

# **SRC ENERGY**

**WELD COUNTY (NAD83, TRUE NORTH)  
5N-66W-29 SANFORD 21-29 PAD  
SANFORD 26N-27C-XR**

**Wellbore #1  
Design #1**

## **Anticollision Report**

**25 October, 2018**

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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 1,200.00 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>	10/25/2018		
<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	
7,664.00	20,231.13	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-20 Offsets Incomplete						
HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys	6,830.83	6,835.72	912.22	652.12	3.507	CC
HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys	6,900.00	6,900.50	913.11	650.54	3.478	ES
HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys	7,000.00	6,985.78	918.48	652.57	3.454	SF
5N-66W-21 Offsets Incomplete						
UPRC 21-13H6 - Noble P&A Well - Actual VES Surveys	10,559.53	7,176.95	793.50	719.03	10.654	CC, ES
UPRC 21-13H6 - Noble P&A Well - Actual VES Surveys	10,600.00	7,176.78	794.53	719.46	10.584	SF
WIEDEMAN 21-15H6 - Noble PR Well - Poor Quality MW	13,459.83	7,139.00	923.73	763.24	5.756	CC, ES
WIEDEMAN 21-15H6 - Noble PR Well - Poor Quality MW	13,500.00	7,139.40	924.60	763.75	5.748	SF
5N-66W-27 Offsets Incomplete (Need 1 Directional)						
GRACIE J 27-19 - Patina D/A Well - No Surveys						Out of range
GRACIE J 27-19X - Noble SI Well - Actual Multishot Surv	16,890.83	7,511.11	813.25	620.42	4.217	CC, ES, SF
SHAFTO J27-10 - Noble PR Well - No Surveys						Out of range
SHAFTO J27-9 - Noble P&A Well - Actual VES Surveys						Out of range
UPRC 27-11C - Noble SI Well - No Surveys						Out of range
UPRC 27-12C - Noble SI Well - No Surveys						Out of range
UPRC 27-3C Directional Well No Surveys - Noble SI We						Out of range
UPRC 27-4C - Noble SI Well - Actual BHI Tiff Surveys	16,122.19	7,776.11	629.87	405.55	2.808	CC, ES, SF
UPRC 27-5C - Noble T/A Well - Actual VES Surveys						Out of range
UPRC 27-6C - Noble P&A Well - Actual VES Surveys						Out of range
UPV 27-1H6 - Noble P&A Well - Actual Sperry Surveys	20,084.89	7,712.63	251.34	-13.75	0.948	Level 1, CC, ES, SF
UPV 27-2H6 - Noble PR Well - Actual VES Surveys	18,556.87	7,764.58	312.27	111.78	1.558	CC, ES, SF
UPV 27-7H6 - Noble PR Well - Actual VES Surveys						Out of range
UPV 27-8H6 - Noble P&A Well - Actual VES Surveys						Out of range

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<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-28 Offsets						
COLTRANE-IGO 1 - Noble SI Well - No Surveys						Out of range
COLTRANE-PM J 28-4 - Noble PR Well - No Surveys	10,739.07	7,209.56	311.18	-2.42	0.992	Level 1, CC, ES, SF
COLTRANE-PM J28-5 - Noble SI Well - No Surveys						Out of range
IGO 28-3H6 - Noble SI Well - No Surveys	11,866.99	7,174.59	492.09	162.40	1.493	Level 3, CC, ES, SF
IGO FARMS J 28-19D - Noble SI Well - Actual Ensign Su	11,407.30	7,227.97	1,052.10	962.37	11.726	CC, ES
IGO FARMS J 28-19D - Noble SI Well - Actual Ensign Su	11,500.00	7,227.32	1,056.17	965.36	11.631	SF
IGO FARMS J 28-20D - Noble PR Well - Actual Ensign S						Out of range
IGO FARMS J 28-31D - Noble PR Well - Actual Ensign S	10,153.64	7,330.94	773.81	694.98	9.817	CC, ES
IGO FARMS J 28-31D - Noble PR Well - Actual Ensign S	10,200.00	7,331.10	775.19	695.61	9.740	SF
IGO FARMS J 28-32D - Noble PR Well - Actual Ensign S						Out of range
MOSSBERG A-28 - Noble P&A Well - No Surveys						Out of range
MOSSBERG PM J 28-9 - Noble SI Well - Actual VES Su						Out of range
WIEDEMAN 1 - Noble SI Well - No Surveys						Out of range
WIEDEMAN 28-1H6 - Noble SI Well - No Surveys	14,703.90	7,141.64	277.27	-96.87	0.741	Level 1, CC, ES, SF
WIEDEMAN J 28-17 - Noble SI Well - No Surveys	14,060.28	7,170.76	1,030.59	665.89	2.826	CC, ES
WIEDEMAN J 28-17 - Noble SI Well - No Surveys	14,100.00	7,170.69	1,031.35	666.13	2.824	SF
WIEDEMAN J 28-18D - Noble SI Well - Actual Ensign Su	12,791.11	7,386.95	927.97	798.96	7.193	CC
WIEDEMAN J 28-18D - Noble SI Well - Actual Ensign Su	12,800.00	7,386.72	928.01	798.85	7.185	ES
WIEDEMAN J 28-18D - Noble SI Well - Actual Ensign Su	12,900.00	7,384.23	934.33	804.17	7.178	SF
WIEDEMAN J 28-21D - Noble SI Well - Actual Ensign Su						Out of range
WIEDEMAN J 28-22D - Noble SI Well - Actual Ensign Su						Out of range
WIEDEMAN-PM J28-2 - Noble SI Well - No Surveys	13,400.59	7,175.91	419.99	65.80	1.186	Level 2, CC, ES, SF
WIEDEMAN-PM J28-7 - Noble SI Well - No Surveys						Out of range
WIEST 28-11H6 - Noble SI Well - No Surveys						Out of range
WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Su						Out of range
ZION PM J 28-12 - Noble PR Well - Actual VES Surveys						Out of range
5N-66W-29 Offsets Incomplete (Need 2 Directionals)						
BENSLER J 29-17D - Noble PR Well - Actual Ensign Su	8,947.33	7,324.12	1,149.98	1,087.27	18.340	CC, ES
BENSLER J 29-17D - Noble PR Well - Actual Ensign Su	9,200.00	7,322.73	1,177.41	1,111.34	17.821	SF
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	7,567.83	7,325.99	974.37	921.18	18.321	CC, ES
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	7,700.00	7,328.52	982.88	928.90	18.208	SF
BENSLER J 29-21D (Need Directional Surveys) - Noble	8,216.07	7,230.96	498.36	214.89	1.758	CC, ES, SF
BENSLER J 29-27D (Need Directional Surveys) - Noble	8,264.54	7,230.87	495.34	211.56	1.746	CC, ES, SF
CARLSON 10-29 - Noble SI Well - Actual VES Surveys						Out of range
HSR-MILLARD 9-29 - Noble SI Well - No Surveys						Out of range
KAMMERZELL 1 - XOG P&A Well - No Surveys						Out of range
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	200.00	202.00	200.01	189.61	19.227	CC
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	300.00	302.02	201.69	188.03	14.769	ES
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	6,900.00	6,881.50	501.98	240.08	1.917	SF
KAMMERZELL 29-4H6 - XOG PR Well - No Surveys						Out of range
KAMMERZELL 29-5 - XOG PR Well - No Surveys						Out of range
KAMMERZELL 29-6H6 - Noble SI Well - No Surveys						Out of range
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	0.00	12.91	1,067.01			
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	3,900.00	3,879.31	1,198.74	1,175.82	52.296	SF
UPRC 29-7C - Noble T/A Well - No Surveys						Out of range
UPRC 29-8C - Noble SI Well - No Surveys						Out of range
UPV 29-1H6 - Noble PR Well - No Surveys	9,265.11	7,213.13	254.04	-39.24	0.866	Level 1, CC, ES, SF
UPV 29-2H6 - Noble SI Well - No Surveys	8,307.23	7,217.80	529.14	245.30	1.864	CC, ES, SF

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<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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
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### 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-29 SANFORD 21-29 PAD						
SANFORD 1C-27-XR - Wellbore #1 - Design #1	200.00	200.00	40.07	32.50	5.290	CC
SANFORD 1C-27-XR - Wellbore #1 - Design #1	20,231.13	20,336.84	444.67	29.04	1.070	Level 2, ES, SF
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	200.00	200.00	59.74	52.16	7.887	CC, ES
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	20,231.13	20,029.52	513.66	101.86	1.247	Level 2, SF
SANFORD 1N-27B-XR - Wellbore #1 - Design #1	200.00	200.00	20.03	12.46	2.645	CC
SANFORD 1N-27B-XR - Wellbore #1 - Design #1	20,231.13	20,159.69	232.23	-186.54	0.555	Level 1, ES, SF
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	200.00	200.00	79.78	72.21	10.534	CC, ES
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	20,231.13	20,353.06	678.37	249.08	1.580	SF
SANFORD 26C-27-XR - Wellbore #1 - Design #1	300.00	298.63	40.06	32.40	5.230	CC
SANFORD 26C-27-XR - Wellbore #1 - Design #1	20,231.13	20,358.13	262.93	-131.13	0.667	Level 1, ES, SF
SANFORD 26N-27A-XR - Wellbore #1 - Design #1	200.00	200.00	20.04	12.46	2.646	CC
SANFORD 26N-27A-XR - Wellbore #1 - Design #1	20,231.13	20,034.44	274.46	-70.67	0.795	Level 1, ES, SF
SANFORD 30C-30-M - Wellbore #1 - Design #1	7,685.35	7,385.39	1.82	-48.79	0.036	Level 1, CC, ES, SF
SANFORD 30N-30A-M - Wellbore #1 - Design #1	7,074.73	7,621.07	26.35	-13.02	0.669	Level 1, CC, ES, SF
SANFORD 30N-30B-M - Wellbore #1 - Design #1	200.00	199.00	155.17	147.60	20.489	CC, ES
SANFORD 30N-30B-M - Wellbore #1 - Design #1	7,323.03	7,581.96	205.42	164.90	5.070	SF
SANFORD 31N-30B-M - Wellbore #1 - Design #1	200.00	199.00	192.12	184.54	25.367	CC, ES, SF
SANFORD 31N-30C-M - Wellbore #1 - Design #1	200.00	199.00	180.38	172.81	23.817	CC, ES
SANFORD 31N-30C-M - Wellbore #1 - Design #1	7,700.00	7,288.97	898.46	854.47	20.426	SF
SANFORD 32N-30B-M - Wellbore #1 - Design #1	200.00	201.00	266.12	258.54	35.135	CC, ES
SANFORD 32N-30B-M - Wellbore #1 - Design #1	300.00	294.83	268.08	260.42	35.002	SF
SANFORD 32N-30C-M - Wellbore #1 - Design #1	200.00	199.00	249.90	242.32	32.996	CC, ES, SF
SANFORD 40N-27B-XR - Wellbore #1 - Design #1	200.00	200.00	200.00	192.42	26.406	CC, ES, SF
SANFORD 40N-27C-XR - Wellbore #1 - Design #1	200.00	200.00	220.04	212.46	29.052	CC, ES, SF
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	200.00	200.00	99.81	92.24	13.179	CC, ES
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	20,231.13	20,171.36	885.51	451.37	2.040	SF
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	200.00	200.00	119.86	112.28	15.825	CC, ES
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	20,231.13	20,247.40	1,125.78	691.08	2.590	SF
SANFORD 4C-30-M - Wellbore #1 - Design #1	200.00	199.00	161.61	154.03	21.339	CC, ES
SANFORD 4C-30-M - Wellbore #1 - Design #1	7,717.82	7,338.00	650.17	605.90	14.687	SF
SANFORD 4N-30A-M - Wellbore #1 - Design #1	200.00	199.00	169.95	162.38	22.440	CC, ES
SANFORD 4N-30A-M - Wellbore #1 - Design #1	7,059.14	7,651.58	696.92	657.74	17.790	SF
SANFORD 4N-30B-M - Wellbore #1 - Design #1	200.00	199.00	155.14	147.57	20.485	CC, ES
SANFORD 4N-30B-M - Wellbore #1 - Design #1	7,500.00	7,400.35	423.06	382.25	10.368	SF
SANFORD 4N-30C-M - Wellbore #1 - Design #1	200.00	199.00	151.36	143.79	19.985	CC
SANFORD 4N-30C-M - Wellbore #1 - Design #1	7,460.43	7,510.42	174.95	133.59	4.230	ES
SANFORD 4N-30C-M - Wellbore #1 - Design #1	7,500.00	7,475.61	175.86	134.24	4.226	SF
SANFORD 5C-30-M - Wellbore #1 - Design #1	200.00	199.00	219.16	211.59	28.937	CC, ES, SF
SANFORD 5N-30B-M - Wellbore #1 - Design #1	200.00	199.00	234.08	226.51	30.908	CC, ES, SF
SANFORD 5N-30C-M - Wellbore #1 - Design #1	200.00	199.00	204.90	197.32	27.054	CC, ES, SF
SANFORD 8C-27-XR - Wellbore #1 - Design #1	200.00	200.00	139.89	132.31	18.470	CC, ES, SF
SANFORD 8N-27B-XR - Wellbore #1 - Design #1	200.00	200.00	159.93	152.36	21.116	CC, ES, SF
SANFORD 8N-27C-XR - Wellbore #1 - Design #1	200.00	200.00	179.96	172.39	23.761	CC, ES, SF

### Offset Design

5N-66W-20 Offsets Incomplete - HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys

Survey Program: 100-SRC Energy_2" CONE 2.448											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
500.00	499.77	515.77	515.77	3.51	16.83	3.50	1,204.00	-127.32	1,199.93	1,178.80	21.13	56.798	

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<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-20 Offsets Incomplete - HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys													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		
600.00	599.67	615.67	615.67	3.62	20.31	3.51	1,204.00	-127.32	1,195.31	1,170.60	24.72	48.361		
700.00	699.56	715.56	715.56	3.74	23.81	3.53	1,204.00	-127.32	1,190.70	1,162.36	28.34	42.014		
800.00	799.45	815.45	815.45	3.88	27.32	3.54	1,204.00	-127.32	1,186.08	1,154.09	31.99	37.075		
900.00	899.35	915.35	915.35	4.04	30.84	3.55	1,204.00	-127.32	1,181.47	1,145.81	35.66	33.129		
1,000.00	999.24	1,015.24	1,015.24	4.21	34.36	3.57	1,204.00	-127.32	1,176.86	1,137.50	39.35	29.906		
1,100.00	1,099.13	1,115.13	1,115.13	4.39	37.88	3.58	1,204.00	-127.32	1,172.24	1,129.19	43.06	27.227		
1,200.00	1,199.03	1,215.03	1,215.03	4.58	41.41	3.60	1,204.00	-127.32	1,167.63	1,120.86	46.77	24.965		
1,300.00	1,298.92	1,314.92	1,314.92	4.78	44.94	3.61	1,204.00	-127.32	1,163.01	1,112.51	50.50	23.031		
1,400.00	1,398.81	1,414.81	1,414.81	4.98	48.47	3.62	1,204.00	-127.32	1,158.40	1,104.16	54.23	21.359		
1,500.00	1,498.70	1,514.70	1,514.70	5.20	52.00	3.64	1,204.00	-127.32	1,153.78	1,095.81	57.98	19.901		
1,600.00	1,598.60	1,614.60	1,614.60	5.42	55.53	3.65	1,204.00	-127.32	1,149.17	1,087.44	61.73	18.617		
1,700.00	1,698.49	1,714.49	1,714.49	5.64	59.07	3.67	1,204.00	-127.32	1,144.56	1,079.07	65.48	17.478		
1,800.00	1,798.38	1,814.38	1,814.38	5.88	62.60	3.68	1,204.00	-127.32	1,139.94	1,070.69	69.25	16.462		
1,900.00	1,898.28	1,914.28	1,914.28	6.11	66.14	3.70	1,204.00	-127.32	1,135.33	1,062.52	72.81	15.594		
2,000.00	1,998.17	2,014.17	2,014.17	6.35	69.67	3.71	1,204.00	-127.32	1,130.71	1,054.14	76.58	14.766		
2,100.00	2,098.06	2,114.06	2,114.06	6.59	73.21	3.73	1,204.00	-127.32	1,126.10	1,045.75	80.35	14.015		
2,200.00	2,197.96	2,213.96	2,213.96	6.83	76.74	3.74	1,204.00	-127.32	1,121.49	1,037.36	84.13	13.331		
2,300.00	2,297.85	2,313.85	2,313.85	7.08	80.28	3.76	1,204.00	-127.32	1,116.87	1,028.96	87.91	12.705		
2,400.00	2,397.74	2,413.74	2,413.74	7.33	83.82	3.77	1,204.00	-127.32	1,112.26	1,020.57	91.69	12.130		
2,500.00	2,497.63	2,513.63	2,513.63	7.58	87.35	3.79	1,204.00	-127.32	1,107.65	1,012.17	95.48	11.601		
2,600.00	2,597.53	2,613.53	2,613.53	7.84	90.89	3.81	1,204.00	-127.32	1,103.03	1,003.76	99.27	11.112		
2,700.00	2,697.42	2,713.42	2,713.42	8.09	94.43	3.82	1,204.00	-127.32	1,098.42	995.36	103.06	10.658		
2,800.00	2,797.31	2,813.31	2,813.31	8.35	97.97	3.84	1,204.00	-127.32	1,093.81	986.96	106.85	10.237		
2,900.00	2,897.21	2,913.21	2,913.21	8.61	101.50	3.85	1,204.00	-127.32	1,089.19	978.55	110.64	9.844		
3,000.00	2,997.10	3,013.10	3,013.10	8.87	105.04	3.87	1,204.00	-127.32	1,084.58	970.14	114.44	9.477		
3,100.00	3,096.99	3,112.99	3,112.99	9.13	108.58	3.89	1,204.00	-127.32	1,079.97	961.73	118.24	9.134		
3,200.00	3,196.89	3,212.89	3,212.89	9.39	112.12	3.90	1,204.00	-127.32	1,075.35	953.32	122.03	8.812		
3,300.00	3,296.78	3,312.78	3,312.78	9.65	115.65	3.92	1,204.00	-127.32	1,070.74	944.91	125.83	8.509		
3,400.00	3,396.67	3,412.67	3,412.67	9.92	119.19	3.94	1,204.00	-127.32	1,066.13	936.50	129.63	8.224		
3,500.00	3,496.57	3,512.57	3,512.57	10.18	122.73	3.96	1,204.00	-127.32	1,061.52	928.08	133.43	7.956		
3,600.00	3,596.46	3,612.46	3,612.46	10.45	126.27	3.97	1,204.00	-127.32	1,056.90	919.67	137.23	7.702		
3,700.00	3,696.35	3,712.35	3,712.35	10.71	129.81	3.99	1,204.00	-127.32	1,052.29	911.26	141.04	7.461		
3,800.00	3,796.24	3,812.24	3,812.24	10.98	133.35	4.01	1,204.00	-127.32	1,047.68	902.84	144.84	7.233		
3,900.00	3,896.14	3,912.14	3,912.14	11.25	136.88	4.03	1,204.00	-127.32	1,043.07	894.42	148.64	7.017		
4,000.00	3,996.03	4,012.03	4,012.03	11.52	140.42	4.04	1,204.00	-127.32	1,038.46	886.01	152.45	6.812		
4,100.00	4,095.92	4,111.92	4,111.92	11.79	143.96	4.06	1,204.00	-127.32	1,033.84	877.59	156.25	6.617		
4,200.00	4,195.82	4,211.82	4,211.82	12.06	147.50	4.08	1,204.00	-127.32	1,029.23	869.17	160.06	6.430		
4,300.00	4,295.71	4,311.71	4,311.71	12.33	151.04	4.10	1,204.00	-127.32	1,024.62	860.76	163.86	6.253		
4,400.00	4,395.60	4,411.60	4,411.60	12.60	154.58	4.12	1,204.00	-127.32	1,020.01	852.34	167.67	6.083		
4,500.00	4,495.50	4,511.50	4,511.50	12.87	158.12	4.14	1,204.00	-127.32	1,015.40	843.92	171.48	5.921		
4,600.00	4,595.39	4,611.39	4,611.39	13.14	161.65	4.15	1,204.00	-127.32	1,010.79	835.50	175.29	5.767		
4,700.00	4,695.28	4,711.28	4,711.28	13.41	165.19	4.17	1,204.00	-127.32	1,006.17	827.08	179.09	5.618		
4,800.00	4,795.18	4,811.18	4,811.18	13.68	168.73	4.19	1,204.00	-127.32	1,001.56	818.66	182.90	5.476		
4,900.00	4,895.07	4,911.07	4,911.07	13.95	172.27	4.21	1,204.00	-127.32	996.95	810.24	186.71	5.340		
5,000.00	4,994.96	5,010.96	5,010.96	14.23	175.81	4.23	1,204.00	-127.32	992.34	801.82	190.52	5.209		
5,100.00	5,094.85	5,110.85	5,110.85	14.50	179.35	4.25	1,204.00	-127.32	987.73	793.40	194.33	5.083		
5,200.00	5,194.75	5,210.75	5,210.75	14.77	182.89	4.27	1,204.00	-127.32	983.12	784.98	198.14	4.962		
5,300.00	5,294.64	5,310.64	5,310.64	15.05	186.43	4.29	1,204.00	-127.32	978.51	776.56	201.95	4.845		
5,400.00	5,394.53	5,410.53	5,410.53	15.32	189.96	4.31	1,204.00	-127.32	973.90	768.14	205.76	4.733		
5,500.00	5,494.43	5,510.43	5,510.43	15.59	193.50	4.33	1,204.00	-127.32	969.29	759.72	209.57	4.625		
5,600.00	5,594.32	5,610.32	5,610.32	15.87	197.04	4.35	1,204.00	-127.32	964.68	751.30	213.38	4.521		
5,700.00	5,694.21	5,710.21	5,710.21	16.14	200.58	4.37	1,204.00	-127.32	960.07	742.88	217.19	4.420		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-20 Offsets Incomplete - HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-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	
5,800.00	5,794.11	5,810.11	5,810.11	16.42	204.12	4.40	1,204.00	-127.32	955.46	734.45	221.00	4.323	
5,900.00	5,894.00	5,910.00	5,910.00	16.69	207.66	4.42	1,204.00	-127.32	950.85	726.03	224.81	4.229	
6,000.00	5,993.89	6,009.89	6,009.89	16.97	211.20	4.44	1,204.00	-127.32	946.24	717.61	228.63	4.139	
6,100.00	6,093.79	6,109.79	6,109.79	17.24	214.74	4.46	1,204.00	-127.32	941.63	709.19	232.44	4.051	
6,200.00	6,193.68	6,209.68	6,209.68	17.52	218.28	4.48	1,204.00	-127.32	937.02	700.77	236.25	3.966	
6,300.00	6,293.57	6,309.57	6,309.57	17.79	221.82	4.50	1,204.00	-127.32	932.41	692.35	240.06	3.884	
6,400.00	6,393.46	6,409.46	6,409.46	18.07	225.35	4.53	1,204.00	-127.32	927.80	683.93	243.87	3.804	
6,500.00	6,493.36	6,509.36	6,509.36	18.35	228.89	4.55	1,204.00	-127.32	923.19	675.50	247.69	3.727	
6,600.00	6,593.25	6,609.25	6,609.25	18.62	232.43	4.57	1,204.00	-127.32	918.58	667.08	251.50	3.652	
6,700.00	6,692.89	6,708.89	6,708.89	18.87	235.96	-76.83	1,204.00	-127.32	914.56	659.29	255.28	3.583	
6,800.00	6,790.44	6,806.44	6,806.44	19.10	239.42	-88.18	1,204.00	-127.32	912.37	653.39	258.98	3.523	
6,830.83	6,819.72	6,835.72	6,835.72	19.17	240.46	-90.00	1,204.00	-127.32	912.22	652.12	260.09	3.507 CC	
6,900.00	6,883.50	6,900.50	6,899.50	19.32	242.75	-93.25	1,204.00	-127.32	913.11	650.54	262.57	3.478 ES	
7,000.00	6,969.78	6,985.78	6,985.78	19.55	245.77	-96.91	1,204.00	-127.32	918.48	652.57	265.91	3.454 SF	
7,100.00	7,047.15	7,063.15	7,063.15	19.97	248.51	-99.68	1,204.00	-127.32	930.42	661.36	269.06	3.458	
7,200.00	7,113.71	7,129.71	7,129.71	20.55	250.87	-101.39	1,204.00	-127.32	950.79	678.80	271.99	3.496	
7,300.00	7,167.82	7,183.82	7,183.82	21.38	252.79	-101.71	1,204.00	-127.32	980.94	706.29	274.65	3.572	
7,400.00	7,208.14	7,224.14	7,224.14	22.49	254.22	-100.31	1,204.00	-127.32	1,021.36	744.38	276.98	3.688	
7,500.00	7,233.69	7,249.69	7,249.69	23.90	255.12	-96.83	1,204.00	-127.32	1,071.56	792.70	278.85	3.843	
7,600.00	7,243.83	7,259.83	7,259.83	25.55	255.48	-91.05	1,204.00	-127.32	1,130.11	849.93	280.18	4.034	
7,700.00	7,243.86	7,259.86	7,259.86	26.79	255.48	-89.91	1,204.00	-127.32	1,194.83	912.34	282.49	4.230	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-21 Offsets Incomplete - UPRC 21-13H6 - Noble P&A Well - Actual VES Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7000-SRC Energy_2" CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,700.00	7,240.37	7,180.62	7,180.25	44.48	17.31	-90.61	1,105.27	3,534.46	1,169.80	1,116.90	52.90	22.114	
9,800.00	7,240.19	7,180.19	7,179.82	45.83	17.31	-90.57	1,105.27	3,534.46	1,098.42	1,043.53	54.90	20.009	
9,900.00	7,240.02	7,179.76	7,179.40	47.21	17.30	-90.54	1,105.27	3,534.46	1,031.81	974.62	57.18	18.044	
10,000.00	7,239.84	7,179.34	7,178.97	48.60	17.30	-90.51	1,105.28	3,534.46	970.94	911.19	59.75	16.250	
10,100.00	7,239.67	7,178.91	7,178.55	50.00	17.29	-90.48	1,105.28	3,534.46	916.96	854.41	62.55	14.660	
10,200.00	7,239.50	7,178.49	7,178.12	51.43	17.28	-90.45	1,105.28	3,534.46	871.15	805.67	65.48	13.304	
10,300.00	7,239.32	7,178.06	7,177.69	52.87	17.28	-90.42	1,105.28	3,534.46	834.87	766.46	68.40	12.205	
10,400.00	7,239.15	7,177.63	7,177.27	54.32	17.27	-90.39	1,105.29	3,534.46	809.38	738.27	71.11	11.381	
10,500.00	7,238.97	7,177.21	7,176.84	55.78	17.26	-90.36	1,105.29	3,534.47	795.73	722.34	73.40	10.841	
10,559.53	7,238.87	7,176.95	7,176.59	56.66	17.26	-90.34	1,105.29	3,534.47	793.50	719.03	74.48	10.654 CC, ES	
10,600.00	7,238.80	7,176.78	7,176.42	57.26	17.26	-90.33	1,105.29	3,534.47	794.53	719.46	75.07	10.584 SF	
10,700.00	7,238.62	7,176.36	7,175.99	58.75	17.25	-90.30	1,105.29	3,534.47	805.84	729.80	76.04	10.598	
10,800.00	7,238.45	7,175.93	7,175.56	60.24	17.24	-90.27	1,105.30	3,534.47	829.14	752.83	76.31	10.865	
10,900.00	7,238.27	7,175.51	7,175.14	61.75	17.24	-90.24	1,105.30	3,534.47	863.46	787.48	75.98	11.365	
11,000.00	7,238.10	7,175.08	7,174.71	63.26	17.23	-90.21	1,105.30	3,534.47	907.55	832.36	75.19	12.070	
11,100.00	7,237.93	7,174.65	7,174.29	64.78	17.23	-90.17	1,105.30	3,534.47	960.08	885.97	74.11	12.955	
11,200.00	7,237.75	7,174.23	7,173.86	66.31	17.22	-90.14	1,105.31	3,534.47	1,019.72	946.86	72.86	13.995	
11,300.00	7,237.58	7,173.80	7,173.44	67.85	17.21	-90.11	1,105.31	3,534.47	1,085.32	1,013.78	71.55	15.169	
11,400.00	7,237.40	7,173.38	7,173.01	69.39	17.21	-90.08	1,105.31	3,534.48	1,155.86	1,085.62	70.24	16.455	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-21 Offsets Incomplete - WIEDEMAN 21-15H6 - Noble PR Well - Poor Quality MWD Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_UNKNOWN												<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	7,235.14	7,131.31	7,093.80	89.86	64.14	-87.64	1,229.30	6,434.85	1,196.06	1,061.40	134.66	8.882	
12,800.00	7,234.96	7,132.32	7,094.82	91.45	64.17	-87.70	1,229.33	6,434.86	1,135.17	996.38	138.78	8.179	
12,900.00	7,234.79	7,133.33	7,095.83	93.06	64.20	-87.77	1,229.36	6,434.87	1,080.12	937.12	142.99	7.554	
13,000.00	7,234.61	7,134.34	7,096.84	94.66	64.23	-87.83	1,229.40	6,434.88	1,031.84	884.68	147.16	7.011	
13,100.00	7,234.44	7,135.35	7,097.85	96.26	64.26	-87.89	1,229.43	6,434.89	991.33	840.21	151.12	6.560	
13,200.00	7,234.26	7,136.37	7,098.86	97.87	64.29	-87.96	1,229.46	6,434.91	959.57	804.91	154.66	6.204	
13,300.00	7,234.09	7,137.38	7,099.87	99.48	64.31	-88.02	1,229.50	6,434.92	937.45	779.88	157.57	5.949	
13,400.00	7,233.91	7,138.39	7,100.89	101.10	64.34	-88.08	1,229.53	6,434.93	925.66	765.99	159.67	5.797	
13,459.83	7,233.81	7,139.00	7,101.49	102.06	64.36	-88.12	1,229.55	6,434.94	923.73	763.24	160.49	5.756 CC, ES	
13,500.00	7,233.74	7,139.40	7,101.90	102.71	64.37	-88.14	1,229.56	6,434.94	924.60	763.75	160.85	5.748 SF	
13,600.00	7,233.57	7,140.42	7,102.91	104.33	64.40	-88.21	1,229.60	6,434.95	934.30	773.22	161.08	5.800	
13,700.00	7,233.39	7,141.43	7,103.92	105.94	64.43	-88.27	1,229.63	6,434.97	954.44	793.99	160.44	5.949	
13,800.00	7,233.22	7,142.44	7,104.93	107.56	64.46	-88.33	1,229.66	6,434.98	984.37	825.30	159.07	6.188	
13,900.00	7,233.04	7,143.45	7,105.94	109.18	64.49	-88.40	1,229.70	6,434.99	1,023.23	866.09	157.14	6.512	
14,000.00	7,232.87	7,144.46	7,106.96	110.81	64.51	-88.46	1,229.73	6,435.00	1,070.06	915.22	154.84	6.911	
14,100.00	7,232.69	7,145.48	7,107.97	112.43	64.54	-88.52	1,229.76	6,435.02	1,123.85	971.54	152.31	7.378	
14,200.00	7,232.52	7,146.49	7,108.98	114.06	64.57	-88.58	1,229.80	6,435.03	1,183.67	1,033.96	149.71	7.907	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-27 Offsets Incomplete (Need 1 Directional) - GRACIE J 27-19X - Noble SI Well - Actual Multish												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 478-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	
16,100.00	7,229.21	7,464.31	7,125.74	145.14	48.29	88.66	-514.54	9,859.83	1,133.37	978.28	155.08	7.308	
16,200.00	7,229.03	7,470.16	7,131.58	146.78	48.31	89.07	-514.33	9,860.20	1,066.25	904.56	161.69	6.594	
16,300.00	7,228.86	7,475.95	7,137.35	148.43	48.32	89.47	-514.12	9,860.57	1,004.58	836.11	168.47	5.963	
16,400.00	7,228.68	7,481.67	7,143.06	150.07	48.33	89.88	-513.93	9,860.93	949.42	774.27	175.15	5.420	
16,500.00	7,228.51	7,487.33	7,148.71	151.72	48.34	90.27	-513.73	9,861.28	901.97	720.57	181.40	4.972	
16,600.00	7,228.33	7,492.93	7,154.29	153.37	48.35	90.67	-513.55	9,861.63	863.50	676.77	186.74	4.624	
16,700.00	7,228.16	7,498.77	7,160.11	155.01	48.37	91.08	-513.36	9,861.99	835.26	644.59	190.67	4.381	
16,800.00	7,227.98	7,505.29	7,166.62	156.66	48.38	91.54	-513.14	9,862.39	818.29	625.54	192.75	4.245	
16,890.83	7,227.83	7,511.11	7,172.43	158.16	48.39	91.95	-512.95	9,862.74	813.25	620.42	192.83	4.217	CC, ES, SF
16,900.00	7,227.81	7,511.70	7,173.01	158.31	48.39	91.99	-512.93	9,862.78	813.30	620.56	192.74	4.220	
17,000.00	7,227.64	7,517.98	7,179.28	159.96	48.41	92.43	-512.71	9,863.16	820.52	629.83	190.69	4.303	
17,100.00	7,227.46	7,524.14	7,185.42	161.61	48.42	92.86	-512.50	9,863.52	839.62	652.68	186.94	4.491	
17,200.00	7,227.29	7,530.19	7,191.46	163.26	48.43	93.29	-512.29	9,863.88	869.84	687.83	182.01	4.779	
17,300.00	7,227.11	7,536.12	7,197.38	164.91	48.44	93.70	-512.07	9,864.23	910.05	733.63	176.42	5.158	
17,400.00	7,226.94	7,541.95	7,203.19	166.56	48.46	94.11	-511.86	9,864.57	959.02	788.41	170.60	5.621	
17,500.00	7,226.76	7,547.67	7,208.90	168.21	48.47	94.52	-511.65	9,864.90	1,015.46	850.62	164.84	6.160	
17,600.00	7,226.59	7,553.29	7,214.51	169.86	48.48	94.91	-511.44	9,865.22	1,078.21	918.92	159.30	6.769	
17,700.00	7,226.41	7,558.81	7,220.01	171.51	48.49	95.30	-511.23	9,865.53	1,146.24	992.16	154.09	7.439	

