	6,959.84	7,041.01	7,040.01	128.28	18.57	-92.23	-429.30	-6,944.80	673.49	526.07	147.42	4.568 CC, ES	
15,000.00	6,958.77	7,039.87	7,038.87	128.83	18.56	-92.13	-429.35	-6,944.80	674.34	526.61	147.73	4.565 SF	
15,100.00	6,955.59	7,036.47	7,035.47	130.49	18.54	-91.84	-429.48	-6,944.80	686.63	539.79	146.84	4.676	
15,200.00	6,952.41	7,033.08	7,032.08	132.14	18.51	-91.55	-429.61	-6,944.81	712.85	569.28	143.58	4.965	
15,300.00	6,949.23	7,029.69	7,028.69	133.80	18.49	-91.26	-429.74	-6,944.82	751.56	612.96	138.60	5.423	
15,400.00	6,946.05	7,026.29	7,025.30	135.45	18.47	-90.98	-429.88	-6,944.82	800.94	668.30	132.63	6.039	
15,500.00	6,942.87	7,022.90	7,021.91	137.11	18.45	-90.69	-430.01	-6,944.83	859.15	732.84	126.31	6.802	
15,533.10	6,941.82	7,021.77	7,020.79	137.66	18.44	-90.59	-430.05	-6,944.83	880.07	755.85	124.21	7.085	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-06 Offsets Incomplete - SOUTH 6-22D - SRCI P&A Well - Actual VES Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 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	
12,200.00	7,047.80	7,022.53	6,962.50	82.80	15.66	89.42	2,356.48	-5,494.76	2,466.97	2,380.45	86.52	28.514	
12,300.00	7,044.62	7,020.77	6,960.74	84.43	15.66	89.37	2,356.44	-5,494.73	2,416.03	2,326.66	89.38	27.032	
12,400.00	7,041.44	7,018.98	6,958.96	86.06	15.66	89.33	2,356.41	-5,494.71	2,368.23	2,275.96	92.27	25.667	
12,500.00	7,038.26	7,017.18	6,957.15	87.69	15.65	89.28	2,356.37	-5,494.68	2,323.74	2,228.56	95.18	24.415	
12,600.00	7,035.08	7,015.35	6,955.33	89.33	15.65	89.23	2,356.33	-5,494.65	2,282.76	2,184.68	98.08	23.274	
12,700.00	7,031.90	7,013.50	6,953.48	90.96	15.65	89.18	2,356.29	-5,494.63	2,245.50	2,144.53	100.97	22.240	
12,800.00	7,028.72	7,011.63	6,951.61	92.60	15.64	89.13	2,356.25	-5,494.60	2,212.13	2,108.32	103.80	21.311	
12,900.00	7,025.54	7,009.74	6,949.71	94.24	15.64	89.07	2,356.22	-5,494.57	2,182.83	2,076.26	106.57	20.483	
13,000.00	7,022.36	7,007.82	6,947.79	95.88	15.63	89.02	2,356.17	-5,494.55	2,157.77	2,048.54	109.23	19.754	
13,100.00	7,019.18	7,005.87	6,945.85	97.52	15.63	88.97	2,356.13	-5,494.52	2,137.10	2,025.33	111.78	19.120	
13,200.00	7,016.00	7,003.91	6,943.88	99.16	15.63	88.91	2,356.09	-5,494.49	2,120.95	2,006.78	114.17	18.578	
13,300.00	7,012.82	7,001.91	6,941.89	100.80	15.62	88.86	2,356.05	-5,494.46	2,109.41	1,993.03	116.38	18.125	
13,400.00	7,009.64	6,999.91	6,939.89	102.44	15.62	88.81	2,356.01	-5,494.43	2,102.58	1,984.17	118.41	17.757	
13,494.03	7,006.65	6,998.20	6,938.18	103.99	15.61	88.76	2,355.97	-5,494.41	2,100.48	1,980.36	120.11	17.487 CC	
13,500.00	7,006.46	6,998.09	6,938.07	104.09	15.61	88.76	2,355.97	-5,494.41	2,100.48	1,980.27	120.21	17.473 ES	
13,600.00	7,003.28	6,996.27	6,936.25	105.73	15.61	88.71	2,355.93	-5,494.38	2,103.15	1,981.35	121.80	17.268	
13,700.00	7,000.10	6,994.45	6,934.43	107.38	15.61	88.66	2,355.89	-5,494.36	2,110.55	1,987.40	123.14	17.139	
13,800.00	6,996.92	6,992.62	6,932.61	109.03	15.60	88.61	2,355.85	-5,494.34	2,122.64	1,998.39	124.25	17.084 SF	
13,900.00	6,993.74	6,990.79	6,930.77	110.67	15.60	88.56	2,355.81	-5,494.31	2,139.33	2,014.22	125.11	17.099	
14,000.00	6,990.57	6,988.96	6,928.94	112.32	15.59	88.51	2,355.77	-5,494.29	2,160.54	2,034.79	125.75	17.182	
14,100.00	6,987.39	6,987.11	6,927.10	113.97	15.59	88.46	2,355.73	-5,494.26	2,186.11	2,059.96	126.15	17.329	
14,200.00	6,984.21	6,985.27	6,925.25	115.62	15.59	88.41	2,355.69	-5,494.24	2,215.90	2,089.55	126.35	17.538	
14,300.00	6,981.03	6,983.42	6,923.40	117.27	15.58	88.36	2,355.65	-5,494.21	2,249.75	2,123.40	126.35	17.806	
14,400.00	6,977.85	6,981.56	6,921.55	118.92	15.58	88.31	2,355.61	-5,494.18	2,287.47	2,161.30	126.16	18.131	
14,500.00	6,974.67	6,979.71	6,919.69	120.57	15.57	88.25	2,355.57	-5,494.16	2,328.87	2,203.04	125.82	18.509	
14,600.00	6,971.49	6,977.84	6,917.83	122.22	15.57	88.20	2,355.53	-5,494.13	2,373.76	2,248.42	125.34	18.939	
14,700.00	6,968.31	6,975.97	6,915.96	123.87	15.57	88.15	2,355.49	-5,494.11	2,421.95	2,297.22	124.73	19.417	
14,800.00	6,965.13	6,974.10	6,914.09	125.53	15.56	88.10	2,355.45	-5,494.08	2,473.25	2,349.23	124.02	19.942	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-06 Offsets Incomplete - SOUTH 6-23D - 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, 7550-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	
11,200.00	7,079.59	7,169.81	7,039.08	66.61	16.37	94.75	949.61	-5,587.15	2,494.68	2,453.95	40.72	61.257	
11,300.00	7,076.41	7,167.72	7,036.99	68.21	16.36	94.58	949.64	-5,587.13	2,398.82	2,357.21	41.61	57.651	
11,400.00	7,073.23	7,165.65	7,034.92	69.82	16.36	94.41	949.67	-5,587.10	2,303.31	2,260.72	42.59	54.079	
11,500.00	7,070.05	7,163.59	7,032.85	71.44	16.35	94.24	949.70	-5,587.08	2,208.20	2,164.52	43.68	50.549	
11,600.00	7,066.87	7,161.53	7,030.80	73.05	16.35	94.07	949.73	-5,587.05	2,113.54	2,068.64	44.90	47.071	
11,700.00	7,063.69	7,159.49	7,028.76	74.67	16.35	93.90	949.76	-5,587.03	2,019.39	1,973.14	46.26	43.656	
11,800.00	7,060.51	7,157.46	7,026.73	76.29	16.34	93.73	949.79	-5,587.00	1,925.83	1,878.06	47.77	40.314	
11,900.00	7,057.33	7,155.44	7,024.71	77.92	16.34	93.57	949.82	-5,586.98	1,832.95	1,783.48	49.46	37.056	
12,000.00	7,054.15	7,153.43	7,022.70	79.54	16.33	93.40	949.85	-5,586.95	1,740.85	1,689.49	51.36	33.895	
12,100.00	7,050.98	7,151.44	7,020.71	81.17	16.33	93.24	949.88	-5,586.93	1,649.67	1,596.18	53.49	30.841	
12,200.00	7,047.80	7,149.45	7,018.72	82.80	16.33	93.07	949.91	-5,586.91	1,559.57	1,503.69	55.88	27.908	
12,300.00	7,044.62	7,147.47	7,016.74	84.43	16.32	92.91	949.94	-5,586.88	1,470.75	1,412.17	58.58	25.108	
12,400.00	7,041.44	7,145.51	7,014.78	86.06	16.32	92.75	949.97	-5,586.86	1,383.45	1,321.83	61.62	22.452	
12,500.00	7,038.26	7,143.55	7,012.82	87.69	16.32	92.59	950.00	-5,586.83	1,297.99	1,232.94	65.05	19.954	
12,600.00	7,035.08	7,141.61	7,010.88	89.33	16.31	92.43	950.03	-5,586.81	1,214.74	1,145.82	68.92	17.626	
12,700.00	7,031.90	7,139.67	7,008.95	90.96	16.31	92.27	950.06	-5,586.78	1,134.19	1,060.92	73.28	15.478	
12,800.00	7,028.72	7,137.75	7,007.02	92.60	16.30	92.11	950.09	-5,586.76	1,056.98	978.81	78.17	13.522	
12,900.00	7,025.54	7,135.84	7,005.11	94.24	16.30	91.95	950.12	-5,586.74	983.87	900.26	83.61	11.768	
13,000.00	7,022.36	7,133.93	7,003.21	95.88	16.30	91.80	950.15	-5,586.71	915.85	826.27	89.58	10.224	
13,100.00	7,019.18	7,132.04	7,001.31	97.52	16.29	91.64	950.18	-5,586.69	854.15	758.17	95.98	8.899	
13,200.00	7,016.00	7,130.16	6,999.43	99.16	16.29	91.49	950.20	-5,586.66	800.21	697.61	102.61	7.799	
13,300.00	7,012.82	7,128.28	6,997.56	100.80	16.29	91.33	950.23	-5,586.64	755.72	646.62	109.10	6.927	
13,400.00	7,009.64	7,126.42	6,995.69	102.44	16.28	91.18	950.26	-5,586.61	722.41	607.48	114.93	6.286	
13,500.00	7,006.46	7,124.57	6,993.84	104.09	16.28	91.03	950.29	-5,586.59	701.87	582.38	119.49	5.874	
13,596.28	7,003.40	7,122.79	6,992.07	105.67	16.27	90.88	950.32	-5,586.57	695.24	573.05	122.19	5.690 CC	
13,600.00	7,003.28	7,122.72	6,992.00	105.73	16.27	90.87	950.32	-5,586.57	695.25	573.00	122.25	5.687 ES, SF	
13,700.00	7,000.10	7,120.89	6,990.16	107.38	16.27	90.72	950.35	-5,586.54	702.93	579.99	122.94	5.718	
13,800.00	6,996.92	7,119.06	6,988.34	109.03	16.27	90.57	950.38	-5,586.52	724.46	602.81	121.65	5.955	
13,900.00	6,993.74	7,117.25	6,986.52	110.67	16.26	90.42	950.40	-5,586.49	758.66	639.89	118.77	6.388	
14,000.00	6,990.57	7,115.44	6,984.72	112.32	16.26	90.27	950.43	-5,586.47	803.92	689.08	114.84	7.000	
14,100.00	6,987.39	7,113.64	6,982.92	113.97	16.26	90.13	950.46	-5,586.45	858.49	748.13	110.36	7.779	
14,200.00	6,984.21	7,111.85	6,981.13	115.62	16.25	89.98	950.49	-5,586.42	920.71	814.98	105.73	8.708	
14,300.00	6,981.03	7,110.07	6,979.35	117.27	16.25	89.83	950.52	-5,586.40	989.15	887.95	101.20	9.774	
14,400.00	6,977.85	7,108.30	6,977.58	118.92	16.25	89.69	950.54	-5,586.38	1,062.59	965.67	96.92	10.964	
14,500.00	6,974.67	7,106.54	6,975.82	120.57	16.24	89.54	950.57	-5,586.35	1,140.08	1,047.12	92.96	12.264	
14,600.00	6,971.49	7,104.79	6,974.07	122.22	16.24	89.40	950.60	-5,586.33	1,220.85	1,131.50	89.34	13.665	
14,700.00	6,968.31	7,103.05	6,972.33	123.87	16.24	89.25	950.63	-5,586.31	1,304.28	1,218.21	86.07	15.154	
14,800.00	6,965.13	7,101.32	6,970.60	125.53	16.23	89.11	950.65	-5,586.28	1,389.90	1,306.78	83.11	16.723	
14,900.00	6,961.95	7,099.61	6,968.89	127.18	16.23	88.97	950.68	-5,586.26	1,477.32	1,396.87	80.45	18.364	
15,000.00	6,958.77	7,097.98	6,967.26	128.83	16.23	88.84	950.71	-5,586.24	1,566.25	1,488.20	78.05	20.068	
15,100.00	6,955.59	7,096.37	6,965.66	130.49	16.22	88.70	950.73	-5,586.21	1,656.44	1,580.55	75.88	21.829	
15,200.00	6,952.41	7,094.78	6,964.06	132.14	16.22	88.57	950.76	-5,586.19	1,747.69	1,673.76	73.93	23.640	
15,300.00	6,949.23	7,093.20	6,962.48	133.80	16.22	88.44	950.78	-5,586.17	1,839.85	1,767.69	72.16	25.495	
15,400.00	6,946.05	7,091.64	6,960.92	135.45	16.21	88.31	950.81	-5,586.15	1,932.80	1,862.23	70.56	27.391	
15,500.00	6,942.87	7,090.09	6,959.37	137.11	16.21	88.19	950.83	-5,586.13	2,026.41	1,957.30	69.11	29.321	
15,533.10	6,941.82	7,089.58	6,958.86	137.66	16.21	88.15	950.84	-5,586.12	2,057.52	1,988.86	68.66	29.967	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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, 7550-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	
11,300.00	7,076.41	7,434.07	6,973.64	68.21	24.97	-89.56	-367.64	-5,670.26	2,471.18	2,422.78	48.40	51.054	
11,400.00	7,073.23	7,431.18	6,970.77	69.82	24.97	-89.30	-367.36	-5,670.24	2,374.53	2,325.36	49.17	48.289	
11,500.00	7,070.05	7,428.30	6,967.90	71.44	24.97	-89.03	-367.07	-5,670.22	2,278.17	2,228.15	50.02	45.541	
11,600.00	7,066.87	7,425.43	6,965.05	73.05	24.96	-88.77	-366.78	-5,670.20	2,182.13	2,131.17	50.97	42.815	
11,700.00	7,063.69	7,422.58	6,962.21	74.67	24.96	-88.51	-366.49	-5,670.18	2,086.47	2,034.46	52.01	40.115	
11,800.00	7,060.51	7,420.51	6,960.15	76.29	24.96	-88.32	-366.26	-5,670.17	1,991.22	1,938.04	53.18	37.442	
11,900.00	7,057.33	7,417.59	6,957.25	77.92	24.95	-88.05	-365.97	-5,670.14	1,896.46	1,841.98	54.48	34.812	
12,000.00	7,054.15	7,414.68	6,954.36	79.54	24.95	-87.78	-365.67	-5,670.12	1,802.26	1,746.34	55.93	32.226	
12,100.00	7,050.98	7,411.77	6,951.46	81.17	24.94	-87.51	-365.38	-5,670.10	1,708.72	1,651.17	57.55	29.691	
12,200.00	7,047.80	7,408.87	6,948.58	82.80	24.94	-87.25	-365.08	-5,670.08	1,615.95	1,556.58	59.38	27.216	
12,300.00	7,044.62	7,405.97	6,945.69	84.43	24.94	-86.98	-364.77	-5,670.06	1,524.09	1,462.66	61.43	24.809	
12,400.00	7,041.44	7,403.07	6,942.81	86.06	24.93	-86.71	-364.47	-5,670.03	1,433.32	1,369.55	63.76	22.479	
12,500.00	7,038.26	7,400.18	6,939.94	87.69	24.93	-86.45	-364.16	-5,670.01	1,343.85	1,277.45	66.40	20.238	
12,600.00	7,035.08	7,397.30	6,937.07	89.33	24.92	-86.18	-363.86	-5,669.99	1,255.96	1,186.56	69.40	18.097	
12,700.00	7,031.90	7,394.41	6,934.20	90.96	24.92	-85.91	-363.55	-5,669.97	1,170.02	1,097.20	72.81	16.068	
12,800.00	7,028.72	7,391.54	6,931.34	92.60	24.91	-85.65	-363.23	-5,669.95	1,086.47	1,009.77	76.70	14.164	
12,900.00	7,025.54	7,388.66	6,928.49	94.24	24.91	-85.38	-362.92	-5,669.93	1,005.93	924.80	81.13	12.399	
13,000.00	7,022.36	7,385.79	6,925.63	95.88	24.91	-85.12	-362.60	-5,669.90	929.17	843.04	86.13	10.787	
13,100.00	7,019.18	7,382.93	6,922.79	97.52	24.90	-84.85	-362.28	-5,669.88	857.21	765.46	91.75	9.343	
13,200.00	7,016.00	7,380.07	6,919.94	99.16	24.90	-84.59	-361.96	-5,669.86	791.35	693.43	97.92	8.081	
13,300.00	7,012.82	7,377.21	6,917.10	100.80	24.89	-84.32	-361.64	-5,669.84	733.26	628.74	104.52	7.016	
13,400.00	7,009.64	7,374.36	6,914.27	102.44	24.89	-84.06	-361.31	-5,669.82	684.89	573.67	111.21	6.158	
13,500.00	7,006.46	7,371.51	6,911.44	104.09	24.89	-83.79	-360.99	-5,669.79	648.43	530.95	117.48	5.520	
13,600.00	7,003.28	7,368.66	6,908.61	105.73	24.88	-83.53	-360.66	-5,669.77	625.98	503.38	122.59	5.106	
13,693.18	7,000.32	7,366.02	6,905.99	107.27	24.88	-83.29	-360.35	-5,669.75	619.01	493.34	125.67	4.926 CC	
13,700.00	7,000.10	7,365.82	6,905.79	107.38	24.88	-83.27	-360.33	-5,669.75	619.05	493.23	125.81	4.920 ES, SF	
13,800.00	6,996.92	7,362.99	6,902.98	109.03	24.87	-83.01	-359.99	-5,669.73	628.15	501.48	126.68	4.959	
13,900.00	6,993.74	7,360.15	6,900.17	110.67	24.87	-82.74	-359.66	-5,669.71	652.62	527.41	125.21	5.212	
14,000.00	6,990.57	7,357.33	6,897.36	112.32	24.87	-82.48	-359.32	-5,669.69	690.83	568.91	121.92	5.666	
14,100.00	6,987.39	7,354.50	6,894.56	113.97	24.86	-82.22	-358.98	-5,669.66	740.65	623.16	117.49	6.304	
14,200.00	6,984.21	7,351.68	6,891.76	115.62	24.86	-81.96	-358.64	-5,669.64	799.92	687.37	112.55	7.107	
14,300.00	6,981.03	7,348.87	6,888.96	117.27	24.85	-81.70	-358.30	-5,669.62	866.69	759.14	107.56	8.058	
14,400.00	6,977.85	7,346.06	6,886.17	118.92	24.85	-81.44	-357.95	-5,669.60	939.38	836.60	102.78	9.139	
14,500.00	6,974.67	7,343.25	6,883.39	120.57	24.85	-81.18	-357.61	-5,669.58	1,016.71	918.35	98.36	10.336	
14,600.00	6,971.49	7,340.45	6,880.61	122.22	24.84	-80.92	-357.26	-5,669.56	1,097.71	1,003.36	94.34	11.635	
14,700.00	6,968.31	7,337.65	6,877.83	123.87	24.84	-80.66	-356.91	-5,669.53	1,181.61	1,090.88	90.73	13.023	
14,800.00	6,965.13	7,334.86	6,875.06	125.53	24.83	-80.40	-356.55	-5,669.51	1,267.84	1,180.34	87.50	14.489	
14,900.00	6,961.95	7,332.07	6,872.29	127.18	24.83	-80.15	-356.20	-5,669.49	1,355.96	1,271.34	84.62	16.024	
15,000.00	6,958.77	7,329.28	6,869.53	128.83	24.83	-79.89	-355.84	-5,669.47	1,445.63	1,363.58	82.05	17.618	
15,100.00	6,955.59	7,326.50	6,866.77	130.49	24.82	-79.63	-355.49	-5,669.45	1,536.56	1,456.80	79.76	19.265	
15,200.00	6,952.41	7,323.72	6,864.02	132.14	24.82	-79.38	-355.13	-5,669.43	1,628.56	1,550.85	77.71	20.956	
15,300.00	6,949.23	7,320.95	6,861.27	133.80	24.81	-79.12	-354.76	-5,669.40	1,721.44	1,645.57	75.88	22.687	
15,400.00	6,946.05	7,318.18	6,858.52	135.45	24.81	-78.87	-354.40	-5,669.38	1,815.08	1,740.85	74.23	24.452	
15,500.00	6,942.87	7,315.41	6,855.78	137.11	24.81	-78.61	-354.04	-5,669.36	1,909.36	1,836.61	72.75	26.246	
15,533.10	6,941.82	7,314.50	6,854.87	137.66	24.80	-78.53	-353.91	-5,669.35	1,940.69	1,868.40	72.29	26.845	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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_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	
9,900.00	7,120.92	7,161.92	7,161.92	46.12	252.01	-95.77	-476.14	-4,238.03	2,472.42	2,197.77	274.65	9.002	
10,000.00	7,117.74	7,158.74	7,158.74	47.66	251.90	-95.52	-476.14	-4,238.03	2,377.28	2,102.02	275.26	8.636	
10,100.00	7,114.57	7,155.57	7,155.57	49.20	251.79	-95.28	-476.14	-4,238.03	2,282.55	2,006.59	275.95	8.272	
10,200.00	7,111.39	7,152.39	7,152.39	50.76	251.68	-95.04	-476.14	-4,238.03	2,188.27	1,911.54	276.73	7.908	
10,300.00	7,108.21	7,149.21	7,149.21	52.32	251.56	-94.79	-476.14	-4,238.03	2,094.53	1,816.91	277.62	7.545	
10,400.00	7,105.03	7,146.03	7,146.03	53.88	251.45	-94.55	-476.14	-4,238.03	2,001.39	1,722.77	278.62	7.183	
10,500.00	7,101.85	7,142.85	7,142.85	55.46	251.34	-94.31	-476.14	-4,238.03	1,908.93	1,629.18	279.75	6.824	
10,600.00	7,098.67	7,139.67	7,139.67	57.04	251.23	-94.06	-476.14	-4,238.03	1,817.27	1,536.24	281.04	6.466	
10,700.00	7,095.49	7,136.49	7,136.49	58.62	251.11	-93.82	-476.14	-4,238.03	1,726.53	1,444.04	282.49	6.112	
10,800.00	7,092.31	7,133.31	7,133.31	60.21	251.00	-93.57	-476.14	-4,238.03	1,636.87	1,352.73	284.13	5.761	
10,900.00	7,089.13	7,130.13	7,130.13	61.80	250.89	-93.33	-476.14	-4,238.03	1,548.46	1,262.46	286.00	5.414	
11,000.00	7,085.95	7,126.95	7,126.95	63.40	250.77	-93.09	-476.14	-4,238.03	1,461.54	1,173.43	288.10	5.073	
11,100.00	7,082.77	7,123.77	7,123.77	65.00	250.66	-92.84	-476.14	-4,238.03	1,376.39	1,085.90	290.49	4.738	
11,200.00	7,079.59	7,120.59	7,120.59	66.61	250.55	-92.60	-476.14	-4,238.03	1,293.36	1,000.17	293.19	4.411	
11,300.00	7,076.41	7,117.41	7,117.41	68.21	250.44	-92.35	-476.14	-4,238.03	1,212.88	916.66	296.23	4.094	
11,400.00	7,073.23	7,114.23	7,114.23	69.82	250.32	-92.11	-476.14	-4,238.03	1,135.51	835.87	299.64	3.790	
11,500.00	7,070.05	7,111.05	7,111.05	71.44	250.21	-91.86	-476.14	-4,238.03	1,061.91	758.47	303.44	3.500	
11,600.00	7,066.87	7,107.87	7,107.87	73.05	250.10	-91.62	-476.14	-4,238.03	992.93	685.31	307.62	3.228	
11,700.00	7,063.69	7,104.69	7,104.69	74.67	249.99	-91.37	-476.14	-4,238.03	929.59	617.46	312.13	2.978	
11,800.00	7,060.51	7,101.51	7,101.51	76.29	249.87	-91.13	-476.14	-4,238.03	873.12	556.26	316.86	2.756	
11,900.00	7,057.33	7,101.67	7,098.33	77.92	249.88	-90.88	-476.14	-4,238.03	824.95	503.22	321.73	2.564	
12,000.00	7,054.15	7,104.85	7,095.15	79.54	249.99	-90.64	-476.14	-4,238.03	786.58	460.15	326.43	2.410	
12,100.00	7,050.98	7,108.02	7,091.98	81.17	250.10	-90.39	-476.14	-4,238.03	759.51	429.04	330.47	2.298	
12,200.00	7,047.80	7,088.80	7,088.80	82.80	249.42	-90.15	-476.14	-4,238.03	744.97	412.31	332.66	2.239	
12,259.46	7,045.91	7,086.91	7,086.91	83.76	249.36	-90.00	-476.14	-4,238.03	742.60	408.91	333.69	2.225 CC, ES, SF	
12,300.00	7,044.62	7,085.62	7,085.62	84.43	249.31	-89.90	-476.14	-4,238.03	743.70	409.61	334.09	2.226	
12,400.00	7,041.44	7,082.44	7,082.44	86.06	249.20	-89.66	-476.14	-4,238.03	755.77	421.68	334.09	2.262	
12,500.00	7,038.26	7,079.26	7,079.26	87.69	249.08	-89.41	-476.14	-4,238.03	780.55	447.78	332.77	2.346	
12,600.00	7,035.08	7,076.08	7,076.08	89.33	248.97	-89.17	-476.14	-4,238.03	816.89	486.46	330.43	2.472	
12,700.00	7,031.90	7,072.90	7,072.90	90.96	248.86	-88.92	-476.14	-4,238.03	863.33	535.91	327.41	2.637	
12,800.00	7,028.72	7,069.72	7,069.72	92.60	248.75	-88.67	-476.14	-4,238.03	918.34	594.29	324.05	2.834	
12,900.00	7,025.54	7,066.54	7,066.54	94.24	248.63	-88.43	-476.14	-4,238.03	980.47	659.90	320.58	3.058	
13,000.00	7,022.36	7,063.36	7,063.36	95.88	248.52	-88.18	-476.14	-4,238.03	1,048.47	731.31	317.17	3.306	
13,100.00	7,019.18	7,060.18	7,060.18	97.52	248.41	-87.94	-476.14	-4,238.03	1,121.27	807.35	313.92	3.572	
13,200.00	7,016.00	7,057.00	7,057.00	99.16	248.30	-87.70	-476.14	-4,238.03	1,197.99	887.09	310.90	3.853	
13,300.00	7,012.82	7,053.82	7,053.82	100.80	248.18	-87.45	-476.14	-4,238.03	1,277.92	969.82	308.10	4.148	
13,400.00	7,009.64	7,050.64	7,050.64	102.44	248.07	-87.21	-476.14	-4,238.03	1,360.50	1,054.95	305.55	4.453	
13,500.00	7,006.46	7,047.46	7,047.46	104.09	247.96	-86.96	-476.14	-4,238.03	1,445.28	1,142.06	303.22	4.766	
13,600.00	7,003.28	7,044.28	7,044.28	105.73	247.85	-86.72	-476.14	-4,238.03	1,531.89	1,230.79	301.10	5.088	
13,700.00	7,000.10	7,041.10	7,041.10	107.38	247.73	-86.47	-476.14	-4,238.03	1,620.03	1,320.86	299.18	5.415	
13,800.00	6,996.92	7,037.92	7,037.92	109.03	247.62	-86.23	-476.14	-4,238.03	1,709.48	1,412.06	297.42	5.748	
13,900.00	6,993.74	7,034.74	7,034.74	110.67	247.51	-85.98	-476.14	-4,238.03	1,800.03	1,504.20	295.83	6.085	
14,000.00	6,990.57	7,031.57	7,031.57	112.32	247.40	-85.74	-476.14	-4,238.03	1,891.52	1,597.16	294.37	6.426	
14,100.00	6,987.39	7,028.39	7,028.39	113.97	247.28	-85.50	-476.14	-4,238.03	1,983.84	1,690.80	293.04	6.770	
14,200.00	6,984.21	7,025.21	7,025.21	115.62	247.17	-85.25	-476.14	-4,238.03	2,076.86	1,785.04	291.82	7.117	
14,300.00	6,981.03	7,022.03	7,022.03	117.27	247.06	-85.01	-476.14	-4,238.03	2,170.49	1,879.80	290.70	7.466	
14,400.00	6,977.85	7,018.85	7,018.85	118.92	246.94	-84.77	-476.14	-4,238.03	2,264.67	1,975.00	289.67	7.818	
14,500.00	6,974.67	7,015.67	7,015.67	120.57	246.83	-84.52	-476.14	-4,238.03	2,359.32	2,070.60	288.72	8.172	
14,600.00	6,971.49	7,012.49	7,012.49	122.22	246.72	-84.28	-476.14	-4,238.03	2,454.39	2,166.55	287.84	8.527	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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							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	5,033.66	15,733.03	7,158.82	13.34	258.17	119.39	-1,214.92	714.09	2,490.44	2,314.05	176.39	14.119		
5,200.00	5,132.21	15,751.47	7,159.21	13.63	258.71	118.74	-1,214.97	732.52	2,413.32	2,231.97	181.35	13.307		
5,300.00	5,230.76	15,769.90	7,159.60	13.92	259.25	118.09	-1,215.02	750.95	2,337.79	2,151.22	186.57	12.530		
5,400.00	5,329.30	15,788.34	7,159.99	14.21	259.80	117.44	-1,215.07	769.38	2,264.01	2,071.96	192.05	11.789		
5,500.00	5,427.85	15,806.77	7,160.39	14.50	260.34	116.78	-1,215.12	787.81	2,192.15	1,994.36	197.80	11.083		
5,600.00	5,526.40	15,825.20	7,160.78	14.80	260.88	116.12	-1,215.17	806.24	2,122.41	1,918.62	203.80	10.414		
5,700.00	5,624.95	15,843.64	7,161.17	15.10	261.42	115.46	-1,215.22	824.67	2,055.01	1,844.97	210.04	9.784		
5,800.00	5,723.50	15,862.07	7,161.56	15.40	261.97	114.79	-1,215.27	843.10	1,990.18	1,773.67	216.52	9.192		
5,900.00	5,822.05	15,880.51	7,161.96	15.70	262.51	114.12	-1,215.32	861.53	1,928.19	1,705.00	223.18	8.639		
6,000.00	5,920.60	15,901.06	7,162.35	16.00	263.12	113.45	-1,215.37	879.96	1,869.30	1,639.25	230.06	8.125		
6,100.00	6,019.15	15,917.38	7,162.74	16.31	263.60	112.78	-1,215.42	898.39	1,813.84	1,576.91	236.93	7.656		
6,200.00	6,117.70	15,935.81	7,163.13	16.61	264.14	112.11	-1,215.47	916.82	1,762.11	1,518.24	243.87	7.226		
6,300.00	6,216.25	15,954.25	7,163.53	16.92	264.68	111.43	-1,215.52	935.25	1,714.47	1,463.72	250.75	6.837		
6,400.00	6,314.80	15,972.68	7,163.92	17.22	265.23	110.75	-1,215.57	953.68	1,671.25	1,413.79	257.46	6.491		
6,500.00	6,413.35	16,008.89	7,164.31	17.53	266.29	110.07	-1,215.62	972.11	1,632.81	1,368.45	264.36	6.177		
6,600.00	6,512.28	16,006.70	7,164.64	17.79	266.23	125.23	-1,215.66	987.69	1,599.33	1,329.57	269.75	5.929		
6,700.00	6,612.08	16,007.86	7,164.67	17.94	266.26	-117.51	-1,215.67	988.85	1,570.90	1,296.29	274.61	5.720		
6,800.00	6,710.50	15,993.38	7,164.36	18.03	265.84	-102.43	-1,215.63	974.38	1,548.44	1,270.28	278.17	5.567		
6,900.00	6,805.12	15,963.62	7,163.73	18.06	264.96	-98.88	-1,215.55	944.63	1,532.36	1,252.08	280.27	5.467		
7,000.00	6,893.62	15,919.31	7,162.78	18.06	263.65	-96.59	-1,215.43	900.33	1,522.37	1,241.45	280.92	5.419		
7,100.00	6,973.81	15,861.54	7,161.55	18.03	261.95	-94.32	-1,215.27	842.57	1,517.63	1,237.38	280.25	5.415 ES, SF		
7,172.71	7,025.77	15,811.88	7,160.50	18.03	260.49	-92.59	-1,215.14	792.92	1,516.77	1,237.68	279.08	5.435		
7,200.00	7,043.73	15,808.27	7,160.07	18.03	260.38	-91.94	-1,215.08	772.78	1,516.87	1,237.86	279.01	5.437		
7,300.00	7,101.64	15,711.61	7,158.36	18.07	257.53	-89.63	-1,214.87	692.67	1,518.58	1,242.51	276.07	5.501		
7,400.00	7,146.13	15,623.14	7,156.48	18.19	254.93	-87.63	-1,214.63	604.22	1,521.25	1,248.03	273.22	5.568		
7,500.00	7,176.09	15,528.50	7,154.46	18.41	252.14	-86.15	-1,214.37	509.61	1,523.55	1,253.28	270.27	5.637		
7,600.00	7,190.80	15,430.03	7,152.36	18.73	249.24	-85.39	-1,214.11	411.16	1,524.51	1,257.06	267.45	5.700		
7,700.00	7,190.87	15,330.11	7,150.24	19.15	246.30	-85.33	-1,213.84	311.26	1,523.73	1,258.83	264.90	5.752		
7,800.00	7,187.69	15,230.13	7,148.11	19.71	243.35	-85.36	-1,213.57	211.30	1,522.54	1,260.02	262.52	5.800		
7,900.00	7,184.51	15,130.14	7,145.98	20.39	240.41	-85.40	-1,213.30	111.33	1,521.34	1,261.08	260.26	5.845		
8,000.00	7,181.33	15,030.15	7,143.85	21.17	237.47	-85.44	-1,213.03	11.37	1,520.15	1,262.04	258.12	5.889		
8,100.00	7,178.15	14,930.16	7,141.72	22.06	234.53	-85.47	-1,212.76	-88.60	1,518.96	1,262.89	256.07	5.932		
8,200.00	7,174.98	14,830.17	7,139.59	23.03	231.58	-85.51	-1,212.49	-188.56	1,517.77	1,263.65	254.12	5.973		
8,300.00	7,171.80	14,730.18	7,137.46	24.08	228.64	-85.54	-1,212.22	-288.53	1,516.58	1,264.34	252.24	6.012		
8,400.00	7,168.62	14,630.20	7,135.33	25.19	225.70	-85.58	-1,211.95	-388.49	1,515.39	1,264.96	250.43	6.051		
8,500.00	7,165.44	14,530.21	7,133.21	26.36	222.76	-85.62	-1,211.67	-488.46	1,514.20	1,265.52	248.68	6.089		
8,600.00	7,162.26	14,430.22	7,131.08	27.59	219.82	-85.65	-1,211.40	-588.42	1,513.01	1,266.03	246.98	6.126		
8,700.00	7,159.08	14,330.23	7,128.95	28.86	216.88	-85.69	-1,211.13	-688.39	1,511.83	1,266.50	245.33	6.162		
8,800.00	7,155.90	14,230.24	7,126.82	30.16	213.94	-85.73	-1,210.86	-788.35	1,510.64	1,266.92	243.71	6.198		
8,900.00	7,152.72	14,130.25	7,124.69	31.50	211.01	-85.76	-1,210.59	-888.32	1,509.45	1,267.32	242.14	6.234		
9,000.00	7,149.54	14,030.27	7,122.56	32.88	208.07	-85.80	-1,210.32	-988.28	1,508.27	1,267.68	240.59	6.269		
9,100.00	7,146.36	13,930.28	7,120.43	34.28	205.13	-85.84	-1,210.05	-1,088.25	1,507.08	1,268.01	239.07	6.304		
9,200.00	7,143.18	13,830.29	7,118.30	35.70	202.20	-85.87	-1,209.78	-1,188.21	1,505.90	1,268.33	237.57	6.339		
9,300.00	7,140.00	13,730.30	7,116.17	37.14	199.26	-85.91	-1,209.51	-1,288.18	1,504.71	1,268.62	236.09	6.373		
9,400.00	7,136.82	13,630.31	7,114.05	38.60	196.33	-85.95	-1,209.24	-1,388.14	1,503.53	1,268.89	234.64	6.408		
9,500.00	7,133.64	13,530.32	7,111.92	40.08	193.40	-85.98	-1,208.97	-1,488.11	1,502.35	1,269.15	233.20	6.442		
9,600.00	7,130.46	13,430.34	7,109.79	41.57	190.46	-86.02	-1,208.70	-1,588.08	1,501.16	1,269.39	231.78	6.477		
9,700.00	7,127.28	13,330.35	7,107.66	43.08	187.53	-86.06	-1,208.43	-1,688.04	1,499.98	1,269.62	230.37	6.511		
9,800.00	7,124.10	13,230.36	7,105.53	44.59	184.60	-86.10	-1,208.16	-1,788.01	1,498.80	1,269.83	228.97	6.546		
9,900.00	7,120.92	13,130.37	7,103.40	46.12	181.67	-86.13	-1,207.89	-1,887.97	1,497.62	1,270.04	227.58	6.581		
10,000.00	7,117.74	13,030.38	7,101.27	47.66	178.75	-86.17	-1,207.62	-1,987.94	1,496.44	1,270.23	226.21	6.615		
10,100.00	7,114.57	12,930.39	7,099.14	49.20	175.82	-86.21	-1,207.35	-2,087.90	1,495.26	1,270.42	224.84	6.650		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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						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	7,111.39	12,830.41	7,097.01	50.76	172.89	-86.24	-1,207.08	-2,187.87	1,494.08	1,270.60	223.48	6.685		
10,300.00	7,108.21	12,730.42	7,094.88	52.32	169.97	-86.28	-1,206.81	-2,287.83	1,492.91	1,270.77	222.14	6.721		
10,400.00	7,105.03	12,630.43	7,092.76	53.88	167.05	-86.32	-1,206.54	-2,387.80	1,491.73	1,270.93	220.80	6.756		
10,500.00	7,101.85	12,530.44	7,090.63	55.46	164.13	-86.36	-1,206.27	-2,487.76	1,490.55	1,271.09	219.46	6.792		
10,600.00	7,098.67	12,430.45	7,088.50	57.04	161.21	-86.39	-1,206.00	-2,587.73	1,489.38	1,271.24	218.14	6.828		
10,700.00	7,095.49	12,330.46	7,086.37	58.62	158.29	-86.43	-1,205.73	-2,687.69	1,488.20	1,271.39	216.82	6.864		
10,800.00	7,092.31	12,230.48	7,084.24	60.21	155.37	-86.47	-1,205.46	-2,787.66	1,487.03	1,271.53	215.50	6.900		
10,900.00	7,089.13	12,130.49	7,082.11	61.80	152.46	-86.51	-1,205.19	-2,887.62	1,485.85	1,271.66	214.19	6.937		
11,000.00	7,085.95	12,030.50	7,079.98	63.40	149.55	-86.55	-1,204.92	-2,987.59	1,484.68	1,271.79	212.89	6.974		
11,100.00	7,082.77	11,930.51	7,077.85	65.00	146.63	-86.58	-1,204.65	-3,087.55	1,483.51	1,271.91	211.59	7.011		
11,200.00	7,079.59	11,830.52	7,075.72	66.61	143.73	-86.62	-1,204.38	-3,187.52	1,482.34	1,272.03	210.30	7.049		
11,300.00	7,076.41	11,730.53	7,073.59	68.21	140.82	-86.66	-1,204.11	-3,287.49	1,481.16	1,272.15	209.02	7.086		
11,400.00	7,073.23	11,630.55	7,071.47	69.82	137.92	-86.70	-1,203.84	-3,387.45	1,479.99	1,272.26	207.74	7.124		
11,500.00	7,070.05	11,530.56	7,069.34	71.44	135.02	-86.74	-1,203.57	-3,487.42	1,478.82	1,272.36	206.46	7.163		
11,600.00	7,066.87	11,430.57	7,067.21	73.05	132.12	-86.77	-1,203.30	-3,587.38	1,477.65	1,272.47	205.19	7.201		
11,700.00	7,063.69	11,330.58	7,065.08	74.67	129.22	-86.81	-1,203.03	-3,687.35	1,476.49	1,272.56	203.92	7.240		
11,800.00	7,060.51	11,230.59	7,062.95	76.29	126.33	-86.85	-1,202.76	-3,787.31	1,475.32	1,272.65	202.66	7.280		
11,900.00	7,057.33	11,130.60	7,060.82	77.92	123.44	-86.89	-1,202.49	-3,887.28	1,474.15	1,272.74	201.41	7.319		
12,000.00	7,054.15	11,030.62	7,058.69	79.54	120.56	-86.93	-1,202.22	-3,987.24	1,472.98	1,272.83	200.16	7.359		
12,100.00	7,050.98	10,930.63	7,056.56	81.17	117.67	-86.97	-1,201.95	-4,087.21	1,471.82	1,272.90	198.91	7.399		
12,200.00	7,047.80	10,830.64	7,054.43	82.80	114.80	-87.00	-1,201.68	-4,187.17	1,470.65	1,272.98	197.68	7.440		
12,300.00	7,044.62	10,730.65	7,052.31	84.43	111.92	-87.04	-1,201.41	-4,287.14	1,469.49	1,273.04	196.44	7.480		
12,400.00	7,041.44	10,630.66	7,050.18	86.06	109.06	-87.08	-1,201.14	-4,387.10	1,468.32	1,273.11	195.22	7.522		
12,500.00	7,038.26	10,530.68	7,048.05	87.69	106.20	-87.12	-1,200.87	-4,487.07	1,467.16	1,273.16	194.00	7.563		
12,600.00	7,035.08	10,430.69	7,045.92	89.33	103.34	-87.16	-1,200.60	-4,587.03	1,466.00	1,273.21	192.78	7.604		
12,700.00	7,031.90	10,330.70	7,043.79	90.96	100.49	-87.20	-1,200.33	-4,687.00	1,464.84	1,273.26	191.58	7.646		
12,800.00	7,028.72	10,230.71	7,041.66	92.60	97.64	-87.24	-1,200.06	-4,786.96	1,463.67	1,273.29	190.38	7.688		
12,900.00	7,025.54	10,130.72	7,039.53	94.24	94.81	-87.28	-1,199.79	-4,886.93	1,462.51	1,273.32	189.19	7.730		
13,000.00	7,022.36	10,030.73	7,037.40	95.88	91.98	-87.31	-1,199.52	-4,986.89	1,461.35	1,273.34	188.01	7.773		
13,100.00	7,019.18	9,930.75	7,035.27	97.52	89.16	-87.35	-1,199.25	-5,086.86	1,460.19	1,273.36	186.84	7.815		
13,200.00	7,016.00	9,830.76	7,033.14	99.16	86.35	-87.39	-1,198.98	-5,186.83	1,459.04	1,273.36	185.68	7.858		
13,300.00	7,012.82	9,730.77	7,031.02	100.80	83.56	-87.43	-1,198.71	-5,286.79	1,457.88	1,273.35	184.53	7.901		
13,400.00	7,009.64	9,630.78	7,028.89	102.44	80.77	-87.47	-1,198.44	-5,386.76	1,456.72	1,273.33	183.39	7.943		
13,500.00	7,006.46	9,530.79	7,026.76	104.09	78.00	-87.51	-1,198.17	-5,486.72	1,455.56	1,273.30	182.27	7.986		
13,600.00	7,003.28	9,430.80	7,024.63	105.73	75.24	-87.55	-1,197.90	-5,586.69	1,454.41	1,273.25	181.16	8.028		
13,700.00	7,000.10	9,330.82	7,022.50	107.38	72.50	-87.59	-1,197.63	-5,686.65	1,453.25	1,273.19	180.07	8.071		
13,800.00	6,996.92	9,230.83	7,020.37	109.03	69.78	-87.63	-1,197.36	-5,786.62	1,452.10	1,273.11	178.99	8.113		
13,900.00	6,993.74	9,130.84	7,018.24	110.67	67.08	-87.67	-1,197.09	-5,886.58	1,450.94	1,273.00	177.94	8.154		
14,000.00	6,990.57	9,030.85	7,016.11	112.32	64.40	-87.71	-1,196.82	-5,986.55	1,449.79	1,272.88	176.91	8.195		
14,100.00	6,987.39	8,930.86	7,013.98	113.97	61.76	-87.75	-1,196.55	-6,086.51	1,448.64	1,272.73	175.91	8.235		
14,200.00	6,984.21	8,830.87	7,011.86	115.62	59.14	-87.79	-1,196.28	-6,186.48	1,447.49	1,272.56	174.93	8.275		
14,300.00	6,981.03	8,730.89	7,009.73	117.27	56.56	-87.83	-1,196.01	-6,286.44	1,446.34	1,272.35	173.99	8.313		
14,400.00	6,977.85	8,630.90	7,007.60	118.92	54.02	-87.87	-1,195.74	-6,386.41	1,445.19	1,272.10	173.09	8.350		
14,500.00	6,974.67	8,530.91	7,005.47	120.57	51.54	-87.91	-1,195.47	-6,486.37	1,444.04	1,271.81	172.23	8.385		
14,600.00	6,971.49	8,430.92	7,003.34	122.22	49.11	-87.95	-1,195.20	-6,586.34	1,442.89	1,271.47	171.42	8.417		
14,700.00	6,968.31	8,330.93	7,001.21	123.87	46.75	-87.99	-1,194.93	-6,686.30	1,441.74	1,271.07	170.67	8.448		
14,800.00	6,965.13	8,230.94	6,999.08	125.53	44.47	-88.03	-1,194.66	-6,786.27	1,440.59	1,270.61	169.98	8.475		
14,900.00	6,961.95	8,130.96	6,996.95	127.18	42.28	-88.07	-1,194.39	-6,886.23	1,439.45	1,270.07	169.38	8.498		
15,000.00	6,958.77	8,030.97	6,994.82	128.83	40.22	-88.11	-1,194.12	-6,986.20	1,438.30	1,269.43	168.87	8.517		
15,100.00	6,955.59	7,930.98	6,992.69	130.49	38.28	-88.15	-1,193.85	-7,086.17	1,437.15	1,268.69	168.47	8.531		
15,200.00	6,952.41	7,830.99	6,990.57	132.14	36.52	-88.19	-1,193.58	-7,186.13	1,436.01	1,267.82	168.19	8.538		
15,300.00	6,949.23	7,731.00	6,988.44	133.80	34.94	-88.23	-1,193.31	-7,286.10	1,434.87	1,266.80	168.07	8.537		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-07 BOST FARM 5-7 PAD - BOST FARM 26N-8B-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, 1750-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	
15,400.00	6,946.05	7,631.01	6,986.31	135.45	33.56	-88.27	-1,193.04	-7,386.06	1,433.72	1,265.62	168.10	8.529	
15,464.31	6,944.01	7,583.08	6,984.42	136.52	32.98	-88.26	-1,193.07	-7,433.95	1,433.27	1,264.92	168.36	8.513 CC	
15,500.00	6,942.87	7,559.18	6,982.24	137.11	32.70	-88.20	-1,193.33	-7,457.75	1,433.42	1,264.91	168.51	8.506	
15,533.10	6,941.82	7,537.14	6,979.45	137.66	32.46	-88.12	-1,193.71	-7,479.61	1,433.82	1,265.17	168.65	8.502	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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 2-9-11 - XOG PR Well - Actual Total Surveys										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		25-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	
6,400.00	6,314.80	7,046.00	6,524.86	17.22	56.56	57.08	-1,342.04	2,862.76	2,492.45	2,420.68	71.78	34.725	
6,500.00	6,413.35	7,106.00	6,581.14	17.53	57.02	56.80	-1,323.63	2,872.39	2,475.10	2,402.48	72.61	34.086	
6,600.00	6,512.28	7,140.00	6,613.07	17.79	57.29	73.83	-1,313.72	2,878.60	2,462.33	2,389.13	73.20	33.640	
6,641.24	6,553.45	7,140.00	6,613.07	17.85	57.29	125.03	-1,313.72	2,878.60	2,460.97	2,387.69	73.28	33.583 CC, ES	
6,700.00	6,612.08	7,140.00	6,613.07	17.94	57.29	-166.11	-1,313.72	2,878.60	2,463.72	2,390.34	73.38	33.574 SF	
6,800.00	6,710.50	7,140.00	6,613.07	18.03	57.29	-148.45	-1,313.72	2,878.60	2,480.88	2,407.43	73.45	33.776	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - Bluff Federal 32C-2-L - SRC Energy Planned Well - BHI Planned Surv				Offset Site Error:		0.00 usft
Survey Program:										20-SRC Energy_ISCWSA REV 2 MWD, 1820-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				
13,300.00	7,012.82	6,720.00	6,613.65	100.80	21.39	76.45	1,871.16	-7,105.80	2,474.67	2,386.05	88.62	27.924				
13,400.00	7,009.64	6,720.00	6,613.65	102.44	21.39	76.45	1,871.16	-7,105.80	2,402.03	2,310.31	91.72	26.188				
13,500.00	7,006.46	6,720.00	6,613.65	104.09	21.39	76.45	1,871.16	-7,105.80	2,331.41	2,236.46	94.95	24.553				
13,600.00	7,003.28	6,720.00	6,613.65	105.73	21.39	76.45	1,871.16	-7,105.80	2,263.01	2,164.69	98.32	23.017				
13,700.00	7,000.10	6,720.00	6,613.65	107.38	21.39	76.45	1,871.16	-7,105.80	2,197.03	2,095.22	101.81	21.580				
13,800.00	6,996.92	6,720.00	6,613.65	109.03	21.39	76.45	1,871.16	-7,105.80	2,133.70	2,028.29	105.41	20.241				
13,900.00	6,993.74	6,720.00	6,613.65	110.67	21.39	76.45	1,871.16	-7,105.80	2,073.27	1,964.15	109.12	19.000				
14,000.00	6,990.57	6,720.00	6,613.65	112.32	21.39	76.45	1,871.16	-7,105.80	2,015.98	1,903.08	112.90	17.856				
14,100.00	6,987.39	6,720.00	6,613.65	113.97	21.39	76.45	1,871.16	-7,105.80	1,962.12	1,845.38	116.74	16.807				
14,200.00	6,984.21	6,720.00	6,613.65	115.62	21.39	76.45	1,871.16	-7,105.80	1,911.98	1,791.37	120.60	15.853				
14,300.00	6,981.03	6,720.00	6,613.65	117.27	21.39	76.45	1,871.16	-7,105.80	1,865.85	1,741.40	124.45	14.993				
14,400.00	6,977.85	6,720.00	6,613.65	118.92	21.39	76.45	1,871.16	-7,105.80	1,824.04	1,695.81	128.23	14.225				
14,500.00	6,974.67	6,750.46	6,643.23	120.57	21.42	77.48	1,875.58	-7,111.57	1,786.32	1,654.18	132.15	13.518				
14,600.00	6,971.49	6,759.87	6,652.31	122.22	21.43	77.79	1,876.94	-7,113.64	1,753.73	1,617.99	135.74	12.920				
14,700.00	6,968.31	6,770.93	6,662.93	123.87	21.45	78.16	1,878.54	-7,116.25	1,726.20	1,587.07	139.13	12.407				
14,800.00	6,965.13	6,784.08	6,675.51	125.53	21.46	78.60	1,880.44	-7,119.59	1,703.96	1,561.69	142.27	11.977				
14,900.00	6,961.95	6,799.98	6,690.62	127.18	21.48	79.13	1,882.73	-7,123.98	1,687.16	1,542.05	145.11	11.627				
15,000.00	6,958.77	6,820.00	6,709.48	128.83	21.50	79.79	1,885.61	-7,130.05	1,675.89	1,528.27	147.62	11.353				
15,100.00	6,955.59	6,844.22	6,732.03	130.49	21.52	80.58	1,889.07	-7,138.18	1,670.17	1,520.40	149.77	11.152				
15,155.30	6,953.83	6,860.78	6,747.25	131.40	21.54	81.12	1,891.42	-7,144.24	1,669.35	1,518.53	150.81	11.069 CC				
15,200.00	6,952.41	6,876.10	6,761.21	132.14	21.55	81.61	1,893.58	-7,150.21	1,669.87	1,518.29	151.58	11.016 ES				
15,300.00	6,949.23	6,918.68	6,799.16	133.80	21.58	82.95	1,899.52	-7,168.54	1,674.74	1,521.64	153.10	10.939				
15,400.00	6,946.05	6,977.73	6,849.61	135.45	21.62	84.73	1,907.55	-7,198.12	1,684.23	1,529.78	154.44	10.905				
15,500.00	6,942.87	7,063.18	6,917.29	137.11	21.68	87.12	1,918.59	-7,249.01	1,697.37	1,541.54	155.84	10.892				
15,533.10	6,941.82	7,099.88	6,944.15	137.66	21.70	88.07	1,923.08	-7,273.59	1,702.26	1,545.88	156.37	10.886 SF				