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-4C - Noble SI Well - Actual BHI Tiff Sur												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 100-SRC Energy_2" CONE_2.448, 988-SRC Energy_2" CONE_2.448, 3537-SRC Energy_ISCWSA REV 2 MWD												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,100.00	7,230.95	7,538.81	6,894.24	128.74	86.84	73.06	-342.09	9,036.53	1,176.05	1,014.72	161.33	7.290	
15,200.00	7,230.77	7,562.35	6,917.00	130.38	86.87	74.89	-340.41	9,042.33	1,095.26	928.83	166.43	6.581	
15,300.00	7,230.60	7,585.79	6,939.66	132.01	86.90	76.76	-338.80	9,048.09	1,017.31	845.15	172.17	5.909	
15,400.00	7,230.43	7,609.13	6,962.23	133.65	86.93	78.67	-337.25	9,053.82	942.94	764.35	178.59	5.280	
15,500.00	7,230.25	7,632.36	6,984.70	135.29	86.96	80.60	-335.76	9,059.51	873.04	687.37	185.67	4.702	
15,600.00	7,230.08	7,655.49	7,007.09	136.93	87.00	82.55	-334.33	9,065.16	808.79	615.47	193.32	4.184	
15,700.00	7,229.90	7,678.52	7,029.38	138.57	87.03	84.52	-332.95	9,070.77	751.64	550.35	201.28	3.734	
15,800.00	7,229.73	7,701.45	7,051.58	140.21	87.06	86.51	-331.64	9,076.35	703.33	494.23	209.10	3.364	
15,900.00	7,229.55	7,724.27	7,073.69	141.85	87.10	88.50	-330.38	9,081.89	665.79	449.73	216.06	3.082	
16,000.00	7,229.38	7,747.00	7,095.70	143.50	87.13	90.50	-329.17	9,087.39	640.93	419.61	221.32	2.896	
16,100.00	7,229.21	7,770.64	7,118.61	145.14	87.16	92.59	-327.96	9,093.12	630.24	406.14	224.09	2.812	
16,122.19	7,229.17	7,776.11	7,123.90	145.50	87.17	93.07	-327.68	9,094.46	629.87	405.55	224.32	2.808	CC, ES, SF
16,200.00	7,229.03	7,795.66	7,142.82	146.78	87.19	94.79	-326.67	9,099.29	634.37	410.41	223.96	2.832	
16,300.00	7,228.86	7,821.64	7,167.94	148.43	87.23	97.08	-325.31	9,105.82	652.98	431.88	221.09	2.953	
16,400.00	7,228.68	7,848.67	7,194.03	150.07	87.27	99.44	-323.88	9,112.75	684.84	468.71	216.14	3.169	
16,500.00	7,228.51	7,877.77	7,222.08	151.72	87.31	101.95	-322.27	9,120.30	728.14	518.25	209.89	3.469	
16,600.00	7,228.33	7,907.41	7,250.62	153.37	87.35	104.48	-320.52	9,128.07	780.93	577.80	203.13	3.844	
16,700.00	7,228.16	7,937.58	7,279.66	155.01	87.40	107.01	-318.60	9,136.05	841.40	645.00	196.40	4.284	
16,800.00	7,227.98	7,964.45	7,305.50	156.66	90.98	109.22	-316.83	9,143.19	908.04	714.03	194.01	4.680	
16,900.00	7,227.81	7,990.86	7,330.90	158.31	95.14	111.35	-315.09	9,150.22	979.66	787.34	192.31	5.094	
17,000.00	7,227.64	8,017.27	7,356.30	159.96	99.49	113.43	-313.35	9,157.24	1,055.23	864.04	191.19	5.519	
17,100.00	7,227.46	8,043.69	7,381.71	161.61	104.09	115.45	-311.61	9,164.26	1,133.98	943.25	190.73	5.946	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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_VESSI GyroFlex V4, 699-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	
19,000.00	7,224.15	7,632.96	7,138.41	193.01	64.69	97.00	32.17	13,052.00	1,110.77	986.12	124.65	8.911	
19,100.00	7,223.97	7,640.31	7,145.07	194.67	67.92	98.53	35.22	13,052.55	1,013.88	882.67	131.21	7.727	
19,200.00	7,223.80	7,647.65	7,151.73	196.32	71.15	100.09	38.26	13,053.11	917.60	779.08	138.52	6.624	
19,300.00	7,223.62	7,654.99	7,158.39	197.98	74.38	101.66	41.30	13,053.67	822.14	675.33	146.81	5.600	
19,400.00	7,223.45	7,662.34	7,165.05	199.64	77.62	103.26	44.34	13,054.22	727.82	571.39	156.43	4.653	
19,500.00	7,223.28	7,669.68	7,171.71	201.30	80.85	104.87	47.38	13,054.78	635.16	467.32	167.84	3.784	
19,600.00	7,223.10	7,677.02	7,178.37	202.95	84.09	106.50	50.42	13,055.34	545.00	363.31	181.69	3.000	
19,700.00	7,222.93	7,684.37	7,185.03	204.61	87.33	108.15	53.46	13,055.89	458.82	260.03	198.79	2.308	
19,800.00	7,222.75	7,691.71	7,191.69	206.27	90.57	109.80	56.50	13,056.45	379.34	159.66	219.68	1.727	
19,900.00	7,222.58	7,699.05	7,198.35	207.93	93.81	111.46	59.55	13,057.01	311.73	68.64	243.08	1.282	Level 3
20,000.00	7,222.40	7,706.39	7,205.01	209.59	97.05	113.13	62.59	13,057.56	265.22	3.36	261.86	1.013	Level 2
20,084.89	7,222.26	7,712.63	7,210.67	210.99	99.80	114.55	65.17	13,058.04	251.34	-13.75	265.10	0.948	Level 1, CC, ES, SF
20,100.00	7,222.23	7,713.74	7,211.67	211.24	100.29	114.80	65.63	13,058.12	251.79	-12.42	264.22	0.953	Level 1
20,200.00	7,222.05	7,721.08	7,218.33	212.90	103.53	116.47	68.67	13,058.68	276.32	25.15	251.17	1.100	Level 2
20,231.13	7,222.00	7,723.37	7,220.41	213.42	104.54	116.99	69.62	13,058.85	290.59	44.88	245.71	1.183	Level 2

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## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-27 Offsets Incomplete (Need 1 Directional) - UPV 27-2H6 - Noble PR Well - Actual VES Survey												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7800-SRC Energy_UNKNOWN												<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	
17,400.00	7,226.94	7,987.00	7,405.83	166.56	29.77	141.50	59.86	11,483.93	1,173.86	1,093.08	80.78	14.532	
17,500.00	7,226.76	7,985.11	7,404.06	168.21	29.72	141.27	59.33	11,484.32	1,079.74	996.21	83.54	12.925	
17,600.00	7,226.59	7,964.24	7,384.50	169.86	29.11	138.66	53.48	11,488.62	986.53	900.06	86.47	11.409	
17,700.00	7,226.41	7,943.38	7,364.94	171.51	28.50	135.89	47.63	11,492.93	894.30	804.02	90.27	9.906	
17,800.00	7,226.24	7,922.51	7,345.38	173.16	27.89	132.96	41.77	11,497.24	803.38	708.14	95.24	8.436	
17,900.00	7,226.07	7,901.64	7,325.82	174.81	27.28	129.87	35.92	11,501.55	714.28	612.54	101.74	7.021	
18,000.00	7,225.89	7,880.78	7,306.26	176.47	26.93	126.64	30.07	11,505.86	627.78	517.28	110.50	5.681	
18,100.00	7,225.72	7,859.91	7,286.70	178.12	26.59	123.26	24.22	11,510.17	545.12	423.10	122.02	4.468	
18,200.00	7,225.54	7,839.04	7,267.14	179.77	26.25	119.77	18.37	11,514.48	468.32	331.31	137.01	3.418	
18,300.00	7,225.37	7,818.18	7,247.58	181.43	25.92	116.17	12.52	11,518.79	400.78	244.98	155.80	2.572	
18,400.00	7,225.19	7,797.31	7,228.02	183.08	25.61	112.49	6.67	11,523.10	347.92	170.98	176.94	1.966	
18,500.00	7,225.02	7,776.44	7,208.45	184.74	25.52	108.77	0.81	11,527.41	317.19	122.15	195.03	1.626	
18,556.87	7,224.92	7,764.58	7,197.33	185.68	25.46	106.64	-2.51	11,529.86	312.27	111.78	200.49	1.558	CC, ES, SF
18,600.00	7,224.85	7,755.58	7,188.89	186.39	25.42	105.02	-5.04	11,531.71	315.11	113.77	201.34	1.565	
18,700.00	7,224.67	7,734.71	7,169.33	188.05	25.33	101.29	-10.89	11,536.02	342.21	149.01	193.20	1.771	
18,800.00	7,224.50	7,713.84	7,149.77	189.70	25.23	97.61	-16.74	11,540.33	392.50	215.29	177.21	2.215	
18,900.00	7,224.32	7,692.56	7,129.82	191.36	25.14	93.93	-22.70	11,544.73	458.39	297.95	160.44	2.857	
19,000.00	7,224.15	7,670.32	7,108.96	193.01	25.05	90.19	-28.89	11,549.34	534.12	388.13	145.99	3.659	
19,100.00	7,223.97	7,647.88	7,087.90	194.67	24.96	86.55	-35.06	11,554.01	616.03	481.74	134.30	4.587	
19,200.00	7,223.80	7,625.22	7,066.62	196.32	24.86	83.04	-41.23	11,558.76	701.97	576.95	125.03	5.615	
19,300.00	7,223.62	7,602.38	7,045.15	197.98	24.77	79.67	-47.39	11,563.56	790.61	672.93	117.68	6.719	
19,400.00	7,223.45	7,579.17	7,023.32	199.64	24.68	76.43	-53.54	11,568.45	881.13	769.31	111.82	7.880	
19,500.00	7,223.28	7,555.94	7,001.43	201.30	24.58	73.37	-59.58	11,573.36	973.00	865.92	107.08	9.087	
19,600.00	7,223.10	7,532.70	6,979.49	202.95	24.49	70.48	-65.48	11,578.26	1,065.86	962.66	103.20	10.328	
19,700.00	7,222.93	7,509.44	6,957.50	204.61	24.40	67.77	-71.26	11,583.17	1,159.49	1,059.49	100.00	11.595	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-28 Offsets - COLTRANE-PM J 28-4 - Noble PR Well - No Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,600.00	7,240.54	7,211.54	7,211.54	43.15	253.77	90.37	0.28	3,711.91	1,180.81	898.20	282.62	4.178	
9,700.00	7,240.37	7,211.37	7,211.37	44.48	253.77	90.33	0.28	3,711.91	1,084.67	801.50	283.17	3.830	
9,800.00	7,240.19	7,211.19	7,211.19	45.83	253.76	90.30	0.28	3,711.91	989.29	705.42	283.87	3.485	
9,900.00	7,240.02	7,211.02	7,211.02	47.21	253.75	90.27	0.28	3,711.91	894.92	610.15	284.77	3.143	
10,000.00	7,239.84	7,210.84	7,210.84	48.60	253.75	90.24	0.28	3,711.91	801.91	515.96	285.95	2.804	
10,100.00	7,239.67	7,210.67	7,210.67	50.00	253.74	90.21	0.28	3,711.91	710.81	423.26	287.54	2.472	
10,200.00	7,239.50	7,210.50	7,210.50	51.43	253.73	90.17	0.28	3,711.91	622.44	332.72	289.72	2.148	
10,300.00	7,239.32	7,210.32	7,210.32	52.87	253.73	90.14	0.28	3,711.91	538.16	245.44	292.72	1.838	
10,400.00	7,239.15	7,210.15	7,210.15	54.32	253.72	90.11	0.28	3,711.91	460.22	163.40	296.83	1.550	
10,500.00	7,238.97	7,209.97	7,209.97	55.78	253.72	90.08	0.28	3,711.91	392.41	90.25	302.17	1.299 Level 3	
10,600.00	7,238.80	7,209.80	7,209.80	57.26	253.71	90.04	0.28	3,711.91	340.84	32.66	308.18	1.106 Level 2	
10,700.00	7,238.62	7,209.62	7,209.62	58.75	253.70	90.01	0.28	3,711.91	313.62	0.82	312.80	1.003 Level 2	
10,739.07	7,238.56	7,209.56	7,209.56	59.33	253.70	90.00	0.28	3,711.91	311.18	-2.42	313.60	0.992 Level 1, CC, ES, SF	
10,800.00	7,238.45	7,209.45	7,209.45	60.24	253.70	89.98	0.28	3,711.91	317.09	3.69	313.40	1.012 Level 2	
10,900.00	7,238.27	7,209.27	7,209.27	61.75	253.69	89.95	0.28	3,711.91	350.33	40.29	310.04	1.130 Level 2	
11,000.00	7,238.10	7,209.10	7,209.10	63.26	253.69	89.92	0.28	3,711.91	406.10	100.91	305.19	1.331 Level 3	
11,100.00	7,237.93	7,208.93	7,208.93	64.78	253.68	89.88	0.28	3,711.91	476.55	175.84	300.71	1.585	
11,200.00	7,237.75	7,208.75	7,208.75	66.31	253.67	89.85	0.28	3,711.91	556.13	258.99	297.14	1.872	
11,300.00	7,237.58	7,208.58	7,208.58	67.85	253.67	89.82	0.28	3,711.91	641.46	347.02	294.44	2.179	
11,400.00	7,237.40	7,208.40	7,208.40	69.39	253.66	89.79	0.28	3,711.91	730.52	438.10	292.42	2.498	
11,500.00	7,237.23	7,208.23	7,208.23	70.94	253.65	89.76	0.28	3,711.91	822.10	531.19	290.91	2.826	
11,600.00	7,237.05	7,208.05	7,208.05	72.49	253.65	89.72	0.28	3,711.91	915.44	625.68	289.76	3.159	
11,700.00	7,236.88	7,207.88	7,207.88	74.05	253.64	89.69	0.28	3,711.91	1,010.05	721.17	288.88	3.496	
11,800.00	7,236.70	7,207.70	7,207.70	75.61	253.64	89.66	0.28	3,711.91	1,105.62	817.42	288.20	3.836	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-28 Offsets - IGO 28-3H6 - Noble SI Well - No Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,800.00	7,238.45	7,176.45	7,176.45	60.24	252.53	90.22	-182.76	4,839.48	1,174.99	885.72	289.27	4.062	
10,900.00	7,238.27	7,176.27	7,176.27	61.75	252.52	90.20	-182.76	4,839.48	1,085.00	793.93	291.07	3.728	
11,000.00	7,238.10	7,176.10	7,176.10	63.26	252.52	90.18	-182.76	4,839.48	996.90	703.65	293.25	3.399	
11,100.00	7,237.93	7,175.93	7,175.93	64.78	252.51	90.16	-182.76	4,839.48	911.28	615.37	295.91	3.080	
11,200.00	7,237.75	7,175.75	7,175.75	66.31	252.50	90.14	-182.76	4,839.48	828.87	529.74	299.13	2.771	
11,300.00	7,237.58	7,175.58	7,175.58	67.85	252.50	90.12	-182.76	4,839.48	750.75	447.72	303.04	2.477	
11,400.00	7,237.40	7,175.40	7,175.40	69.39	252.49	90.09	-182.76	4,839.48	678.40	370.74	307.67	2.205	
11,500.00	7,237.23	7,175.23	7,175.23	70.94	252.49	90.07	-182.76	4,839.48	613.87	300.89	312.98	1.961	
11,600.00	7,237.05	7,175.05	7,175.05	72.49	252.48	90.05	-182.76	4,839.48	559.86	241.18	318.68	1.757	
11,700.00	7,236.88	7,174.88	7,174.88	74.05	252.47	90.03	-182.76	4,839.48	519.65	195.56	324.10	1.603	
11,800.00	7,236.70	7,174.70	7,174.70	75.61	252.47	90.01	-182.76	4,839.48	496.63	168.43	328.20	1.513	
11,866.99	7,236.59	7,174.59	7,174.59	76.66	252.46	90.00	-182.76	4,839.48	492.09	162.40	329.70	1.493	Level 3, CC, ES, SF
11,900.00	7,236.53	7,174.53	7,174.53	77.18	252.46	89.99	-182.76	4,839.48	493.20	163.21	329.99	1.495	Level 3
12,000.00	7,236.36	7,174.36	7,174.36	78.75	252.45	89.97	-182.76	4,839.48	509.75	180.61	329.14	1.549	
12,100.00	7,236.18	7,174.18	7,174.18	80.33	252.45	89.95	-182.76	4,839.48	544.47	218.26	326.22	1.669	
12,200.00	7,236.01	7,174.01	7,174.01	81.91	252.44	89.93	-182.76	4,839.48	594.18	271.99	322.19	1.844	
12,300.00	7,235.83	7,173.83	7,173.83	83.49	252.44	89.91	-182.76	4,839.48	655.48	337.58	317.90	2.062	
12,400.00	7,235.66	7,173.66	7,173.66	85.08	252.43	89.89	-182.76	4,839.48	725.44	411.59	313.85	2.311	
12,500.00	7,235.48	7,173.48	7,173.48	86.67	252.42	89.87	-182.76	4,839.48	801.79	491.54	310.24	2.584	
12,600.00	7,235.31	7,173.31	7,173.31	88.26	252.42	89.85	-182.76	4,839.48	882.87	575.73	307.14	2.875	
12,700.00	7,235.14	7,173.14	7,173.14	89.86	252.41	89.83	-182.76	4,839.48	967.51	663.00	304.50	3.177	
12,800.00	7,234.96	7,172.96	7,172.96	91.45	252.40	89.81	-182.76	4,839.48	1,054.83	752.55	302.28	3.490	
12,900.00	7,234.79	7,172.79	7,172.79	93.06	252.40	89.79	-182.76	4,839.48	1,144.23	843.83	300.40	3.809	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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: 139-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	
10,900.00	7,238.27	7,231.57	7,215.93	61.75	19.67	89.92	-741.90	4,378.70	1,168.01	1,090.50	77.51	15.069	
11,000.00	7,238.10	7,230.85	7,215.22	63.26	19.67	89.88	-741.90	4,378.71	1,128.18	1,047.77	80.41	14.030	
11,100.00	7,237.93	7,230.14	7,214.51	64.78	19.67	89.84	-741.89	4,378.71	1,096.05	1,012.86	83.19	13.175	
11,200.00	7,237.75	7,229.43	7,213.80	66.31	19.67	89.80	-741.89	4,378.72	1,072.32	986.60	85.73	12.509	
11,300.00	7,237.58	7,228.72	7,213.09	67.85	19.67	89.77	-741.89	4,378.72	1,057.55	969.65	87.90	12.031	
11,400.00	7,237.40	7,228.02	7,212.39	69.39	19.66	89.73	-741.88	4,378.72	1,052.12	962.50	89.62	11.740	
11,407.30	7,237.39	7,227.97	7,212.34	69.50	19.66	89.72	-741.88	4,378.72	1,052.10	962.37	89.72	11.726 CC, ES	
11,500.00	7,237.23	7,227.32	7,211.69	70.94	19.66	89.69	-741.88	4,378.73	1,056.17	965.36	90.81	11.631 SF	
11,600.00	7,237.05	7,226.62	7,210.99	72.49	19.66	89.65	-741.88	4,378.73	1,069.60	978.15	91.45	11.696	
11,700.00	7,236.88	7,225.92	7,210.29	74.05	19.66	89.61	-741.87	4,378.74	1,092.05	1,000.49	91.56	11.927	
11,800.00	7,236.70	7,225.23	7,209.60	75.61	19.66	89.58	-741.87	4,378.74	1,122.99	1,031.78	91.21	12.312	
11,900.00	7,236.53	7,224.53	7,208.90	77.18	19.66	89.54	-741.87	4,378.74	1,161.74	1,071.27	90.48	12.840	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-28 Offsets - IGO FARMS J 28-31D - Noble PR Well - Actual Ensign Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 147-SRC Energy_ISCWSA REV 2 MWD												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,300.00	7,241.07	7,328.11	7,215.69	39.33	28.23	89.71	-461.23	3,125.59	1,152.16	1,096.50	55.66	20.700	
9,400.00	7,240.89	7,328.45	7,216.02	40.57	28.23	89.74	-461.23	3,125.59	1,080.16	1,022.49	57.67	18.729	
9,500.00	7,240.72	7,328.78	7,216.35	41.85	28.23	89.76	-461.23	3,125.59	1,012.93	952.90	60.02	16.875	
9,600.00	7,240.54	7,329.11	7,216.68	43.15	28.23	89.79	-461.23	3,125.60	951.47	888.75	62.72	15.170	
9,700.00	7,240.37	7,329.44	7,217.01	44.48	28.23	89.81	-461.23	3,125.60	896.98	831.26	65.71	13.650	
9,800.00	7,240.19	7,329.77	7,217.34	45.83	28.23	89.83	-461.23	3,125.60	850.79	781.87	68.92	12.345	
9,900.00	7,240.02	7,330.10	7,217.67	47.21	28.23	89.86	-461.23	3,125.60	814.32	742.17	72.15	11.287	
10,000.00	7,239.84	7,330.43	7,218.01	48.60	28.23	89.88	-461.23	3,125.60	788.91	713.74	75.17	10.494	
10,100.00	7,239.67	7,330.77	7,218.34	50.00	28.23	89.91	-461.23	3,125.60	775.66	697.93	77.73	9.979	
10,153.64	7,239.58	7,330.94	7,218.51	50.77	28.23	89.92	-461.23	3,125.61	773.81	694.98	78.83	9.817 CC, ES	
10,200.00	7,239.50	7,331.10	7,218.67	51.43	28.23	89.93	-461.23	3,125.61	775.19	695.61	79.59	9.740 SF	
10,300.00	7,239.32	7,331.43	7,219.00	52.87	28.23	89.96	-461.23	3,125.61	787.52	706.90	80.62	9.768	
10,400.00	7,239.15	7,331.76	7,219.33	54.32	28.23	89.98	-461.23	3,125.61	812.07	731.23	80.85	10.045	
10,500.00	7,238.97	7,332.10	7,219.67	55.78	28.23	90.01	-461.24	3,125.61	847.78	767.40	80.38	10.547	
10,600.00	7,238.80	7,332.43	7,220.00	57.26	28.23	90.03	-461.24	3,125.61	893.31	813.90	79.42	11.248	
10,700.00	7,238.62	7,332.76	7,220.33	58.75	28.23	90.06	-461.24	3,125.61	947.25	869.11	78.13	12.124	
10,800.00	7,238.45	7,333.09	7,220.66	60.24	28.24	90.08	-461.24	3,125.62	1,008.24	931.55	76.69	13.148	
10,900.00	7,238.27	7,333.42	7,220.99	61.75	28.24	90.11	-461.24	3,125.62	1,075.09	999.90	75.19	14.298	
11,000.00	7,238.10	7,333.76	7,221.33	63.26	28.24	90.13	-461.24	3,125.62	1,146.77	1,073.04	73.73	15.554	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-28 Offsets - WIEDEMAN 28-1H6 - Noble SI Well - No Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-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	
13,600.00	7,233.57	7,143.57	7,143.57	104.33	251.36	90.40	26.70	7,676.79	1,138.19	846.58	291.61	3.903	
13,700.00	7,233.39	7,143.39	7,143.39	105.94	251.36	90.36	26.70	7,676.79	1,041.49	748.03	293.46	3.549	
13,800.00	7,233.22	7,143.22	7,143.22	107.56	251.35	90.33	26.70	7,676.79	945.47	649.70	295.77	3.197	
13,900.00	7,233.04	7,143.04	7,143.04	109.18	251.34	90.29	26.70	7,676.79	850.37	551.67	298.70	2.847	
14,000.00	7,232.87	7,142.87	7,142.87	110.81	251.34	90.25	26.70	7,676.79	756.54	454.05	302.49	2.501	
14,100.00	7,232.69	7,142.69	7,142.69	112.43	251.33	90.22	26.70	7,676.79	664.51	357.04	307.47	2.161	
14,200.00	7,232.52	7,142.52	7,142.52	114.06	251.33	90.18	26.70	7,676.79	575.15	261.04	314.10	1.831	
14,300.00	7,232.34	7,142.34	7,142.34	115.68	251.32	90.15	26.70	7,676.79	489.91	166.87	323.05	1.517	
14,400.00	7,232.17	7,142.17	7,142.17	117.31	251.31	90.11	26.70	7,676.79	411.38	76.38	335.00	1.228	Level 2
14,500.00	7,232.00	7,142.00	7,142.00	118.94	251.31	90.07	26.70	7,676.79	344.17	-5.91	350.08	0.983	Level 1
14,600.00	7,231.82	7,141.82	7,141.82	120.57	251.30	90.04	26.70	7,676.79	296.10	-69.57	365.66	0.810	Level 1
14,700.00	7,231.65	7,141.65	7,141.65	122.20	251.30	90.00	26.70	7,676.79	277.30	-96.78	374.08	0.741	Level 1
14,703.90	7,231.64	7,141.64	7,141.64	122.27	251.30	90.00	26.70	7,676.79	277.27	-96.87	374.14	0.741	Level 1, CC, ES, SF
14,800.00	7,231.47	7,141.47	7,141.47	123.83	251.29	89.97	26.70	7,676.79	293.45	-75.59	369.04	0.795	Level 1
14,900.00	7,231.30	7,141.30	7,141.30	125.47	251.28	89.93	26.70	7,676.79	339.61	-15.84	355.45	0.955	Level 1
15,000.00	7,231.12	7,141.12	7,141.12	127.10	251.28	89.89	26.70	7,676.79	405.65	64.42	341.24	1.189	Level 2
15,100.00	7,230.95	7,140.95	7,140.95	128.74	251.27	89.86	26.70	7,676.79	483.50	153.88	329.62	1.467	Level 3
15,200.00	7,230.77	7,140.77	7,140.77	130.38	251.26	89.82	26.70	7,676.79	568.32	247.52	320.81	1.772	
15,300.00	7,230.60	7,140.60	7,140.60	132.01	251.26	89.79	26.70	7,676.79	657.43	343.21	314.21	2.092	
15,400.00	7,230.43	7,140.43	7,140.43	133.65	251.25	89.75	26.70	7,676.79	749.29	440.04	309.25	2.423	
15,500.00	7,230.25	7,140.25	7,140.25	135.29	251.25	89.71	26.70	7,676.79	843.00	537.53	305.47	2.760	
15,600.00	7,230.08	7,140.08	7,140.08	136.93	251.24	89.68	26.70	7,676.79	938.01	635.47	302.55	3.100	
15,700.00	7,229.90	7,139.90	7,139.90	138.57	251.23	89.64	26.70	7,676.79	1,033.97	733.71	300.26	3.444	
15,800.00	7,229.73	7,139.73	7,139.73	140.21	251.23	89.60	26.70	7,676.79	1,130.62	832.18	298.44	3.788	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-28 Offsets - WIEDEMAN J 28-17 - Noble SI Well - No Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-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	
13,500.00	7,233.74	7,171.74	7,171.74	102.71	252.36	90.05	-725.40	7,031.74	1,173.04	828.24	344.80	3.402	
13,600.00	7,233.57	7,171.57	7,171.57	104.33	252.36	90.04	-725.40	7,031.74	1,128.70	779.30	349.40	3.230	
13,700.00	7,233.39	7,171.39	7,171.39	105.94	252.35	90.03	-725.40	7,031.74	1,091.75	737.98	353.77	3.086	
13,800.00	7,233.22	7,171.22	7,171.22	107.56	252.34	90.03	-725.40	7,031.74	1,062.94	705.23	357.72	2.971	
13,900.00	7,233.04	7,171.04	7,171.04	109.18	252.34	90.02	-725.40	7,031.74	1,042.97	681.92	361.06	2.889	
14,000.00	7,232.87	7,170.87	7,170.87	110.81	252.33	90.01	-725.40	7,031.74	1,032.35	668.75	363.60	2.839	
14,060.28	7,232.76	7,170.76	7,170.76	111.79	252.33	90.00	-725.40	7,031.74	1,030.59	665.89	364.69	2.826	CC, ES
14,100.00	7,232.69	7,170.69	7,170.69	112.43	252.32	90.00	-725.40	7,031.74	1,031.35	666.13	365.22	2.824	SF
14,200.00	7,232.52	7,170.52	7,170.52	114.06	252.32	89.99	-725.40	7,031.74	1,040.01	674.14	365.87	2.843	
14,300.00	7,232.34	7,170.34	7,170.34	115.68	252.31	89.98	-725.40	7,031.74	1,058.10	692.52	365.58	2.894	
14,400.00	7,232.17	7,170.17	7,170.17	117.31	252.31	89.97	-725.40	7,031.74	1,085.13	720.69	364.44	2.978	
14,500.00	7,232.00	7,170.00	7,170.00	118.94	252.30	89.96	-725.40	7,031.74	1,120.47	757.86	362.62	3.090	
14,600.00	7,231.82	7,169.82	7,169.82	120.57	252.29	89.95	-725.40	7,031.74	1,163.36	803.09	360.27	3.229	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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_2" CONE_2.448, 474-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	
12,100.00	7,236.18	7,404.32	7,196.40	80.33	37.27	90.64	-620.48	5,762.38	1,156.93	1,056.91	100.01	11.568	
12,200.00	7,236.01	7,401.79	7,193.87	81.91	37.26	90.49	-620.46	5,762.44	1,100.15	995.21	104.94	10.484	
12,300.00	7,235.83	7,399.27	7,191.35	83.49	37.26	90.33	-620.45	5,762.49	1,049.85	939.86	109.98	9.546	
12,400.00	7,235.66	7,396.75	7,188.83	85.08	37.25	90.18	-620.43	5,762.55	1,006.98	892.02	114.96	8.759	
12,500.00	7,235.48	7,394.24	7,186.32	86.67	37.25	90.02	-620.41	5,762.61	972.54	852.90	119.63	8.129	
12,600.00	7,235.31	7,391.73	7,183.81	88.26	37.25	89.87	-620.39	5,762.66	947.43	823.70	123.73	7.657	
12,700.00	7,235.14	7,389.22	7,181.31	89.86	37.24	89.71	-620.37	5,762.72	932.43	805.45	126.98	7.343	
12,791.11	7,234.98	7,386.95	7,179.03	91.31	37.24	89.57	-620.36	5,762.77	927.97	798.96	129.01	7.193 CC	
12,800.00	7,234.96	7,386.72	7,178.81	91.45	37.24	89.56	-620.36	5,762.77	928.01	798.85	129.16	7.185 ES	
12,900.00	7,234.79	7,384.23	7,176.31	93.06	37.24	89.40	-620.34	5,762.82	934.33	804.17	130.16	7.178 SF	
13,000.00	7,234.61	7,381.73	7,173.82	94.66	37.23	89.25	-620.32	5,762.88	951.18	821.18	130.00	7.317	
13,100.00	7,234.44	7,379.24	7,171.33	96.26	37.23	89.10	-620.30	5,762.93	978.00	849.21	128.79	7.594	
13,200.00	7,234.26	7,376.76	7,168.85	97.87	37.22	88.94	-620.28	5,762.99	1,014.01	887.27	126.74	8.001	
13,300.00	7,234.09	7,374.28	7,166.37	99.48	37.22	88.79	-620.26	5,763.04	1,058.27	934.18	124.09	8.528	
13,400.00	7,233.91	7,371.80	7,163.89	101.10	37.22	88.64	-620.24	5,763.10	1,109.80	988.73	121.06	9.167	
13,500.00	7,233.74	7,369.33	7,161.42	102.71	37.21	88.48	-620.22	5,763.15	1,167.63	1,049.77	117.85	9.907	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-28 Offsets - WIEDEMAN-PM J28-2 - Noble SI Well - No Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-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
12,300.00	7,235.83	7,177.83	7,177.83	83.49	252.58	90.26	-113.56	6,373.21	1,178.00	883.88	294.13	4.005	
12,400.00	7,235.66	7,177.66	7,177.66	85.08	252.57	90.24	-113.56	6,373.21	1,085.16	788.79	296.38	3.661	
12,500.00	7,235.48	7,177.48	7,177.48	86.67	252.57	90.21	-113.56	6,373.21	993.71	694.60	299.11	3.322	
12,600.00	7,235.31	7,177.31	7,177.31	88.26	252.56	90.19	-113.56	6,373.21	904.07	601.62	302.45	2.989	
12,700.00	7,235.14	7,177.14	7,177.14	89.86	252.55	90.17	-113.56	6,373.21	816.84	510.28	306.56	2.665	
12,800.00	7,234.96	7,176.96	7,176.96	91.45	252.55	90.14	-113.56	6,373.21	732.87	421.25	311.62	2.352	
12,900.00	7,234.79	7,176.79	7,176.79	93.06	252.54	90.12	-113.56	6,373.21	653.44	335.61	317.83	2.056	
13,000.00	7,234.61	7,176.61	7,176.61	94.66	252.53	90.10	-113.56	6,373.21	580.40	255.11	325.30	1.784	
13,100.00	7,234.44	7,176.44	7,176.44	96.26	252.53	90.07	-113.56	6,373.21	516.48	182.61	333.87	1.547	
13,200.00	7,234.26	7,176.26	7,176.26	97.87	252.52	90.05	-113.56	6,373.21	465.44	122.65	342.78	1.358	Level 3
13,300.00	7,234.09	7,176.09	7,176.09	99.48	252.52	90.02	-113.56	6,373.21	431.87	81.55	350.33	1.233	Level 2
13,400.00	7,233.91	7,175.91	7,175.91	101.10	252.51	90.00	-113.56	6,373.21	420.00	65.81	354.18	1.186	Level 2
13,400.59	7,233.91	7,175.91	7,175.91	101.11	252.51	90.00	-113.56	6,373.21	419.99	65.80	354.19	1.186	Level 2, CC, ES, SF
13,500.00	7,233.74	7,175.74	7,175.74	102.71	252.50	89.98	-113.56	6,373.21	431.60	78.55	353.05	1.222	Level 2
13,600.00	7,233.57	7,175.57	7,175.57	104.33	252.50	89.95	-113.56	6,373.21	464.93	117.12	347.81	1.337	Level 3
13,700.00	7,233.39	7,175.39	7,175.39	105.94	252.49	89.93	-113.56	6,373.21	515.79	175.19	340.61	1.514	
13,800.00	7,233.22	7,175.22	7,175.22	107.56	252.48	89.90	-113.56	6,373.21	579.59	246.38	333.21	1.739	
13,900.00	7,233.04	7,175.04	7,175.04	109.18	252.48	89.88	-113.56	6,373.21	652.54	326.02	326.52	1.998	
14,000.00	7,232.87	7,174.87	7,174.87	110.81	252.47	89.86	-113.56	6,373.21	731.91	411.10	320.81	2.281	
14,100.00	7,232.69	7,174.69	7,174.69	112.43	252.47	89.83	-113.56	6,373.21	815.82	499.76	316.06	2.581	
14,200.00	7,232.52	7,174.52	7,174.52	114.06	252.46	89.81	-113.56	6,373.21	903.02	590.87	312.15	2.893	
14,300.00	7,232.34	7,174.34	7,174.34	115.68	252.45	89.79	-113.56	6,373.21	992.64	683.71	308.93	3.213	
14,400.00	7,232.17	7,174.17	7,174.17	117.31	252.45	89.76	-113.56	6,373.21	1,084.07	777.80	306.27	3.540	
14,500.00	7,232.00	7,174.00	7,174.00	118.94	252.44	89.74	-113.56	6,373.21	1,176.90	872.84	304.06	3.871	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 Offsets Incomplete (Need 2 Directionals) - BENSLE J 29-17D - Noble PR Well - Actual En										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		100-SRC Energy_2" CONE_2.448, 517-SRC Energy_ISCWSA REV 2 MWD										<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>	
8,700.00	7,242.11	7,325.47	7,223.42	32.66	30.11	89.69	-835.11	1,918.57	1,176.27	1,117.31	58.96	19.951	
8,800.00	7,241.94	7,324.92	7,222.88	33.66	30.10	89.66	-835.10	1,918.57	1,159.38	1,098.91	60.47	19.174	
8,900.00	7,241.76	7,324.38	7,222.34	34.70	30.10	89.63	-835.10	1,918.57	1,150.95	1,088.96	61.99	18.567	
8,947.33	7,241.68	7,324.12	7,222.08	35.22	30.10	89.62	-835.10	1,918.58	1,149.98	1,087.27	62.70	18.340 CC, ES	
9,000.00	7,241.59	7,323.83	7,221.79	35.80	30.10	89.61	-835.10	1,918.58	1,151.18	1,087.71	63.47	18.138	
9,100.00	7,241.41	7,323.28	7,221.24	36.93	30.10	89.58	-835.09	1,918.58	1,160.07	1,095.22	64.84	17.890	
9,200.00	7,241.24	7,322.73	7,220.69	38.11	30.10	89.55	-835.09	1,918.58	1,177.41	1,111.34	66.07	17.821 SF	