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - Bluff Federal 32N-2C-L - SRC Energy Planned Well - BHI Planned Sur		Offset Site Error:		0.00 usft	
Survey Program:											20-SRC Energy_ISCWSA REV 2 MWD, 1820-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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
13,200.00	7,016.00	6,620.00	6,532.45	99.16	19.92	71.62	1,666.68	-7,115.29	2,448.95	2,370.35	78.59	31.160				
13,300.00	7,012.82	6,620.00	6,532.45	100.80	19.92	71.62	1,666.68	-7,115.29	2,370.72	2,289.23	81.49	29.092				
13,400.00	7,009.64	6,620.00	6,532.45	102.44	19.92	71.62	1,666.68	-7,115.29	2,294.19	2,209.64	84.55	27.134				
13,500.00	7,006.46	6,620.00	6,532.45	104.09	19.92	71.62	1,666.68	-7,115.29	2,219.52	2,131.75	87.77	25.288				
13,600.00	7,003.28	6,620.00	6,532.45	105.73	19.92	71.62	1,666.68	-7,115.29	2,146.92	2,055.76	91.16	23.552				
13,700.00	7,000.10	6,620.00	6,532.45	107.38	19.92	71.62	1,666.68	-7,115.29	2,076.60	1,981.89	94.71	21.927				
13,800.00	6,996.92	6,620.00	6,532.45	109.03	19.92	71.62	1,666.68	-7,115.29	2,008.79	1,910.38	98.41	20.412				
13,900.00	6,993.74	6,620.00	6,532.45	110.67	19.92	71.62	1,666.68	-7,115.29	1,943.76	1,841.50	102.27	19.007				
14,000.00	6,990.57	6,620.00	6,532.45	112.32	19.92	71.62	1,666.68	-7,115.29	1,881.81	1,775.56	106.25	17.711				
14,100.00	6,987.39	6,620.00	6,532.45	113.97	19.92	71.62	1,666.68	-7,115.29	1,823.23	1,712.89	110.34	16.524				
14,200.00	6,984.21	6,655.28	6,566.16	115.62	19.95	72.91	1,670.74	-7,124.90	1,767.46	1,652.77	114.69	15.411				
14,300.00	6,981.03	6,666.19	6,576.46	117.27	19.96	73.30	1,671.99	-7,128.25	1,716.07	1,597.10	118.97	14.424				
14,400.00	6,977.85	6,678.51	6,588.03	118.92	19.97	73.75	1,673.40	-7,132.25	1,668.90	1,545.64	123.26	13.540				
14,500.00	6,974.67	6,692.55	6,601.12	120.57	19.98	74.26	1,675.00	-7,137.07	1,626.28	1,498.77	127.50	12.755				
14,600.00	6,971.49	6,720.00	6,626.38	122.22	20.01	75.24	1,678.12	-7,147.34	1,588.58	1,456.90	131.69	12.063				
14,700.00	6,968.31	6,720.00	6,626.38	123.87	20.01	75.24	1,678.12	-7,147.34	1,555.89	1,420.32	135.56	11.477				
14,800.00	6,965.13	6,749.17	6,652.71	125.53	20.03	76.27	1,681.40	-7,159.45	1,528.57	1,389.24	139.33	10.971				
14,900.00	6,961.95	6,774.98	6,675.52	127.18	20.05	77.17	1,684.27	-7,171.16	1,506.79	1,364.02	142.77	10.554				
15,000.00	6,958.77	6,805.84	6,702.16	128.83	20.07	78.23	1,687.66	-7,186.38	1,490.57	1,344.71	145.86	10.219				
15,100.00	6,955.59	6,843.23	6,733.38	130.49	20.10	79.47	1,691.69	-7,206.53	1,479.82	1,331.21	148.61	9.957				
15,200.00	6,952.41	6,889.07	6,769.98	132.14	20.14	80.94	1,696.50	-7,233.70	1,474.27	1,323.24	151.03	9.761				
15,269.12	6,950.21	6,927.02	6,798.73	133.29	20.19	82.10	1,700.35	-7,258.16	1,473.22	1,320.69	152.53	9.658 CC				
15,300.00	6,949.23	6,945.93	6,812.51	133.80	20.22	82.65	1,702.22	-7,270.98	1,473.42	1,320.23	153.19	9.618 ES				
15,400.00	6,946.05	7,017.01	6,860.74	135.45	20.35	84.61	1,708.93	-7,322.71	1,476.46	1,321.25	155.21	9.513				
15,500.00	6,942.87	7,105.76	6,912.41	137.11	20.66	86.72	1,716.50	-7,394.38	1,482.23	1,324.84	157.39	9.418				
15,533.10	6,941.82	7,139.55	6,929.39	137.66	20.83	87.42	1,719.12	-7,423.47	1,484.48	1,326.29	158.19	9.384 SF				

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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, 1820-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	
13,600.00	7,003.28	6,572.11	6,435.82	105.73	22.46	72.65	2,067.23	-7,110.30	2,448.55	2,346.33	102.22	23.954	
13,700.00	7,000.10	6,576.41	6,439.97	107.38	22.47	72.78	2,068.01	-7,111.07	2,387.34	2,281.84	105.50	22.629	
13,800.00	6,996.92	6,581.12	6,444.52	109.03	22.47	72.92	2,068.86	-7,111.95	2,328.78	2,219.92	108.86	21.392	
13,900.00	6,993.74	6,586.31	6,449.52	110.67	22.48	73.07	2,069.80	-7,112.97	2,273.08	2,160.80	112.28	20.244	
14,000.00	6,990.57	6,620.00	6,481.78	112.32	22.54	74.06	2,075.89	-7,120.54	2,220.96	2,105.03	115.94	19.156	
14,100.00	6,987.39	6,620.00	6,481.78	113.97	22.54	74.06	2,075.89	-7,120.54	2,171.40	2,052.01	119.39	18.187	
14,200.00	6,984.21	6,620.00	6,481.78	115.62	22.54	74.06	2,075.89	-7,120.54	2,125.39	2,002.55	122.84	17.302	
14,300.00	6,981.03	6,620.00	6,481.78	117.27	22.54	74.06	2,075.89	-7,120.54	2,083.17	1,956.92	126.25	16.501	
14,400.00	6,977.85	6,620.00	6,481.78	118.92	22.54	74.06	2,075.89	-7,120.54	2,044.96	1,915.38	129.58	15.782	
14,500.00	6,974.67	6,620.00	6,481.78	120.57	22.54	74.06	2,075.89	-7,120.54	2,011.01	1,878.21	132.80	15.143	
14,600.00	6,971.49	6,645.26	6,505.68	122.22	22.56	74.79	2,080.43	-7,127.35	1,981.22	1,845.12	136.10	14.557	
14,700.00	6,968.31	6,659.31	6,518.84	123.87	22.58	75.20	2,082.95	-7,131.55	1,956.00	1,816.88	139.13	14.059	
14,800.00	6,965.13	6,675.87	6,534.24	125.53	22.60	75.67	2,085.91	-7,136.89	1,935.42	1,793.44	141.97	13.632	
14,900.00	6,961.95	6,695.67	6,552.46	127.18	22.62	76.24	2,089.42	-7,143.79	1,919.54	1,774.93	144.61	13.274	
15,000.00	6,958.77	6,720.00	6,574.54	128.83	22.64	76.92	2,093.71	-7,153.07	1,908.39	1,761.37	147.02	12.981	
15,100.00	6,955.59	6,749.40	6,600.72	130.49	22.67	77.74	2,098.83	-7,165.41	1,901.92	1,752.71	149.20	12.747	
15,194.72	6,952.58	6,784.61	6,631.30	132.06	22.69	78.69	2,104.87	-7,181.79	1,899.96	1,748.88	151.09	12.575 CC	
15,200.00	6,952.41	6,786.83	6,633.19	132.14	22.69	78.75	2,105.25	-7,182.88	1,899.97	1,748.78	151.19	12.567 ES	
15,300.00	6,949.23	6,835.07	6,673.43	133.80	22.72	80.02	2,113.31	-7,208.21	1,902.23	1,749.21	153.02	12.431	
15,400.00	6,946.05	6,898.71	6,723.40	135.45	22.75	81.59	2,123.51	-7,246.24	1,908.19	1,753.38	154.81	12.326	
15,500.00	6,942.87	6,984.41	6,784.25	137.11	22.80	83.51	2,136.31	-7,305.11	1,916.96	1,760.20	156.75	12.229	
15,533.10	6,941.82	7,019.07	6,806.55	137.66	22.82	84.21	2,141.13	-7,331.20	1,920.26	1,762.80	157.46	12.195 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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, 1949-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		
12,900.00	7,025.54	6,706.00	6,584.30	94.24	19.51	-67.51	-838.17	-7,061.99	2,493.47	2,429.42	64.05	38.932		
13,000.00	7,022.36	6,706.00	6,584.30	95.88	19.51	-67.51	-838.17	-7,061.99	2,405.62	2,339.44	66.17	36.354		
13,100.00	7,019.18	6,706.00	6,584.30	97.52	19.51	-67.51	-838.17	-7,061.99	2,318.74	2,250.30	68.45	33.875		
13,200.00	7,016.00	6,706.00	6,584.30	99.16	19.51	-67.51	-838.17	-7,061.99	2,232.97	2,162.08	70.89	31.498		
13,300.00	7,012.82	6,706.00	6,584.30	100.80	19.51	-67.51	-838.17	-7,061.99	2,148.43	2,074.92	73.52	29.224		
13,400.00	7,009.64	6,706.00	6,584.30	102.44	19.51	-67.51	-838.17	-7,061.99	2,065.28	1,988.95	76.33	27.058		
13,500.00	7,006.46	6,706.00	6,584.30	104.09	19.51	-67.51	-838.17	-7,061.99	1,983.67	1,904.33	79.34	25.001		
13,600.00	7,003.28	6,706.00	6,584.30	105.73	19.51	-67.51	-838.17	-7,061.99	1,903.83	1,821.25	82.57	23.057		
13,700.00	7,000.10	6,706.00	6,584.30	107.38	19.51	-67.51	-838.17	-7,061.99	1,825.96	1,739.94	86.02	21.227		
13,800.00	6,996.92	6,706.00	6,584.30	109.03	19.51	-67.51	-838.17	-7,061.99	1,750.35	1,660.65	89.70	19.513		
13,900.00	6,993.74	6,706.00	6,584.30	110.67	19.51	-67.51	-838.17	-7,061.99	1,677.30	1,583.69	93.61	17.918		
14,000.00	6,990.57	6,736.40	6,613.52	112.32	19.53	-68.93	-842.21	-7,069.33	1,606.33	1,508.33	98.00	16.391		
14,100.00	6,987.39	6,745.22	6,621.92	113.97	19.53	-69.34	-843.36	-7,071.74	1,538.96	1,436.52	102.44	15.023		
14,200.00	6,984.21	6,755.16	6,631.35	115.62	19.54	-69.80	-844.66	-7,074.60	1,475.13	1,368.04	107.10	13.774		
14,300.00	6,981.03	6,766.45	6,642.00	117.27	19.55	-70.32	-846.12	-7,078.05	1,415.30	1,303.38	111.92	12.645		
14,400.00	6,977.85	6,800.00	6,673.26	118.92	19.57	-71.88	-850.38	-7,089.47	1,360.29	1,243.27	117.02	11.625		
14,500.00	6,974.67	6,800.00	6,673.26	120.57	19.57	-71.88	-850.38	-7,089.47	1,309.59	1,187.69	121.91	10.743		
14,600.00	6,971.49	6,817.35	6,689.20	122.22	19.58	-72.68	-852.51	-7,095.97	1,264.63	1,137.79	126.85	9.970		
14,700.00	6,968.31	6,847.45	6,716.60	123.87	19.58	-74.06	-855.97	-7,107.94	1,225.43	1,093.71	131.72	9.303		
14,800.00	6,965.13	6,882.83	6,748.35	125.53	19.59	-75.67	-859.68	-7,123.09	1,192.28	1,055.94	136.34	8.745		
14,900.00	6,961.95	6,910.81	6,773.05	127.18	19.59	-76.93	-862.42	-7,135.94	1,165.59	1,025.11	140.48	8.297		
15,000.00	6,958.77	6,937.23	6,795.89	128.83	19.59	-78.11	-865.18	-7,148.94	1,146.03	1,001.98	144.05	7.956		
15,100.00	6,955.59	6,967.77	6,821.63	130.49	19.59	-79.44	-868.62	-7,165.01	1,133.77	986.76	147.01	7.712		
15,200.00	6,952.41	6,989.00	6,839.08	132.14	19.59	-80.35	-871.16	-7,176.82	1,128.87	979.76	149.10	7.571		
15,224.92	6,951.62	7,006.71	6,853.35	132.56	19.59	-81.10	-873.45	-7,187.06	1,128.68	978.96	149.72	7.539 CC, ES		
15,300.00	6,949.23	7,029.40	6,871.21	133.80	19.59	-82.04	-876.72	-7,200.66	1,131.15	980.37	150.79	7.502 SF		
15,400.00	6,946.05	7,062.79	6,896.60	135.45	19.60	-83.39	-882.20	-7,221.63	1,140.69	989.05	151.65	7.522		
15,500.00	6,942.87	7,123.43	6,940.09	137.11	19.62	-85.69	-893.43	-7,262.36	1,156.59	1,003.98	152.61	7.579		
15,533.10	6,941.82	7,154.24	6,961.08	137.66	19.64	-86.80	-899.04	-7,284.20	1,162.72	1,009.59	153.13	7.593		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - GREELEY-ROTHER 34N-2B-L - SRC Energy PR Well - Actual BHI Surv													<b>Offset Site Error:</b>	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1951-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		
13,000.00	7,022.36	6,613.00	6,517.99	95.88	18.30	-61.82	-713.62	-7,114.36	2,412.85	2,352.62	60.23	40.060		
13,100.00	7,019.18	6,613.00	6,517.99	97.52	18.30	-61.82	-713.62	-7,114.36	2,323.95	2,261.68	62.27	37.321		
13,200.00	7,016.00	6,613.00	6,517.99	99.16	18.30	-61.82	-713.62	-7,114.36	2,235.99	2,171.53	64.47	34.685		
13,300.00	7,012.82	6,613.00	6,517.99	100.80	18.30	-61.82	-713.62	-7,114.36	2,149.09	2,082.25	66.84	32.155		
13,400.00	7,009.64	6,651.38	6,554.93	102.44	18.31	-63.57	-713.11	-7,124.76	2,062.03	1,992.69	69.34	29.737		
13,500.00	7,006.46	6,658.56	6,561.79	104.09	18.31	-63.90	-713.14	-7,126.87	1,977.09	1,904.99	72.09	27.424		
13,600.00	7,003.28	6,666.16	6,569.03	105.73	18.31	-64.26	-713.22	-7,129.17	1,893.50	1,818.44	75.06	25.226		
13,700.00	7,000.10	6,674.22	6,576.70	107.38	18.32	-64.64	-713.35	-7,131.67	1,811.47	1,733.20	78.27	23.144		
13,800.00	6,996.92	6,706.00	6,606.67	109.03	18.33	-66.16	-714.38	-7,142.16	1,731.70	1,649.98	81.72	21.191		
13,900.00	6,993.74	6,706.00	6,606.67	110.67	18.33	-66.16	-714.38	-7,142.16	1,653.09	1,567.63	85.46	19.343		
14,000.00	6,990.57	6,706.00	6,606.67	112.32	18.33	-66.16	-714.38	-7,142.16	1,576.90	1,487.42	89.49	17.622		
14,100.00	6,987.39	6,706.00	6,606.67	113.97	18.33	-66.16	-714.38	-7,142.16	1,503.51	1,409.72	93.79	16.030		
14,200.00	6,984.21	6,706.00	6,606.67	115.62	18.33	-66.16	-714.38	-7,142.16	1,433.34	1,334.96	98.38	14.570		
14,300.00	6,981.03	6,735.59	6,634.23	117.27	18.34	-67.61	-716.08	-7,152.80	1,366.00	1,262.71	103.29	13.225		
14,400.00	6,977.85	6,748.48	6,646.12	118.92	18.34	-68.25	-717.05	-7,157.67	1,302.88	1,194.44	108.44	12.015		
14,500.00	6,974.67	6,762.26	6,658.76	120.57	18.35	-68.93	-718.25	-7,163.04	1,244.21	1,130.43	113.79	10.935		
14,600.00	6,971.49	6,800.00	6,692.91	122.22	18.37	-70.83	-722.34	-7,178.57	1,191.18	1,071.80	119.38	9.978		
14,700.00	6,968.31	6,800.00	6,692.91	123.87	18.37	-70.83	-722.34	-7,178.57	1,142.84	1,018.04	124.80	9.158		
14,800.00	6,965.13	6,800.00	6,692.91	125.53	18.37	-70.83	-722.34	-7,178.57	1,101.48	971.50	129.98	8.474		
14,900.00	6,961.95	6,832.59	6,721.72	127.18	18.38	-72.46	-726.55	-7,193.20	1,066.95	931.80	135.16	7.894		
15,000.00	6,958.77	6,857.27	6,743.02	128.83	18.39	-73.69	-729.96	-7,205.18	1,040.06	900.32	139.74	7.443		
15,100.00	6,955.59	6,894.00	6,773.83	130.49	18.41	-75.48	-735.36	-7,224.43	1,021.10	877.29	143.81	7.100		
15,200.00	6,952.41	6,919.25	6,794.25	132.14	18.43	-76.69	-739.25	-7,238.77	1,010.04	863.13	146.91	6.875		
15,294.52	6,949.41	6,958.33	6,824.26	133.71	18.45	-78.47	-745.45	-7,263.00	1,006.76	857.44	149.32	6.742 CC		
15,300.00	6,949.23	6,960.87	6,826.14	133.80	18.45	-78.58	-745.86	-7,264.65	1,006.77	857.33	149.44	6.737 ES		
15,400.00	6,946.05	7,028.35	6,872.61	135.45	18.52	-81.37	-756.61	-7,312.30	1,010.25	858.45	151.80	6.655		
15,500.00	6,942.87	7,179.08	6,950.20	137.11	18.94	-86.06	-773.38	-7,439.85	1,015.80	860.20	155.60	6.528		
15,533.10	6,941.82	7,231.60	6,969.88	137.66	19.33	-87.26	-776.24	-7,488.45	1,016.65	859.69	156.96	6.477 SF		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - GREELEY-ROTHER FEDERAL 12C-2-L - SRC Energy PR Well - Actua				Offset Site Error:		0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1765-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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
12,700.00	7,031.90	6,710.00	6,631.01	90.96	17.98	32.65	497.43	-7,098.13	2,471.00	2,435.66	35.34	69.927				
12,800.00	7,028.72	6,710.00	6,631.01	92.60	17.98	32.65	497.43	-7,098.13	2,372.92	2,337.20	35.72	66.427				
12,900.00	7,025.54	6,710.00	6,631.01	94.24	17.98	32.65	497.43	-7,098.13	2,275.01	2,238.85	36.16	62.916				
13,000.00	7,022.36	6,710.00	6,631.01	95.88	17.98	32.65	497.43	-7,098.13	2,177.30	2,140.64	36.66	59.396				
13,100.00	7,019.18	6,710.00	6,631.01	97.52	17.98	32.65	497.43	-7,098.13	2,079.79	2,042.57	37.23	55.869				
13,200.00	7,016.00	6,710.00	6,631.01	99.16	17.98	32.65	497.43	-7,098.13	1,982.54	1,944.66	37.88	52.339				
13,300.00	7,012.82	6,710.00	6,631.01	100.80	17.98	32.65	497.43	-7,098.13	1,885.57	1,846.95	38.63	48.814				
13,400.00	7,009.64	6,710.00	6,631.01	102.44	17.98	32.65	497.43	-7,098.13	1,788.94	1,749.45	39.49	45.298				
13,500.00	7,006.46	6,741.14	6,661.05	104.09	18.01	35.28	502.59	-7,104.52	1,691.84	1,651.36	40.48	41.796				
13,600.00	7,003.28	6,747.69	6,667.32	105.73	18.02	35.87	503.75	-7,106.00	1,595.64	1,554.02	41.61	38.344				
13,700.00	7,000.10	6,754.73	6,674.05	107.38	18.03	36.52	505.01	-7,107.63	1,499.84	1,456.90	42.93	34.935				
13,800.00	6,996.92	6,762.33	6,681.30	109.03	18.04	37.24	506.41	-7,109.46	1,404.52	1,360.05	44.47	31.584				
13,900.00	6,993.74	6,770.56	6,689.12	110.67	18.05	38.04	507.96	-7,111.51	1,309.77	1,263.49	46.27	28.306				
14,000.00	6,990.57	6,779.50	6,697.58	112.32	18.06	38.94	509.69	-7,113.81	1,215.70	1,167.30	48.40	25.117				
14,100.00	6,987.39	6,804.00	6,720.61	113.97	18.08	41.52	514.64	-7,120.55	1,122.70	1,071.77	50.93	22.042				
14,200.00	6,984.21	6,804.00	6,720.61	115.62	18.08	41.52	514.64	-7,120.55	1,030.29	976.33	53.97	19.091				
14,300.00	6,981.03	6,804.00	6,720.61	117.27	18.08	41.52	514.64	-7,120.55	939.44	881.81	57.63	16.300				
14,400.00	6,977.85	6,804.00	6,720.61	118.92	18.08	41.52	514.64	-7,120.55	850.64	788.55	62.09	13.700				
14,500.00	6,974.67	6,834.61	6,748.99	120.57	18.10	44.95	520.66	-7,130.29	763.26	695.77	67.49	11.309				
14,600.00	6,971.49	6,850.39	6,763.42	122.22	18.11	46.78	523.46	-7,136.02	679.23	605.08	74.15	9.160				
14,700.00	6,968.31	6,869.54	6,780.72	123.87	18.12	49.05	526.58	-7,143.62	599.10	516.76	82.34	7.276				
14,800.00	6,965.13	6,898.00	6,805.92	125.53	18.14	52.53	530.65	-7,156.19	524.30	431.98	92.32	5.679				
14,900.00	6,961.95	6,927.05	6,831.04	127.18	18.14	56.18	534.02	-7,170.38	456.43	352.14	104.29	4.377				
15,000.00	6,958.77	6,970.61	6,867.59	128.83	18.14	61.82	537.44	-7,193.81	397.56	279.75	117.82	3.374				
15,100.00	6,955.59	7,018.90	6,906.27	130.49	18.14	68.24	539.28	-7,222.63	350.25	218.39	131.87	2.656				
15,200.00	6,952.41	7,073.24	6,947.17	132.14	18.16	75.60	540.61	-7,258.36	318.23	174.13	144.10	2.208				
15,300.00	6,949.23	7,132.39	6,988.07	133.80	18.24	83.44	542.01	-7,301.03	303.72	152.16	151.56	2.004				
15,332.16	6,948.21	7,153.51	7,001.65	134.33	18.28	86.10	542.74	-7,317.20	302.86	150.21	152.65	1.984	CC, ES, SF			
15,400.00	6,946.05	7,202.38	7,030.81	135.45	18.42	91.85	544.95	-7,356.33	306.30	153.08	153.22	1.999				
15,500.00	6,942.87	7,287.22	7,073.36	137.11	18.84	99.98	550.48	-7,429.43	320.90	169.05	151.85	2.113				
15,533.10	6,941.82	7,320.47	7,086.92	137.66	19.10	102.44	553.06	-7,459.67	327.02	175.49	151.53	2.158				