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 26N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	MD Reference:	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SANFORD 26N-27C-XR	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-29 Offsets Incomplete (Need 2 Directionals) - BENSLE J 29-18D - Noble SI Well - Actual Ens												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 554-SRC Energy_ISCWSA REV 2 MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	3.28	3.28	98.98	-183.94	1,164.32	1,178.82				
100.00	100.00	88.00	88.00	3.28	3.55	98.98	-183.94	1,164.32	1,178.76	1,171.13	7.62	154.617	
200.00	200.00	188.00	188.00	3.31	5.70	98.98	-183.94	1,164.32	1,178.76	1,168.96	9.79	120.344	
300.00	299.98	287.98	287.98	3.35	8.83	108.55	-183.94	1,164.32	1,179.31	1,166.33	12.98	90.890	
400.00	399.88	387.88	387.88	3.42	12.19	108.74	-183.94	1,164.32	1,180.73	1,164.33	16.40	71.997	
500.00	499.77	487.93	487.93	3.51	14.98	108.95	-183.91	1,164.32	1,182.22	1,162.95	19.27	61.336	
600.00	599.67	588.13	588.13	3.62	16.12	109.15	-183.67	1,164.33	1,183.70	1,163.18	20.53	57.662	
700.00	699.56	688.08	688.08	3.74	16.13	109.37	-183.75	1,164.27	1,185.19	1,164.53	20.66	57.371	
800.00	799.45	787.66	787.66	3.88	16.14	109.59	-183.98	1,164.20	1,186.70	1,165.89	20.81	57.024	
900.00	899.35	887.46	887.46	4.04	16.15	109.80	-184.05	1,164.18	1,188.25	1,167.27	20.98	56.637	
1,000.00	999.24	987.72	987.72	4.21	16.17	110.03	-184.36	1,164.10	1,189.81	1,168.64	21.17	56.208	
1,100.00	1,099.13	1,088.29	1,088.28	4.39	16.20	110.27	-185.00	1,163.91	1,191.34	1,169.97	21.37	55.745	
1,200.00	1,199.03	1,189.09	1,189.09	4.58	16.22	110.52	-185.65	1,163.65	1,192.82	1,171.23	21.59	55.256	
1,300.00	1,298.92	1,288.63	1,288.62	4.78	16.26	110.76	-186.40	1,163.34	1,194.28	1,172.46	21.82	54.738	
1,400.00	1,398.81	1,389.38	1,389.36	4.98	16.29	111.02	-187.47	1,162.99	1,195.80	1,173.74	22.06	54.208	
1,500.00	1,498.70	1,496.88	1,496.85	5.20	16.33	111.31	-188.69	1,162.15	1,196.94	1,174.63	22.32	53.636	
1,600.00	1,598.60	1,625.20	1,625.12	5.42	16.39	111.69	-190.70	1,159.43	1,196.97	1,174.38	22.58	53.000	
1,700.00	1,698.49	1,759.85	1,759.41	5.64	16.47	112.31	-196.29	1,151.51	1,193.76	1,170.91	22.86	52.227	
1,800.00	1,798.38	1,904.82	1,903.38	5.88	16.56	113.22	-206.02	1,137.73	1,187.87	1,164.75	23.12	51.375	
1,900.00	1,898.28	2,036.13	2,032.99	6.11	16.68	114.21	-216.93	1,119.81	1,178.35	1,155.16	23.19	50.807	
2,000.00	1,998.17	2,164.55	2,158.71	6.35	16.83	115.46	-231.72	1,098.23	1,166.92	1,143.43	23.50	49.664	
2,100.00	2,098.06	2,297.79	2,287.63	6.59	17.03	117.01	-250.14	1,070.14	1,152.12	1,128.30	23.82	48.364	
2,200.00	2,197.96	2,373.34	2,360.22	6.83	17.17	118.02	-262.61	1,053.30	1,137.62	1,113.36	24.25	46.903	
2,300.00	2,297.85	2,451.88	2,435.60	7.08	17.32	119.16	-277.33	1,036.91	1,125.60	1,100.92	24.69	45.596	
2,400.00	2,397.74	2,562.41	2,541.66	7.33	17.55	120.80	-298.42	1,014.05	1,114.67	1,089.54	25.12	44.367	
2,500.00	2,497.63	2,684.49	2,658.55	7.58	17.85	122.65	-320.51	986.64	1,102.57	1,076.98	25.59	43.079	
2,600.00	2,597.53	2,806.42	2,774.14	7.84	18.22	124.65	-342.86	954.96	1,087.98	1,061.86	26.12	41.650	
2,700.00	2,697.42	2,898.72	2,861.45	8.09	18.52	126.21	-359.74	930.24	1,073.69	1,047.00	26.68	40.236	
2,800.00	2,797.31	2,971.89	2,931.03	8.35	18.74	127.43	-372.65	911.65	1,061.27	1,034.03	27.24	38.957	
2,900.00	2,897.21	3,042.12	2,998.21	8.61	18.97	128.59	-385.15	895.49	1,051.83	1,024.03	27.80	37.836	
3,000.00	2,997.10	3,132.91	3,084.78	8.87	19.30	130.19	-403.71	875.36	1,045.14	1,016.73	28.41	36.783	
3,100.00	3,096.99	3,255.17	3,201.19	9.13	19.77	132.36	-427.49	846.57	1,037.88	1,008.77	29.11	35.651	
3,200.00	3,196.89	3,355.50	3,297.31	9.39	20.13	134.02	-443.57	822.77	1,029.69	999.94	29.75	34.612	
3,300.00	3,296.78	3,430.88	3,369.95	9.65	20.41	135.21	-455.04	806.24	1,023.35	993.00	30.35	33.723	
3,400.00	3,396.67	3,516.50	3,452.95	9.92	20.71	136.49	-467.60	789.34	1,019.20	988.25	30.95	32.935	
3,500.00	3,496.57	3,610.36	3,544.11	10.18	21.04	137.86	-481.15	771.58	1,016.23	984.66	31.57	32.188	
3,600.00	3,596.46	3,696.49	3,628.43	10.45	21.33	138.97	-491.65	757.57	1,014.57	982.42	32.15	31.556	
3,644.78	3,641.19	3,733.49	3,664.80	10.57	21.44	139.41	-495.88	752.21	1,014.38	981.99	32.39	31.313	
3,700.00	3,696.35	3,793.19	3,723.43	10.71	21.64	140.13	-503.08	743.63	1,014.55	981.81	32.74	30.987	
3,800.00	3,796.24	3,930.14	3,856.35	10.98	22.18	142.15	-521.77	716.65	1,012.19	978.65	33.54	30.182	
3,900.00	3,896.14	4,031.18	3,953.00	11.25	22.67	143.93	-537.81	691.93	1,008.76	974.44	34.31	29.397	
4,000.00	3,996.03	4,114.91	4,032.74	11.52	23.10	145.48	-552.26	670.89	1,006.75	971.70	35.05	28.723	
4,100.00	4,095.92	4,217.63	4,130.57	11.79	23.61	147.38	-570.04	645.14	1,005.89	970.04	35.85	28.057	
4,200.00	4,195.82	4,320.66	4,229.68	12.06	24.08	149.10	-584.88	621.25	1,005.17	968.57	36.60	27.463	
4,269.24	4,264.99	4,385.95	4,293.23	12.24	24.35	150.02	-592.15	608.20	1,004.87	967.80	37.07	27.107	
4,300.00	4,295.71	4,411.69	4,318.31	12.33	24.46	150.38	-595.05	603.19	1,004.96	967.69	37.27	26.967	
4,400.00	4,395.60	4,504.54	4,408.86	12.60	24.83	151.66	-605.80	585.68	1,006.24	968.32	37.92	26.538	
4,500.00	4,495.50	4,598.61	4,501.44	12.87	25.16	152.71	-614.15	571.29	1,008.09	969.57	38.52	26.173	
4,600.00	4,595.39	4,681.86	4,583.88	13.14	25.40	153.46	-620.30	561.53	1,011.21	972.18	39.03	25.910	
4,700.00	4,695.28	4,785.92	4,687.34	13.41	25.67	154.20	-626.82	552.60	1,015.47	975.91	39.56	25.670	
4,800.00	4,795.18	4,881.16	4,782.26	13.68	25.87	154.75	-631.14	546.11	1,019.45	979.41	40.03	25.465	
4,900.00	4,895.07	4,963.61	4,864.49	13.95	26.05	155.18	-635.22	541.62	1,024.62	984.16	40.46	25.323	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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_2" CONE_2.448, 554-SRC Energy_ISCWSA REV 2 MWD												<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
5,000.00	4,994.96	5,052.29	4,952.98	14.23	26.22	155.57	-639.95	538.45	1,031.23	990.35	40.89	25.221	
5,100.00	5,094.85	5,178.91	5,079.43	14.50	26.43	156.02	-645.43	535.16	1,037.76	996.37	41.39	25.072	
5,200.00	5,194.75	5,295.05	5,195.55	14.77	26.59	156.23	-645.24	533.22	1,040.84	999.02	41.82	24.890	
5,300.00	5,294.64	5,390.78	5,291.28	15.05	26.69	156.31	-644.26	532.91	1,044.04	1,001.84	42.19	24.743	
5,400.00	5,394.53	5,486.29	5,386.79	15.32	26.80	156.37	-643.44	533.09	1,047.66	1,005.09	42.57	24.610	
5,500.00	5,494.43	5,581.46	5,481.96	15.59	26.91	156.44	-643.04	533.38	1,051.71	1,008.76	42.95	24.486	
5,600.00	5,594.32	5,675.39	5,575.88	15.87	27.02	156.53	-643.16	533.69	1,056.24	1,012.92	43.33	24.379	
5,700.00	5,694.21	5,766.66	5,667.14	16.14	27.11	156.55	-643.25	535.26	1,061.50	1,017.81	43.69	24.298	
5,800.00	5,794.11	5,864.82	5,765.25	16.42	27.21	156.51	-643.26	538.28	1,067.42	1,023.36	44.06	24.227	
5,900.00	5,894.00	5,971.51	5,871.92	16.69	27.35	156.61	-644.31	539.13	1,072.92	1,028.44	44.47	24.126	
6,000.00	5,993.89	6,072.99	5,973.39	16.97	27.50	156.80	-645.94	538.15	1,077.99	1,033.10	44.89	24.013	
6,100.00	6,093.79	6,173.64	6,074.03	17.24	27.65	156.96	-647.21	537.56	1,083.00	1,037.68	45.31	23.900	
6,200.00	6,193.68	6,266.87	6,167.25	17.52	27.79	157.09	-648.47	537.46	1,088.33	1,042.61	45.71	23.808	
6,300.00	6,293.57	6,364.84	6,265.21	17.79	27.93	157.21	-650.03	537.80	1,094.11	1,047.99	46.12	23.722	
6,400.00	6,393.46	6,470.18	6,370.54	18.07	28.07	157.33	-651.34	538.18	1,099.62	1,053.07	46.55	23.624	
6,500.00	6,493.36	6,570.70	6,471.06	18.35	28.22	157.43	-652.19	538.52	1,104.79	1,057.83	46.96	23.527	
6,600.00	6,593.25	6,669.30	6,569.65	18.62	28.35	157.52	-653.04	539.00	1,110.05	1,062.68	47.37	23.434	
6,700.00	6,692.89	6,767.89	6,668.23	18.87	28.50	77.06	-653.92	539.63	1,112.04	1,064.29	47.75	23.288	
6,800.00	6,790.44	6,865.55	6,765.89	19.10	28.63	68.70	-654.82	540.35	1,106.10	1,057.98	48.12	22.985	
6,900.00	6,883.50	6,961.95	6,862.29	19.32	28.77	68.43	-655.57	540.96	1,092.79	1,044.29	48.50	22.533	
7,000.00	6,969.78	7,050.55	6,950.88	19.55	28.90	70.83	-656.08	541.36	1,073.57	1,024.70	48.88	21.965	
7,100.00	7,047.15	7,129.30	7,029.63	19.97	29.01	74.61	-656.40	541.78	1,050.66	1,001.37	49.29	21.315	
7,200.00	7,113.71	7,197.31	7,097.64	20.55	29.11	79.03	-656.57	542.21	1,026.65	976.85	49.81	20.613	
7,300.00	7,167.82	7,250.77	7,151.09	21.38	29.19	83.27	-656.72	542.58	1,004.46	953.98	50.48	19.899	
7,400.00	7,208.14	7,291.15	7,191.48	22.49	29.25	86.80	-656.85	542.86	986.93	935.58	51.35	19.221	
7,500.00	7,233.69	7,317.04	7,217.36	23.90	29.29	89.09	-656.95	543.05	976.50	924.11	52.39	18.638	
7,567.83	7,242.27	7,325.99	7,226.32	25.02	29.30	89.77	-656.98	543.12	974.37	921.18	53.18	18.321 CC, ES	
7,600.00	7,243.83	7,327.77	7,228.09	25.55	29.30	89.82	-656.99	543.13	974.85	921.32	53.53	18.211	
7,700.00	7,243.86	7,328.52	7,228.84	26.79	29.30	89.81	-656.99	543.14	982.88	928.90	53.98	18.208 SF	
7,800.00	7,243.68	7,329.08	7,229.40	26.98	29.30	89.84	-656.99	543.14	1,000.87	947.37	53.50	18.706	
7,900.00	7,243.51	7,329.64	7,229.96	27.27	29.31	89.88	-657.00	543.15	1,028.31	975.19	53.12	19.357	
8,000.00	7,243.33	7,330.20	7,230.52	27.65	29.31	89.91	-657.00	543.15	1,064.48	1,011.63	52.85	20.143	
8,100.00	7,243.16	7,330.76	7,231.08	28.12	29.31	89.94	-657.00	543.15	1,108.51	1,055.84	52.67	21.046	
8,200.00	7,242.98	7,331.32	7,231.64	28.68	29.31	89.97	-657.00	543.16	1,159.52	1,106.93	52.59	22.048	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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_2" CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,100.00	7,047.15	7,035.15	7,035.15	19.97	247.29	35.75	-182.12	1,188.56	1,169.10	901.41	267.69	4.367	
7,200.00	7,113.71	7,101.71	7,101.71	20.55	249.65	41.87	-182.12	1,188.56	1,103.29	832.93	270.36	4.081	
7,300.00	7,167.82	7,155.82	7,155.82	21.38	251.57	50.75	-182.12	1,188.56	1,030.05	757.36	272.69	3.777	
7,400.00	7,208.14	7,203.86	7,196.14	22.49	253.27	62.45	-182.12	1,188.56	951.88	676.94	274.94	3.462	
7,500.00	7,233.69	7,221.69	7,221.69	23.90	253.90	75.81	-182.12	1,188.56	871.63	595.26	276.37	3.154	
7,600.00	7,243.83	7,231.83	7,231.83	25.55	254.26	88.36	-182.12	1,188.56	792.39	514.54	277.85	2.852	
7,700.00	7,243.86	7,231.86	7,231.86	26.79	254.26	90.10	-182.12	1,188.56	717.41	436.26	281.15	2.552	
7,800.00	7,243.68	7,231.68	7,231.68	26.98	254.25	90.08	-182.12	1,188.56	649.21	367.72	281.49	2.306	
7,900.00	7,243.51	7,231.51	7,231.51	27.27	254.25	90.06	-182.12	1,188.56	590.13	308.22	281.91	2.093	
8,000.00	7,243.33	7,231.33	7,231.33	27.65	254.24	90.04	-182.12	1,188.56	543.18	260.77	282.41	1.923	
8,100.00	7,243.16	7,231.16	7,231.16	28.12	254.24	90.02	-182.12	1,188.56	511.69	228.75	282.94	1.808	
8,200.00	7,242.98	7,230.98	7,230.98	28.68	254.23	90.00	-182.12	1,188.56	498.61	215.22	283.40	1.759	
8,216.07	7,242.96	7,230.96	7,230.96	28.78	254.23	90.00	-182.12	1,188.56	498.36	214.89	283.46	1.758	CC, ES, SF
8,300.00	7,242.81	7,230.81	7,230.81	29.33	254.22	89.98	-182.12	1,188.56	505.37	221.69	283.69	1.781	
8,400.00	7,242.63	7,230.63	7,230.63	30.06	254.22	89.96	-182.12	1,188.56	531.22	247.44	283.77	1.872	
8,500.00	7,242.46	7,230.46	7,230.46	30.86	254.21	89.94	-182.12	1,188.56	573.57	289.86	283.70	2.022	
8,600.00	7,242.29	7,230.29	7,230.29	31.73	254.21	89.92	-182.12	1,188.56	629.10	345.55	283.55	2.219	
8,700.00	7,242.11	7,230.11	7,230.11	32.66	254.20	89.90	-182.12	1,188.56	694.66	411.28	283.38	2.451	
8,800.00	7,241.94	7,229.94	7,229.94	33.66	254.19	89.88	-182.12	1,188.56	767.68	484.46	283.22	2.711	
8,900.00	7,241.76	7,229.76	7,229.76	34.70	254.19	89.86	-182.12	1,188.56	846.24	563.15	283.09	2.989	
9,000.00	7,241.59	7,229.59	7,229.59	35.80	254.18	89.84	-182.12	1,188.56	928.93	645.95	282.98	3.283	
9,100.00	7,241.41	7,229.41	7,229.41	36.93	254.17	89.82	-182.12	1,188.56	1,014.74	731.83	282.91	3.587	
9,200.00	7,241.24	7,229.24	7,229.24	38.11	254.17	89.80	-182.12	1,188.56	1,102.94	820.09	282.85	3.899	
9,300.00	7,241.07	7,229.07	7,229.07	39.33	254.16	89.78	-182.12	1,188.56	1,193.01	910.19	282.82	4.218	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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_2" CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,200.00	7,113.71	7,101.71	7,101.71	20.55	249.65	40.41	-179.20	1,237.03	1,145.58	875.23	270.35	4.237	
7,300.00	7,167.82	7,155.82	7,155.82	21.38	251.57	49.15	-179.20	1,237.03	1,071.42	798.77	272.65	3.930	
7,400.00	7,208.14	7,203.86	7,196.14	22.49	253.27	60.95	-179.20	1,237.03	992.05	717.17	274.88	3.609	
7,500.00	7,233.69	7,221.69	7,221.69	23.90	253.90	74.81	-179.20	1,237.03	910.20	633.95	276.24	3.295	
7,600.00	7,243.83	7,231.83	7,231.83	25.55	254.26	88.22	-179.20	1,237.03	828.83	551.19	277.64	2.985	
7,700.00	7,243.86	7,231.86	7,231.86	26.79	254.26	90.11	-179.20	1,237.03	751.04	469.98	281.06	2.672	
7,800.00	7,243.68	7,231.68	7,231.68	26.98	254.25	90.09	-179.20	1,237.03	679.09	397.70	281.39	2.413	
7,900.00	7,243.51	7,231.51	7,231.51	27.27	254.25	90.07	-179.20	1,237.03	615.02	333.22	281.81	2.182	
8,000.00	7,243.33	7,231.33	7,231.33	27.65	254.24	90.05	-179.20	1,237.03	561.56	279.23	282.33	1.989	
8,100.00	7,243.16	7,231.16	7,231.16	28.12	254.24	90.03	-179.20	1,237.03	521.96	239.04	282.91	1.845	
8,200.00	7,242.98	7,230.98	7,230.98	28.68	254.23	90.01	-179.20	1,237.03	499.53	216.05	283.48	1.762	
8,264.54	7,242.87	7,230.87	7,230.87	29.10	254.23	90.00	-179.20	1,237.03	495.34	211.56	283.78	1.746	CC, ES, SF
8,300.00	7,242.81	7,230.81	7,230.81	29.33	254.22	89.99	-179.20	1,237.03	496.61	212.71	283.90	1.749	
8,400.00	7,242.63	7,230.63	7,230.63	30.06	254.22	89.97	-179.20	1,237.03	513.53	229.44	284.09	1.808	
8,500.00	7,242.46	7,230.46	7,230.46	30.86	254.21	89.95	-179.20	1,237.03	548.46	264.38	284.08	1.931	
8,600.00	7,242.29	7,230.29	7,230.29	31.73	254.21	89.93	-179.20	1,237.03	598.25	314.31	283.94	2.107	
8,700.00	7,242.11	7,230.11	7,230.11	32.66	254.20	89.91	-179.20	1,237.03	659.54	375.80	283.74	2.324	
8,800.00	7,241.94	7,229.94	7,229.94	33.66	254.19	89.89	-179.20	1,237.03	729.44	445.90	283.54	2.573	
8,900.00	7,241.76	7,229.76	7,229.76	34.70	254.19	89.87	-179.20	1,237.03	805.71	522.35	283.37	2.843	
9,000.00	7,241.59	7,229.59	7,229.59	35.80	254.18	89.85	-179.20	1,237.03	886.72	603.49	283.23	3.131	
9,100.00	7,241.41	7,229.41	7,229.41	36.93	254.17	89.83	-179.20	1,237.03	971.27	688.15	283.12	3.431	
9,200.00	7,241.24	7,229.24	7,229.24	38.11	254.17	89.81	-179.20	1,237.03	1,058.51	775.48	283.04	3.740	
9,300.00	7,241.07	7,229.07	7,229.07	39.33	254.16	89.79	-179.20	1,237.03	1,147.84	864.86	282.98	4.056	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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	
0.00	0.00	2.00	-2.00	3.28	3.28	-173.04	-198.54	-24.24	200.01				
100.00	100.00	102.00	98.00	3.28	3.76	-173.04	-198.54	-24.24	200.01	192.17	7.84	25.523	
200.00	200.00	202.00	198.00	3.31	6.31	-173.04	-198.54	-24.24	200.01	189.61	10.40	19.227 CC	
300.00	299.98	302.02	297.98	3.35	9.51	-163.67	-198.54	-24.24	201.69	188.03	13.66	14.769 ES	
400.00	399.88	402.12	397.88	3.42	12.90	-164.01	-198.54	-24.24	205.95	188.84	17.11	12.035	
500.00	499.77	502.23	497.77	3.51	16.36	-164.36	-198.54	-24.24	210.40	189.74	20.66	10.186	
600.00	599.67	602.33	597.67	3.62	19.84	-164.69	-198.54	-24.24	214.85	190.60	24.25	8.860	
700.00	699.56	702.44	697.56	3.74	23.35	-165.01	-198.54	-24.24	219.32	191.44	27.88	7.866	
800.00	799.45	802.55	797.45	3.88	26.87	-165.31	-198.54	-24.24	223.79	192.25	31.54	7.096	
900.00	899.35	902.65	897.35	4.04	30.39	-166.61	-198.54	-24.24	228.26	193.05	35.22	6.482	
1,000.00	999.24	1,002.76	997.24	4.21	33.92	-165.89	-198.54	-24.24	232.74	193.83	38.91	5.981	
1,100.00	1,099.13	1,102.87	1,097.13	4.39	37.45	-166.16	-198.54	-24.24	237.23	194.61	42.62	5.566	
1,200.00	1,199.03	1,202.97	1,197.03	4.58	40.98	-166.43	-198.54	-24.24	241.72	195.38	46.35	5.215	
1,300.00	1,298.92	1,303.08	1,296.92	4.78	44.52	-166.68	-198.54	-24.24	246.22	196.14	50.08	4.916	
1,400.00	1,398.81	1,403.19	1,396.81	4.98	48.06	-166.92	-198.54	-24.24	250.72	196.90	53.82	4.658	
1,500.00	1,498.70	1,503.30	1,496.70	5.20	51.60	-167.16	-198.54	-24.24	255.23	197.65	57.58	4.433	
1,600.00	1,598.60	1,603.40	1,596.60	5.42	55.14	-167.38	-198.54	-24.24	259.74	198.40	61.33	4.235	
1,700.00	1,698.49	1,703.51	1,696.49	5.64	58.68	-167.60	-198.54	-24.24	264.25	199.15	65.10	4.059	
1,800.00	1,798.38	1,803.62	1,796.38	5.88	62.22	-167.81	-198.54	-24.24	268.77	199.90	68.87	3.903	
1,900.00	1,898.28	1,903.72	1,896.28	6.11	65.76	-168.02	-198.54	-24.24	273.29	200.86	72.44	3.773	
2,000.00	1,998.17	2,003.83	1,996.17	6.35	69.31	-168.22	-198.54	-24.24	277.82	201.60	76.21	3.645	
2,100.00	2,098.06	2,103.94	2,096.06	6.59	72.85	-168.41	-198.54	-24.24	282.34	202.35	80.00	3.529	
2,200.00	2,197.96	2,204.04	2,195.96	6.83	76.39	-168.59	-198.54	-24.24	286.87	203.09	83.78	3.424	
2,300.00	2,297.85	2,304.15	2,295.85	7.08	79.94	-168.77	-198.54	-24.24	291.41	203.84	87.57	3.328	
2,400.00	2,397.74	2,404.26	2,395.74	7.33	83.48	-168.95	-198.54	-24.24	295.94	204.58	91.36	3.239	
2,500.00	2,497.63	2,504.37	2,495.63	7.58	87.03	-169.12	-198.54	-24.24	300.48	205.33	95.16	3.158	
2,600.00	2,597.53	2,604.47	2,595.53	7.84	90.57	-169.28	-198.54	-24.24	305.03	206.07	98.95	3.083	
2,700.00	2,697.42	2,704.58	2,695.42	8.09	94.12	-169.44	-198.54	-24.24	309.57	206.82	102.75	3.013	
2,800.00	2,797.31	2,804.69	2,795.31	8.35	97.66	-169.59	-198.54	-24.24	314.12	207.57	106.55	2.948	
2,900.00	2,897.21	2,904.79	2,895.21	8.61	101.21	-169.74	-198.54	-24.24	318.66	208.31	110.35	2.888	
3,000.00	2,997.10	3,004.90	2,995.10	8.87	104.75	-169.89	-198.54	-24.24	323.22	209.06	114.15	2.831	
3,100.00	3,096.99	3,105.01	3,094.99	9.13	108.30	-170.03	-198.54	-24.24	327.77	209.81	117.96	2.779	
3,200.00	3,196.89	3,205.11	3,194.89	9.39	111.84	-170.17	-198.54	-24.24	332.32	210.56	121.76	2.729	
3,300.00	3,296.78	3,305.22	3,294.78	9.65	115.39	-170.30	-198.54	-24.24	336.88	211.31	125.57	2.683	
3,400.00	3,396.67	3,405.33	3,394.67	9.92	118.93	-170.44	-198.54	-24.24	341.44	212.06	129.38	2.639	
3,500.00	3,496.57	3,505.43	3,494.57	10.18	122.48	-170.56	-198.54	-24.24	346.00	212.81	133.18	2.598	