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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, 2049-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	
12,800.00	7,028.72	6,560.14	6,454.33	92.60	18.85	37.18	679.27	-7,068.27	2,410.42	2,369.30	41.12	58.618	
12,900.00	7,025.54	6,566.89	6,460.77	94.24	18.85	37.57	680.39	-7,069.92	2,315.18	2,273.11	42.06	55.039	
13,000.00	7,022.36	6,573.89	6,467.44	95.88	18.86	37.98	681.62	-7,071.65	2,220.29	2,177.18	43.11	51.502	
13,100.00	7,019.18	6,581.17	6,474.36	97.52	18.87	38.41	682.97	-7,073.49	2,125.80	2,081.52	44.27	48.015	
13,200.00	7,016.00	6,588.74	6,481.53	99.16	18.88	38.87	684.45	-7,075.44	2,031.75	1,986.18	45.57	44.587	
13,300.00	7,012.82	6,618.00	6,508.97	100.80	18.91	40.74	690.89	-7,083.25	1,938.55	1,891.48	47.07	41.187	
13,400.00	7,009.64	6,618.00	6,508.97	102.44	18.91	40.74	690.89	-7,083.25	1,845.38	1,796.72	48.66	37.922	
13,500.00	7,006.46	6,618.00	6,508.97	104.09	18.91	40.74	690.89	-7,083.25	1,752.96	1,702.51	50.45	34.745	
13,600.00	7,003.28	6,618.00	6,508.97	105.73	18.91	40.74	690.89	-7,083.25	1,661.42	1,608.96	52.46	31.669	
13,700.00	7,000.10	6,618.00	6,508.97	107.38	18.91	40.74	690.89	-7,083.25	1,570.92	1,516.19	54.72	28.707	
13,800.00	6,996.92	6,618.00	6,508.97	109.03	18.91	40.74	690.89	-7,083.25	1,481.63	1,424.36	57.27	25.870	
13,900.00	6,993.74	6,618.00	6,508.97	110.67	18.91	40.74	690.89	-7,083.25	1,393.80	1,333.65	60.15	23.172	
14,000.00	6,990.57	6,654.21	6,542.27	112.32	18.95	43.23	700.17	-7,093.99	1,306.21	1,242.63	63.58	20.544	
14,100.00	6,987.39	6,664.06	6,551.19	113.97	18.96	43.94	702.91	-7,097.17	1,221.24	1,153.89	67.35	18.133	
14,200.00	6,984.21	6,674.73	6,560.77	115.62	18.98	44.72	705.96	-7,100.73	1,138.45	1,066.81	71.64	15.891	
14,300.00	6,981.03	6,686.29	6,571.06	117.27	18.99	45.57	709.39	-7,104.74	1,058.31	981.78	76.53	13.829	
14,400.00	6,977.85	6,713.00	6,594.44	118.92	19.02	47.61	717.76	-7,114.56	981.68	899.41	82.27	11.932	
14,500.00	6,974.67	6,713.00	6,594.44	120.57	19.02	47.61	717.76	-7,114.56	908.56	820.21	88.35	10.283	
14,600.00	6,971.49	6,713.00	6,594.44	122.22	19.02	47.61	717.76	-7,114.56	840.99	745.95	95.04	8.849	
14,700.00	6,968.31	6,749.47	6,625.55	123.87	19.05	50.45	729.58	-7,129.47	778.79	675.69	103.10	7.554	
14,800.00	6,965.13	6,772.51	6,644.72	125.53	19.08	52.26	737.01	-7,139.86	724.29	612.94	111.35	6.504	
14,900.00	6,961.95	6,808.00	6,673.45	127.18	19.11	55.07	748.37	-7,157.32	678.68	558.62	120.06	5.653	
15,000.00	6,958.77	6,870.40	6,721.84	128.83	19.12	59.80	764.42	-7,193.17	642.02	513.13	128.89	4.981	
15,100.00	6,955.59	7,017.42	6,822.02	130.49	19.13	69.20	769.18	-7,299.37	605.91	470.42	135.49	4.472	
15,200.00	6,952.41	7,072.27	6,852.48	132.14	19.21	72.13	764.11	-7,344.67	573.78	431.76	142.03	4.040	
15,300.00	6,949.23	7,124.64	6,877.27	133.80	19.42	74.66	759.80	-7,390.58	549.68	401.78	147.90	3.716	
15,400.00	6,946.05	7,180.00	6,898.94	135.45	19.73	77.02	757.43	-7,441.44	534.59	381.89	152.70	3.501	
15,500.00	6,942.87	7,252.88	6,920.67	137.11	20.43	79.55	756.41	-7,510.96	526.84	370.22	156.63	3.364	
15,533.10	6,941.82	7,278.81	6,926.61	137.66	20.71	80.28	756.32	-7,536.20	525.44	367.65	157.79	3.330 CC, ES, SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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, 1860-SRC Energy_ISCWSA REV 2 MWD+IFR1												<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
12,800.00	7,028.72	6,613.00	6,490.47	92.60	19.95	50.08	886.36	-7,089.61	2,465.40	2,417.44	47.96	51.407	
12,900.00	7,025.54	6,613.00	6,490.47	94.24	19.95	50.08	886.36	-7,089.61	2,371.62	2,322.35	49.27	48.131	
13,000.00	7,022.36	6,613.00	6,490.47	95.88	19.95	50.08	886.36	-7,089.61	2,278.37	2,227.66	50.72	44.925	
13,100.00	7,019.18	6,613.00	6,490.47	97.52	19.95	50.08	886.36	-7,089.61	2,185.72	2,133.43	52.30	41.795	
13,200.00	7,016.00	6,640.82	6,517.22	99.16	19.99	51.71	890.84	-7,095.79	2,093.24	2,039.10	54.13	38.667	
13,300.00	7,012.82	6,648.00	6,524.08	100.80	20.00	52.14	892.15	-7,097.43	2,001.71	1,945.63	56.08	35.696	
13,400.00	7,009.64	6,655.38	6,531.13	102.44	20.01	52.60	893.58	-7,099.14	1,910.95	1,852.73	58.22	32.824	
13,500.00	7,006.46	6,662.99	6,538.35	104.09	20.03	53.07	895.12	-7,100.93	1,821.08	1,760.50	60.58	30.060	
13,600.00	7,003.28	6,670.81	6,545.77	105.73	20.04	53.56	896.79	-7,102.78	1,732.23	1,669.03	63.20	27.411	
13,700.00	7,000.10	6,678.86	6,553.37	107.38	20.05	54.07	898.59	-7,104.72	1,644.56	1,578.47	66.09	24.883	
13,800.00	6,996.92	6,708.00	6,580.67	109.03	20.09	55.97	905.78	-7,111.93	1,558.62	1,489.12	69.50	22.426	
13,900.00	6,993.74	6,708.00	6,580.67	110.67	20.09	55.97	905.78	-7,111.93	1,473.71	1,400.72	73.00	20.189	
14,000.00	6,990.57	6,708.00	6,580.67	112.32	20.09	55.97	905.78	-7,111.93	1,390.81	1,313.95	76.87	18.094	
14,100.00	6,987.39	6,708.00	6,580.67	113.97	20.09	55.97	905.78	-7,111.93	1,310.31	1,229.16	81.15	16.147	
14,200.00	6,984.21	6,708.00	6,580.67	115.62	20.09	55.97	905.78	-7,111.93	1,232.65	1,146.79	85.86	14.356	
14,300.00	6,981.03	6,708.00	6,580.67	117.27	20.09	55.97	905.78	-7,111.93	1,158.43	1,067.41	91.02	12.727	
14,400.00	6,977.85	6,737.82	6,608.16	118.92	20.14	57.97	913.95	-7,120.10	1,087.26	990.09	97.17	11.189	
14,500.00	6,974.67	6,748.22	6,617.62	120.57	20.16	58.67	916.92	-7,123.25	1,021.24	917.79	103.46	9.871	
14,600.00	6,971.49	6,759.86	6,628.13	122.22	20.18	59.46	920.30	-7,126.95	960.80	850.66	110.14	8.723	
14,700.00	6,968.31	6,772.95	6,639.83	123.87	20.20	60.35	924.19	-7,131.33	906.98	789.92	117.07	7.748	
14,800.00	6,965.13	6,803.00	6,666.23	125.53	20.25	62.40	933.46	-7,142.28	861.22	736.83	124.40	6.923	
14,900.00	6,961.95	6,803.00	6,666.23	127.18	20.25	62.40	933.46	-7,142.28	823.87	693.35	130.53	6.312	
15,000.00	6,958.77	6,830.67	6,689.94	128.83	20.28	64.27	942.11	-7,153.62	796.71	660.07	136.64	5.831	
15,100.00	6,955.59	6,863.84	6,717.52	130.49	20.31	66.47	952.21	-7,168.99	779.98	638.22	141.76	5.502	
15,200.00	6,952.41	6,907.58	6,752.34	132.14	20.36	69.27	965.03	-7,192.15	773.56	627.75	145.82	5.305	
15,215.94	6,951.90	6,915.63	6,758.53	132.41	20.36	69.77	967.32	-7,196.76	773.45	627.08	146.37	5.284 CC	
15,300.00	6,949.23	6,965.68	6,795.30	133.80	20.38	72.74	981.08	-7,227.76	776.51	627.52	148.98	5.212	
15,400.00	6,946.05	7,189.15	6,924.77	135.45	20.44	83.05	1,017.73	-7,404.03	783.81	628.62	155.19	5.051	
15,500.00	6,942.87	7,284.00	6,964.52	137.11	20.75	86.17	1,019.76	-7,490.10	782.37	624.30	158.07	4.949	
15,506.62	6,942.66	7,288.93	6,966.38	137.22	20.78	86.31	1,019.85	-7,494.65	782.36	624.11	158.25	4.944	
15,533.10	6,941.82	7,308.85	6,973.64	137.66	20.93	86.89	1,020.26	-7,513.20	782.50	623.56	158.94	4.923 ES, SF	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - GREELEY-ROTHE FEDERAL 13C-2-L - SRC Energy PR Well - Actua													Offset Site Error:	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1785-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		
12,700.00	7,031.90	6,716.00	6,660.73	90.96	16.87	-38.29	-48.11	-7,101.57	2,477.23	2,441.46	35.77	69.254		
12,800.00	7,028.72	6,716.00	6,660.73	92.60	16.87	-38.29	-48.11	-7,101.57	2,379.11	2,342.88	36.23	65.674		
12,900.00	7,025.54	6,716.00	6,660.73	94.24	16.87	-38.29	-48.11	-7,101.57	2,281.15	2,244.42	36.74	62.096		
13,000.00	7,022.36	6,716.00	6,660.73	95.88	16.87	-38.29	-48.11	-7,101.57	2,183.39	2,146.08	37.31	58.524		
13,100.00	7,019.18	6,716.00	6,660.73	97.52	16.87	-38.29	-48.11	-7,101.57	2,085.83	2,047.88	37.95	54.962		
13,200.00	7,016.00	6,716.00	6,660.73	99.16	16.87	-38.29	-48.11	-7,101.57	1,988.52	1,949.84	38.68	51.413		
13,300.00	7,012.82	6,716.00	6,660.73	100.80	16.87	-38.29	-48.11	-7,101.57	1,891.48	1,851.98	39.50	47.884		
13,400.00	7,009.64	6,716.00	6,660.73	102.44	16.87	-38.29	-48.11	-7,101.57	1,794.77	1,754.33	40.44	44.382		
13,500.00	7,006.46	6,716.00	6,660.73	104.09	16.87	-38.29	-48.11	-7,101.57	1,698.45	1,656.93	41.51	40.914		
13,600.00	7,003.28	6,716.00	6,660.73	105.73	16.87	-38.29	-48.11	-7,101.57	1,602.57	1,559.83	42.74	37.491		
13,700.00	7,000.10	6,716.00	6,660.73	107.38	16.87	-38.29	-48.11	-7,101.57	1,507.23	1,463.06	44.17	34.125		
13,800.00	6,996.92	6,753.03	6,696.36	109.03	16.89	-40.89	-45.30	-7,111.25	1,411.09	1,365.74	45.35	31.113		
13,900.00	6,993.74	6,762.09	6,704.99	110.67	16.89	-41.58	-44.59	-7,113.90	1,316.34	1,269.27	47.07	27.963		
14,000.00	6,990.57	6,772.08	6,714.47	112.32	16.89	-42.35	-43.80	-7,116.96	1,222.22	1,173.16	49.06	24.911		
14,100.00	6,987.39	6,783.16	6,724.93	113.97	16.89	-43.24	-42.91	-7,120.52	1,128.85	1,077.46	51.38	21.969		
14,200.00	6,984.21	6,811.00	6,750.93	115.62	16.90	-45.59	-40.61	-7,130.19	1,036.65	982.88	53.77	19.279		
14,300.00	6,981.03	6,811.00	6,750.93	117.27	16.90	-45.59	-40.61	-7,130.19	945.00	887.72	57.28	16.498		
14,400.00	6,977.85	6,811.00	6,750.93	118.92	16.90	-45.59	-40.61	-7,130.19	855.22	793.67	61.55	13.895		
14,500.00	6,974.67	6,837.00	6,774.83	120.57	16.91	-48.01	-38.71	-7,140.24	766.89	700.90	65.99	11.621		
14,600.00	6,971.49	6,853.55	6,789.82	122.22	16.91	-49.67	-37.79	-7,147.20	681.19	609.35	71.84	9.482		
14,700.00	6,968.31	6,872.54	6,806.78	123.87	16.92	-51.70	-37.01	-7,155.69	598.73	519.63	79.11	7.569		
14,800.00	6,965.13	6,905.00	6,835.14	125.53	16.92	-55.46	-36.38	-7,171.47	520.95	433.11	87.84	5.931		
14,900.00	6,961.95	6,905.00	6,835.14	127.18	16.92	-55.46	-36.38	-7,171.47	449.50	349.64	99.86	4.501		
15,000.00	6,958.77	6,949.09	6,872.43	128.83	16.95	-61.20	-37.50	-7,194.94	386.50	273.30	113.20	3.414		
15,100.00	6,955.59	6,981.67	6,899.07	130.49	16.97	-65.85	-40.09	-7,213.50	337.44	209.06	128.38	2.628		
15,200.00	6,952.41	7,021.74	6,930.65	132.14	17.02	-71.84	-45.09	-7,237.65	307.21	165.38	141.83	2.166		
15,285.53	6,949.69	7,063.39	6,962.02	133.56	17.10	-78.09	-51.43	-7,264.29	298.88	150.25	148.62	2.011 CC		
15,300.00	6,949.23	7,070.96	6,967.56	133.80	17.11	-79.20	-52.70	-7,269.29	299.11	149.91	149.20	2.005 ES, SF		
15,400.00	6,946.05	7,140.84	7,015.88	135.45	17.31	-88.85	-64.87	-7,318.23	311.74	161.51	150.23	2.075		
15,500.00	6,942.87	7,254.31	7,080.76	137.11	17.89	-100.88	-80.83	-7,409.66	334.47	184.01	150.46	2.223		
15,533.10	6,941.82	7,303.08	7,102.29	137.66	18.29	-104.60	-85.02	-7,453.19	341.12	190.05	151.07	2.258		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - GREELEY-ROTHE FEDERAL 13N-2B-L - SRC Energy PR Well - Actu												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1785-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	
12,800.00	7,028.72	6,524.00	6,464.40	92.60	16.68	-41.34	-255.87	-7,092.41	2,450.39	2,408.79	41.60	58.899	
12,900.00	7,025.54	6,524.00	6,464.40	94.24	16.68	-41.34	-255.87	-7,092.41	2,355.45	2,312.83	42.62	55.272	
13,000.00	7,022.36	6,560.99	6,500.27	95.88	16.70	-43.27	-256.92	-7,101.39	2,259.80	2,216.13	43.67	51.753	
13,100.00	7,019.18	6,567.40	6,506.44	97.52	16.70	-43.62	-257.10	-7,103.11	2,165.34	2,120.48	44.86	48.266	
13,200.00	7,016.00	6,574.25	6,513.02	99.16	16.70	-43.99	-257.30	-7,105.01	2,071.33	2,025.15	46.18	44.852	
13,300.00	7,012.82	6,581.59	6,520.05	100.80	16.70	-44.40	-257.51	-7,107.11	1,977.81	1,930.17	47.64	41.519	
13,400.00	7,009.64	6,616.00	6,552.73	102.44	16.72	-46.37	-258.49	-7,117.82	1,885.47	1,836.32	49.15	38.364	
13,500.00	7,006.46	6,616.00	6,552.73	104.09	16.72	-46.37	-258.49	-7,117.82	1,792.82	1,741.87	50.95	35.189	
13,600.00	7,003.28	6,616.00	6,552.73	105.73	16.72	-46.37	-258.49	-7,117.82	1,701.00	1,648.04	52.96	32.118	
13,700.00	7,000.10	6,616.00	6,552.73	107.38	16.72	-46.37	-258.49	-7,117.82	1,610.16	1,554.95	55.21	29.163	
13,800.00	6,996.92	6,616.00	6,552.73	109.03	16.72	-46.37	-258.49	-7,117.82	1,520.47	1,462.73	57.74	26.333	
13,900.00	6,993.74	6,616.00	6,552.73	110.67	16.72	-46.37	-258.49	-7,117.82	1,432.14	1,371.56	60.58	23.639	
14,000.00	6,990.57	6,645.26	6,580.12	112.32	16.72	-48.15	-259.91	-7,128.00	1,344.43	1,280.83	63.60	21.138	
14,100.00	6,987.39	6,656.10	6,590.16	113.97	16.72	-48.84	-260.73	-7,132.02	1,258.76	1,191.61	67.15	18.746	
14,200.00	6,984.21	6,667.75	6,600.87	115.62	16.73	-49.61	-261.79	-7,136.47	1,175.02	1,103.85	71.17	16.509	
14,300.00	6,981.03	6,680.29	6,612.31	117.27	16.73	-50.46	-263.14	-7,141.43	1,093.62	1,017.88	75.74	14.439	
14,400.00	6,977.85	6,709.00	6,638.12	118.92	16.74	-52.47	-267.00	-7,153.40	1,015.38	934.45	80.93	12.547	
14,500.00	6,974.67	6,709.00	6,638.12	120.57	16.74	-52.47	-267.00	-7,153.40	940.01	853.21	86.80	10.829	
14,600.00	6,971.49	6,709.00	6,638.12	122.22	16.74	-52.47	-267.00	-7,153.40	869.62	776.30	93.33	9.318	
14,700.00	6,968.31	6,750.47	6,674.38	123.87	16.75	-55.50	-273.37	-7,172.46	803.48	702.78	100.71	7.979	
14,800.00	6,965.13	6,776.38	6,696.39	125.53	16.76	-57.42	-277.33	-7,185.54	743.92	635.29	108.63	6.848	
14,900.00	6,961.95	6,804.00	6,719.26	127.18	16.77	-59.48	-281.52	-7,200.44	691.73	574.78	116.95	5.915	
15,000.00	6,958.77	6,850.73	6,756.52	128.83	16.81	-62.95	-287.93	-7,227.90	647.71	522.29	125.42	5.164	
15,100.00	6,955.59	6,904.73	6,797.12	130.49	16.86	-66.86	-293.65	-7,263.01	612.19	478.75	133.44	4.588	
15,200.00	6,952.41	6,974.18	6,844.83	132.14	17.04	-71.59	-297.99	-7,313.23	584.70	444.12	140.58	4.159	
15,300.00	6,949.23	7,040.66	6,884.87	133.80	17.35	-75.70	-299.48	-7,366.22	564.41	417.89	146.53	3.852	
15,400.00	6,946.05	7,113.06	6,921.00	135.45	17.86	-79.57	-300.29	-7,428.90	551.58	400.28	151.30	3.646	
15,500.00	6,942.87	7,197.10	6,951.54	137.11	18.72	-82.98	-300.26	-7,507.09	544.15	388.93	155.22	3.506	
15,533.10	6,941.82	7,227.29	6,959.63	137.66	19.12	-83.92	-300.02	-7,536.18	542.42	385.99	156.43	3.467 CC, ES, SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - GREELEY-ROTHER FEDERAL 13N-2C-L - SRC Energy PR Well - Actu		Offset Site Error:		0.00 usft
Survey Program:											20-SRC Energy_ISCWSA REV 2 MWD, 1952-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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
12,800.00	7,028.72	6,615.00	6,548.34	92.60	17.17	-55.09	-448.73	-7,102.07	2,487.07	2,439.35	47.72	52.121			
12,900.00	7,025.54	6,615.00	6,548.34	94.24	17.17	-55.09	-448.73	-7,102.07	2,393.22	2,344.15	49.07	48.771			
13,000.00	7,022.36	6,615.00	6,548.34	95.88	17.17	-55.09	-448.73	-7,102.07	2,299.90	2,249.35	50.55	45.500			
13,100.00	7,019.18	6,615.00	6,548.34	97.52	17.17	-55.09	-448.73	-7,102.07	2,207.16	2,155.00	52.16	42.315			
13,200.00	7,016.00	6,615.00	6,548.34	99.16	17.17	-55.09	-448.73	-7,102.07	2,115.08	2,061.15	53.92	39.223			
13,300.00	7,012.82	6,615.00	6,548.34	100.80	17.17	-55.09	-448.73	-7,102.07	2,023.75	1,967.89	55.86	36.231			
13,400.00	7,009.64	6,615.00	6,548.34	102.44	17.17	-55.09	-448.73	-7,102.07	1,933.28	1,875.30	57.98	33.345			
13,500.00	7,006.46	6,645.91	6,578.14	104.09	17.19	-56.97	-453.37	-7,108.82	1,843.12	1,782.65	60.48	30.477			
13,600.00	7,003.28	6,654.57	6,586.45	105.73	17.19	-57.50	-454.46	-7,110.96	1,754.36	1,691.27	63.08	27.810			
13,700.00	7,000.10	6,664.32	6,595.80	107.38	17.20	-58.10	-455.56	-7,113.51	1,666.74	1,600.78	65.96	25.270			
13,800.00	6,996.92	6,675.38	6,606.37	109.03	17.21	-58.77	-456.67	-7,116.57	1,580.43	1,511.31	69.12	22.865			
13,900.00	6,993.74	6,688.03	6,618.41	110.67	17.21	-59.54	-457.75	-7,120.28	1,495.63	1,423.02	72.61	20.599			
14,000.00	6,990.57	6,708.00	6,637.31	112.32	17.23	-60.76	-459.03	-7,126.60	1,412.57	1,336.13	76.44	18.479			
14,100.00	6,987.39	6,732.70	6,660.53	113.97	17.23	-62.27	-459.86	-7,135.00	1,331.36	1,250.74	80.62	16.514			
14,200.00	6,984.21	6,775.68	6,700.56	115.62	17.24	-64.89	-459.20	-7,150.62	1,251.90	1,166.87	85.04	14.721			
14,300.00	6,981.03	14,300.00	6,726.58	117.27	21.42	-66.63	-457.37	-7,161.55	1,174.36	1,076.66	97.70	12.021			
14,400.00	6,977.85	6,803.00	6,725.68	118.92	17.24	-66.57	-457.39	-7,161.19	1,100.19	1,004.55	95.64	11.503			
14,500.00	6,974.67	6,840.41	6,759.35	120.57	17.24	-68.87	-454.18	-7,177.17	1,028.78	927.39	101.38	10.147			
14,600.00	6,971.49	6,859.65	6,776.21	122.22	17.25	-70.06	-452.55	-7,186.28	962.23	854.39	107.84	8.923			
14,700.00	6,968.31	6,898.00	6,808.81	123.87	17.25	-72.44	-449.32	-7,206.20	901.12	786.74	114.38	7.879			
14,800.00	6,965.13	6,898.00	6,808.81	125.53	17.25	-72.44	-449.32	-7,206.20	845.49	723.64	121.86	6.938			
14,900.00	6,961.95	6,898.00	6,808.81	127.18	17.25	-72.44	-449.32	-7,206.20	798.57	669.38	129.19	6.182			
15,000.00	6,958.77	6,946.34	6,847.36	128.83	17.30	-75.40	-446.58	-7,235.17	758.02	622.30	135.72	5.585			
15,100.00	6,955.59	6,990.00	6,878.98	130.49	17.35	-77.96	-446.34	-7,265.24	728.67	587.08	141.59	5.146			
15,200.00	6,952.41	6,990.00	6,878.98	132.14	17.35	-77.96	-446.34	-7,265.24	708.84	562.48	146.36	4.843			
15,300.00	6,949.23	7,035.33	6,908.56	133.80	17.47	-80.46	-448.73	-7,299.48	699.58	549.74	149.83	4.669			
15,335.30	6,948.11	7,047.68	6,916.08	134.38	17.50	-81.10	-449.90	-7,309.21	698.93	548.27	150.66	4.639 CC, ES			
15,400.00	6,946.05	7,082.00	6,935.63	135.45	17.59	-82.81	-454.34	-7,337.05	701.23	549.26	151.97	4.614 SF			
15,500.00	6,942.87	7,114.80	6,953.00	137.11	17.74	-84.34	-459.99	-7,364.29	712.24	559.82	152.42	4.673			
15,533.10	6,941.82	7,129.96	6,960.77	137.66	17.80	-85.02	-463.01	-7,376.96	717.84	565.39	152.45	4.709			