3,600.00	3,596.46	3,605.54	3,594.46	10.45	126.02	-170.69	-198.54	-24.24	350.56	213.57	136.99	2.559	
3,700.00	3,696.35	3,705.65	3,694.35	10.71	129.57	-170.81	-198.54	-24.24	355.12	214.32	140.80	2.522	
3,800.00	3,796.24	3,805.76	3,794.24	10.98	133.12	-170.92	-198.54	-24.24	359.69	215.08	144.61	2.487	
3,900.00	3,896.14	3,905.86	3,894.14	11.25	136.66	-171.04	-198.54	-24.24	364.26	215.83	148.43	2.454	
4,000.00	3,996.03	4,005.97	3,994.03	11.52	140.21	-171.15	-198.54	-24.24	368.82	216.59	152.24	2.423	
4,100.00	4,095.92	4,106.08	4,093.92	11.79	143.75	-171.26	-198.54	-24.24	373.39	217.34	156.05	2.393	
4,200.00	4,195.82	4,206.18	4,193.82	12.06	147.30	-171.37	-198.54	-24.24	377.96	218.10	159.86	2.364	
4,300.00	4,295.71	4,306.29	4,293.71	12.33	150.85	-171.47	-198.54	-24.24	382.53	218.86	163.68	2.337	
4,400.00	4,395.60	4,406.40	4,393.60	12.60	154.39	-171.57	-198.54	-24.24	387.11	219.62	167.49	2.311	
4,500.00	4,495.50	4,506.50	4,493.50	12.87	157.94	-171.67	-198.54	-24.24	391.68	220.38	171.31	2.286	
4,600.00	4,595.39	4,606.61	4,593.39	13.14	161.48	-171.77	-198.54	-24.24	396.26	221.14	175.12	2.263	
4,700.00	4,695.28	4,706.72	4,693.28	13.41	165.03	-171.86	-198.54	-24.24	400.83	221.90	178.94	2.240	
4,800.00	4,795.18	4,806.82	4,793.18	13.68	168.58	-171.96	-198.54	-24.24	405.41	222.66	182.75	2.218	
4,900.00	4,895.07	4,906.93	4,893.07	13.95	172.12	-172.05	-198.54	-24.24	409.99	223.42	186.57	2.198	
5,000.00	4,994.96	5,007.04	4,992.96	14.23	175.67	-172.13	-198.54	-24.24	414.57	224.18	190.39	2.178	
5,100.00	5,094.85	5,107.15	5,092.85	14.50	179.22	-172.22	-198.54	-24.24	419.15	224.95	194.20	2.158	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-3H6 - Noble SI Well - No Surv												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-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	
5,200.00	5,194.75	5,207.25	5,192.75	14.77	182.76	-172.31	-198.54	-24.24	423.73	225.71	198.02	2.140	
5,300.00	5,294.64	5,307.36	5,292.64	15.05	186.31	-172.39	-198.54	-24.24	428.31	226.48	201.84	2.122	
5,400.00	5,394.53	5,407.47	5,392.53	15.32	189.86	-172.47	-198.54	-24.24	432.90	227.24	205.65	2.105	
5,500.00	5,494.43	5,507.57	5,492.43	15.59	193.40	-172.55	-198.54	-24.24	437.48	228.01	209.47	2.088	
5,600.00	5,594.32	5,607.68	5,592.32	15.87	196.95	-172.63	-198.54	-24.24	442.07	228.78	213.29	2.073	
5,700.00	5,694.21	5,707.79	5,692.21	16.14	200.50	-172.70	-198.54	-24.24	446.65	229.54	217.11	2.057	
5,800.00	5,794.11	5,807.89	5,792.11	16.42	204.04	-172.78	-198.54	-24.24	451.24	230.31	220.93	2.042	
5,900.00	5,894.00	5,908.00	5,892.00	16.69	207.59	-172.85	-198.54	-24.24	455.83	231.08	224.75	2.028	
6,000.00	5,993.89	6,008.11	5,991.89	16.97	211.14	-172.92	-198.54	-24.24	460.41	231.85	228.57	2.014	
6,100.00	6,093.79	6,108.22	6,091.79	17.24	214.68	-172.99	-198.54	-24.24	465.00	232.62	232.39	2.001	
6,200.00	6,193.68	6,208.32	6,191.68	17.52	218.23	-173.06	-198.54	-24.24	469.59	233.39	236.21	1.988	
6,300.00	6,293.57	6,308.43	6,291.57	17.79	221.78	-173.13	-198.54	-24.24	474.18	234.16	240.03	1.976	
6,400.00	6,393.46	6,408.54	6,391.46	18.07	225.32	-173.19	-198.54	-24.24	478.77	234.93	243.85	1.963	
6,500.00	6,493.36	6,508.64	6,491.36	18.35	228.87	-173.26	-198.54	-24.24	483.36	235.70	247.67	1.952	
6,600.00	6,593.25	6,608.75	6,591.25	18.62	232.42	-173.32	-198.54	-24.24	487.96	236.47	251.49	1.940	
6,700.00	6,692.89	6,709.11	6,690.89	18.87	235.97	106.30	-198.54	-24.24	492.24	236.95	255.29	1.928	
6,800.00	6,790.44	6,788.44	6,788.44	19.10	238.78	98.48	-198.54	-24.24	496.32	237.97	258.35	1.921	
6,900.00	6,883.50	6,881.50	6,881.50	19.32	242.08	98.78	-198.54	-24.24	501.98	240.08	261.91	1.917 SF	
7,000.00	6,969.78	6,967.78	6,967.78	19.55	245.14	101.29	-198.54	-24.24	512.11	246.85	265.26	1.931	
7,100.00	7,047.15	7,045.15	7,045.15	19.97	247.88	104.19	-198.54	-24.24	530.01	261.65	268.36	1.975	
7,200.00	7,113.71	7,111.71	7,111.71	20.55	250.23	106.32	-198.54	-24.24	558.59	287.45	271.14	2.060	
7,300.00	7,167.82	7,165.82	7,165.82	21.38	252.15	106.79	-198.54	-24.24	599.55	326.00	273.54	2.192	
7,400.00	7,208.14	7,206.14	7,206.14	22.49	253.58	104.88	-198.54	-24.24	652.88	377.41	275.46	2.370	
7,500.00	7,233.69	7,231.69	7,231.69	23.90	254.49	99.95	-198.54	-24.24	717.07	440.25	276.82	2.590	
7,600.00	7,243.83	7,241.83	7,241.83	25.55	254.84	91.54	-198.54	-24.24	789.55	512.01	277.54	2.845	
7,700.00	7,243.86	7,241.86	7,241.86	26.79	254.85	89.87	-198.54	-24.24	867.61	587.36	280.24	3.096	
7,800.00	7,243.68	7,241.68	7,241.68	26.98	254.84	89.85	-198.54	-24.24	949.78	669.54	280.24	3.389	
7,900.00	7,243.51	7,241.51	7,241.51	27.27	254.83	89.83	-198.54	-24.24	1,035.09	754.81	280.29	3.693	
8,000.00	7,243.33	7,241.33	7,241.33	27.65	254.83	89.81	-198.54	-24.24	1,122.83	842.48	280.36	4.005	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL J 29-19 - Noble SI Well - Actual										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>		100-SRC Energy_NS-GYRO-MS, 7350-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	
0.00	0.00	12.91	12.91	3.28	3.28	-128.77	-668.10	-831.96	1,067.01				
100.00	100.00	105.57	105.57	3.28	3.28	-128.76	-668.31	-832.34	1,067.47	1,060.12	7.36	145.054	
200.00	200.00	205.23	205.23	3.31	3.32	-128.76	-668.77	-833.00	1,068.28	1,060.86	7.41	144.070	
300.00	299.98	303.57	303.56	3.35	3.38	-119.32	-669.44	-833.61	1,070.05	1,062.52	7.52	142.249	
400.00	399.88	408.52	408.51	3.42	3.47	-119.54	-670.19	-834.00	1,072.96	1,065.28	7.68	139.667	
500.00	499.77	505.29	505.28	3.51	3.58	-119.77	-671.01	-834.20	1,075.95	1,068.07	7.88	136.578	
600.00	599.67	609.21	609.19	3.62	3.72	-120.02	-671.84	-834.33	1,078.86	1,070.73	8.12	132.799	
700.00	699.56	706.06	706.03	3.74	3.87	-120.26	-672.69	-834.37	1,081.77	1,073.37	8.40	128.814	
800.00	799.45	806.56	806.53	3.88	4.04	-120.51	-673.71	-834.40	1,084.79	1,076.07	8.71	124.510	
900.00	899.35	909.41	909.38	4.04	4.23	-120.77	-674.67	-834.26	1,087.65	1,078.59	9.06	120.095	
1,000.00	999.24	1,010.61	1,010.57	4.21	4.42	-121.03	-675.50	-833.97	1,090.33	1,080.92	9.42	115.805	
1,100.00	1,099.13	1,110.57	1,110.53	4.39	4.61	-121.27	-676.23	-833.63	1,092.94	1,083.15	9.79	111.609	
1,200.00	1,199.03	1,205.13	1,205.09	4.58	4.82	-121.51	-677.18	-833.41	1,095.84	1,085.65	10.19	107.551	
1,300.00	1,298.92	1,302.72	1,302.67	4.78	5.05	-121.76	-678.34	-833.48	1,099.10	1,088.48	10.62	103.468	
1,400.00	1,398.81	1,402.53	1,402.47	4.98	5.30	-122.00	-679.47	-833.73	1,102.48	1,091.40	11.08	99.501	
1,500.00	1,498.70	1,503.57	1,503.51	5.20	5.57	-122.24	-680.66	-833.87	1,105.83	1,094.27	11.55	95.704	
1,600.00	1,598.60	1,601.19	1,601.12	5.42	5.82	-122.49	-681.92	-833.96	1,109.24	1,097.21	12.03	92.184	
1,700.00	1,698.49	1,701.12	1,701.04	5.64	6.10	-122.73	-683.25	-834.16	1,112.77	1,100.24	12.53	88.817	
1,800.00	1,798.38	1,807.07	1,806.98	5.88	6.38	-122.97	-684.10	-834.46	1,116.04	1,103.00	13.04	85.591	
1,900.00	1,898.28	1,905.31	1,905.23	6.11	6.62	-123.16	-684.49	-834.88	1,119.15	1,105.84	13.31	84.087	
2,000.00	1,998.17	2,004.60	2,004.51	6.35	6.85	-123.35	-684.81	-835.47	1,122.34	1,108.56	13.78	81.456	
2,100.00	2,098.06	2,103.27	2,103.17	6.59	7.06	-123.53	-685.06	-836.24	1,125.63	1,111.40	14.23	79.090	
2,200.00	2,197.96	2,199.77	2,199.67	6.83	7.28	-123.69	-685.35	-837.21	1,129.13	1,114.44	14.69	76.866	
2,300.00	2,297.85	2,302.87	2,302.76	7.08	7.50	-123.86	-685.56	-838.36	1,132.66	1,117.50	15.16	74.732	
2,400.00	2,397.74	2,410.02	2,409.91	7.33	7.67	-124.03	-685.33	-839.29	1,135.72	1,120.14	15.58	72.899	
2,500.00	2,497.63	2,511.00	2,510.88	7.58	7.78	-124.19	-684.89	-839.89	1,138.44	1,122.50	15.94	71.407	
2,600.00	2,597.53	2,609.95	2,609.83	7.84	7.90	-124.33	-684.25	-840.64	1,141.15	1,124.83	16.31	69.951	
2,700.00	2,697.42	2,707.01	2,706.88	8.09	8.04	-124.46	-683.65	-841.58	1,144.03	1,127.32	16.71	68.455	
2,800.00	2,797.31	2,804.57	2,804.43	8.35	8.22	-124.59	-683.16	-842.73	1,147.15	1,130.01	17.14	66.915	
2,900.00	2,897.21	2,900.95	2,900.80	8.61	8.42	-124.70	-682.74	-844.16	1,150.54	1,132.94	17.60	65.379	
3,000.00	2,997.10	2,998.37	2,998.21	8.87	8.64	-124.82	-682.48	-845.79	1,154.19	1,136.11	18.08	63.844	
3,100.00	3,096.99	3,096.72	3,096.54	9.13	8.87	-124.94	-682.25	-847.64	1,158.02	1,139.45	18.57	62.352	
3,200.00	3,196.89	3,194.59	3,194.39	9.39	9.12	-125.04	-682.11	-849.62	1,162.00	1,142.93	19.08	60.912	
3,300.00	3,296.78	3,288.49	3,288.27	9.65	9.37	-125.16	-682.30	-851.62	1,166.33	1,146.74	19.59	59.539	
3,400.00	3,396.67	3,384.09	3,383.85	9.92	9.64	-125.29	-683.09	-853.70	1,171.12	1,150.99	20.13	58.191	
3,500.00	3,496.57	3,473.40	3,473.12	10.18	9.91	-125.43	-684.40	-855.78	1,176.49	1,155.84	20.65	56.974	
3,600.00	3,596.46	3,575.76	3,575.41	10.45	10.21	-125.54	-685.72	-859.17	1,182.43	1,161.21	21.22	55.731	
3,700.00	3,696.35	3,679.23	3,678.83	10.71	10.51	-125.66	-686.67	-862.26	1,187.88	1,166.10	21.79	54.524	
3,800.00	3,796.24	3,777.26	3,776.82	10.98	10.80	-125.78	-687.77	-864.91	1,193.28	1,170.93	22.34	53.405	
3,900.00	3,896.14	3,879.31	3,878.83	11.25	11.11	-125.95	-689.57	-867.09	1,198.74	1,175.82	22.92	52.296 SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 Offsets Incomplete (Need 2 Directionals) - UPV 29-1H6 - Noble PR Well - No Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-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	7,243.16	7,215.16	7,215.16	28.12	253.90	90.46	60.21	2,238.06	1,192.48	912.49	279.99	4.259	
8,200.00	7,242.98	7,214.98	7,214.98	28.68	253.89	90.42	60.21	2,238.06	1,094.99	814.84	280.15	3.909	
8,300.00	7,242.81	7,214.81	7,214.81	29.33	253.89	90.38	60.21	2,238.06	997.99	717.65	280.34	3.560	
8,400.00	7,242.63	7,214.63	7,214.63	30.06	253.88	90.34	60.21	2,238.06	901.64	621.07	280.57	3.214	
8,500.00	7,242.46	7,214.46	7,214.46	30.86	253.88	90.30	60.21	2,238.06	806.18	525.30	280.88	2.870	
8,600.00	7,242.29	7,214.29	7,214.29	31.73	253.87	90.26	60.21	2,238.06	711.97	430.68	281.30	2.531	
8,700.00	7,242.11	7,214.11	7,214.11	32.66	253.86	90.22	60.21	2,238.06	619.59	337.70	281.89	2.198	
8,800.00	7,241.94	7,213.94	7,213.94	33.66	253.86	90.18	60.21	2,238.06	529.97	247.21	282.76	1.874	
8,900.00	7,241.76	7,213.76	7,213.76	34.70	253.85	90.14	60.21	2,238.06	444.79	160.71	284.09	1.566	
9,000.00	7,241.59	7,213.59	7,213.59	35.80	253.84	90.10	60.21	2,238.06	367.18	81.04	286.13	1.283	Level 3
9,100.00	7,241.41	7,213.41	7,213.41	36.93	253.84	90.06	60.21	2,238.06	302.98	13.92	289.06	1.048	Level 2
9,200.00	7,241.24	7,213.24	7,213.24	38.11	253.83	90.03	60.21	2,238.06	262.25	-29.92	292.17	0.898	Level 1
9,265.11	7,241.13	7,213.13	7,213.13	38.90	253.83	90.00	60.21	2,238.06	254.04	-39.24	293.27	0.866	Level 1, CC, ES, SF
9,300.00	7,241.07	7,213.07	7,213.07	39.33	253.83	89.99	60.21	2,238.06	256.42	-36.89	293.31	0.874	Level 1
9,400.00	7,240.89	7,212.89	7,212.89	40.57	253.82	89.95	60.21	2,238.06	287.63	-4.03	291.66	0.986	Level 1
9,500.00	7,240.72	7,212.72	7,212.72	41.85	253.81	89.91	60.21	2,238.06	345.99	56.88	289.10	1.197	Level 2
9,600.00	7,240.54	7,212.54	7,212.54	43.15	253.81	89.87	60.21	2,238.06	420.34	133.33	287.01	1.465	Level 3
9,700.00	7,240.37	7,212.37	7,212.37	44.48	253.80	89.83	60.21	2,238.06	503.65	218.10	285.55	1.764	
9,800.00	7,240.19	7,212.19	7,212.19	45.83	253.79	89.79	60.21	2,238.06	592.15	307.57	284.58	2.081	
9,900.00	7,240.02	7,212.02	7,212.02	47.21	253.79	89.75	60.21	2,238.06	683.82	399.90	283.93	2.408	
10,000.00	7,239.84	7,211.84	7,211.84	48.60	253.78	89.71	60.21	2,238.06	777.55	494.07	283.49	2.743	
10,100.00	7,239.67	7,211.67	7,211.67	50.00	253.78	89.67	60.21	2,238.06	872.68	589.49	283.19	3.082	
10,200.00	7,239.50	7,211.50	7,211.50	51.43	253.77	89.63	60.21	2,238.06	968.79	685.80	282.98	3.423	
10,300.00	7,239.32	7,211.32	7,211.32	52.87	253.76	89.59	60.21	2,238.06	1,065.61	782.76	282.85	3.767	
10,400.00	7,239.15	7,211.15	7,211.15	54.32	253.76	89.55	60.21	2,238.06	1,162.97	880.21	282.76	4.113	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 Offsets Incomplete (Need 2 Directionals) - UPV 29-2H6 - Noble SI Well - No Surveys												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,200.00	7,113.71	7,088.71	7,088.71	20.55	249.42	41.12	-213.08	1,279.66	1,198.68	928.56	270.13	4.437	
7,300.00	7,167.82	7,142.82	7,142.82	21.38	251.34	49.77	-213.08	1,279.66	1,124.91	852.48	272.44	4.129	
7,400.00	7,208.14	7,183.14	7,183.14	22.49	252.77	61.37	-213.08	1,279.66	1,045.93	771.54	274.39	3.812	
7,500.00	7,233.69	7,208.69	7,208.69	23.90	253.67	74.97	-213.08	1,279.66	964.41	688.38	276.03	3.494	
7,600.00	7,243.83	7,218.83	7,218.83	25.55	254.03	88.23	-213.08	1,279.66	883.26	605.84	277.42	3.184	
7,700.00	7,243.86	7,218.86	7,218.86	26.79	254.03	90.11	-213.08	1,279.66	805.43	524.60	280.83	2.868	
7,800.00	7,243.68	7,218.68	7,218.68	26.98	254.02	90.10	-213.08	1,279.66	732.99	451.85	281.14	2.607	
7,900.00	7,243.51	7,218.51	7,218.51	27.27	254.02	90.08	-213.08	1,279.66	667.70	386.16	281.54	2.372	
8,000.00	7,243.33	7,218.33	7,218.33	27.65	254.01	90.06	-213.08	1,279.66	611.86	329.81	282.05	2.169	
8,100.00	7,243.16	7,218.16	7,218.16	28.12	254.01	90.04	-213.08	1,279.66	568.27	285.62	282.64	2.011	
8,200.00	7,242.98	7,217.98	7,217.98	28.68	254.00	90.02	-213.08	1,279.66	539.89	256.63	283.26	1.906	
8,300.00	7,242.81	7,217.81	7,217.81	29.33	253.99	90.00	-213.08	1,279.66	529.19	245.38	283.80	1.865	
8,307.23	7,242.80	7,217.80	7,217.80	29.38	253.99	90.00	-213.08	1,279.66	529.14	245.30	283.84	1.864	CC, ES, SF
8,400.00	7,242.63	7,217.63	7,217.63	30.06	253.99	89.98	-213.08	1,279.66	537.21	253.05	284.16	1.891	
8,500.00	7,242.46	7,217.46	7,217.46	30.86	253.98	89.96	-213.08	1,279.66	563.16	278.87	284.29	1.981	
8,600.00	7,242.29	7,217.29	7,217.29	31.73	253.98	89.94	-213.08	1,279.66	604.73	320.48	284.25	2.127	
8,700.00	7,242.11	7,217.11	7,217.11	32.66	253.97	89.93	-213.08	1,279.66	658.98	374.87	284.10	2.320	
8,800.00	7,241.94	7,216.94	7,216.94	33.66	253.96	89.91	-213.08	1,279.66	723.05	439.14	283.92	2.547	
8,900.00	7,241.76	7,216.76	7,216.76	34.70	253.96	89.89	-213.08	1,279.66	794.58	510.85	283.73	2.800	
9,000.00	7,241.59	7,216.59	7,216.59	35.80	253.95	89.87	-213.08	1,279.66	871.73	588.16	283.57	3.074	
9,100.00	7,241.41	7,216.41	7,216.41	36.93	253.94	89.85	-213.08	1,279.66	953.13	669.70	283.43	3.363	
9,200.00	7,241.24	7,216.24	7,216.24	38.11	253.94	89.83	-213.08	1,279.66	1,037.80	754.47	283.32	3.663	
9,300.00	7,241.07	7,216.07	7,216.07	39.33	253.93	89.81	-213.08	1,279.66	1,124.98	841.74	283.24	3.972	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1C-27-XR - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7728-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	179.60	-40.07	0.28	40.07					
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-40.07	0.28	40.07	32.54	7.53	5.322		
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-40.07	0.28	40.07	32.50	7.57	5.290	CC	
300.00	299.98	300.39	299.61	3.35	3.34	-170.44	-40.79	-0.33	42.52	34.86	7.66	5.552		
400.00	399.88	400.52	399.47	3.42	3.40	-170.44	-41.66	-1.06	47.76	39.98	7.79	6.134		
500.00	499.77	500.67	499.31	3.51	3.48	-170.48	-42.53	-1.79	53.19	45.24	7.95	6.687		
600.00	599.67	600.82	599.16	3.62	3.58	-170.52	-43.40	-2.51	58.62	50.46	8.16	7.184		
700.00	699.56	700.97	699.00	3.74	3.70	-170.55	-44.26	-3.24	64.05	55.64	8.40	7.623		
800.00	799.45	801.11	798.85	3.88	3.83	-170.57	-45.13	-3.97	69.47	60.80	8.68	8.008		
900.00	899.35	901.26	898.70	4.04	3.98	-170.59	-46.00	-4.70	74.90	65.92	8.98	8.342		
1,000.00	999.24	1,001.41	998.54	4.21	4.14	-170.61	-46.87	-5.43	80.33	71.02	9.31	8.631		
1,100.00	1,099.13	1,101.56	1,098.39	4.39	4.32	-170.63	-47.73	-6.15	85.76	76.10	9.66	8.879		
1,200.00	1,199.03	1,201.70	1,198.23	4.58	4.50	-170.64	-48.60	-6.88	91.19	81.16	10.03	9.091		
1,300.00	1,298.92	1,301.85	1,298.08	4.78	4.69	-170.65	-49.47	-7.61	96.61	86.19	10.42	9.272		
1,400.00	1,398.81	1,402.00	1,397.93	4.98	4.90	-170.66	-50.34	-8.34	102.04	91.22	10.83	9.426		
1,500.00	1,498.70	1,502.15	1,497.77	5.20	5.10	-170.67	-51.21	-9.07	107.47	96.23	11.25	9.557		
1,600.00	1,598.60	1,602.29	1,597.62	5.42	5.32	-170.68	-52.07	-9.80	112.90	101.22	11.68	9.669		
1,700.00	1,698.49	1,702.44	1,697.47	5.64	5.54	-170.69	-52.94	-10.52	118.33	106.21	12.12	9.764		
1,800.00	1,798.38	1,802.59	1,797.31	5.88	5.76	-170.70	-53.81	-11.25	123.76	111.36	12.40	9.981		
1,900.00	1,898.28	1,902.73	1,897.16	6.11	5.99	-170.70	-54.68	-11.98	129.18	116.53	12.65	10.211		
2,000.00	1,998.17	2,002.88	1,997.00	6.35	6.23	-170.71	-55.54	-12.71	134.61	121.49	13.12	10.261		
2,100.00	2,098.06	2,103.03	2,096.85	6.59	6.46	-170.71	-56.41	-13.44	140.04	126.45	13.59	10.302		
2,200.00	2,197.96	2,203.18	2,196.70	6.83	6.70	-170.72	-57.28	-14.16	145.47	131.39	14.07	10.335		
2,300.00	2,297.85	2,303.32	2,296.54	7.08	6.95	-170.72	-58.15	-14.89	150.90	136.33	14.56	10.363		
2,400.00	2,397.74	2,403.47	2,396.39	7.33	7.19	-170.73	-59.02	-15.62	156.32	141.27	15.05	10.386		
2,500.00	2,497.63	2,503.62	2,496.23	7.58	7.44	-170.73	-59.88	-16.35	161.75	146.20	15.55	10.404		
2,600.00	2,597.53	2,603.77	2,596.08	7.84	7.69	-170.74	-60.75	-17.08	167.18	151.13	16.05	10.418		
2,700.00	2,697.42	2,703.91	2,695.93	8.09	7.94	-170.74	-61.62	-17.80	172.61	156.06	16.55	10.429		
2,800.00	2,797.31	2,804.06	2,795.77	8.35	8.19	-170.74	-62.49	-18.53	178.04	160.98	17.06	10.438		
2,900.00	2,897.21	2,904.21	2,895.62	8.61	8.45	-170.75	-63.35	-19.26	183.46	165.90	17.57	10.444		
3,000.00	2,997.10	3,004.36	2,995.47	8.87	8.70	-170.75	-64.22	-19.99	188.89	170.81	18.08	10.449		
3,100.00	3,096.99	3,104.50	3,095.31	9.13	8.96	-170.75	-65.09	-20.72	194.32	175.73	18.59	10.452		
3,200.00	3,196.89	3,204.65	3,195.16	9.39	9.22	-170.76	-65.96	-21.45	199.75	180.64	19.11	10.453		
3,300.00	3,296.78	3,304.80	3,295.00	9.65	9.48	-170.76	-66.83	-22.17	205.18	185.55	19.63	10.453		
3,400.00	3,396.67	3,404.95	3,394.85	9.92	9.74	-170.76	-67.69	-22.90	210.61	190.46	20.15	10.453		
3,500.00	3,496.57	3,505.09	3,494.70	10.18	10.00	-170.76	-68.56	-23.63	216.03	195.36	20.67	10.451		
3,600.00	3,596.46	3,605.24	3,594.54	10.45	10.26	-170.77	-69.43	-24.36	221.46	200.27	21.20	10.448		