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - GREELEY-ROTHE FEDERAL 32C-2-L - SRC Energy PR Well - Actua													Offset Site Error:	0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1957-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		
12,900.00	7,025.54	6,807.00	6,633.41	94.24	23.13	69.83	1,320.15	-7,096.73	2,496.61	2,430.73	65.88	37.894		
13,000.00	7,022.36	6,807.00	6,633.41	95.88	23.13	69.83	1,320.15	-7,096.73	2,408.25	2,340.24	68.01	35.411		
13,100.00	7,019.18	6,807.00	6,633.41	97.52	23.13	69.83	1,320.15	-7,096.73	2,320.83	2,250.54	70.29	33.017		
13,200.00	7,016.00	6,807.00	6,633.41	99.16	23.13	69.83	1,320.15	-7,096.73	2,234.47	2,161.73	72.74	30.717		
13,300.00	7,012.82	6,807.00	6,633.41	100.80	23.13	69.83	1,320.15	-7,096.73	2,149.30	2,073.92	75.38	28.513		
13,400.00	7,009.64	6,807.00	6,633.41	102.44	23.13	69.83	1,320.15	-7,096.73	2,065.45	1,987.24	78.21	26.409		
13,500.00	7,006.46	6,807.00	6,633.41	104.09	23.13	69.83	1,320.15	-7,096.73	1,983.10	1,901.85	81.25	24.407		
13,600.00	7,003.28	6,807.00	6,633.41	105.73	23.13	69.83	1,320.15	-7,096.73	1,902.45	1,817.94	84.51	22.511		
13,700.00	7,000.10	6,807.00	6,633.41	107.38	23.13	69.83	1,320.15	-7,096.73	1,823.71	1,735.70	88.00	20.723		
13,800.00	6,996.92	6,807.00	6,633.41	109.03	23.13	69.83	1,320.15	-7,096.73	1,747.14	1,655.41	91.73	19.046		
13,900.00	6,993.74	6,807.00	6,633.41	110.67	23.13	69.83	1,320.15	-7,096.73	1,673.06	1,577.35	95.71	17.481		
14,000.00	6,990.57	6,807.00	6,633.41	112.32	23.13	69.83	1,320.15	-7,096.73	1,601.79	1,501.87	99.92	16.031		
14,100.00	6,987.39	6,807.00	6,633.41	113.97	23.13	69.83	1,320.15	-7,096.73	1,533.73	1,429.37	104.36	14.696		
14,200.00	6,984.21	6,807.00	6,633.41	115.62	23.13	69.83	1,320.15	-7,096.73	1,469.33	1,360.33	109.00	13.480		
14,300.00	6,981.03	6,807.00	6,633.41	117.27	23.13	69.83	1,320.15	-7,096.73	1,409.09	1,295.29	113.80	12.382		
14,400.00	6,977.85	6,808.33	6,634.64	118.92	23.13	69.90	1,320.65	-7,096.69	1,353.57	1,234.84	118.72	11.401		
14,500.00	6,974.67	6,807.00	6,633.41	120.57	23.13	69.83	1,320.15	-7,096.73	1,303.36	1,179.78	123.58	10.547		
14,600.00	6,971.49	6,807.00	6,633.41	122.22	23.13	69.83	1,320.15	-7,096.73	1,259.11	1,130.75	128.36	9.810		
14,700.00	6,968.31	6,807.00	6,633.41	123.87	23.13	69.83	1,320.15	-7,096.73	1,221.46	1,088.58	132.88	9.192		
14,800.00	6,965.13	6,807.00	6,633.41	125.53	23.13	69.83	1,320.15	-7,096.73	1,191.04	1,054.05	136.99	8.694		
14,900.00	6,961.95	6,807.00	6,633.41	127.18	23.13	69.83	1,320.15	-7,096.73	1,168.41	1,027.87	140.53	8.314		
15,000.00	6,958.77	6,807.00	6,633.41	128.83	23.13	69.83	1,320.15	-7,096.73	1,154.03	1,010.67	143.35	8.050		
15,100.00	6,955.59	6,807.00	6,633.41	130.49	23.13	69.83	1,320.15	-7,096.73	1,148.21	1,002.86	145.35	7.900		
15,118.11	6,955.02	15,118.11	6,656.88	130.79	55.05	71.07	1,328.20	-7,098.68	1,147.81	978.89	168.93	6.795 ES, SF		
15,200.00	6,952.41	7,216.81	6,991.12	132.14	23.60	88.33	1,387.09	-7,254.42	1,148.14	995.78	152.37	7.535		
15,300.00	6,949.23	7,273.00	7,029.97	133.80	23.55	90.34	1,385.70	-7,294.98	1,144.93	990.90	154.02	7.433		
15,315.67	6,948.73	7,291.55	7,042.01	134.06	23.54	90.97	1,385.27	-7,309.09	1,144.76	990.47	154.28	7.420 CC		
15,400.00	6,946.05	7,331.67	7,066.58	135.45	23.51	92.24	1,385.04	-7,340.78	1,146.75	991.37	155.38	7.380		
15,500.00	6,942.87	7,387.14	7,097.08	137.11	23.49	93.83	1,386.26	-7,387.08	1,153.88	997.43	156.45	7.375		
15,533.10	6,941.82	7,408.47	7,107.68	137.66	23.48	94.39	1,387.13	-7,405.57	1,157.20	1,000.38	156.82	7.379		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - GREELEY-ROTHER FEDERAL 32N-2B-L - SRC Energy PR Well - Act					Offset Site Error:		0.00 usft
Survey Program: 20-SRC Energy_ISCWSA REV 2 MWD, 1864-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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
12,900.00	7,025.54	6,657.65	6,511.45	94.24	21.57	59.27	1,114.36	-7,082.11	2,429.73	2,371.59	58.14	41.789				
13,000.00	7,022.36	6,663.91	6,517.52	95.88	21.58	59.59	1,115.10	-7,083.46	2,339.21	2,279.19	60.01	38.977				
13,100.00	7,019.18	6,670.84	6,524.22	97.52	21.58	59.95	1,115.85	-7,085.03	2,249.43	2,187.39	62.04	36.258				
13,200.00	7,016.00	6,678.55	6,531.67	99.16	21.59	60.34	1,116.61	-7,086.85	2,160.48	2,096.25	64.23	33.636				
13,300.00	7,012.82	6,687.17	6,539.99	100.80	21.60	60.78	1,117.35	-7,088.99	2,072.46	2,005.86	66.61	31.116				
13,400.00	7,009.64	6,712.00	6,563.84	102.44	21.63	62.03	1,118.87	-7,095.73	1,985.61	1,916.43	69.17	28.705				
13,500.00	7,006.46	6,712.00	6,563.84	104.09	21.63	62.03	1,118.87	-7,095.73	1,899.65	1,827.69	71.95	26.401				
13,600.00	7,003.28	6,712.00	6,563.84	105.73	21.63	62.03	1,118.87	-7,095.73	1,815.13	1,740.15	74.97	24.210				
13,700.00	7,000.10	6,712.00	6,563.84	107.38	21.63	62.03	1,118.87	-7,095.73	1,732.25	1,654.00	78.25	22.137				
13,800.00	6,996.92	6,712.00	6,563.84	109.03	21.63	62.03	1,118.87	-7,095.73	1,651.28	1,569.47	81.81	20.184				
13,900.00	6,993.74	6,742.13	6,592.46	110.67	21.64	63.57	1,120.39	-7,105.01	1,571.59	1,485.97	85.63	18.354				
14,000.00	6,990.57	6,751.96	6,601.72	112.32	21.64	64.08	1,120.97	-7,108.28	1,494.65	1,404.86	89.79	16.646				
14,100.00	6,987.39	6,762.65	6,611.72	113.97	21.65	64.63	1,121.66	-7,111.96	1,420.35	1,326.08	94.28	15.066				
14,200.00	6,984.21	6,774.28	6,622.55	115.62	21.65	65.24	1,122.47	-7,116.14	1,349.12	1,250.02	99.10	13.614				
14,300.00	6,981.03	6,806.00	6,651.71	117.27	21.66	66.90	1,125.00	-7,128.35	1,281.78	1,177.56	104.22	12.298				
14,400.00	6,977.85	6,806.00	6,651.71	118.92	21.66	66.90	1,125.00	-7,128.35	1,217.80	1,108.13	109.67	11.104				
14,500.00	6,974.67	6,806.00	6,651.71	120.57	21.66	66.90	1,125.00	-7,128.35	1,158.93	1,043.62	115.31	10.051				
14,600.00	6,971.49	6,806.00	6,651.71	122.22	21.66	66.90	1,125.00	-7,128.35	1,105.98	984.96	121.02	9.139				
14,700.00	6,968.31	6,844.27	6,686.13	123.87	21.68	68.94	1,129.09	-7,144.55	1,058.04	931.13	126.91	8.337				
14,800.00	6,965.13	6,860.77	6,700.69	125.53	21.69	69.82	1,131.33	-7,151.99	1,017.76	885.25	132.51	7.681				
14,900.00	6,961.95	6,899.00	6,733.70	127.18	21.71	71.87	1,137.59	-7,170.22	985.77	847.86	137.91	7.148				
15,000.00	6,958.77	6,899.00	6,733.70	128.83	21.71	71.87	1,137.59	-7,170.22	961.24	818.99	142.25	6.757				
15,100.00	6,955.59	6,920.79	6,752.00	130.49	21.72	73.03	1,141.76	-7,181.30	946.18	800.23	145.95	6.483				
15,200.00	6,952.41	6,946.78	6,773.21	132.14	21.74	74.39	1,147.17	-7,195.29	940.28	791.58	148.70	6.323				
15,214.66	6,951.95	6,950.88	6,776.50	132.39	21.74	74.61	1,148.07	-7,197.57	940.19	791.17	149.02	6.309 CC, ES				
15,300.00	6,949.23	6,976.36	6,796.52	133.80	21.76	75.91	1,153.90	-7,212.20	943.44	792.99	150.45	6.271				
15,400.00	6,946.05	7,085.78	6,873.92	135.45	21.80	80.94	1,177.71	-7,285.45	954.03	800.61	153.42	6.218				
15,500.00	6,942.87	7,205.61	6,939.34	137.11	21.79	85.16	1,194.45	-7,384.10	963.51	807.19	156.32	6.164 SF				
15,533.10	6,941.82	7,223.11	6,947.18	137.66	21.80	85.66	1,196.79	-7,399.57	967.40	810.67	156.74	6.172				