3,700.00	3,696.35	3,705.39	3,694.39	10.71	10.52	-170.77	-70.30	-25.09	226.89	205.17	21.72	10.445		
3,800.00	3,796.24	3,805.54	3,794.23	10.98	10.78	-170.77	-71.16	-25.81	232.32	210.07	22.25	10.442		
3,900.00	3,896.14	3,905.68	3,894.08	11.25	11.05	-170.77	-72.03	-26.54	237.75	214.97	22.78	10.438		
4,000.00	3,996.03	4,005.83	3,993.93	11.52	11.31	-170.77	-72.90	-27.27	243.17	219.87	23.31	10.434		
4,100.00	4,095.92	4,105.98	4,093.77	11.79	11.58	-170.78	-73.77	-28.00	248.60	224.76	23.84	10.429		
4,200.00	4,195.82	4,206.13	4,193.62	12.06	11.84	-170.78	-74.64	-28.73	254.03	229.66	24.37	10.424		
4,300.00	4,295.71	4,306.27	4,293.46	12.33	12.11	-170.78	-75.50	-29.45	259.46	234.56	24.90	10.419		
4,400.00	4,395.60	4,406.42	4,393.31	12.60	12.38	-170.78	-76.37	-30.18	264.89	239.45	25.44	10.414		
4,500.00	4,495.50	4,506.57	4,493.16	12.87	12.64	-170.78	-77.24	-30.91	270.31	244.34	25.97	10.408		
4,600.00	4,595.39	4,606.72	4,593.00	13.14	12.91	-170.78	-78.11	-31.64	275.74	249.24	26.51	10.403		
4,700.00	4,695.28	4,706.86	4,692.85	13.41	13.18	-170.79	-78.97	-32.37	281.17	254.13	27.04	10.397		
4,800.00	4,795.18	4,807.01	4,792.70	13.68	13.45	-170.79	-79.84	-33.10	286.60	259.02	27.58	10.392		
4,900.00	4,895.07	4,907.16	4,892.54	13.95	13.72	-170.79	-80.71	-33.82	292.03	263.91	28.12	10.386		
5,000.00	4,994.96	5,007.31	4,992.39	14.23	13.99	-170.79	-81.58	-34.55	297.46	268.80	28.66	10.380		
5,100.00	5,094.85	5,107.45	5,092.23	14.50	14.26	-170.79	-82.44	-35.28	302.88	273.69	29.19	10.375		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1C-27-XR - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7728-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	5,194.75	5,192.40	5,192.08	14.77	14.48	-170.79	-83.31	-36.01	308.31	278.62	29.69	10.383		
5,300.00	5,294.64	5,307.75	5,291.93	15.05	14.79	-170.79	-84.18	-36.74	313.74	283.47	30.27	10.363		
5,400.00	5,394.53	5,407.90	5,391.77	15.32	15.06	-170.79	-85.05	-37.46	319.17	288.35	30.81	10.358		
5,500.00	5,494.43	5,508.04	5,491.62	15.59	15.33	-170.79	-85.92	-38.19	324.60	293.24	31.36	10.352		
5,600.00	5,594.32	5,608.19	5,591.46	15.87	15.61	-170.80	-86.78	-38.92	330.02	298.13	31.90	10.346		
5,700.00	5,694.21	5,708.34	5,691.31	16.14	15.88	-170.80	-87.65	-39.65	335.45	303.01	32.44	10.341		
5,800.00	5,794.11	5,808.48	5,791.16	16.42	16.15	-170.80	-88.52	-40.38	340.88	307.90	32.98	10.336		
5,900.00	5,894.00	5,908.63	5,891.00	16.69	16.42	-170.80	-89.39	-41.10	346.31	312.78	33.52	10.330		
6,000.00	5,993.89	6,008.78	5,990.85	16.97	16.69	-170.80	-90.25	-41.83	351.74	317.67	34.07	10.325		
6,100.00	6,093.79	6,108.93	6,090.70	17.24	16.96	-170.80	-91.12	-42.56	357.16	322.55	34.61	10.319		
6,200.00	6,193.68	6,209.07	6,190.54	17.52	17.23	-170.80	-91.99	-43.29	362.59	327.44	35.15	10.314		
6,300.00	6,293.57	6,309.22	6,290.39	17.79	17.51	-170.80	-92.86	-44.02	368.02	332.32	35.70	10.309		
6,400.00	6,393.46	6,409.37	6,390.23	18.07	17.78	-170.80	-93.73	-44.75	373.45	337.21	36.24	10.304		
6,500.00	6,493.36	6,509.52	6,490.08	18.35	18.05	-170.80	-94.59	-45.47	378.88	342.09	36.79	10.299		
6,600.00	6,593.25	6,609.66	6,589.93	18.62	18.32	-170.80	-95.46	-46.20	384.31	346.97	37.33	10.294		
6,700.00	6,692.89	6,689.89	6,689.48	18.87	18.54	108.98	-96.33	-46.93	389.72	351.93	37.80	10.310		
6,800.00	6,790.44	6,790.03	6,789.50	19.10	18.78	101.26	-97.17	-44.04	395.58	357.30	38.28	10.333		
6,900.00	6,883.50	6,893.74	6,891.41	19.32	19.00	100.41	-97.94	-25.42	401.95	363.20	38.75	10.373		
7,000.00	6,969.78	7,000.92	6,992.10	19.55	19.23	101.03	-98.58	10.93	408.54	369.30	39.24	10.410		
7,100.00	7,047.15	7,111.70	7,088.24	19.97	19.47	102.09	-99.07	65.67	415.02	375.18	39.84	10.418		
7,200.00	7,113.71	7,226.02	7,175.98	20.55	19.82	103.22	-99.38	138.73	420.99	380.32	40.67	10.351		
7,300.00	7,167.82	7,343.63	7,251.12	21.38	20.47	104.27	-99.47	228.99	426.05	384.10	41.95	10.156		
7,400.00	7,208.14	7,464.06	7,309.54	22.49	21.55	105.11	-99.32	334.09	429.82	385.91	43.91	9.789		
7,500.00	7,233.69	7,586.55	7,347.61	23.90	23.13	105.69	-98.93	450.32	432.00	385.34	46.66	9.259		
7,600.00	7,243.83	7,710.17	7,362.79	25.55	25.13	105.97	-98.30	572.81	432.37	382.23	50.14	8.623		
7,700.00	7,243.86	7,813.51	7,362.91	26.79	26.18	106.01	-97.66	676.15	431.62	379.43	52.19	8.271		
7,800.00	7,243.68	7,913.51	7,362.80	26.98	26.39	106.05	-97.03	776.14	430.85	378.29	52.56	8.197		
7,900.00	7,243.51	8,013.51	7,362.69	27.27	26.69	106.09	-96.41	876.14	430.09	376.95	53.14	8.094		
8,000.00	7,243.33	8,113.50	7,362.57	27.65	27.10	106.13	-95.79	976.13	429.33	375.42	53.91	7.964		
8,100.00	7,243.16	8,213.50	7,362.46	28.12	27.60	106.17	-95.17	1,076.13	428.57	373.71	54.86	7.812		
8,200.00	7,242.98	8,313.50	7,362.35	28.68	28.19	106.20	-94.54	1,176.12	427.81	371.82	55.99	7.641		
8,300.00	7,242.81	8,413.49	7,362.24	29.33	28.87	106.24	-93.92	1,276.12	427.04	369.77	57.28	7.456		
8,400.00	7,242.63	8,513.49	7,362.13	30.06	29.63	106.28	-93.30	1,376.11	426.28	367.56	58.72	7.259		
8,500.00	7,242.46	8,613.49	7,362.02	30.86	30.46	106.32	-92.68	1,476.11	425.52	365.21	60.31	7.056		
8,600.00	7,242.29	8,713.48	7,361.91	31.73	31.35	106.36	-92.05	1,576.10	424.76	362.74	62.02	6.848		
8,700.00	7,242.11	8,813.48	7,361.80	32.66	32.31	106.40	-91.43	1,676.10	424.00	360.14	63.86	6.639		
8,800.00	7,241.94	8,913.48	7,361.69	33.66	33.32	106.44	-90.81	1,776.09	423.24	357.43	65.81	6.431		
8,900.00	7,241.76	9,013.47	7,361.58	34.70	34.39	106.48	-90.19	1,876.08	422.48	354.63	67.85	6.226		
9,000.00	7,241.59	9,113.47	7,361.46	35.80	35.50	106.52	-89.56	1,976.08	421.72	351.73	69.99	6.025		
9,100.00	7,241.41	9,213.47	7,361.35	36.93	36.66	106.56	-88.94	2,076.07	420.96	348.75	72.21	5.830		
9,200.00	7,241.24	9,313.46	7,361.24	38.11	37.85	106.60	-88.32	2,176.07	420.20	345.69	74.51	5.640		
9,300.00	7,241.07	9,413.46	7,361.13	39.33	39.08	106.63	-87.70	2,276.06	419.44	342.57	76.87	5.456		
9,400.00	7,240.89	9,513.46	7,361.02	40.57	40.34	106.68	-87.07	2,376.06	418.68	339.39	79.30	5.280		
9,500.00	7,240.72	9,613.46	7,360.91	41.85	41.63	106.72	-86.45	2,476.05	417.92	336.14	81.78	5.110		
9,600.00	7,240.54	9,713.45	7,360.80	43.15	42.94	106.76	-85.83	2,576.05	417.16	332.85	84.31	4.948		
9,700.00	7,240.37	9,813.45	7,360.69	44.48	44.28	106.80	-85.21	2,676.04	416.40	329.51	86.89	4.792		
9,800.00	7,240.19	9,913.45	7,360.58	45.83	45.64	106.84	-84.59	2,776.04	415.65	326.13	89.51	4.643		
9,900.00	7,240.02	10,013.44	7,360.46	47.21	47.02	106.88	-83.96	2,876.03	414.89	322.71	92.17	4.501		
10,000.00	7,239.84	10,113.44	7,360.35	48.60	48.42	106.92	-83.34	2,976.03	414.13	319.26	94.87	4.365		
10,100.00	7,239.67	10,213.44	7,360.24	50.00	49.84	106.96	-82.72	3,076.02	413.37	315.77	97.60	4.235		
10,200.00	7,239.50	10,313.43	7,360.13	51.43	51.27	107.00	-82.10	3,176.02	412.61	312.26	100.36	4.112		
10,300.00	7,239.32	10,413.43	7,360.02	52.87	52.72	107.04	-81.47	3,276.01	411.86	308.72	103.14	3.993		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1C-27-XR - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7728-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	7,239.15	10,513.43	7,359.91	54.32	54.18	107.08	-80.85	3,376.00	411.10	305.15	105.95	3.880	
10,500.00	7,238.97	10,613.42	7,359.80	55.78	55.65	107.13	-80.23	3,476.00	410.34	301.56	108.78	3.772	
10,600.00	7,238.80	10,713.42	7,359.69	57.26	57.13	107.17	-79.61	3,575.99	409.59	297.95	111.63	3.669	
10,700.00	7,238.62	10,815.55	7,359.57	58.75	58.65	107.21	-78.93	3,678.13	408.79	294.26	114.53	3.569	
10,800.00	7,238.45	10,918.08	7,359.46	60.24	60.19	107.30	-77.12	3,780.64	406.94	289.51	117.43	3.465	
10,900.00	7,238.27	11,018.06	7,359.35	61.75	61.69	107.40	-75.30	3,880.60	405.04	284.73	120.31	3.367	
11,000.00	7,238.10	11,118.04	7,359.24	63.26	63.21	107.49	-73.48	3,980.56	403.14	279.93	123.21	3.272	
11,100.00	7,237.93	11,218.02	7,359.13	64.78	64.74	107.59	-71.66	4,080.53	401.24	275.13	126.12	3.182	
11,200.00	7,237.75	11,318.00	7,359.01	66.31	66.27	107.68	-69.83	4,180.49	399.35	270.31	129.04	3.095	
11,300.00	7,237.58	11,417.98	7,358.90	67.85	67.80	107.78	-68.01	4,280.45	397.45	265.49	131.97	3.012	
11,400.00	7,237.40	11,517.96	7,358.79	69.39	69.35	107.88	-66.19	4,380.42	395.56	260.65	134.90	2.932	
11,500.00	7,237.23	11,617.94	7,358.68	70.94	70.90	107.98	-64.37	4,480.38	393.66	255.81	137.85	2.856	
11,600.00	7,237.05	11,717.92	7,358.57	72.49	72.45	108.08	-62.55	4,580.34	391.77	250.97	140.80	2.782	
11,700.00	7,236.88	11,817.90	7,358.46	74.05	74.01	108.18	-60.73	4,680.31	389.88	246.11	143.76	2.712	
11,800.00	7,236.70	11,917.88	7,358.35	75.61	75.58	108.28	-58.90	4,780.27	387.99	241.26	146.73	2.644	
11,900.00	7,236.53	12,017.86	7,358.24	77.18	77.15	108.38	-57.08	4,880.23	386.10	236.39	149.70	2.579	
12,000.00	7,236.36	12,117.84	7,358.13	78.75	78.72	108.48	-55.26	4,980.19	384.21	231.53	152.68	2.516	
12,100.00	7,236.18	12,217.82	7,358.02	80.33	80.30	108.59	-53.44	5,080.16	382.32	226.66	155.66	2.456	
12,200.00	7,236.01	12,317.80	7,357.90	81.91	81.88	108.69	-51.62	5,180.12	380.44	221.79	158.65	2.398	
12,300.00	7,235.83	12,417.78	7,357.79	83.49	83.46	108.80	-49.80	5,280.08	378.55	216.92	161.63	2.342	
12,400.00	7,235.66	12,517.76	7,357.68	85.08	85.05	108.91	-47.97	5,380.05	376.67	212.05	164.63	2.288	
12,500.00	7,235.48	12,617.74	7,357.57	86.67	86.64	109.02	-46.15	5,480.01	374.79	207.17	167.62	2.236	
12,600.00	7,235.31	12,717.72	7,357.46	88.26	88.23	109.13	-44.33	5,579.97	372.91	202.30	170.61	2.186	
12,700.00	7,235.14	12,817.70	7,357.35	89.86	89.83	109.24	-42.51	5,679.94	371.03	197.42	173.61	2.137	
12,800.00	7,234.96	12,917.68	7,357.24	91.45	91.43	109.35	-40.69	5,779.90	369.15	192.54	176.61	2.090	
12,900.00	7,234.79	13,017.66	7,357.13	93.06	93.03	109.46	-38.87	5,879.86	367.28	187.67	179.61	2.045	
13,000.00	7,234.61	13,117.63	7,357.02	94.66	94.63	109.58	-37.04	5,979.83	365.40	182.80	182.61	2.001	
13,100.00	7,234.44	13,217.61	7,356.90	96.26	96.24	109.69	-35.22	6,079.79	363.53	177.92	185.61	1.959	
13,200.00	7,234.26	13,317.59	7,356.79	97.87	97.84	109.81	-33.40	6,179.75	361.66	173.05	188.60	1.918	
13,300.00	7,234.09	13,417.57	7,356.68	99.48	99.45	109.93	-31.58	6,279.71	359.79	168.19	191.60	1.878	
13,400.00	7,233.91	13,515.76	7,356.57	101.10	101.04	110.04	-29.83	6,377.88	357.96	163.38	194.58	1.840	
13,446.54	7,233.83	13,557.41	7,356.53	101.85	101.71	110.06	-29.60	6,419.54	357.65	161.72	195.92	1.825	
13,500.00	7,233.74	13,606.31	7,356.47	102.71	102.50	110.05	-30.08	6,468.43	358.05	160.57	197.48	1.813	
13,600.00	7,233.57	13,706.30	7,356.36	104.33	104.12	109.98	-31.60	6,568.41	359.33	158.68	200.64	1.791	
13,700.00	7,233.39	13,806.29	7,356.25	105.94	105.74	109.92	-33.12	6,668.39	360.60	156.80	203.81	1.769	
13,800.00	7,233.22	13,906.28	7,356.14	107.56	107.36	109.86	-34.65	6,768.37	361.88	154.90	206.97	1.748	
13,900.00	7,233.04	14,006.27	7,356.03	109.18	108.98	109.80	-36.17	6,868.35	363.15	153.01	210.14	1.728	
14,000.00	7,232.87	14,106.26	7,355.92	110.81	110.61	109.73	-37.69	6,968.33	364.43	151.11	213.32	1.708	
14,100.00	7,232.69	14,206.25	7,355.81	112.43	112.23	109.67	-39.21	7,068.30	365.71	149.21	216.50	1.689	
14,200.00	7,232.52	14,306.24	7,355.70	114.06	113.86	109.61	-40.74	7,168.28	366.99	147.31	219.68	1.671	
14,300.00	7,232.34	14,406.24	7,355.59	115.68	115.49	109.55	-42.26	7,268.26	368.26	145.40	222.87	1.652	
14,400.00	7,232.17	14,506.23	7,355.47	117.31	117.12	109.49	-43.78	7,368.24	369.54	143.49	226.06	1.635	
14,500.00	7,232.00	14,606.22	7,355.36	118.94	118.75	109.43	-45.31	7,468.22	370.82	141.57	229.25	1.618	
14,600.00	7,231.82	14,706.21	7,355.25	120.57	120.38	109.37	-46.83	7,568.20	372.10	139.65	232.45	1.601	
14,700.00	7,231.65	14,806.20	7,355.14	122.20	122.02	109.31	-48.35	7,668.18	373.38	137.74	235.65	1.585	
14,800.00	7,231.47	14,906.19	7,355.03	123.83	123.65	109.26	-49.87	7,768.16	374.66	135.81	238.85	1.569	
14,900.00	7,231.30	15,006.18	7,354.92	125.47	125.29	109.20	-51.40	7,868.14	375.94	133.89	242.05	1.553	
15,000.00	7,231.12	15,106.17	7,354.81	127.10	126.92	109.14	-52.92	7,968.12	377.22	131.96	245.26	1.538	
15,100.00	7,230.95	15,206.16	7,354.70	128.74	128.56	109.08	-54.44	8,068.10	378.50	130.03	248.47	1.523	
15,200.00	7,230.77	15,306.16	7,354.59	130.38	130.20	109.03	-55.97	8,168.08	379.78	128.10	251.69	1.509	
15,300.00	7,230.60	15,406.15	7,354.48	132.01	131.84	108.97	-57.49	8,268.06	381.07	126.17	254.90	1.495 Level 3	
15,400.00	7,230.43	15,506.14	7,354.37	133.65	133.48	108.91	-59.01	8,368.04	382.35	124.23	258.12	1.481 Level 3	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1C-27-XR - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7728-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	7,230.25	15,606.13	7,354.26	135.29	135.12	108.86	-60.53	8,468.02	383.63	122.29	261.34	1.468	Level 3
15,600.00	7,230.08	15,706.12	7,354.14	136.93	136.76	108.80	-62.06	8,568.00	384.91	120.35	264.56	1.455	Level 3
15,700.00	7,229.90	15,806.11	7,354.03	138.57	138.40	108.75	-63.58	8,667.98	386.20	118.41	267.79	1.442	Level 3
15,800.00	7,229.73	15,906.10	7,353.92	140.21	140.05	108.69	-65.10	8,767.95	387.48	116.46	271.02	1.430	Level 3
15,900.00	7,229.55	16,006.09	7,353.81	141.85	141.69	108.64	-66.63	8,867.93	388.77	114.52	274.25	1.418	Level 3
16,000.00	7,229.38	16,106.08	7,353.70	143.50	143.34	108.59	-68.15	8,967.91	390.05	112.57	277.48	1.406	Level 3
16,100.00	7,229.21	16,206.08	7,353.59	145.14	144.98	108.53	-69.67	9,067.89	391.34	110.62	280.72	1.394	Level 3
16,200.00	7,229.03	16,306.07	7,353.48	146.78	146.63	108.48	-71.19	9,167.87	392.62	108.67	283.95	1.383	Level 3
16,300.00	7,228.86	16,406.06	7,353.37	148.43	148.27	108.43	-72.72	9,267.85	393.91	106.72	287.19	1.372	Level 3
16,400.00	7,228.68	16,506.05	7,353.26	150.07	149.92	108.37	-74.24	9,367.83	395.19	104.76	290.43	1.361	Level 3
16,500.00	7,228.51	16,606.04	7,353.15	151.72	151.57	108.32	-75.76	9,467.81	396.48	102.81	293.67	1.350	Level 3
16,600.00	7,228.33	16,706.03	7,353.04	153.37	153.22	108.27	-77.29	9,567.79	397.76	100.85	296.92	1.340	Level 3
16,700.00	7,228.16	16,806.02	7,352.92	155.01	154.86	108.22	-78.81	9,667.77	399.05	98.89	300.16	1.329	Level 3
16,800.00	7,227.98	16,906.01	7,352.81	156.66	156.51	108.17	-80.33	9,767.75	400.34	96.93	303.41	1.319	Level 3
16,900.00	7,227.81	17,006.00	7,352.70	158.31	158.16	108.12	-81.85	9,867.73	401.63	94.97	306.66	1.310	Level 3
17,000.00	7,227.64	17,105.99	7,352.59	159.96	159.81	108.07	-83.38	9,967.71	402.91	93.00	309.91	1.300	Level 3
17,100.00	7,227.46	17,205.99	7,352.48	161.61	161.47	108.02	-84.90	10,067.69	404.20	91.04	313.16	1.291	Level 3
17,200.00	7,227.29	17,305.98	7,352.37	163.26	163.12	107.97	-86.42	10,167.67	405.49	89.07	316.42	1.282	Level 3
17,300.00	7,227.11	17,405.97	7,352.26	164.91	164.77	107.92	-87.95	10,267.65	406.78	87.11	319.67	1.272	Level 3
17,400.00	7,226.94	17,505.96	7,352.15	166.56	166.42	107.87	-89.47	10,367.63	408.07	85.14	322.93	1.264	Level 3
17,500.00	7,226.76	17,605.95	7,352.04	168.21	168.07	107.82	-90.99	10,467.61	409.36	83.17	326.19	1.255	Level 3
17,600.00	7,226.59	17,705.94	7,351.93	169.86	169.73	107.77	-92.51	10,567.58	410.65	81.20	329.45	1.246	Level 2
17,700.00	7,226.41	17,805.93	7,351.82	171.51	171.38	107.72	-94.04	10,667.56	411.94	79.23	332.71	1.238	Level 2
17,800.00	7,226.24	17,905.92	7,351.70	173.16	173.03	107.68	-95.56	10,767.54	413.23	77.26	335.97	1.230	Level 2
17,900.00	7,226.07	18,005.91	7,351.59	174.81	174.69	107.63	-97.08	10,867.52	414.52	75.28	339.23	1.222	Level 2
18,000.00	7,225.89	18,105.91	7,351.48	176.47	176.34	107.58	-98.61	10,967.50	415.81	73.31	342.50	1.214	Level 2
18,100.00	7,225.72	18,205.90	7,351.37	178.12	178.00	107.53	-100.13	11,067.48	417.10	71.33	345.77	1.206	Level 2
18,200.00	7,225.54	18,305.89	7,351.26	179.77	179.65	107.49	-101.65	11,167.46	418.39	69.36	349.03	1.199	Level 2
18,300.00	7,225.37	18,405.88	7,351.15	181.43	181.31	107.44	-103.17	11,267.44	419.68	67.38	352.30	1.191	Level 2
18,400.00	7,225.19	18,505.87	7,351.04	183.08	182.96	107.39	-104.70	11,367.42	420.97	65.40	355.57	1.184	Level 2
18,500.00	7,225.02	18,605.86	7,350.93	184.74	184.62	107.35	-106.22	11,467.40	422.27	63.42	358.84	1.177	Level 2
18,600.00	7,224.85	18,705.85	7,350.82	186.39	186.27	107.30	-107.74	11,567.38	423.56	61.44	362.12	1.170	Level 2
18,700.00	7,224.67	18,805.84	7,350.71	188.05	187.93	107.26	-109.27	11,667.36	424.85	59.46	365.39	1.163	Level 2
18,800.00	7,224.50	18,905.83	7,350.60	189.70	189.59	107.21	-110.79	11,767.34	426.14	57.48	368.67	1.156	Level 2
18,900.00	7,224.32	19,005.83	7,350.49	191.36	191.24	107.17	-112.31	11,867.32	427.44	55.50	371.94	1.149	Level 2
19,000.00	7,224.15	19,105.82	7,350.37	193.01	192.90	107.12	-113.83	11,967.30	428.73	53.51	375.22	1.143	Level 2
19,100.00	7,223.97	19,205.81	7,350.26	194.67	194.56	107.08	-115.36	12,067.28	430.02	51.53	378.50	1.136	Level 2
19,200.00	7,223.80	19,305.80	7,350.15	196.32	196.22	107.03	-116.88	12,167.26	431.32	49.54	381.77	1.130	Level 2
19,300.00	7,223.62	19,405.79	7,350.04	197.98	197.88	106.99	-118.40	12,267.23	432.61	47.56	385.05	1.124	Level 2
19,400.00	7,223.45	19,505.78	7,349.93	199.64	199.54	106.95	-119.93	12,367.21	433.91	45.57	388.34	1.117	Level 2
19,500.00	7,223.28	19,605.77	7,349.82	201.30	201.19	106.90	-121.45	12,467.19	435.20	43.58	391.62	1.111	Level 2
19,600.00	7,223.10	19,705.76	7,349.71	202.95	202.85	106.86	-122.97	12,567.17	436.50	41.60	394.90	1.105	Level 2
19,700.00	7,222.93	19,805.75	7,349.60	204.61	204.51	106.82	-124.49	12,667.15	437.79	39.61	398.18	1.099	Level 2
19,800.00	7,222.75	19,905.75	7,349.49	206.27	206.17	106.78	-126.02	12,767.13	439.09	37.62	401.47	1.094	Level 2
19,900.00	7,222.58	20,005.74	7,349.38	207.93	207.83	106.73	-127.54	12,867.11	440.38	35.63	404.75	1.088	Level 2
20,000.00	7,222.40	20,105.73	7,349.27	209.59	209.49	106.69	-129.06	12,967.09	441.68	33.64	408.04	1.082	Level 2
20,100.00	7,222.23	20,205.72	7,349.15	211.24	211.15	106.65	-130.59	13,067.07	442.97	31.65	411.33	1.077	Level 2
20,200.00	7,222.05	20,305.71	7,349.04	212.90	212.81	106.61	-132.11	13,167.05	444.27	29.66	414.62	1.072	Level 2
20,231.13	7,222.00	20,336.84	7,349.01	213.42	213.33	106.60	-132.58	13,198.17	444.67	29.04	415.64	1.070	Level 2, ES, SF

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27A-XR - 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	179.73	-59.74	0.28	59.74				
100.00	100.00	100.00	100.00	3.28	3.28	179.73	-59.74	0.28	59.74	52.21	7.53	7.934	
200.00	200.00	200.00	200.00	3.31	3.31	179.73	-59.74	0.28	59.74	52.16	7.57	7.887	CC, ES
300.00	299.98	300.39	299.60	3.35	3.34	-170.36	-60.25	-0.43	61.97	54.31	7.66	8.092	
400.00	399.88	400.52	399.47	3.42	3.40	-170.28	-60.85	-1.26	66.96	59.17	7.79	8.597	
500.00	499.77	500.65	499.33	3.51	3.48	-170.24	-61.46	-2.09	72.12	64.16	7.96	9.065	
600.00	599.67	600.78	599.20	3.62	3.58	-170.21	-62.06	-2.92	77.29	69.12	8.16	9.468	
700.00	699.56	700.92	699.06	3.74	3.70	-170.18	-62.67	-3.76	82.45	74.04	8.41	9.809	
800.00	799.45	798.95	798.92	3.88	3.83	-170.15	-63.27	-4.59	87.62	78.94	8.68	10.097	
900.00	899.35	901.18	898.78	4.04	3.99	-170.13	-63.88	-5.42	92.78	83.80	8.98	10.327	
1,000.00	999.24	1,001.32	998.64	4.21	4.15	-170.10	-64.48	-6.25	97.95	88.63	9.31	10.517	
1,100.00	1,099.13	1,101.45	1,098.50	4.39	4.32	-170.09	-65.09	-7.08	103.11	93.44	9.67	10.668	
1,200.00	1,199.03	1,201.59	1,198.36	4.58	4.51	-170.07	-65.69	-7.92	108.27	98.24	10.04	10.787	
1,300.00	1,298.92	1,301.72	1,298.22	4.78	4.70	-170.05	-66.29	-8.75	113.44	103.01	10.43	10.879	
1,400.00	1,398.81	1,401.85	1,398.09	4.98	4.90	-170.04	-66.90	-9.58	118.60	107.77	10.83	10.948	
1,500.00	1,498.70	1,501.99	1,497.95	5.20	5.11	-170.03	-67.50	-10.41	123.77	112.52	11.25	10.999	
1,600.00	1,598.60	1,602.12	1,597.81	5.42	5.32	-170.01	-68.11	-11.24	128.93	117.25	11.69	11.034	
1,700.00	1,698.49	1,702.25	1,697.67	5.64	5.54	-170.00	-68.71	-12.08	134.10	121.97	12.13	11.057	
1,800.00	1,798.38	1,802.39	1,797.53	5.88	5.77	-169.99	-69.32	-12.91	139.26	126.86	12.41	11.226	
1,900.00	1,898.28	1,902.52	1,897.39	6.11	5.88	-169.98	-69.92	-13.74	144.43	131.89	12.54	11.516	
2,000.00	1,998.17	2,002.65	1,997.25	6.35	5.89	-169.97	-70.53	-14.57	149.60	136.80	12.79	11.695	
2,100.00	2,098.06	2,097.21	2,097.11	6.59	5.92	-169.96	-71.13	-15.40	154.76	141.71	13.05	11.855	
2,200.00	2,197.96	2,202.92	2,196.98	6.83	5.96	-169.96	-71.73	-16.24	159.93	146.59	13.34	11.991	
2,300.00	2,297.85	2,303.05	2,296.84	7.08	6.01	-169.95	-72.34	-17.07	165.09	151.46	13.63	12.109	
2,400.00	2,397.74	2,403.19	2,396.70	7.33	6.07	-169.94	-72.94	-17.90	170.26	156.31	13.94	12.210	
2,500.00	2,497.63	2,503.32	2,496.56	7.58	6.15	-169.94	-73.55	-18.73	175.42	161.15	14.27	12.294	
2,600.00	2,597.53	2,603.45	2,596.42	7.84	6.24	-169.93	-74.15	-19.56	180.59	165.98	14.61	12.363	
2,700.00	2,697.42	2,703.59	2,696.28	8.09	6.33	-169.92	-74.76	-20.40	185.75	170.79	14.96	12.419	
2,800.00	2,797.31	2,803.72	2,796.14	8.35	6.44	-169.92	-75.36	-21.23	190.92	175.60	15.32	12.463	
2,900.00	2,897.21	2,903.85	2,896.00	8.61	6.56	-169.91	-75.97	-22.06	196.08	180.39	15.69	12.495	
3,000.00	2,997.10	3,003.99	2,995.87	8.87	6.69	-169.91	-76.57	-22.89	201.25	185.17	16.08	12.517	
3,100.00	3,096.99	3,104.12	3,095.73	9.13	6.82	-169.90	-77.17	-23.72	206.41	189.94	16.47	12.531	
3,200.00	3,196.89	3,204.25	3,195.59	9.39	6.97	-169.90	-77.78	-24.56	211.58	194.70	16.88	12.538	
3,300.00	3,296.78	3,304.39	3,295.45	9.65	7.12	-169.90	-78.38	-25.39	216.74	199.45	17.29	12.537	
3,400.00	3,396.67	3,404.52	3,395.31	9.92	7.28	-169.89	-78.99	-26.22	221.91	204.20	17.71	12.531	
3,500.00	3,496.57	3,504.66	3,495.17	10.18	7.45	-169.89	-79.59	-27.05	227.07	208.93	18.14	12.520	
3,600.00	3,596.46	3,604.79	3,595.03	10.45	7.62	-169.88	-80.20	-27.88	232.24	213.66	18.57	12.504	
3,700.00	3,696.35	3,695.08	3,694.89	10.71	7.78	-169.88	-80.80	-28.71	237.40	218.40	19.00	12.496	
3,800.00	3,796.24	3,805.06	3,794.76	10.98	7.98	-169.88	-81.41	-29.55	242.57	223.10	19.46	12.462	
3,900.00	3,896.14	3,905.19	3,894.62	11.25	8.17	-169.87	-82.01	-30.38	247.73	227.81	19.92	12.437	
4,000.00	3,996.03	4,005.32	3,994.48	11.52	8.37	-169.87	-82.61	-31.21	252.90	232.52	20.38	12.410	
4,100.00	4,095.92	4,105.46	4,094.34	11.79	8.57	-169.87	-83.22	-32.04	258.06	237.22	20.84	12.381	
4,200.00	4,195.82	4,205.59	4,194.20	12.06	8.77	-169.86	-83.82	-32.87	263.23	241.91	21.31	12.350	
4,300.00	4,295.71	4,305.72	4,294.06	12.33	8.98	-169.86	-84.43	-33.71	268.39	246.60	21.79	12.319	
4,400.00	4,395.60	4,405.86	4,393.92	12.60	9.19	-169.86	-85.03	-34.54	273.56	251.29	22.27	12.286	
4,500.00	4,495.50	4,505.99	4,493.78	12.87	9.40	-169.86	-85.64	-35.37	278.72	255.97	22.75	12.253	
4,600.00	4,595.39	4,606.12	4,593.64	13.14	9.62	-169.85	-86.24	-36.20	283.89	260.65	23.23	12.219	
4,700.00	4,695.28	4,706.26	4,693.51	13.41	9.84	-169.85	-86.85	-37.03	289.05	265.33	23.72	12.185	
4,800.00	4,795.18	4,806.39	4,793.37	13.68	10.06	-169.85	-87.45	-37.87	294.22	270.00	24.21	12.150	
4,900.00	4,895.07	4,906.52	4,893.23	13.95	10.29	-169.85	-88.05	-38.70	299.38	274.67	24.71	12.116	
5,000.00	4,994.96	5,006.66	4,993.09	14.23	10.51	-169.85	-88.66	-39.53	304.55	279.34	25.21	12.082	
5,100.00	5,094.85	5,106.79	5,092.95	14.50	10.74	-169.84	-89.26	-40.36	309.71	284.00	25.71	12.047	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27A-XR - 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	5,194.75	5,206.92	5,192.81	14.77	10.98	-169.84	-89.87	-41.19	314.88	288.67	26.21	12.013		
5,300.00	5,294.64	5,307.06	5,292.67	15.05	11.21	-169.84	-90.47	-42.03	320.04	293.33	26.72	11.980		
5,400.00	5,394.53	5,407.19	5,392.53	15.32	11.45	-169.84	-91.08	-42.86	325.21	297.98	27.22	11.946		
5,500.00	5,494.43	5,507.32	5,492.40	15.59	11.69	-169.84	-91.68	-43.69	330.37	302.64	27.73	11.913		
5,600.00	5,594.32	5,607.46	5,592.26	15.87	11.93	-169.83	-92.29	-44.52	335.54	307.29	28.24	11.880		
5,700.00	5,694.21	5,707.59	5,692.12	16.14	12.17	-169.83	-92.89	-45.35	340.70	311.95	28.76	11.848		
5,800.00	5,794.11	5,807.73	5,791.98	16.42	12.41	-169.83	-93.49	-46.19	345.87	316.60	29.27	11.816		
5,900.00	5,894.00	5,907.86	5,891.84	16.69	12.65	-169.83	-94.10	-47.02	351.03	321.25	29.79	11.785		
6,000.00	5,993.89	6,007.99	5,991.70	16.97	12.90	-169.83	-94.70	-47.85	356.20	325.89	30.30	11.754		
6,100.00	6,093.79	6,108.13	6,091.56	17.24	13.15	-169.83	-95.31	-48.68	361.36	330.54	30.82	11.724		
6,200.00	6,193.68	6,208.26	6,191.42	17.52	13.39	-169.82	-95.91	-49.51	366.53	335.18	31.34	11.694		
6,300.00	6,293.57	6,308.39	6,291.29	17.79	13.64	-169.82	-96.52	-50.35	371.69	339.83	31.87	11.665		
6,400.00	6,393.46	6,391.47	6,391.15	18.07	13.85	-169.82	-97.12	-51.18	376.86	344.51	32.35	11.651		
6,500.00	6,493.36	6,490.34	6,489.73	18.35	14.04	-170.84	-97.84	-45.24	382.13	349.32	32.80	11.649		
6,600.00	6,593.25	6,584.89	6,582.08	18.62	14.23	-173.87	-98.76	-25.39	388.42	355.19	33.23	11.688		
6,700.00	6,692.89	6,673.85	6,665.39	18.87	14.41	100.94	-99.83	5.58	397.10	363.50	33.59	11.821		
6,800.00	6,790.44	6,759.69	6,740.94	19.10	14.58	86.91	-101.01	46.18	407.54	373.63	33.91	12.018		
6,900.00	6,883.50	6,843.00	6,808.40	19.32	14.75	80.15	-102.30	94.96	418.98	384.78	34.21	12.248		
7,000.00	6,969.78	6,924.25	6,867.51	19.55	14.94	75.48	-103.65	150.60	430.70	396.17	34.53	12.474		
7,100.00	7,047.15	7,003.84	6,918.08	19.97	15.18	71.93	-105.05	211.98	442.02	407.08	34.93	12.653		
7,200.00	7,113.71	7,082.13	6,959.97	20.55	15.51	69.20	-106.48	278.04	452.35	416.83	35.52	12.734		
7,300.00	7,167.82	7,159.42	6,993.08	21.38	15.92	67.15	-107.92	347.82	461.23	424.85	36.38	12.678		
7,400.00	7,208.14	7,236.00	7,017.30	22.49	16.41	65.71	-109.36	420.40	468.28	430.71	37.58	12.462		
7,500.00	7,233.69	7,312.12	7,032.57	23.90	16.96	64.83	-110.77	494.92	473.25	434.11	39.14	12.092		
7,600.00	7,243.83	7,388.02	7,038.83	25.55	17.58	64.50	-112.15	570.50	475.96	434.92	41.04	11.597		
7,700.00	7,243.86	7,483.22	7,038.96	26.79	18.45	64.58	-113.84	665.68	477.33	434.57	42.76	11.164		
7,800.00	7,243.68	7,583.21	7,038.90	26.98	19.46	64.67	-115.61	765.66	478.70	434.85	43.86	10.915		
7,900.00	7,243.51	7,683.20	7,038.85	27.27	20.55	64.76	-117.38	865.63	480.08	434.95	45.14	10.636		
8,000.00	7,243.33	7,783.18	7,038.79	27.65	21.72	64.86	-119.15	965.60	481.47	434.89	46.58	10.336		
8,100.00	7,243.16	7,883.17	7,038.73	28.12	22.95	64.95	-120.92	1,065.57	482.85	434.67	48.17	10.023		
8,200.00	7,242.98	7,983.16	7,038.68	28.68	24.23	65.04	-122.69	1,165.54	484.23	434.33	49.91	9.703		
8,300.00	7,242.81	8,083.15	7,038.62	29.33	25.56	65.13	-124.46	1,265.51	485.62	433.85	51.76	9.382		
8,400.00	7,242.63	8,174.31	7,038.57	30.06	26.80	65.26	-127.00	1,356.64	487.93	434.36	53.57	9.108		
8,500.00	7,242.46	8,274.25	7,038.51	30.86	28.20	65.45	-130.77	1,456.51	491.13	435.46	55.67	8.822		
8,600.00	7,242.29	8,374.18	7,038.46	31.73	29.62	65.63	-134.53	1,556.37	494.33	436.47	57.87	8.542		
8,700.00	7,242.11	8,474.12	7,038.40	32.66	31.08	65.81	-138.29	1,656.24	497.54	437.39	60.15	8.272		
8,800.00	7,241.94	8,574.05	7,038.35	33.66	32.55	65.99	-142.05	1,756.10	500.76	438.25	62.51	8.011		
8,900.00	7,241.76	8,673.99	7,038.29	34.70	34.04	66.17	-145.81	1,855.97	503.98	439.04	64.94	7.761		
9,000.00	7,241.59	8,773.93	7,038.24	35.80	35.55	66.35	-149.57	1,955.83	507.20	439.77	67.43	7.521		
9,100.00	7,241.41	8,873.86	7,038.18	36.93	37.07	66.52	-153.33	2,055.70	510.43	440.44	69.99	7.293		
9,200.00	7,241.24	8,973.80	7,038.13	38.11	38.60	66.69	-157.09	2,155.56	513.66	441.07	72.59	7.076		
9,300.00	7,241.07	9,073.73	7,038.07	39.33	40.15	66.86	-160.85	2,255.43	516.90	441.65	75.25	6.869		
9,400.00	7,240.89	9,173.67	7,038.02	40.57	41.70	67.03	-164.61	2,355.29	520.15	442.20	77.95	6.673		
9,500.00	7,240.72	9,273.61	7,037.96	41.85	43.27	67.19	-168.37	2,455.16	523.39	442.70	80.69	6.487		
9,600.00	7,240.54	9,373.54	7,037.91	43.15	44.84	67.35	-172.13	2,555.02	526.64	443.18	83.46	6.310		
9,700.00	7,240.37	9,473.48	7,037.85	44.48	46.42	67.52	-175.89	2,654.89	529.90	443.63	86.27	6.142		
9,800.00	7,240.19	9,573.41	7,037.80	45.83	48.01	67.67	-179.66	2,754.75	533.16	444.05	89.11	5.983		
9,900.00	7,240.02	9,673.35	7,037.74	47.21	49.60	67.83	-183.42	2,854.62	536.42	444.44	91.98	5.832		
10,000.00	7,239.84	9,773.29	7,037.69	48.60	51.20	67.99	-187.18	2,954.48	539.69	444.81	94.87	5.688		
10,100.00	7,239.67	9,873.22	7,037.63	50.00	52.80	68.14	-190.94	3,054.35	542.96	445.17	97.79	5.552		
10,200.00	7,239.50	9,973.16	7,037.57	51.43	54.40	68.29	-194.70	3,154.21	546.24	445.50	100.73	5.423		
10,300.00	7,239.32	10,073.09	7,037.52	52.87	56.01	68.44	-198.46	3,254.08	549.51	445.82	103.69	5.299		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27A-XR - 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	7,239.15	10,173.03	7,037.46	54.32	57.63	68.59	-202.22	3,353.94	552.80	446.12	106.67	5.182		
10,500.00	7,238.97	10,272.97	7,037.41	55.78	59.24	68.73	-205.98	3,453.81	556.08	446.41	109.67	5.070		
10,600.00	7,238.80	10,372.90	7,037.35	57.26	60.86	68.88	-209.74	3,553.68	559.37	446.69	112.69	4.964		
10,700.00	7,238.62	10,472.84	7,037.30	58.75	62.49	69.02	-213.50	3,653.54	562.67	446.95	115.72	4.862		
10,800.00	7,238.45	10,572.77	7,037.24	60.24	64.11	69.16	-217.26	3,753.41	565.96	447.20	118.76	4.766		
10,900.00	7,238.27	10,672.71	7,037.19	61.75	65.74	69.30	-221.02	3,853.27	569.26	447.44	121.82	4.673		
11,000.00	7,238.10	10,772.65	7,037.13	63.26	67.37	69.44	-224.78	3,953.14	572.57	447.68	124.89	4.585		
11,100.00	7,237.93	10,872.58	7,037.08	64.78	69.00	69.57	-228.55	4,053.00	575.87	447.90	127.97	4.500		
11,200.00	7,237.75	10,972.52	7,037.02	66.31	70.64	69.71	-232.31	4,152.87	579.18	448.12	131.07	4.419		
11,300.00	7,237.58	11,072.45	7,036.97	67.85	72.28	69.84	-236.07	4,252.73	582.50	448.33	134.17	4.341		
11,400.00	7,237.40	11,172.39	7,036.91	69.39	73.91	69.97	-239.83	4,352.60	585.81	448.53	137.28	4.267		
11,500.00	7,237.23	11,272.33	7,036.86	70.94	75.55	70.10	-243.59	4,452.46	589.13	448.72	140.41	4.196		
11,600.00	7,237.05	11,372.26	7,036.80	72.49	77.19	70.23	-247.35	4,552.33	592.45	448.91	143.54	4.127		
11,700.00	7,236.88	11,472.20	7,036.75	74.05	78.84	70.36	-251.11	4,652.19	595.78	449.10	146.68	4.062		
11,800.00	7,236.70	11,572.13	7,036.69	75.61	80.48	70.48	-254.87	4,752.06	599.11	449.28	149.83	3.999		
11,900.00	7,236.53	11,672.07	7,036.64	77.18	82.13	70.61	-258.63	4,851.92	602.44	449.45	152.99	3.938		
12,000.00	7,236.36	11,789.58	7,036.57	78.75	84.06	70.71	-261.70	4,969.39	604.75	448.30	156.45	3.865		
12,100.00	7,236.18	11,901.07	7,036.51	80.33	85.89	70.69	-261.04	5,078.73	603.92	444.25	159.67	3.782		
12,200.00	7,236.01	12,001.08	7,036.46	81.91	87.53	70.67	-260.09	5,178.72	602.80	440.06	162.74	3.704		
12,300.00	7,235.83	12,101.09	7,036.40	83.49	89.18	70.64	-259.14	5,278.71	601.69	435.87	165.82	3.629		
12,400.00	7,235.66	12,201.09	7,036.34	85.08	90.82	70.62	-258.19	5,378.70	600.57	431.68	168.89	3.556		
12,500.00	7,235.48	12,301.10	7,036.29	86.67	92.47	70.59	-257.24	5,478.69	599.46	427.48	171.97	3.486		
12,600.00	7,235.31	12,401.10	7,036.23	88.26	94.12	70.57	-256.28	5,578.68	598.34	423.29	175.06	3.418		
12,700.00	7,235.14	12,501.11	7,036.18	89.86	95.76	70.54	-255.33	5,678.66	597.23	419.08	178.14	3.352		
12,800.00	7,234.96	12,601.12	7,036.12	91.45	97.41	70.51	-254.38	5,778.65	596.11	414.88	181.23	3.289		
12,900.00	7,234.79	12,701.12	7,036.07	93.06	99.06	70.49	-253.43	5,878.64	595.00	410.67	184.32	3.228		
13,000.00	7,234.61	12,801.13	7,036.01	94.66	100.71	70.46	-252.48	5,978.63	593.88	406.47	187.42	3.169		
13,100.00	7,234.44	12,901.14	7,035.96	96.26	102.37	70.44	-251.53	6,078.62	592.77	402.26	190.51	3.111		
13,200.00	7,234.26	13,001.14	7,035.90	97.87	104.02	70.41	-250.58	6,178.61	591.65	398.04	193.61	3.056		
13,300.00	7,234.09	13,101.15	7,035.84	99.48	105.67	70.38	-249.62	6,278.60	590.54	393.83	196.71	3.002		
13,400.00	7,233.91	13,201.16	7,035.79	101.10	107.32	70.36	-248.67	6,378.59	589.43	389.62	199.81	2.950		
13,500.00	7,233.74	13,301.16	7,035.73	102.71	108.98	70.33	-247.72	6,478.58	588.31	385.40	202.91	2.899		
13,600.00	7,233.57	13,401.17	7,035.68	104.33	110.63	70.31	-246.77	6,578.56	587.20	381.18	206.02	2.850		
13,700.00	7,233.39	13,501.18	7,035.62	105.94	112.28	70.28	-245.82	6,678.55	586.08	376.96	209.12	2.803		
13,800.00	7,233.22	13,601.18	7,035.57	107.56	113.94	70.25	-244.87	6,778.54	584.97	372.75	212.23	2.756		
13,900.00	7,233.04	13,701.19	7,035.51	109.18	115.60	70.23	-243.92	6,878.53	583.86	368.52	215.33	2.711		
14,000.00	7,232.87	13,801.20	7,035.46	110.81	117.25	70.20	-242.97	6,978.52	582.74	364.30	218.44	2.668		
14,100.00	7,232.69	13,901.20	7,035.40	112.43	118.91	70.17	-242.01	7,078.51	581.63	360.08	221.55	2.625		
14,200.00	7,232.52	14,001.21	7,035.35	114.06	120.56	70.14	-241.06	7,178.50	580.52	355.86	224.66	2.584		
14,300.00	7,232.34	14,101.22	7,035.29	115.68	122.22	70.12	-240.11	7,278.49	579.40	351.64	227.77	2.544		
14,400.00	7,232.17	14,201.22	7,035.23	117.31	123.88	70.09	-239.16	7,378.48	578.29	347.41	230.88	2.505		
14,500.00	7,232.00	14,301.23	7,035.18	118.94	125.54	70.06	-238.21	7,478.46	577.18	343.19	233.99	2.467		
14,600.00	7,231.82	14,398.76	7,035.12	120.57	127.15	70.03	-237.26	7,578.45	576.07	339.00	237.06	2.430		
14,700.00	7,231.65	14,498.76	7,035.07	122.20	128.81	70.01	-236.31	7,678.44	574.95	334.78	240.17	2.394		
14,800.00	7,231.47	14,601.25	7,035.01	123.83	130.51	69.98	-235.35	7,778.43	573.84	330.51	243.33	2.358		
14,900.00	7,231.30	14,701.26	7,034.96	125.47	132.17	69.95	-234.40	7,878.42	572.73	326.29	246.44	2.324		
15,000.00	7,231.12	14,801.26	7,034.90	127.10	133.83	69.92	-233.45	7,978.41	571.62	322.06	249.55	2.291		
15,100.00	7,230.95	14,901.27	7,034.85	128.74	135.49	69.90	-232.50	8,078.40	570.51	317.84	252.67	2.258		
15,200.00	7,230.77	15,001.28	7,034.79	130.38	137.15	69.87	-231.55	8,178.39	569.39	313.61	255.78	2.226		
15,300.00	7,230.60	15,101.28	7,034.74	132.01	138.81	69.84	-230.60	8,278.38	568.28	309.39	258.89	2.195		
15,400.00	7,230.43	15,201.29	7,034.68	133.65	140.47	69.81	-229.65	8,378.36	567.17	305.16	262.01	2.165		
15,500.00	7,230.25	15,301.30	7,034.62	135.29	142.13	69.78	-228.69	8,478.35	566.06	300.94	265.12	2.135		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27A-XR - 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		
15,600.00	7,230.08	15,398.70	7,034.57	136.93	143.75	69.75	-227.74	8,578.34	564.95	296.75	268.19	2.106		
15,700.00	7,229.90	15,501.31	7,034.51	138.57	145.45	69.72	-226.79	8,678.33	563.84	292.49	271.35	2.078		
15,800.00	7,229.73	15,601.32	7,034.46	140.21	147.12	69.70	-225.84	8,778.32	562.73	288.26	274.46	2.050		
15,900.00	7,229.55	15,701.32	7,034.40	141.85	148.78	69.67	-224.89	8,878.31	561.61	284.04	277.57	2.023		
16,000.00	7,229.38	15,801.33	7,034.35	143.50	150.44	69.64	-223.94	8,978.30	560.50	279.82	280.69	1.997		
16,100.00	7,229.21	15,901.34	7,034.29	145.14	152.10	69.61	-222.99	9,078.29	559.39	275.59	283.80	1.971		
16,200.00	7,229.03	16,001.34	7,034.24	146.78	153.76	69.58	-222.03	9,178.28	558.28	271.37	286.91	1.946		
16,300.00	7,228.86	16,101.35	7,034.18	148.43	155.42	69.55	-221.08	9,278.26	557.17	267.15	290.03	1.921		
16,400.00	7,228.68	16,201.35	7,034.12	150.07	157.09	69.52	-220.13	9,378.25	556.06	262.93	293.14	1.897		
16,500.00	7,228.51	16,301.36	7,034.07	151.72	158.75	69.49	-219.18	9,478.24	554.95	258.70	296.25	1.873		
16,600.00	7,228.33	16,401.37	7,034.01	153.37	160.41	69.46	-218.23	9,578.23	553.84	254.48	299.36	1.850		
16,700.00	7,228.16	16,498.63	7,033.96	155.01	162.03	69.43	-217.28	9,678.22	552.73	250.31	302.43	1.828		
16,800.00	7,227.98	16,601.38	7,033.90	156.66	163.74	69.40	-216.33	9,778.21	551.62	246.04	305.58	1.805		
16,900.00	7,227.81	16,701.39	7,033.85	158.31	165.40	69.37	-215.37	9,878.20	550.51	241.82	308.69	1.783		
17,000.00	7,227.64	16,801.39	7,033.79	159.96	167.07	69.34	-214.42	9,978.19	549.41	237.61	311.80	1.762		
17,100.00	7,227.46	16,901.40	7,033.74	161.61	168.73	69.31	-213.47	10,078.18	548.30	233.39	314.91	1.741		
17,200.00	7,227.29	17,001.41	7,033.68	163.26	170.39	69.28	-212.52	10,178.16	547.19	229.17	318.02	1.721		
17,300.00	7,227.11	17,101.41	7,033.63	164.91	172.06	69.25	-211.57	10,278.15	546.08	224.95	321.12	1.701		
17,400.00	7,226.94	17,198.58	7,033.57	166.56	173.67	69.22	-210.62	10,378.14	544.97	220.78	324.19	1.681		
17,500.00	7,226.76	17,301.43	7,033.51	168.21	175.39	69.19	-209.67	10,478.13	543.86	216.52	327.34	1.661		
17,600.00	7,226.59	17,401.43	7,033.46	169.86	177.05	69.16	-208.71	10,578.12	542.75	212.31	330.44	1.642		
17,700.00	7,226.41	17,501.44	7,033.40	171.51	178.71	69.12	-207.76	10,678.11	541.65	208.10	333.55	1.624		
17,800.00	7,226.24	17,601.45	7,033.35	173.16	180.38	69.09	-206.81	10,778.10	540.54	203.88	336.65	1.606		
17,900.00	7,226.07	17,701.45	7,033.29	174.81	182.04	69.06	-205.86	10,878.09	539.43	199.67	339.76	1.588		
18,000.00	7,225.89	17,801.46	7,033.24	176.47	183.71	69.03	-204.91	10,978.08	538.32	195.46	342.86	1.570		
18,100.00	7,225.72	17,901.47	7,033.18	178.12	185.37	69.00	-203.96	11,078.06	537.21	191.25	345.96	1.553		
18,200.00	7,225.54	18,001.47	7,033.13	179.77	187.04	68.97	-203.01	11,178.05	536.11	187.04	349.06	1.536		
18,300.00	7,225.37	18,101.48	7,033.07	181.43	188.70	68.93	-202.05	11,278.04	535.00	182.84	352.16	1.519		
18,400.00	7,225.19	18,201.49	7,033.01	183.08	190.37	68.90	-201.10	11,378.03	533.89	178.63	355.26	1.503		
18,500.00	7,225.02	18,301.49	7,032.96	184.74	192.03	68.87	-200.15	11,478.02	532.79	174.43	358.36	1.487 Level 3		
18,600.00	7,224.85	18,401.50	7,032.90	186.39	193.70	68.84	-199.20	11,578.01	531.68	170.22	361.46	1.471 Level 3		
18,700.00	7,224.67	18,501.51	7,032.85	188.05	195.36	68.81	-198.25	11,678.00	530.57	166.02	364.56	1.455 Level 3		
18,800.00	7,224.50	18,601.51	7,032.79	189.70	197.03	68.77	-197.30	11,777.99	529.47	161.82	367.65	1.440 Level 3		
18,900.00	7,224.32	18,701.52	7,032.74	191.36	198.69	68.74	-196.35	11,877.98	528.36	157.61	370.75	1.425 Level 3		
19,000.00	7,224.15	18,801.53	7,032.68	193.01	200.36	68.71	-195.39	11,977.96	527.26	153.41	373.84	1.410 Level 3		
19,100.00	7,223.97	18,901.53	7,032.63	194.67	202.03	68.67	-194.44	12,077.95	526.15	149.22	376.93	1.396 Level 3		
19,200.00	7,223.80	19,001.54	7,032.57	196.32	203.69	68.64	-193.49	12,177.94	525.04	145.02	380.03	1.382 Level 3		
19,300.00	7,223.62	19,101.55	7,032.52	197.98	205.36	68.61	-192.54	12,277.93	523.94	140.82	383.12	1.368 Level 3		
19,400.00	7,223.45	19,201.55	7,032.46	199.64	207.02	68.57	-191.59	12,377.92	522.83	136.63	386.21	1.354 Level 3		
19,500.00	7,223.28	19,301.56	7,032.40	201.30	208.69	68.54	-190.64	12,477.91	521.73	132.43	389.30	1.340 Level 3		
19,600.00	7,223.10	19,401.57	7,032.35	202.95	210.36	68.51	-189.69	12,577.90	520.62	128.24	392.38	1.327 Level 3		
19,700.00	7,222.93	19,501.57	7,032.29	204.61	212.02	68.47	-188.73	12,677.89	519.52	124.05	395.47	1.314 Level 3		
19,800.00	7,222.75	19,601.58	7,032.24	206.27	213.69	68.44	-187.78	12,777.88	518.41	119.86	398.56	1.301 Level 3		
19,900.00	7,222.58	19,701.59	7,032.18	207.93	215.36	68.40	-186.83	12,877.86	517.31	115.67	401.64	1.288 Level 3		
20,000.00	7,222.40	19,801.59	7,032.13	209.59	217.02	68.37	-185.88	12,977.85	516.21	111.48	404.72	1.275 Level 3		
20,100.00	7,222.23	19,901.60	7,032.07	211.24	218.69	68.34	-184.93	13,077.84	515.10	107.30	407.81	1.263 Level 3		
20,200.00	7,222.05	20,001.60	7,032.02	212.90	220.35	68.30	-183.98	13,177.83	514.00	103.11	410.89	1.251 Level 3		
20,231.13	7,222.00	20,029.52	7,032.00	213.42	220.82	68.29	-183.68	13,208.96	513.66	101.86	411.79	1.247 Level 2, SF		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27B-XR - 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	180.00	-20.03	0.00	20.03					
100.00	100.00	100.00	100.00	3.28	3.28	180.00	-20.03	0.00	20.03	12.50	7.53	2.661		
200.00	200.00	200.00	200.00	3.31	3.31	180.00	-20.03	0.00	20.03	12.46	7.57	2.645 CC		
203.20	203.20	203.22	203.22	3.31	3.31	-170.50	-20.03	0.00	20.03	12.46	7.58	2.644		
300.00	299.98	300.49	300.48	3.35	3.35	-169.80	-18.47	-0.54	20.20	12.54	7.66	2.636		
400.00	399.88	400.48	400.42	3.42	3.42	-169.55	-16.00	-1.39	22.11	14.31	7.80	2.835		
500.00	499.77	500.45	500.37	3.51	3.51	-169.42	-13.52	-2.24	24.20	16.22	7.97	3.035		
600.00	599.67	600.43	600.31	3.62	3.61	-169.31	-11.05	-3.09	26.28	18.10	8.19	3.211		
700.00	699.56	700.41	700.26	3.74	3.74	-169.22	-8.57	-3.95	28.37	19.94	8.44	3.363		
800.00	799.45	800.39	800.20	3.88	3.88	-169.14	-6.10	-4.80	30.46	21.74	8.72	3.495		
900.00	899.35	900.37	900.14	4.04	4.03	-169.07	-3.63	-5.65	32.55	23.52	9.02	3.606		