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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-67W-01 Offsets Incomplete - GREELEY-ROTHER FEDERAL 33N-2B-L - SRC Energy PR Well - Actu				Offset Site Error:		0.00 usft	
Survey Program:										20-SRC Energy_ISCWSA REV 2 MWD, 1864-SRC Energy_ISCWSA REV 2 MWD+IFR1				Offset Well Error:		3.28 usft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)						
12,700.00	7,031.90	6,529.00	6,471.25	90.96	16.75	-13.22	111.43	-7,094.64	2,496.81	2,463.55	33.26	75.061					
12,800.00	7,028.72	6,529.00	6,471.25	92.60	16.75	-13.22	111.43	-7,094.64	2,399.59	2,365.99	33.60	71.416					
12,900.00	7,025.54	6,529.00	6,471.25	94.24	16.75	-13.22	111.43	-7,094.64	2,302.61	2,268.63	33.98	67.760					
13,000.00	7,022.36	6,565.73	6,506.85	95.88	16.76	-13.97	112.56	-7,103.55	2,204.55	2,170.36	34.19	64.483					
13,100.00	7,019.18	6,571.36	6,512.27	97.52	16.76	-14.09	112.75	-7,105.09	2,107.68	2,073.08	34.60	60.920					
13,200.00	7,016.00	6,577.40	6,518.06	99.16	16.77	-14.22	112.97	-7,106.80	2,011.04	1,975.99	35.05	57.369					
13,300.00	7,012.82	6,583.91	6,524.28	100.80	16.77	-14.36	113.20	-7,108.71	1,914.67	1,879.10	35.57	53.834					
13,400.00	7,009.64	6,621.00	6,559.32	102.44	16.78	-15.22	114.70	-7,120.74	1,819.53	1,783.72	35.81	50.810					
13,500.00	7,006.46	6,621.00	6,559.32	104.09	16.78	-15.22	114.70	-7,120.74	1,723.36	1,686.87	36.49	47.223					
13,600.00	7,003.28	6,621.00	6,559.32	105.73	16.78	-15.22	114.70	-7,120.74	1,627.66	1,590.37	37.29	43.644					
13,700.00	7,000.10	6,621.00	6,559.32	107.38	16.78	-15.22	114.70	-7,120.74	1,532.51	1,494.28	38.23	40.082					
13,800.00	6,996.92	6,621.00	6,559.32	109.03	16.78	-15.22	114.70	-7,120.74	1,438.02	1,398.68	39.34	36.550					
13,900.00	6,993.74	6,621.00	6,559.32	110.67	16.78	-15.22	114.70	-7,120.74	1,344.33	1,303.67	40.66	33.064					
14,000.00	6,990.57	6,621.00	6,559.32	112.32	16.78	-15.22	114.70	-7,120.74	1,251.61	1,209.38	42.22	29.643					
14,100.00	6,987.39	6,660.11	6,595.45	113.97	16.79	-16.23	116.31	-7,135.62	1,158.23	1,115.35	42.88	27.009					
14,200.00	6,984.21	6,674.22	6,608.25	115.62	16.79	-16.63	116.84	-7,141.53	1,066.55	1,022.08	44.46	23.987					
14,300.00	6,981.03	6,714.00	6,643.59	117.27	16.80	-17.88	118.22	-7,159.72	976.64	931.28	45.36	21.529					
14,400.00	6,977.85	6,714.00	6,643.59	118.92	16.80	-17.88	118.22	-7,159.72	886.51	838.38	48.12	18.422					
14,500.00	6,974.67	6,714.00	6,643.59	120.57	16.80	-17.88	118.22	-7,159.72	798.72	747.16	51.55	15.493					
14,600.00	6,971.49	6,748.34	6,673.09	122.22	16.81	-19.12	119.30	-7,177.25	712.32	658.46	53.86	13.226					
14,700.00	6,968.31	6,773.00	6,693.61	123.87	16.83	-20.09	120.06	-7,190.91	628.40	571.05	57.36	10.956					
14,800.00	6,965.13	6,809.00	6,722.49	125.53	16.85	-21.67	121.12	-7,212.37	547.36	486.39	60.97	8.978					
14,900.00	6,961.95	6,833.94	6,741.67	127.18	16.89	-22.86	121.92	-7,228.30	469.60	403.00	66.59	7.052					
15,000.00	6,958.77	6,871.93	6,769.42	128.83	16.96	-24.81	123.41	-7,254.18	396.36	323.68	72.68	5.454					
15,100.00	6,955.59	6,916.84	6,799.82	130.49	17.07	-27.31	125.60	-7,287.15	328.69	248.73	79.95	4.111					
15,200.00	6,952.41	6,970.27	6,832.55	132.14	17.29	-30.59	128.69	-7,329.25	267.72	179.15	88.57	3.023					
15,300.00	6,949.23	7,030.34	6,864.60	133.80	17.65	-34.65	132.60	-7,379.86	215.01	116.00	99.02	2.171					
15,400.00	6,946.05	7,098.99	6,894.26	135.45	18.19	-39.69	136.72	-7,441.59	172.96	62.04	110.92	1.559					
15,500.00	6,942.87	7,181.49	6,922.72	137.11	19.11	-46.42	141.20	-7,518.88	140.52	17.31	123.21	1.141	Level 2				
15,533.10	6,941.82	7,209.32	6,930.78	137.66	19.51	-48.80	142.65	-7,545.47	131.74	4.16	127.58	1.033	Level 2, CC, ES, SF				

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well VOLT 33N-6C-M
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Reference Site:</b>	5N-66W-05 VOLT 19-5 PAD	<b>MD Reference:</b>	RKB = 4' @ 4817.00usft (IKON 12)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	VOLT 33N-6C-M	<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, 1777-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	
12,700.00	7,031.90	6,618.00	6,550.71	90.96	17.21	9.79	324.79	-7,105.92	2,484.94	2,452.16	32.79	75.787	
12,800.00	7,028.72	6,618.00	6,550.71	92.60	17.21	9.79	324.79	-7,105.92	2,386.95	2,353.94	33.01	72.315	
12,900.00	7,025.54	6,618.00	6,550.71	94.24	17.21	9.79	324.79	-7,105.92	2,289.12	2,255.86	33.26	68.824	
13,000.00	7,022.36	6,618.00	6,550.71	95.88	17.21	9.79	324.79	-7,105.92	2,191.50	2,157.94	33.55	65.314	
13,100.00	7,019.18	6,618.00	6,550.71	97.52	17.21	9.79	324.79	-7,105.92	2,094.09	2,060.20	33.89	61.785	
13,200.00	7,016.00	6,618.00	6,550.71	99.16	17.21	9.79	324.79	-7,105.92	1,996.95	1,962.66	34.29	58.237	
13,300.00	7,012.82	6,618.00	6,550.71	100.80	17.21	9.79	324.79	-7,105.92	1,900.10	1,865.34	34.75	54.672	
13,400.00	7,009.64	6,618.00	6,550.71	102.44	17.21	9.79	324.79	-7,105.92	1,803.59	1,768.29	35.30	51.094	
13,500.00	7,006.46	6,654.39	6,585.76	104.09	17.22	10.50	324.30	-7,115.69	1,706.26	1,670.80	35.46	48.116	
13,600.00	7,003.28	6,662.95	6,593.93	105.73	17.23	10.71	324.39	-7,118.22	1,609.95	1,573.95	36.01	44.711	
13,700.00	7,000.10	6,672.19	6,602.73	107.38	17.23	10.95	324.57	-7,121.04	1,513.96	1,477.33	36.63	41.329	
13,800.00	6,996.92	6,682.19	6,612.21	109.03	17.23	11.24	324.87	-7,124.20	1,418.34	1,380.99	37.35	37.979	
13,900.00	6,993.74	6,713.00	6,641.15	110.67	17.24	12.31	326.47	-7,134.65	1,323.53	1,285.78	37.76	35.054	
14,000.00	6,990.57	6,713.00	6,641.15	112.32	17.24	12.31	326.47	-7,134.65	1,228.47	1,189.55	38.93	31.560	
14,100.00	6,987.39	6,713.00	6,641.15	113.97	17.24	12.31	326.47	-7,134.65	1,134.26	1,093.90	40.37	28.100	
14,200.00	6,984.21	6,713.00	6,641.15	115.62	17.24	12.31	326.47	-7,134.65	1,041.13	998.98	42.15	24.700	
14,300.00	6,981.03	6,744.10	6,669.83	117.27	17.25	13.66	328.91	-7,146.41	948.14	904.93	43.21	21.944	
14,400.00	6,977.85	6,759.90	6,684.16	118.92	17.26	14.46	330.40	-7,152.89	856.51	811.37	45.14	18.974	
14,500.00	6,974.67	6,777.63	6,700.05	120.57	17.26	15.45	332.26	-7,160.55	766.13	718.64	47.50	16.130	
14,600.00	6,971.49	6,808.00	6,726.69	122.22	17.27	17.43	335.94	-7,174.64	677.47	627.57	49.90	13.578	
14,700.00	6,968.31	6,808.00	6,726.69	123.87	17.27	17.43	335.94	-7,174.64	590.71	535.87	54.83	10.772	
14,800.00	6,965.13	6,844.98	6,758.09	125.53	17.29	20.35	340.96	-7,193.51	506.29	447.30	58.99	8.582	
14,900.00	6,961.95	6,874.30	6,782.05	127.18	17.31	23.08	345.21	-7,209.86	425.73	360.31	65.42	6.507	
15,000.00	6,958.77	6,909.61	6,809.72	128.83	17.33	26.93	350.57	-7,231.11	350.19	276.01	74.18	4.721	
15,100.00	6,955.59	6,955.50	6,843.85	130.49	17.39	32.64	356.34	-7,261.22	281.27	195.42	85.85	3.276	
15,200.00	6,952.41	7,013.95	6,884.14	132.14	17.49	40.91	360.63	-7,303.31	220.92	119.82	101.09	2.185	
15,300.00	6,949.23	7,091.10	6,931.96	133.80	17.71	52.95	357.69	-7,363.66	168.69	50.67	118.03	1.429 Level 3	
15,400.00	6,946.05	7,171.00	6,973.63	135.45	18.17	67.14	346.14	-7,430.76	125.25	-11.30	136.54	0.917 Level 1	
15,500.00	6,942.87	7,254.57	7,007.70	137.11	18.89	84.68	330.14	-7,505.31	94.09	-58.23	152.32	0.618 Level 1	
15,533.10	6,941.82	7,283.29	7,017.17	137.66	19.19	91.21	324.79	-7,531.89	87.34	-67.74	155.08	0.563 Level 1, CC, ES, SF	