1,000.00	999.24	1,000.35	1,000.09	4.21	4.20	-169.01	-1.15	-6.50	34.63	25.27	9.36	3.701		
1,100.00	1,099.13	1,100.32	1,100.03	4.39	4.37	-168.95	1.32	-7.35	36.72	27.01	9.72	3.780		
1,200.00	1,199.03	1,200.30	1,199.98	4.58	4.56	-168.91	3.80	-8.21	38.81	28.72	10.09	3.845		
1,300.00	1,298.92	1,300.28	1,299.92	4.78	4.76	-168.86	6.27	-9.06	40.90	30.41	10.49	3.900		
1,400.00	1,398.81	1,400.26	1,399.86	4.98	4.96	-168.82	8.75	-9.91	42.98	32.09	10.90	3.945		
1,500.00	1,498.70	1,500.24	1,499.81	5.20	5.17	-168.79	11.22	-10.76	45.07	33.75	11.32	3.982		
1,600.00	1,598.60	1,600.21	1,599.75	5.42	5.39	-168.76	13.70	-11.61	47.16	35.41	11.75	4.013		
1,700.00	1,698.49	1,700.19	1,699.70	5.64	5.61	-168.73	16.17	-12.47	49.25	37.05	12.20	4.037		
1,800.00	1,798.38	1,800.17	1,799.64	5.88	5.84	-168.70	18.65	-13.32	51.34	38.68	12.65	4.057		
1,900.00	1,898.28	1,900.15	1,899.58	6.11	5.95	-168.67	21.12	-14.17	53.42	40.80	12.62	4.233		
2,000.00	1,998.17	2,000.13	1,999.53	6.35	5.96	-168.65	23.59	-15.02	55.51	42.64	12.87	4.313		
2,100.00	2,098.06	2,100.11	2,099.47	6.59	5.99	-168.63	26.07	-15.87	57.60	44.46	13.14	4.385		
2,200.00	2,197.96	2,200.08	2,199.42	6.83	6.03	-168.61	28.54	-16.73	59.69	46.27	13.42	4.449		
2,300.00	2,297.85	2,300.06	2,299.36	7.08	6.08	-168.59	31.02	-17.58	61.78	48.06	13.71	4.505		
2,400.00	2,397.74	2,400.04	2,399.30	7.33	6.14	-168.57	33.49	-18.43	63.86	49.84	14.02	4.555		
2,500.00	2,497.63	2,500.02	2,499.25	7.58	6.22	-168.56	35.97	-19.28	65.95	51.61	14.35	4.597		
2,600.00	2,597.53	2,600.00	2,599.19	7.84	6.30	-168.54	38.44	-20.13	68.04	53.36	14.68	4.634		
2,700.00	2,697.42	2,700.03	2,699.14	8.09	6.40	-168.53	40.92	-20.99	70.13	55.10	15.03	4.665		
2,800.00	2,797.31	2,800.05	2,799.08	8.35	6.50	-168.51	43.39	-21.84	72.22	56.82	15.39	4.691		
2,900.00	2,897.21	2,900.07	2,899.02	8.61	6.62	-168.50	45.87	-22.69	74.30	58.54	15.77	4.713		
3,000.00	2,997.10	3,000.09	2,998.97	8.87	6.75	-168.49	48.34	-23.54	76.39	60.24	16.15	4.730		
3,100.00	3,096.99	3,100.11	3,098.91	9.13	6.88	-168.48	50.81	-24.39	78.48	61.94	16.54	4.744		
3,200.00	3,196.89	3,200.13	3,198.85	9.39	7.02	-168.47	53.29	-25.25	80.57	63.62	16.95	4.754		
3,300.00	3,296.78	3,300.16	3,298.80	9.65	7.17	-168.46	55.76	-26.10	82.66	65.30	17.36	4.762		
3,400.00	3,396.67	3,400.18	3,398.74	9.92	7.33	-168.45	58.24	-26.95	84.74	66.96	17.78	4.767		
3,500.00	3,496.57	3,500.20	3,498.69	10.18	7.50	-168.44	60.71	-27.80	86.83	68.63	18.21	4.769		
3,600.00	3,596.46	3,600.22	3,598.63	10.45	7.67	-168.43	63.19	-28.65	88.92	70.28	18.64	4.770		
3,700.00	3,696.35	3,700.24	3,698.57	10.71	7.85	-168.42	65.66	-29.51	91.01	71.92	19.08	4.769		
3,800.00	3,796.24	3,800.27	3,798.52	10.98	8.03	-168.41	68.14	-30.36	93.10	73.56	19.53	4.767		
3,900.00	3,896.14	3,900.29	3,898.46	11.25	8.22	-168.40	70.61	-31.21	95.18	75.20	19.98	4.763		
4,000.00	3,996.03	4,000.31	3,998.41	11.52	8.41	-168.40	73.09	-32.06	97.27	76.83	20.44	4.758		
4,100.00	4,095.92	4,100.33	4,098.35	11.79	8.61	-168.39	75.56	-32.91	99.36	78.45	20.91	4.752		
4,200.00	4,195.82	4,200.35	4,198.29	12.06	8.81	-168.38	78.03	-33.77	101.45	80.07	21.38	4.745		
4,300.00	4,295.71	4,300.37	4,298.24	12.33	9.01	-168.38	80.51	-34.62	103.54	81.68	21.85	4.738		
4,400.00	4,395.60	4,400.40	4,398.18	12.60	9.22	-168.37	82.98	-35.47	105.62	83.29	22.33	4.730		
4,500.00	4,495.50	4,500.42	4,498.13	12.87	9.44	-168.36	85.46	-36.32	107.71	84.90	22.81	4.722		
4,600.00	4,595.39	4,600.44	4,598.07	13.14	9.65	-168.36	87.93	-37.18	109.80	86.50	23.30	4.713		
4,700.00	4,695.28	4,700.46	4,698.01	13.41	9.87	-168.35	90.41	-38.03	111.89	88.10	23.78	4.704		
4,800.00	4,795.18	4,800.48	4,797.96	13.68	10.09	-168.35	92.88	-38.88	113.98	89.70	24.28	4.695		
4,900.00	4,895.07	4,900.51	4,897.90	13.95	10.32	-168.34	95.36	-39.73	116.06	91.29	24.77	4.685		
5,000.00	4,994.96	5,000.53	4,997.85	14.23	10.54	-168.34	97.83	-40.58	118.15	92.88	25.27	4.676		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27B-XR - 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	5,094.85	5,100.55	5,097.79	14.50	10.77	-168.33	100.31	-41.44	120.24	94.47	25.77	4.666		
5,200.00	5,194.75	5,200.57	5,197.73	14.77	11.00	-168.33	102.78	-42.29	122.33	96.06	26.27	4.656		
5,300.00	5,294.64	5,300.59	5,297.68	15.05	11.24	-168.32	105.25	-43.14	124.42	97.64	26.78	4.646		
5,400.00	5,394.53	5,400.61	5,397.62	15.32	11.47	-168.32	107.73	-43.99	126.50	99.22	27.28	4.637		
5,500.00	5,494.43	5,500.64	5,497.57	15.59	11.71	-168.31	110.20	-44.84	128.59	100.80	27.79	4.627		
5,600.00	5,594.32	5,600.66	5,597.51	15.87	11.95	-168.31	112.68	-45.70	130.68	102.38	28.30	4.617		
5,700.00	5,694.21	5,700.68	5,697.45	16.14	12.19	-168.31	115.15	-46.55	132.77	103.95	28.82	4.607		
5,800.00	5,794.11	5,799.30	5,797.40	16.42	12.43	-168.30	117.63	-47.40	134.86	105.53	29.33	4.598		
5,900.00	5,894.00	5,900.72	5,897.34	16.69	12.67	-168.30	120.10	-48.25	136.94	107.10	29.85	4.588		
6,000.00	5,993.89	6,000.74	5,997.29	16.97	12.92	-168.30	122.58	-49.10	139.03	108.67	30.36	4.579		
6,100.00	6,093.79	6,100.77	6,097.23	17.24	13.16	-168.29	125.05	-49.96	141.12	110.24	30.88	4.569		
6,200.00	6,193.68	6,200.79	6,197.17	17.52	13.41	-168.29	127.53	-50.81	143.21	111.80	31.40	4.560		
6,300.00	6,293.57	6,300.81	6,297.12	17.79	13.66	-168.28	130.00	-51.66	145.30	113.37	31.93	4.551		
6,400.00	6,393.46	6,400.83	6,397.06	18.07	13.91	-168.28	132.47	-52.51	147.38	114.94	32.45	4.542		
6,500.00	6,493.36	6,500.85	6,497.00	18.35	14.16	-168.28	134.95	-53.36	149.47	116.50	32.97	4.533		
6,600.00	6,593.25	6,599.43	6,597.17	18.62	14.38	-169.54	137.41	-50.88	151.48	118.02	33.47	4.526		
6,700.00	6,692.89	6,698.13	6,694.30	18.87	14.59	105.30	139.73	-34.06	153.88	119.96	33.91	4.537		
6,800.00	6,790.44	6,795.14	6,786.11	19.10	14.81	91.23	141.86	-3.11	157.08	122.73	34.35	4.573		
6,900.00	6,883.50	6,890.59	6,870.84	19.32	15.05	84.36	143.75	40.62	160.86	126.09	34.77	4.626		
7,000.00	6,969.78	6,984.68	6,947.04	19.55	15.31	79.53	145.37	95.62	164.98	129.77	35.21	4.686		
7,100.00	7,047.15	7,077.56	7,013.53	19.97	15.62	75.81	146.71	160.36	169.13	133.43	35.71	4.737		
7,200.00	7,113.71	7,169.43	7,069.34	20.55	16.00	72.91	147.74	233.22	173.07	136.71	36.36	4.760		
7,300.00	7,167.82	7,260.47	7,113.74	21.38	16.46	70.68	148.46	312.60	176.56	139.29	37.27	4.737		
7,400.00	7,208.14	7,350.86	7,146.20	22.49	17.00	69.06	148.87	396.89	179.40	140.89	38.51	4.659		
7,500.00	7,233.69	7,440.79	7,166.33	23.90	17.64	68.01	148.95	484.46	181.44	141.32	40.12	4.523		
7,600.00	7,243.83	7,530.45	7,173.93	25.55	18.35	67.49	148.72	573.72	182.58	140.51	42.07	4.340		
7,700.00	7,243.86	7,629.23	7,173.84	26.79	19.22	67.49	148.25	672.50	182.89	139.06	43.83	4.172		
7,800.00	7,243.68	7,729.23	7,173.66	26.98	20.19	67.52	147.77	772.50	183.16	138.26	44.91	4.079		
7,900.00	7,243.51	7,829.23	7,173.47	27.27	21.26	67.55	147.30	872.50	183.43	137.27	46.16	3.974		
8,000.00	7,243.33	7,929.23	7,173.29	27.65	22.39	67.59	146.82	972.50	183.70	136.12	47.58	3.861		
8,100.00	7,243.16	8,029.23	7,173.11	28.12	23.59	67.62	146.34	1,072.49	183.97	134.81	49.16	3.743		
8,200.00	7,242.98	8,129.23	7,172.93	28.68	24.85	67.65	145.86	1,172.49	184.24	133.37	50.87	3.622		
8,300.00	7,242.81	8,229.23	7,172.75	29.33	26.15	67.68	145.39	1,272.49	184.51	131.80	52.71	3.500		
8,400.00	7,242.63	8,329.23	7,172.56	30.06	27.49	67.71	144.91	1,372.49	184.78	130.11	54.67	3.380		
8,500.00	7,242.46	8,429.23	7,172.38	30.86	28.87	67.75	144.43	1,472.49	185.05	128.31	56.73	3.262		
8,600.00	7,242.29	8,529.23	7,172.20	31.73	30.27	67.78	143.96	1,572.48	185.32	126.43	58.89	3.147		
8,700.00	7,242.11	8,629.23	7,172.02	32.66	31.71	67.81	143.48	1,672.48	185.59	124.45	61.13	3.036		
8,800.00	7,241.94	8,729.23	7,171.83	33.66	33.16	67.84	143.00	1,772.48	185.86	122.40	63.45	2.929		
8,900.00	7,241.76	8,829.23	7,171.65	34.70	34.64	67.87	142.52	1,872.48	186.13	120.29	65.84	2.827		
9,000.00	7,241.59	8,929.23	7,171.47	35.80	36.13	67.90	142.05	1,972.48	186.40	118.10	68.29	2.729		
9,100.00	7,241.41	9,029.23	7,171.29	36.93	37.63	67.93	141.57	2,072.48	186.67	115.86	70.80	2.636		
9,200.00	7,241.24	9,129.22	7,171.11	38.11	39.15	67.96	141.09	2,172.47	186.94	113.57	73.36	2.548		
9,300.00	7,241.07	9,229.22	7,170.92	39.33	40.69	68.00	140.62	2,272.47	187.21	111.24	75.97	2.464		
9,400.00	7,240.89	9,329.22	7,170.74	40.57	42.23	68.03	140.14	2,372.47	187.48	108.86	78.62	2.385		
9,500.00	7,240.72	9,429.22	7,170.56	41.85	43.78	68.06	139.66	2,472.47	187.75	106.44	81.30	2.309		
9,600.00	7,240.54	9,529.22	7,170.38	43.15	45.34	68.09	139.19	2,572.47	188.02	103.99	84.02	2.238		
9,700.00	7,240.37	9,629.22	7,170.20	44.48	46.91	68.12	138.71	2,672.47	188.29	101.51	86.78	2.170		
9,800.00	7,240.19	9,729.22	7,170.01	45.83	48.49	68.15	138.23	2,772.46	188.56	99.00	89.56	2.105		
9,900.00	7,240.02	9,829.22	7,169.83	47.21	50.07	68.18	137.75	2,872.46	188.83	96.46	92.37	2.044		
10,000.00	7,239.84	9,929.22	7,169.65	48.60	51.66	68.21	137.28	2,972.46	189.10	93.90	95.20	1.986		
10,100.00	7,239.67	10,029.22	7,169.47	50.00	53.25	68.24	136.80	3,072.46	189.37	91.31	98.06	1.931		
10,200.00	7,239.50	10,129.22	7,169.28	51.43	54.84	68.27	136.32	3,172.46	189.64	88.71	100.93	1.879		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27B-XR - 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	7,239.32	10,229.22	7,169.10	52.87	56.45	68.30	135.85	3,272.46	189.91	86.08	103.82	1.829		
10,400.00	7,239.15	10,329.22	7,168.92	54.32	58.05	68.33	135.37	3,372.45	190.18	83.44	106.74	1.782		
10,500.00	7,238.97	10,429.22	7,168.74	55.78	59.66	68.36	134.89	3,472.45	190.45	80.79	109.66	1.737		
10,600.00	7,238.80	10,529.22	7,168.56	57.26	61.27	68.39	134.42	3,572.45	190.72	78.11	112.60	1.694		
10,700.00	7,238.62	10,629.22	7,168.37	58.75	62.89	68.42	133.94	3,672.45	190.99	75.43	115.56	1.653		
10,800.00	7,238.45	10,729.22	7,168.19	60.24	64.51	68.45	133.46	3,772.45	191.26	72.73	118.53	1.614		
10,900.00	7,238.27	10,829.22	7,168.01	61.75	66.13	68.48	132.98	3,872.45	191.53	70.02	121.51	1.576		
11,000.00	7,238.10	10,929.22	7,167.83	63.26	67.75	68.51	132.51	3,972.44	191.80	67.30	124.50	1.541		
11,100.00	7,237.93	11,029.22	7,167.65	64.78	69.38	68.54	132.03	4,072.44	192.07	64.57	127.50	1.506		
11,200.00	7,237.75	11,129.22	7,167.46	66.31	71.01	68.57	131.55	4,172.44	192.34	61.83	130.51	1.474	Level 3	
11,300.00	7,237.58	11,229.22	7,167.28	67.85	72.64	68.59	131.08	4,272.44	192.61	59.08	133.54	1.442	Level 3	
11,400.00	7,237.40	11,329.22	7,167.10	69.39	74.27	68.62	130.60	4,372.44	192.89	56.32	136.56	1.412	Level 3	
11,500.00	7,237.23	11,429.22	7,166.92	70.94	75.90	68.65	130.12	4,472.44	193.16	53.55	139.60	1.384	Level 3	
11,600.00	7,237.05	11,529.21	7,166.73	72.49	77.54	68.68	129.65	4,572.43	193.43	50.78	142.65	1.356	Level 3	
11,700.00	7,236.88	11,629.21	7,166.55	74.05	79.18	68.71	129.17	4,672.43	193.70	48.00	145.70	1.329	Level 3	
11,800.00	7,236.70	11,729.21	7,166.37	75.61	80.82	68.74	128.69	4,772.43	193.97	45.21	148.76	1.304	Level 3	
11,900.00	7,236.53	11,829.21	7,166.19	77.18	82.46	68.77	128.21	4,872.43	194.24	42.42	151.82	1.279	Level 3	
12,000.00	7,236.36	11,929.21	7,166.01	78.75	84.10	68.80	127.74	4,972.43	194.51	39.62	154.90	1.256	Level 3	
12,100.00	7,236.18	12,029.21	7,165.82	80.33	85.74	68.83	127.26	5,072.42	194.78	36.81	157.97	1.233	Level 2	
12,200.00	7,236.01	12,129.21	7,165.64	81.91	87.38	68.85	126.78	5,172.42	195.06	34.00	161.05	1.211	Level 2	
12,300.00	7,235.83	12,229.21	7,165.46	83.49	89.03	68.88	126.31	5,272.42	195.33	31.18	164.14	1.190	Level 2	
12,400.00	7,235.66	12,329.21	7,165.28	85.08	90.67	68.91	125.83	5,372.42	195.60	28.36	167.24	1.170	Level 2	
12,500.00	7,235.48	12,429.21	7,165.10	86.67	92.32	68.94	125.35	5,472.42	195.87	25.54	170.33	1.150	Level 2	
12,600.00	7,235.31	12,529.21	7,164.91	88.26	93.97	68.97	124.87	5,572.42	196.14	22.71	173.43	1.131	Level 2	
12,700.00	7,235.14	12,629.21	7,164.73	89.86	95.61	68.99	124.40	5,672.41	196.41	19.87	176.54	1.113	Level 2	
12,800.00	7,234.96	12,729.21	7,164.55	91.45	97.26	69.02	123.92	5,772.41	196.68	17.03	179.65	1.095	Level 2	
12,900.00	7,234.79	12,829.21	7,164.37	93.06	98.91	69.05	123.44	5,872.41	196.96	14.19	182.76	1.078	Level 2	
13,000.00	7,234.61	12,929.21	7,164.18	94.66	100.56	69.08	122.97	5,972.41	197.23	11.35	185.88	1.061	Level 2	
13,100.00	7,234.44	13,029.21	7,164.00	96.26	102.21	69.11	122.49	6,072.41	197.50	8.50	189.00	1.045	Level 2	
13,200.00	7,234.26	13,129.21	7,163.82	97.87	103.87	69.13	122.01	6,172.41	197.77	5.64	192.13	1.029	Level 2	
13,300.00	7,234.09	13,229.21	7,163.64	99.48	105.52	69.16	121.54	6,272.40	198.04	2.79	195.26	1.014	Level 2	
13,400.00	7,233.91	13,329.21	7,163.46	101.10	107.17	69.19	121.06	6,372.40	198.32	-0.07	198.39	1.000	Level 1	
13,500.00	7,233.74	13,429.21	7,163.27	102.71	108.83	69.22	120.58	6,472.40	198.59	-2.94	201.52	0.985	Level 1	
13,600.00	7,233.57	13,529.21	7,163.09	104.33	110.48	69.24	120.10	6,572.40	198.86	-5.80	204.66	0.972	Level 1	
13,700.00	7,233.39	13,629.21	7,162.91	105.94	112.14	69.27	119.63	6,672.40	199.13	-8.67	207.80	0.958	Level 1	
13,800.00	7,233.22	13,729.21	7,162.73	107.56	113.79	69.30	119.15	6,772.40	199.40	-11.54	210.94	0.945	Level 1	
13,900.00	7,233.04	13,829.21	7,162.55	109.18	115.45	69.33	118.67	6,872.39	199.68	-14.41	214.09	0.933	Level 1	
14,000.00	7,232.87	13,929.20	7,162.36	110.81	117.10	69.35	118.20	6,972.39	199.95	-17.29	217.24	0.920	Level 1	
14,100.00	7,232.69	14,029.20	7,162.18	112.43	118.76	69.38	117.72	7,072.39	200.22	-20.17	220.39	0.908	Level 1	
14,200.00	7,232.52	14,129.20	7,162.00	114.06	120.42	69.41	117.24	7,172.39	200.49	-23.05	223.54	0.897	Level 1	
14,300.00	7,232.34	14,229.20	7,161.82	115.68	122.07	69.43	116.77	7,272.39	200.76	-25.93	226.70	0.886	Level 1	
14,400.00	7,232.17	14,329.20	7,161.63	117.31	123.73	69.46	116.29	7,372.39	201.04	-28.82	229.85	0.875	Level 1	
14,500.00	7,232.00	14,429.20	7,161.45	118.94	125.39	69.49	115.81	7,472.38	201.31	-31.71	233.01	0.864	Level 1	
14,600.00	7,231.82	14,529.20	7,161.27	120.57	127.05	69.51	115.33	7,572.38	201.58	-34.59	236.18	0.854	Level 1	
14,700.00	7,231.65	14,628.65	7,161.09	122.20	128.70	69.54	114.81	7,671.83	201.91	-37.43	239.33	0.844	Level 1	
14,800.00	7,231.47	14,728.65	7,160.91	123.83	130.36	69.60	114.04	7,771.83	202.45	-40.08	242.53	0.835	Level 1	
14,900.00	7,231.30	14,828.65	7,160.72	125.47	132.02	69.65	113.27	7,871.82	202.99	-42.74	245.73	0.826	Level 1	
15,000.00	7,231.12	14,928.65	7,160.54	127.10	133.68	69.71	112.51	7,971.82	203.54	-45.40	248.93	0.818	Level 1	
15,100.00	7,230.95	15,028.65	7,160.36	128.74	135.34	69.76	111.74	8,071.81	204.08	-48.06	252.14	0.809	Level 1	
15,200.00	7,230.77	15,128.65	7,160.18	130.38	137.00	69.82	110.97	8,171.81	204.63	-50.72	255.35	0.801	Level 1	
15,300.00	7,230.60	15,228.64	7,160.00	132.01	138.66	69.87	110.21	8,271.80	205.17	-53.39	258.56	0.794	Level 1	
15,400.00	7,230.43	15,328.64	7,159.81	133.65	140.32	69.92	109.44	8,371.80	205.72	-56.05	261.77	0.786	Level 1	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27B-XR - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error: 3.28 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,230.25	15,428.64	7,159.63	135.29	141.98	69.98	108.68	8,471.79	206.26	-58.72	264.98	0.778	Level 1	
15,600.00	7,230.08	15,528.64	7,159.45	136.93	143.65	70.03	107.91	8,571.79	206.81	-61.39	268.20	0.771	Level 1	
15,700.00	7,229.90	15,628.64	7,159.27	138.57	145.31	70.08	107.14	8,671.78	207.35	-64.07	271.42	0.764	Level 1	
15,800.00	7,229.73	15,728.64	7,159.08	140.21	146.97	70.13	106.38	8,771.78	207.90	-66.74	274.64	0.757	Level 1	
15,900.00	7,229.55	15,828.63	7,158.90	141.85	148.63	70.19	105.61	8,871.78	208.44	-69.42	277.86	0.750	Level 1	
16,000.00	7,229.38	15,928.63	7,158.72	143.50	150.30	70.24	104.84	8,971.77	208.99	-72.09	281.08	0.744	Level 1	
16,100.00	7,229.21	16,028.63	7,158.54	145.14	151.96	70.29	104.08	9,071.77	209.54	-74.77	284.31	0.737	Level 1	
16,200.00	7,229.03	16,128.63	7,158.35	146.78	153.62	70.34	103.31	9,171.76	210.08	-77.45	287.54	0.731	Level 1	
16,300.00	7,228.86	16,228.63	7,158.17	148.43	155.29	70.39	102.54	9,271.76	210.63	-80.14	290.77	0.724	Level 1	
16,400.00	7,228.68	16,328.63	7,157.99	150.07	156.95	70.44	101.78	9,371.75	211.18	-82.82	294.00	0.718	Level 1	
16,500.00	7,228.51	16,428.62	7,157.81	151.72	158.61	70.49	101.01	9,471.75	211.72	-85.51	297.23	0.712	Level 1	
16,600.00	7,228.33	16,528.62	7,157.63	153.37	160.28	70.54	100.24	9,571.74	212.27	-88.19	300.46	0.706	Level 1	
16,700.00	7,228.16	16,628.62	7,157.44	155.01	161.94	70.59	99.48	9,671.74	212.82	-90.88	303.70	0.701	Level 1	
16,800.00	7,227.98	16,728.62	7,157.26	156.66	163.61	70.64	98.71	9,771.73	213.36	-93.57	306.94	0.695	Level 1	
16,900.00	7,227.81	16,828.62	7,157.08	158.31	165.27	70.69	97.95	9,871.73	213.91	-96.26	310.17	0.690	Level 1	
17,000.00	7,227.64	16,928.62	7,156.90	159.96	166.94	70.74	97.18	9,971.72	214.46	-98.96	313.41	0.684	Level 1	
17,100.00	7,227.46	17,028.61	7,156.71	161.61	168.60	70.79	96.41	10,071.72	215.01	-101.65	316.66	0.679	Level 1	
17,200.00	7,227.29	17,128.61	7,156.53	163.26	170.27	70.84	95.65	10,171.71	215.55	-104.34	319.90	0.674	Level 1	
17,300.00	7,227.11	17,228.61	7,156.35	164.91	171.93	70.88	94.88	10,271.71	216.10	-107.04	323.14	0.669	Level 1	
17,400.00	7,226.94	17,328.61	7,156.17	166.56	173.60	70.93	94.11	10,371.70	216.65	-109.74	326.39	0.664	Level 1	
17,500.00	7,226.76	17,428.61	7,155.98	168.21	175.26	70.98	93.35	10,471.70	217.20	-112.44	329.64	0.659	Level 1	
17,600.00	7,226.59	17,528.61	7,155.80	169.86	176.93	71.03	92.58	10,571.69	217.75	-115.14	332.88	0.654	Level 1	
17,700.00	7,226.41	17,628.60	7,155.62	171.51	178.59	71.08	91.81	10,671.69	218.30	-117.84	336.13	0.649	Level 1	
17,800.00	7,226.24	17,728.60	7,155.44	173.16	180.26	71.12	91.05	10,771.68	218.85	-120.54	339.39	0.645	Level 1	
17,900.00	7,226.07	17,828.60	7,155.26	174.81	181.92	71.17	90.28	10,871.68	219.39	-123.24	342.64	0.640	Level 1	
18,000.00	7,225.89	17,928.60	7,155.07	176.47	183.59	71.22	89.51	10,971.67	219.94	-125.95	345.89	0.636	Level 1	
18,100.00	7,225.72	18,028.60	7,154.89	178.12	185.26	71.26	88.75	11,071.67	220.49	-128.65	349.15	0.632	Level 1	
18,200.00	7,225.54	18,128.60	7,154.71	179.77	186.92	71.31	87.98	11,171.67	221.04	-131.36	352.40	0.627	Level 1	
18,300.00	7,225.37	18,228.59	7,154.53	181.43	188.59	71.35	87.22	11,271.66	221.59	-134.07	355.66	0.623	Level 1	
18,400.00	7,225.19	18,328.59	7,154.34	183.08	190.26	71.40	86.45	11,371.66	222.14	-136.78	358.92	0.619	Level 1	
18,500.00	7,225.02	18,428.59	7,154.16	184.74	191.92	71.45	85.68	11,471.65	222.69	-139.49	362.18	0.615	Level 1	
18,600.00	7,224.85	18,528.59	7,153.98	186.39	193.59	71.49	84.92	11,571.65	223.24	-142.20	365.44	0.611	Level 1	
18,700.00	7,224.67	18,628.59	7,153.80	188.05	195.26	71.54	84.15	11,671.64	223.79	-144.91	368.70	0.607	Level 1	
18,800.00	7,224.50	18,728.59	7,153.61	189.70	196.92	71.58	83.38	11,771.64	224.34	-147.62	371.96	0.603	Level 1	
18,900.00	7,224.32	18,828.58	7,153.43	191.36	198.59	71.63	82.62	11,871.63	224.89	-150.34	375.23	0.599	Level 1	
19,000.00	7,224.15	18,928.58	7,153.25	193.01	200.26	71.67	81.85	11,971.63	225.44	-153.05	378.49	0.596	Level 1	
19,100.00	7,223.97	19,028.58	7,153.07	194.67	201.92	71.71	81.08	12,071.62	225.99	-155.76	381.76	0.592	Level 1	
19,200.00	7,223.80	19,128.58	7,152.89	196.32	203.59	71.76	80.32	12,171.62	226.54	-158.48	385.02	0.588	Level 1	
19,300.00	7,223.62	19,228.58	7,152.70	197.98	205.26	71.80	79.55	12,271.61	227.09	-161.20	388.29	0.585	Level 1	
19,400.00	7,223.45	19,328.58	7,152.52	199.64	206.93	71.84	78.78	12,371.61	227.65	-163.92	391.56	0.581	Level 1	
19,500.00	7,223.28	19,428.57	7,152.34	201.30	208.59	71.89	78.02	12,471.60	228.20	-166.63	394.83	0.578	Level 1	
19,600.00	7,223.10	19,528.57	7,152.16	202.95	210.26	71.93	77.25	12,571.60	228.75	-169.35	398.10	0.575	Level 1	
19,700.00	7,222.93	19,628.57	7,151.97	204.61	211.93	71.97	76.49	12,671.59	229.30	-172.07	401.37	0.571	Level 1	
19,800.00	7,222.75	19,728.57	7,151.79	206.27	213.60	72.02	75.72	12,771.59	229.85	-174.80	404.65	0.568	Level 1	
19,900.00	7,222.58	19,828.57	7,151.61	207.93	215.26	72.06	74.95	12,871.58	230.40	-177.52	407.92	0.565	Level 1	
20,000.00	7,222.40	19,928.57	7,151.43	209.59	216.93	72.10	74.19	12,971.58	230.95	-180.24	411.20	0.562	Level 1	
20,100.00	7,222.23	20,028.56	7,151.24	211.24	218.60	72.14	73.42	13,071.57	231.51	-182.96	414.47	0.559	Level 1	
20,200.00	7,222.05	20,128.56	7,151.06	212.90	220.27	72.19	72.65	13,171.57	232.06	-185.69	417.75	0.556	Level 1	
20,231.13	7,222.00	20,159.69	7,151.01	213.42	220.79	72.20	72.41	13,202.70	232.23	-186.54	418.77	0.555	Level 1, ES, SF	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27C-XR - 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	179.60	-79.78	0.56	79.78				
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-79.78	0.56	79.78	72.25	7.53	10.597	
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-79.78	0.56	79.78	72.21	7.57	10.534 CC, ES	
300.00	299.98	297.24	297.22	3.35	3.34	-170.83	-81.39	0.21	83.16	75.51	7.66	10.861	
400.00	399.88	403.37	396.54	3.42	3.40	-170.77	-85.02	-0.56	91.19	83.40	7.79	11.708	
500.00	499.77	503.71	496.13	3.51	3.48	-170.73	-88.68	-1.33	99.41	91.46	7.95	12.499	
600.00	599.67	604.05	595.72	3.62	3.58	-170.71	-92.34	-2.11	107.63	99.47	8.16	13.194	
700.00	699.56	704.39	695.31	3.74	3.70	-170.68	-96.00	-2.89	115.85	107.46	8.40	13.796	
800.00	799.45	804.73	794.90	3.88	3.84	-170.66	-99.65	-3.67	124.08	115.41	8.67	14.309	
900.00	899.35	905.07	894.49	4.04	3.99	-170.64	-103.31	-4.44	132.30	123.33	8.97	14.744	
1,000.00	999.24	1,005.41	994.09	4.21	4.16	-170.63	-106.97	-5.22	140.52	131.22	9.30	15.107	
1,100.00	1,099.13	1,105.74	1,093.68	4.39	4.34	-170.61	-110.62	-6.00	148.74	139.09	9.65	15.408	
1,200.00	1,199.03	1,206.08	1,193.27	4.58	4.53	-170.60	-114.28	-6.78	156.97	146.94	10.03	15.657	
1,300.00	1,298.92	1,293.58	1,292.86	4.78	4.70	-170.59	-117.94	-7.55	165.19	154.80	10.39	15.898	
1,400.00	1,398.81	1,406.76	1,392.45	4.98	4.93	-170.58	-121.60	-8.33	173.41	162.59	10.82	16.024	
1,500.00	1,498.70	1,507.10	1,492.04	5.20	5.15	-170.57	-125.25	-9.11	181.64	170.39	11.24	16.157	
1,600.00	1,598.60	1,607.44	1,591.63	5.42	5.37	-170.56	-128.91	-9.89	189.86	178.18	11.67	16.263	