# Hewlett-Packard

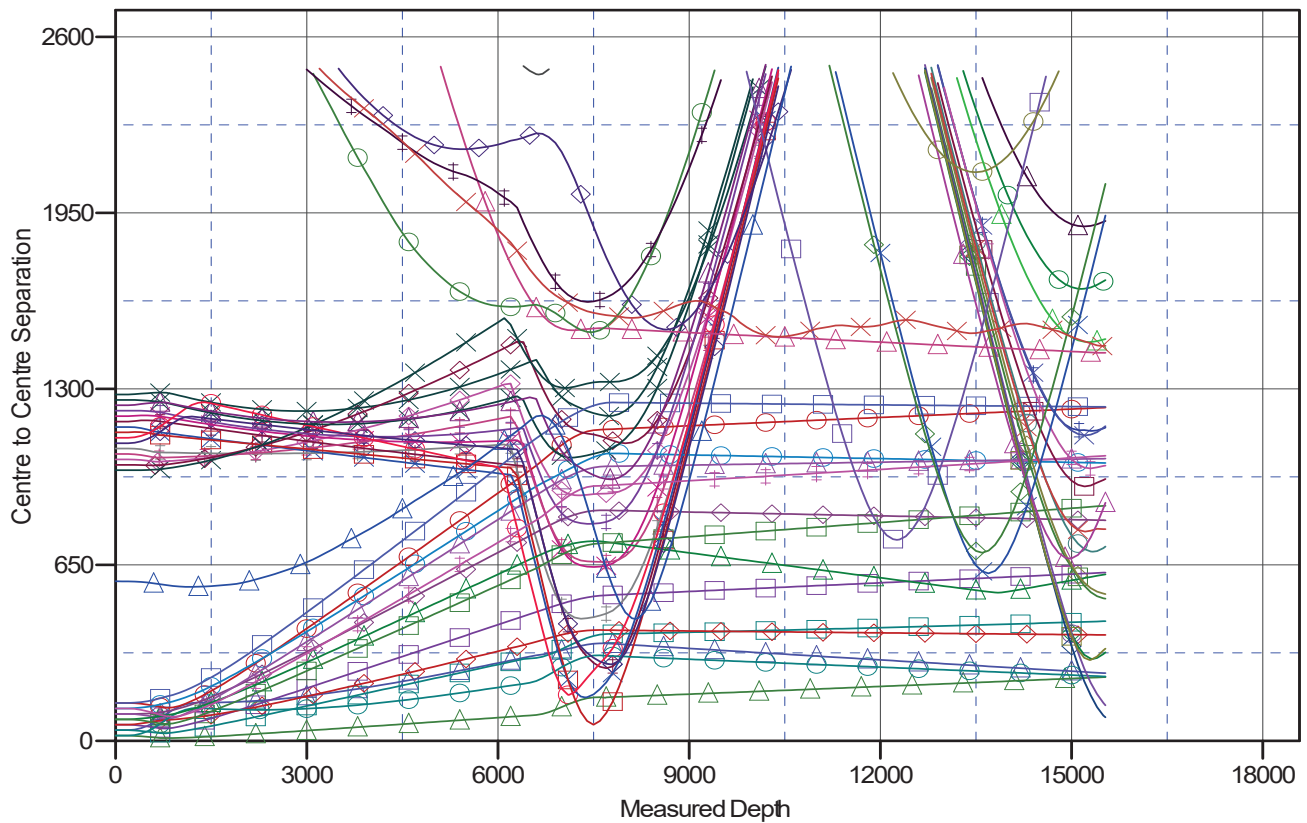
## Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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' @ 4817.00usft (IKON 12)  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000

Coordinates are relative to: VOLT 33N-6C-M  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.45°

### Ladder Plot



### LEGEND

TCMOISERHLL 2-9-11,XOG PRWell,Actual Total SurveysV0	VOLT 36C8-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 34C2-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT 36N8B-L,Wellbore#1,Design#1V0	VOLT 36N8B-L,Wellbore#1,Design#1V0	Buffederal32N2C-L,SRCEnergyPlanned Well,B-Planned SurveysV0
VOLT 11N8B-L,Wellbore#1,Design#1V0	VOLT 11N8B-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 13N2B-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT 13306-M,Wellbore#1,Design#1V0	VOLT 13N8C-M,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 34N2B-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT 1306-M,Wellbore#1,Design#1V0	VOLT 34N8C-M,Wellbore#1,Design#1V0	Buffederal34N2B-L,SRCEnergyPlanned Well,B-Planned SurveysV0
VOLT 14N8B-L,Wellbore#1,Design#1V0	VOLT 23N8A-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 12N2C-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT 12N8A-M,Wellbore#1,Design#1V0	VOLT 14C8-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 13G2-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT 11C8-L,Wellbore#1,Design#1V0	VOLT 25N8A-L,Wellbore#1,Design#1V0	BRANDONR1,POCSIWet,ActualMSEnergySurveysV0
VOLT 13N8B-M,Wellbore#1,Design#1V0	VOLT 3206-M,Wellbore#1,Design#1V0	WILKEN 5-6,POCSIWet,ActualVBSurveysV0
VOLT 32N8B-M,Wellbore#1,Design#1V0	VOLT 12N8C-M,Wellbore#1,Design#1V0	SOUTH6-22D,SRCP&A Well,ActualVBSurveysV0
VOLT 25N8C-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 32N2-L,SRCEnergyPRWell,ActualBHSurveysV0	SOUTH6-24D,SRCP&A Well,ActualVBSurveysV0
VOLT 34Q8-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 32C2-L,SRCEnergyPRWell,ActualBHSurveysV0	SOUTH6-23D,SRCP&A Well,ActualVBSurveysV0
VOLT 34N8B-M,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 12N2A-L,SRCEnergyPRWell,ActualBHSurveysV0	BOSTFARM6N8B-L,Wellbore#1,Design#1V0
VOLT 14N8C-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 12N2C-L,SRCEnergyPRWell,ActualBHSurveysV0	WIEDEMAN25-5,Noble EnergyPRWell,ActualQorethdSurveys(Grid to True)V0
VOLT 23N8B-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 12G2-L,SRCEnergyPRWell,ActualBHSurveysV0	BOOMERANG28C-3-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT 32N8A-M,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 33N2B-L,SRCEnergyPRWell,ActualBHSurveysV0	WIEDEMAN2-5,Noble EnergyPRWell,ActualQorethdSurveys(Grid to True)V0
VOLT 23N8C-L,Wellbore#1,Design#1V0	Buffederal32C2-L,SRCEnergyPlanned Well,B-Planned SurveysV0	BOOMERANG34N6C-M,SRCPRWell,ActualBHSurveysV0
VOLT 33N8A-M,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL 33N2C-L,SRCEnergyPRWell,ActualBHSurveysV0	PSCJ511,Noble EnergySWel,ActualVESurveys(Grid to True)V0



# Hewlett-Packard

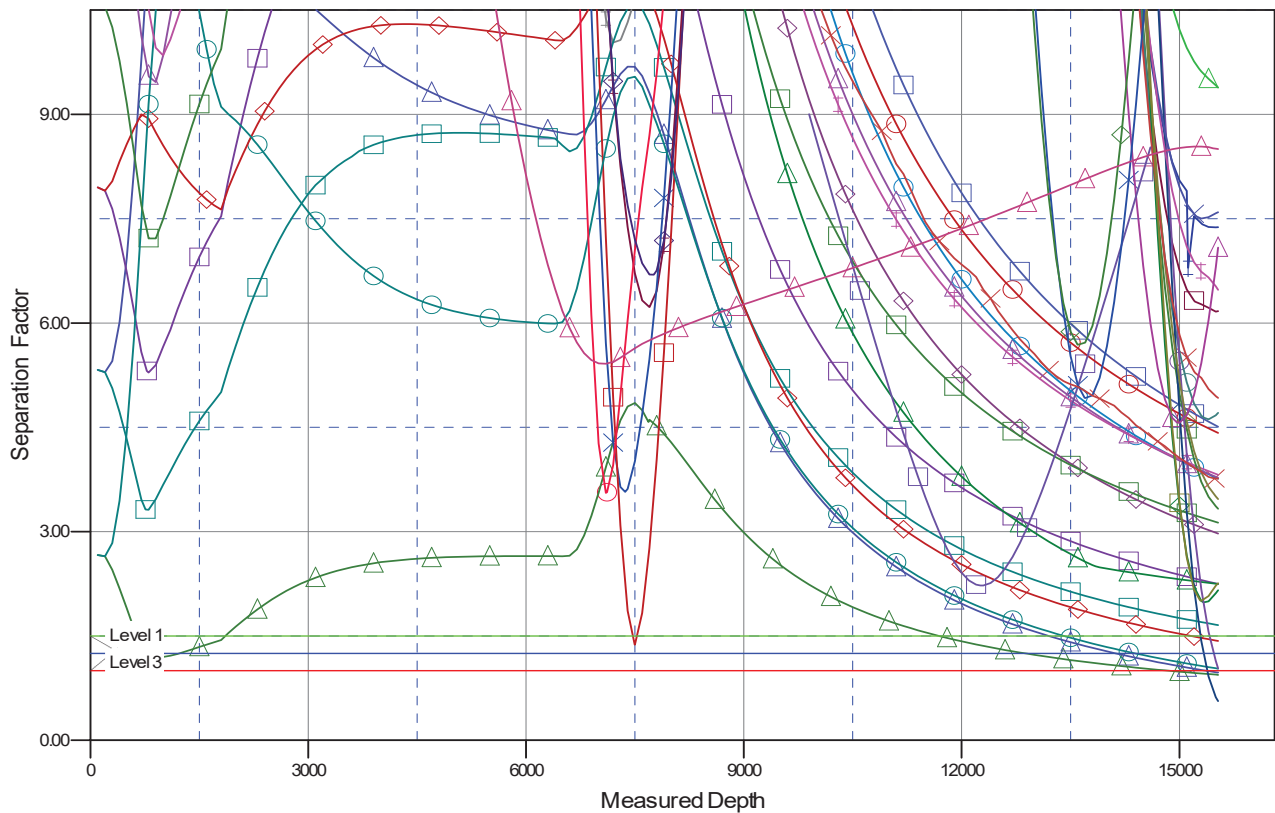
## Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well VOLT 33N-6C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Reference Site:	5N-66W-05 VOLT 19-5 PAD	MD Reference:	RKB = 4' @ 4817.00usft (IKON 12)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	VOLT 33N-6C-M	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' @ 4817.00usft (IKON 12)  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000

Coordinates are relative to: VOLT 33N-6C-M  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.45°

## Separation Factor Plot



## LEGEND

TCMOISERHLL2-9-11XOG PRWell,ActualTotalSurveysV0	VOLT36C8-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL34C2-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT36NB-L,Wellbore#1,Design#1V0	VOLT36NB-L,Wellbore#1,Design#1V0	BuffFederal32N2C-L,SRCEnergyPlannedWell,B-PlannedSurveysV0
VOLT11NB-L,Wellbore#1,Design#1V0	VOLT11NB-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL13N2B-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT1330B-M,Wellbore#1,Design#1V0	VOLT1330B-M,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL34N2B-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT1330B-L,Wellbore#1,Design#1V0	VOLT1330B-L,Wellbore#1,Design#1V0	BuffFederal32N2B-L,SRCEnergyPlannedWell,B-PlannedSurveysV0
VOLT14NB-L,Wellbore#1,Design#1V0	VOLT14NB-L,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL12N2C-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT12NB-M,Wellbore#1,Design#1V0	VOLT12NB-M,Wellbore#1,Design#1V0	GREELEY-ROTHEFEDERAL13G2-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT11C3-L,Wellbore#1,Design#1V0	VOLT11C3-L,Wellbore#1,Design#1V0	BRANDON1,PDCSWell,ActualMSEnergySurveysV0
VOLT13NB-M,Wellbore#1,Design#1V0	VOLT13NB-M,Wellbore#1,Design#1V0	WILKEN15-6,PDCSWell,ActualMSEnergySurveysV0
VOLT132NB-M,Wellbore#1,Design#1V0	VOLT132NB-M,Wellbore#1,Design#1V0	SOUTH6-22D,SROP&AWell,ActualVBSurveysV0
VOLT125N2-L,Wellbore#1,Design#1V0	VOLT125N2-L,Wellbore#1,Design#1V0	SOUTH6-24D,SROP&AWell,VESGyroSurveysV0
VOLT134G-L,Wellbore#1,Design#1V0	VOLT134G-L,Wellbore#1,Design#1V0	SOUTH6-23D,SROP&AWell,ActualVBSurveysV0
VOLT14NB-L,Wellbore#1,Design#1V0	VOLT14NB-L,Wellbore#1,Design#1V0	BOSTFARM26NB-L,Wellbore#1,Design#1V0
VOLT123NB-L,Wellbore#1,Design#1V0	VOLT123NB-L,Wellbore#1,Design#1V0	WIEDEMAN25-5,NobleEnergyPRWell,ActualCoreledSurveys(GridtoTrue)V0
VOLT123NB-L,Wellbore#1,Design#1V0	VOLT123NB-L,Wellbore#1,Design#1V0	BOOMERANG28C-3-L,SRCEnergyPRWell,ActualBHSurveysV0
VOLT123NB-L,Wellbore#1,Design#1V0	VOLT123NB-L,Wellbore#1,Design#1V0	WIEDEMAN2-5,NobleEnergyPRWell,ActualCoreledSurveys(GridtoTrue)V0
VOLT123NB-L,Wellbore#1,Design#1V0	VOLT123NB-L,Wellbore#1,Design#1V0	BOOMERANG34N6C-M,SROPWell,ActualBHSurveysV0
VOLT123NB-L,Wellbore#1,Design#1V0	VOLT123NB-L,Wellbore#1,Design#1V0	PSCJ5-11,NobleEnergySWWell,ActualVESurveys(GridtoTrue)V0