1,700.00	1,698.49	1,707.78	1,691.22	5.64	5.60	-170.55	-132.57	-10.66	198.08	185.96	12.12	16.346	
1,800.00	1,798.38	1,791.88	1,790.81	5.88	5.79	-170.55	-136.22	-11.44	206.30	193.77	12.53	16.459	
1,900.00	1,898.28	1,891.55	1,890.41	6.11	5.92	-170.54	-139.88	-12.22	214.53	202.02	12.51	17.148	
2,000.00	1,998.17	2,008.79	1,990.00	6.35	5.95	-170.53	-143.54	-12.99	222.75	209.98	12.77	17.442	
2,100.00	2,098.06	2,090.87	2,089.59	6.59	5.97	-170.53	-147.20	-13.77	230.97	217.94	13.03	17.725	
2,200.00	2,197.96	2,209.47	2,189.18	6.83	6.02	-170.52	-150.85	-14.55	239.19	225.88	13.32	17.959	
2,300.00	2,297.85	2,309.81	2,288.77	7.08	6.08	-170.52	-154.51	-15.33	247.42	233.80	13.62	18.171	
2,400.00	2,397.74	2,389.85	2,388.36	7.33	6.13	-170.51	-158.17	-16.10	255.64	241.73	13.91	18.373	
2,500.00	2,497.63	2,489.51	2,487.95	7.58	6.21	-170.51	-161.82	-16.88	263.86	249.63	14.24	18.534	
2,600.00	2,597.53	2,589.18	2,587.54	7.84	6.30	-170.51	-165.48	-17.66	272.09	257.51	14.57	18.670	
2,700.00	2,697.42	2,688.84	2,687.14	8.09	6.40	-170.50	-169.14	-18.44	280.31	265.39	14.92	18.784	
2,800.00	2,797.31	2,788.50	2,786.73	8.35	6.51	-170.50	-172.80	-19.21	288.53	273.25	15.28	18.878	
2,900.00	2,897.21	2,888.16	2,886.32	8.61	6.63	-170.49	-176.45	-19.99	296.75	281.10	15.66	18.953	
3,000.00	2,997.10	2,987.82	2,985.91	8.87	6.76	-170.49	-180.11	-20.77	304.98	288.94	16.04	19.013	
3,100.00	3,096.99	3,087.48	3,085.50	9.13	6.89	-170.49	-183.77	-21.55	313.20	296.77	16.43	19.058	
3,200.00	3,196.89	3,187.14	3,185.09	9.39	7.04	-170.49	-187.42	-22.32	321.42	304.59	16.84	19.090	
3,300.00	3,296.78	3,286.81	3,284.68	9.65	7.20	-170.48	-191.08	-23.10	329.65	312.40	17.25	19.110	
3,400.00	3,396.67	3,386.47	3,384.27	9.92	7.36	-170.48	-194.74	-23.88	337.87	320.20	17.67	19.121	
3,500.00	3,496.57	3,486.13	3,483.87	10.18	7.53	-170.48	-198.40	-24.66	346.09	327.99	18.10	19.123	
3,600.00	3,596.46	3,585.79	3,583.46	10.45	7.71	-170.48	-202.05	-25.43	354.31	335.78	18.53	19.117	
3,700.00	3,696.35	3,685.45	3,683.05	10.71	7.89	-170.47	-205.71	-26.21	362.54	343.56	18.98	19.105	
3,800.00	3,796.24	3,785.11	3,782.64	10.98	8.08	-170.47	-209.37	-26.99	370.76	351.33	19.42	19.087	
3,900.00	3,896.14	3,884.77	3,882.23	11.25	8.27	-170.47	-213.02	-27.76	378.98	359.10	19.88	19.065	
4,000.00	3,996.03	3,984.43	3,981.82	11.52	8.47	-170.47	-216.68	-28.54	387.20	366.87	20.34	19.038	
4,100.00	4,095.92	4,084.10	4,081.41	11.79	8.67	-170.46	-220.34	-29.32	395.43	374.62	20.80	19.008	
4,200.00	4,195.82	4,183.76	4,181.00	12.06	8.88	-170.46	-224.00	-30.10	403.65	382.38	21.27	18.975	
4,300.00	4,295.71	4,283.42	4,280.59	12.33	9.09	-170.46	-227.65	-30.87	411.87	390.13	21.75	18.939	
4,400.00	4,395.60	4,383.08	4,380.19	12.60	9.30	-170.46	-231.31	-31.65	420.10	397.87	22.23	18.901	
4,500.00	4,495.50	4,482.74	4,479.78	12.87	9.52	-170.46	-234.97	-32.43	428.32	405.61	22.71	18.862	
4,600.00	4,595.39	4,582.40	4,579.37	13.14	9.74	-170.46	-238.62	-33.21	436.54	413.35	23.19	18.822	
4,700.00	4,695.28	4,682.06	4,678.96	13.41	9.96	-170.45	-242.28	-33.98	444.76	421.08	23.68	18.780	
4,800.00	4,795.18	4,781.73	4,778.55	13.68	10.19	-170.45	-245.94	-34.76	452.99	428.81	24.17	18.738	
4,900.00	4,895.07	4,881.39	4,878.14	13.95	10.42	-170.45	-249.60	-35.54	461.21	436.54	24.67	18.695	
5,000.00	4,994.96	4,981.05	4,977.73	14.23	10.65	-170.45	-253.25	-36.32	469.43	444.26	25.17	18.652	
5,100.00	5,094.85	5,080.71	5,077.32	14.50	10.89	-170.45	-256.91	-37.09	477.66	451.99	25.67	18.608	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27C-XR - 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	5,194.75	5,180.37	5,176.92	14.77	11.12	-170.45	-260.57	-37.87	485.88	459.71	26.17	18.565		
5,300.00	5,294.64	5,280.03	5,276.51	15.05	11.36	-170.45	-264.23	-38.65	494.10	467.42	26.68	18.522		
5,400.00	5,394.53	5,379.69	5,376.10	15.32	11.60	-170.45	-267.88	-39.43	502.32	475.14	27.18	18.478		
5,500.00	5,494.43	5,479.36	5,475.69	15.59	11.84	-170.44	-271.54	-40.20	510.55	482.85	27.69	18.435		
5,600.00	5,594.32	5,579.02	5,575.28	15.87	12.09	-170.44	-275.20	-40.98	518.77	490.56	28.21	18.393		
5,700.00	5,694.21	5,678.68	5,674.87	16.14	12.33	-170.44	-278.85	-41.76	526.99	498.27	28.72	18.350		
5,800.00	5,794.11	5,778.34	5,774.46	16.42	12.58	-170.44	-282.51	-42.53	535.21	505.98	29.23	18.308		
5,900.00	5,894.00	5,878.00	5,874.05	16.69	12.83	-170.44	-286.17	-43.31	543.44	513.69	29.75	18.267		
6,000.00	5,993.89	5,977.66	5,973.65	16.97	13.08	-170.44	-289.83	-44.09	551.66	521.39	30.27	18.226		
6,100.00	6,093.79	6,077.32	6,073.24	17.24	13.33	-170.44	-293.48	-44.87	559.88	529.10	30.79	18.186		
6,200.00	6,193.68	6,176.98	6,172.83	17.52	13.58	-170.44	-297.14	-45.64	568.11	536.80	31.31	18.146		
6,300.00	6,293.57	6,276.65	6,272.42	17.79	13.83	-170.44	-300.80	-46.42	576.33	544.50	31.83	18.107		
6,400.00	6,393.46	6,376.31	6,372.01	18.07	14.09	-170.44	-304.45	-47.20	584.55	552.20	32.35	18.068		
6,500.00	6,493.36	6,475.97	6,471.60	18.35	14.34	-170.43	-308.11	-47.98	592.77	559.90	32.88	18.030		
6,600.00	6,593.25	6,575.63	6,571.19	18.62	14.60	-170.43	-311.77	-48.75	601.00	567.59	33.40	17.993		
6,700.00	6,692.89	6,674.99	6,670.48	18.87	14.85	108.79	-315.41	-49.53	609.23	575.32	33.90	17.970		
6,800.00	6,790.44	6,773.92	6,769.31	19.10	15.09	100.02	-319.06	-48.46	617.77	583.39	34.38	17.968		
6,900.00	6,883.50	6,876.63	6,870.70	19.32	15.31	98.22	-322.89	-33.25	626.79	591.94	34.85	17.984		
7,000.00	6,969.78	6,983.37	6,972.05	19.55	15.54	97.97	-326.83	-0.39	635.97	600.61	35.36	17.985		
7,100.00	7,047.15	7,094.41	7,070.11	19.97	15.78	98.26	-330.78	51.25	644.96	608.99	35.97	17.933		
7,200.00	7,113.71	7,209.86	7,160.95	20.55	16.00	98.74	-334.59	122.15	653.35	616.59	36.76	17.771		
7,300.00	7,167.82	7,329.58	7,240.04	21.38	16.23	99.24	-338.09	211.72	660.72	622.83	37.89	17.439		
7,400.00	7,208.14	7,453.10	7,302.61	22.49	16.64	99.68	-341.10	317.95	666.63	627.18	39.45	16.899		
7,500.00	7,233.69	7,579.58	7,344.24	23.90	17.37	99.98	-343.42	437.14	670.73	629.20	41.53	16.152		
7,600.00	7,243.83	7,707.87	7,361.61	25.55	18.32	100.10	-344.90	564.02	672.75	628.68	44.07	15.266		
7,700.00	7,243.86	7,812.97	7,361.96	26.79	19.23	100.10	-345.61	669.11	673.27	627.24	46.03	14.625		
7,800.00	7,243.68	7,912.97	7,361.90	26.98	20.20	100.11	-346.27	769.11	673.76	626.59	47.17	14.284		
7,900.00	7,243.51	8,012.97	7,361.85	27.27	21.25	100.11	-346.94	869.11	674.25	625.75	48.49	13.904		
8,000.00	7,243.33	8,112.96	7,361.79	27.65	22.38	100.11	-347.60	969.10	674.73	624.74	49.99	13.497		
8,100.00	7,243.16	8,212.96	7,361.74	28.12	23.58	100.11	-348.26	1,069.10	675.22	623.57	51.65	13.074		
8,200.00	7,242.98	8,312.96	7,361.68	28.68	24.83	100.12	-348.92	1,169.10	675.70	622.26	53.45	12.643		
8,300.00	7,242.81	8,412.96	7,361.62	29.33	26.12	100.12	-349.58	1,269.09	676.19	620.81	55.38	12.211		
8,400.00	7,242.63	8,512.96	7,361.57	30.06	27.46	100.12	-350.24	1,369.09	676.68	619.25	57.43	11.783		
8,500.00	7,242.46	8,612.96	7,361.51	30.86	28.83	100.13	-350.90	1,469.09	677.16	617.58	59.58	11.365		
8,600.00	7,242.29	8,712.96	7,361.46	31.73	30.24	100.13	-351.57	1,569.08	677.65	615.81	61.84	10.958		
8,700.00	7,242.11	8,812.96	7,361.40	32.66	31.67	100.13	-352.23	1,669.08	678.13	613.95	64.18	10.566		
8,800.00	7,241.94	8,912.95	7,361.35	33.66	33.12	100.13	-352.89	1,769.08	678.62	612.02	66.60	10.189		
8,900.00	7,241.76	9,012.95	7,361.29	34.70	34.59	100.14	-353.55	1,869.07	679.11	610.01	69.10	9.828		
9,000.00	7,241.59	9,112.95	7,361.24	35.80	36.08	100.14	-354.21	1,969.07	679.59	607.94	71.65	9.484		
9,100.00	7,241.41	9,212.95	7,361.18	36.93	37.58	100.14	-354.87	2,069.07	680.08	605.81	74.27	9.157		
9,200.00	7,241.24	9,312.95	7,361.12	38.11	39.10	100.15	-355.54	2,169.06	680.56	603.63	76.94	8.846		
9,300.00	7,241.07	9,412.95	7,361.07	39.33	40.63	100.15	-356.20	2,269.06	681.05	601.40	79.65	8.550		
9,400.00	7,240.89	9,512.95	7,361.01	40.57	42.17	100.15	-356.86	2,369.06	681.54	599.12	82.41	8.270		
9,500.00	7,240.72	9,612.95	7,360.96	41.85	43.72	100.15	-357.52	2,469.05	682.02	596.81	85.21	8.004		
9,600.00	7,240.54	9,712.95	7,360.90	43.15	45.28	100.16	-358.18	2,569.05	682.51	594.47	88.04	7.752		
9,700.00	7,240.37	9,812.94	7,360.85	44.48	46.85	100.16	-358.84	2,669.05	683.00	592.09	90.91	7.513		
9,800.00	7,240.19	9,912.94	7,360.79	45.83	48.42	100.16	-359.51	2,769.04	683.48	589.68	93.80	7.286		
9,900.00	7,240.02	10,012.94	7,360.74	47.21	50.00	100.17	-360.17	2,869.04	683.97	587.24	96.73	7.071		
10,000.00	7,239.84	10,112.94	7,360.68	48.60	51.59	100.17	-360.83	2,969.04	684.45	584.78	99.67	6.867		
10,100.00	7,239.67	10,212.94	7,360.62	50.00	53.18	100.17	-361.49	3,069.03	684.94	582.30	102.64	6.673		
10,200.00	7,239.50	10,312.94	7,360.57	51.43	54.78	100.17	-362.15	3,169.03	685.43	579.80	105.63	6.489		
10,300.00	7,239.32	10,412.94	7,360.51	52.87	56.38	100.18	-362.81	3,269.03	685.91	577.28	108.64	6.314		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27C-XR - 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	7,239.15	10,512.94	7,360.46	54.32	57.98	100.18	-363.48	3,369.02	686.40	574.74	111.66	6.147		
10,500.00	7,238.97	10,612.93	7,360.40	55.78	59.59	100.18	-364.14	3,469.02	686.88	572.18	114.70	5.988		
10,600.00	7,238.80	10,712.93	7,360.35	57.26	61.20	100.18	-364.80	3,569.02	687.37	569.61	117.76	5.837		
10,700.00	7,238.62	10,812.93	7,360.29	58.75	62.82	100.19	-365.46	3,669.01	687.86	567.03	120.83	5.693		
10,800.00	7,238.45	10,912.93	7,360.24	60.24	64.44	100.19	-366.12	3,769.01	688.34	564.43	123.91	5.555		
10,900.00	7,238.27	11,012.93	7,360.18	61.75	66.06	100.19	-366.78	3,869.01	688.83	561.83	127.00	5.424		
11,000.00	7,238.10	11,112.93	7,360.12	63.26	67.68	100.20	-367.44	3,969.00	689.32	559.21	130.11	5.298		
11,100.00	7,237.93	11,212.93	7,360.07	64.78	69.31	100.20	-368.11	4,069.00	689.80	556.58	133.22	5.178		
11,200.00	7,237.75	11,312.93	7,360.01	66.31	70.94	100.20	-368.77	4,169.00	690.29	553.94	136.34	5.063		
11,300.00	7,237.58	11,412.93	7,359.96	67.85	72.56	100.20	-369.43	4,268.99	690.77	551.30	139.48	4.953		
11,400.00	7,237.40	11,512.92	7,359.90	69.39	74.20	100.21	-370.09	4,368.99	691.26	548.64	142.62	4.847		
11,500.00	7,237.23	11,612.92	7,359.85	70.94	75.83	100.21	-370.75	4,468.99	691.75	545.98	145.76	4.746		
11,600.00	7,237.05	11,712.92	7,359.79	72.49	77.47	100.21	-371.41	4,568.98	692.23	543.31	148.92	4.648		
11,700.00	7,236.88	11,812.92	7,359.74	74.05	79.10	100.22	-372.08	4,668.98	692.72	540.64	152.08	4.555		
11,800.00	7,236.70	11,912.92	7,359.68	75.61	80.74	100.22	-372.74	4,768.98	693.20	537.96	155.25	4.465		
11,900.00	7,236.53	12,012.92	7,359.63	77.18	82.38	100.22	-373.40	4,868.97	693.69	535.27	158.42	4.379		
12,000.00	7,236.36	12,112.92	7,359.57	78.75	84.02	100.22	-374.06	4,968.97	694.18	532.57	161.60	4.296		
12,100.00	7,236.18	12,212.92	7,359.51	80.33	85.66	100.23	-374.72	5,068.96	694.66	529.88	164.79	4.216		
12,200.00	7,236.01	12,312.91	7,359.46	81.91	87.31	100.23	-375.38	5,168.96	695.15	527.17	167.98	4.138		
12,300.00	7,235.83	12,412.91	7,359.40	83.49	88.95	100.23	-376.05	5,268.96	695.64	524.47	171.17	4.064		
12,400.00	7,235.66	12,512.91	7,359.35	85.08	90.60	100.23	-376.71	5,368.95	696.12	521.75	174.37	3.992		
12,500.00	7,235.48	12,612.91	7,359.29	86.67	92.24	100.24	-377.37	5,468.95	696.61	519.04	177.57	3.923		
12,600.00	7,235.31	12,712.91	7,359.24	88.26	93.89	100.24	-378.03	5,568.95	697.09	516.32	180.78	3.856		
12,700.00	7,235.14	12,812.91	7,359.18	89.86	95.54	100.24	-378.69	5,668.94	697.58	513.59	183.99	3.791		
12,800.00	7,234.96	12,912.91	7,359.13	91.45	97.19	100.25	-379.35	5,768.94	698.07	510.86	187.20	3.729		
12,900.00	7,234.79	13,012.91	7,359.07	93.06	98.84	100.25	-380.02	5,868.94	698.55	508.13	190.42	3.668		
13,000.00	7,234.61	13,112.91	7,359.01	94.66	100.49	100.25	-380.68	5,968.93	699.04	505.40	193.64	3.610		
13,100.00	7,234.44	13,212.90	7,358.96	96.26	102.14	100.25	-381.34	6,068.93	699.53	502.66	196.86	3.553		
13,200.00	7,234.26	13,312.90	7,358.90	97.87	103.79	100.26	-382.00	6,168.93	700.01	499.92	200.09	3.498		
13,300.00	7,234.09	13,412.90	7,358.85	99.48	105.44	100.26	-382.66	6,268.92	700.50	497.18	203.32	3.445		
13,400.00	7,233.91	13,512.90	7,358.79	101.10	107.09	100.26	-383.32	6,368.92	700.98	494.43	206.55	3.394		
13,500.00	7,233.74	13,612.90	7,358.74	102.71	108.75	100.26	-383.99	6,468.92	701.47	491.69	209.78	3.344		
13,600.00	7,233.57	13,712.90	7,358.68	104.33	110.40	100.27	-384.65	6,568.91	701.96	488.94	213.02	3.295		
13,700.00	7,233.39	13,812.90	7,358.63	105.94	112.06	100.27	-385.31	6,668.91	702.44	486.18	216.26	3.248		
13,800.00	7,233.22	13,912.90	7,358.57	107.56	113.71	100.27	-385.97	6,768.91	702.93	483.43	219.50	3.202		
13,900.00	7,233.04	14,012.89	7,358.51	109.18	115.37	100.27	-386.63	6,868.90	703.41	480.67	222.74	3.158		
14,000.00	7,232.87	14,112.89	7,358.46	110.81	117.03	100.28	-387.29	6,968.90	703.90	477.92	225.99	3.115		
14,100.00	7,232.69	14,212.89	7,358.40	112.43	118.68	100.28	-387.95	7,068.90	704.39	475.16	229.23	3.073		
14,200.00	7,232.52	14,312.89	7,358.35	114.06	120.34	100.28	-388.62	7,168.89	704.87	472.39	232.48	3.032		
14,300.00	7,232.34	14,412.89	7,358.29	115.68	122.00	100.29	-389.28	7,268.89	705.36	469.63	235.73	2.992		
14,400.00	7,232.17	14,512.89	7,358.24	117.31	123.65	100.29	-389.94	7,368.89	705.85	466.87	238.98	2.954		
14,500.00	7,232.00	14,612.89	7,358.18	118.94	125.31	100.29	-390.60	7,468.88	706.33	464.10	242.23	2.916		
14,600.00	7,231.82	14,712.89	7,358.13	120.57	126.97	100.29	-391.26	7,568.88	706.82	461.33	245.49	2.879		
14,700.00	7,231.65	14,812.89	7,358.07	122.20	128.63	100.30	-391.92	7,668.88	707.30	458.56	248.74	2.843		
14,800.00	7,231.47	14,912.88	7,358.01	123.83	130.29	100.30	-392.59	7,768.87	707.79	455.79	252.00	2.809		
14,900.00	7,231.30	15,012.88	7,357.96	125.47	131.95	100.30	-393.25	7,868.87	708.28	453.02	255.26	2.775		
15,000.00	7,231.12	15,112.88	7,357.90	127.10	133.61	100.30	-393.91	7,968.87	708.76	450.24	258.52	2.742		
15,100.00	7,230.95	15,212.88	7,357.85	128.74	135.27	100.31	-394.57	8,068.86	709.25	447.47	261.78	2.709		
15,200.00	7,230.77	15,312.88	7,357.79	130.38	136.93	100.31	-395.23	8,168.86	709.74	444.69	265.04	2.678		
15,300.00	7,230.60	15,412.88	7,357.74	132.01	138.59	100.31	-395.89	8,268.86	710.22	441.91	268.31	2.647		
15,400.00	7,230.43	15,512.88	7,357.68	133.65	140.25	100.31	-396.56	8,368.85	710.71	439.14	271.57	2.617		
15,500.00	7,230.25	15,612.88	7,357.63	135.29	141.91	100.32	-397.22	8,468.85	711.19	436.36	274.84	2.588		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 1N-27C-XR - 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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
15,600.00	7,230.08	15,712.87	7,357.57	136.93	143.58	100.32	-397.88	8,568.85	711.68	433.58	278.10	2.559		
15,700.00	7,229.90	15,812.87	7,357.51	138.57	145.24	100.32	-398.54	8,668.84	712.17	430.80	281.37	2.531		
15,800.00	7,229.73	15,912.87	7,357.46	140.21	146.90	100.32	-399.20	8,768.84	712.65	428.01	284.64	2.504		
15,900.00	7,229.55	16,016.96	7,357.40	141.85	148.63	100.33	-399.84	8,872.92	713.10	425.13	287.97	2.476		
16,000.00	7,229.38	16,122.08	7,357.34	143.50	150.38	100.35	-399.23	8,978.04	712.35	421.06	291.29	2.445		
16,100.00	7,229.21	16,222.08	7,357.29	145.14	152.04	100.37	-398.58	9,078.04	711.55	417.00	294.55	2.416		
16,200.00	7,229.03	16,322.07	7,357.23	146.78	153.70	100.39	-397.93	9,178.03	710.74	412.93	297.81	2.387		
16,300.00	7,228.86	16,422.07	7,357.18	148.43	155.36	100.41	-397.28	9,278.03	709.94	408.87	301.07	2.358		
16,400.00	7,228.68	16,522.06	7,357.12	150.07	157.02	100.44	-396.63	9,378.02	709.13	404.81	304.33	2.330		
16,500.00	7,228.51	16,622.06	7,357.07	151.72	158.68	100.46	-395.98	9,478.01	708.33	400.74	307.59	2.303		
16,600.00	7,228.33	16,722.06	7,357.01	153.37	160.34	100.48	-395.33	9,578.01	707.52	396.68	310.85	2.276		
16,700.00	7,228.16	16,822.05	7,356.95	155.01	162.01	100.50	-394.67	9,678.00	706.72	392.61	314.11	2.250		
16,800.00	7,227.98	16,922.05	7,356.90	156.66	163.67	100.52	-394.02	9,778.00	705.91	388.55	317.37	2.224		
16,900.00	7,227.81	17,022.05	7,356.84	158.31	165.33	100.55	-393.37	9,877.99	705.11	384.48	320.63	2.199		
17,000.00	7,227.64	17,122.04	7,356.79	159.96	166.99	100.57	-392.72	9,977.99	704.31	380.42	323.89	2.175		
17,100.00	7,227.46	17,222.04	7,356.73	161.61	168.66	100.59	-392.07	10,077.98	703.50	376.35	327.15	2.150		
17,200.00	7,227.29	17,322.04	7,356.68	163.26	170.32	100.61	-391.42	10,177.97	702.70	372.29	330.41	2.127		
17,300.00	7,227.11	17,422.03	7,356.62	164.91	171.98	100.63	-390.76	10,277.97	701.89	368.22	333.67	2.104		
17,400.00	7,226.94	17,522.03	7,356.57	166.56	173.65	100.66	-390.11	10,377.96	701.09	364.16	336.93	2.081		
17,500.00	7,226.76	17,622.03	7,356.51	168.21	175.31	100.68	-389.46	10,477.96	700.28	360.09	340.19	2.058		
17,600.00	7,226.59	17,722.02	7,356.46	169.86	176.97	100.70	-388.81	10,577.95	699.48	356.02	343.46	2.037		
17,700.00	7,226.41	17,822.02	7,356.40	171.51	178.64	100.72	-388.16	10,677.95	698.68	351.96	346.72	2.015		
17,800.00	7,226.24	17,922.01	7,356.35	173.16	180.30	100.75	-387.51	10,777.94	697.87	347.89	349.98	1.994		
17,900.00	7,226.07	18,022.01	7,356.29	174.81	181.97	100.77	-386.86	10,877.93	697.07	343.83	353.24	1.973		
18,000.00	7,225.89	18,122.01	7,356.23	176.47	183.63	100.79	-386.20	10,977.93	696.27	339.76	356.51	1.953		
18,100.00	7,225.72	18,222.00	7,356.18	178.12	185.29	100.81	-385.55	11,077.92	695.46	335.69	359.77	1.933		
18,200.00	7,225.54	18,322.00	7,356.12	179.77	186.96	100.84	-384.90	11,177.92	694.66	331.63	363.03	1.914		
18,300.00	7,225.37	18,422.00	7,356.07	181.43	188.62	100.86	-384.25	11,277.91	693.86	327.56	366.29	1.894		
18,400.00	7,225.19	18,521.99	7,356.01	183.08	190.29	100.88	-383.60	11,377.91	693.05	323.50	369.56	1.875		
18,500.00	7,225.02	18,621.99	7,355.96	184.74	191.95	100.90	-382.95	11,477.90	692.25	319.43	372.82	1.857		
18,600.00	7,224.85	18,721.99	7,355.90	186.39	193.62	100.93	-382.30	11,577.89	691.45	315.37	376.08	1.839		
18,700.00	7,224.67	18,821.98	7,355.85	188.05	195.28	100.95	-381.64	11,677.89	690.65	311.30	379.34	1.821		
18,800.00	7,224.50	18,921.98	7,355.79	189.70	196.95	100.97	-380.99	11,777.88	689.84	307.24	382.61	1.803		
18,900.00	7,224.32	19,021.97	7,355.74	191.36	198.61	101.00	-380.34	11,877.88	689.04	303.17	385.87	1.786		
19,000.00	7,224.15	19,121.97	7,355.68	193.01	200.28	101.02	-379.69	11,977.87	688.24	299.11	389.13	1.769		
19,100.00	7,223.97	19,221.97	7,355.63	194.67	201.94	101.04	-379.04	12,077.86	687.44	295.04	392.39	1.752		
19,200.00	7,223.80	19,321.96	7,355.57	196.32	203.61	101.07	-378.39	12,177.86	686.63	290.98	395.66	1.735		
19,300.00	7,223.62	19,421.96	7,355.51	197.98	205.27	101.09	-377.74	12,277.85	685.83	286.91	398.92	1.719		
19,400.00	7,223.45	19,521.96	7,355.46	199.64	206.94	101.11	-377.08	12,377.85	685.03	282.85	402.18	1.703		
19,500.00	7,223.28	19,621.95	7,355.40	201.30	208.61	101.14	-376.43	12,477.84	684.23	278.79	405.44	1.688		
19,600.00	7,223.10	19,721.95	7,355.35	202.95	210.27	101.16	-375.78	12,577.84	683.43	274.72	408.70	1.672		
19,700.00	7,222.93	19,821.95	7,355.29	204.61	211.94	101.18	-375.13	12,677.83	682.62	270.66	411.97	1.657		
19,800.00	7,222.75	19,921.94	7,355.24	206.27	213.60	101.21	-374.48	12,777.82	681.82	266.60	415.23	1.642		
19,900.00	7,222.58	20,021.94	7,355.18	207.93	215.27	101.23	-373.83	12,877.82	681.02	262.53	418.49	1.627		
20,000.00	7,222.40	20,121.94	7,355.13	209.59	216.94	101.25	-373.18	12,977.81	680.22	258.47	421.75	1.613		
20,100.00	7,222.23	20,221.93	7,355.07	211.24	218.60	101.28	-372.52	13,077.81	679.42	254.41	425.01	1.599		
20,200.00	7,222.05	20,321.93	7,355.02	212.90	220.27	101.30	-371.87	13,177.80	678.62	250.35	428.27	1.585		
20,231.13	7,222.00	20,353.06	7,355.00	213.42	220.79	101.31	-371.67	13,208.93	678.37	249.08	429.29	1.580 SF		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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, 7745-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	-0.40	40.07	-0.28	40.07					
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	40.07	-0.28	40.07	32.54	7.53	5.323		
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	40.07	-0.28	40.07	32.50	7.57	5.291		
300.00	299.98	298.63	298.61	3.35	3.35	9.28	41.76	-0.44	40.06	32.40	7.66	5.230 CC		
302.16	302.14	300.76	300.74	3.35	3.35	9.28	41.84	-0.45	40.06	32.40	7.66	5.228		
400.00	399.88	397.24	397.09	3.42	3.42	9.61	46.83	-0.93	40.82	33.04	7.78	5.245		
500.00	499.77	503.01	496.57	3.51	3.52	9.68	54.13	-1.63	43.59	35.63	7.96	5.473		
600.00	599.67	603.05	596.25	3.62	3.63	9.73	61.49	-2.34	46.39	38.21	8.18	5.671		
700.00	699.56	703.09	695.94	3.74	3.75	9.78	68.84	-3.05	49.20	40.77	8.43	5.834		
800.00	799.45	803.13	795.63	3.88	3.90	9.83	76.20	-3.76	52.00	43.28	8.72	5.965		
900.00	899.35	896.84	895.31	4.04	4.05	9.87	83.56	-4.47	54.81	45.79	9.02	6.075		
1,000.00	999.24	996.80	995.00	4.21	4.23	9.90	90.91	-5.17	57.61	48.25	9.36	6.154		
1,100.00	1,099.13	1,103.24	1,094.69	4.39	4.43	9.93	98.27	-5.88	60.42	50.68	9.74	6.206		
1,200.00	1,199.03	1,196.72	1,194.38	4.58	4.62	9.96	105.63	-6.59	63.22	53.12	10.10	6.257		
1,300.00	1,298.92	1,303.32	1,294.06	4.78	4.84	9.99	112.98	-7.30	66.03	55.51	10.52	6.277		
1,400.00	1,398.81	1,403.36	1,393.75	4.98	5.06	10.01	120.34	-8.01	68.83	57.90	10.93	6.295		
1,500.00	1,498.70	1,503.40	1,493.44	5.20	5.28	10.04	127.70	-8.72	71.63	60.27	11.36	6.304		
1,600.00	1,598.60	1,603.44	1,593.12	5.42	5.52	10.06	135.05	-9.42	74.44	62.63	11.80	6.306		
1,700.00	1,698.49	1,703.48	1,692.81	5.64	5.75	10.08	142.41	-10.13	77.24	64.99	12.26	6.302		
1,800.00	1,798.38	1,803.52	1,792.50	5.88	5.99	10.10	149.77	-10.84	80.05	67.33	12.72	6.294		
1,900.00	1,898.28	1,903.56	1,892.19	6.11	6.24	10.11	157.12	-11.55	82.85	70.04	12.81	6.469		
2,000.00	1,998.17	2,003.60	1,991.87	6.35	6.49	10.13	164.48	-12.26	85.66	72.37	13.29	6.447		
2,100.00	2,098.06	2,103.64	2,091.56	6.59	6.74	10.14	171.84	-12.97	88.46	74.69	13.77	6.424		
2,200.00	2,197.96	2,203.68	2,191.25	6.83	7.00	10.16	179.19	-13.67	91.27	77.01	14.26	6.400		
2,300.00	2,297.85	2,303.72	2,290.93	7.08	7.26	10.17	186.55	-14.38	94.07	79.31	14.75	6.376		
2,400.00	2,397.74	2,403.75	2,390.62	7.33	7.52	10.18	193.91	-15.09	96.87	81.62	15.25	6.350		
2,500.00	2,497.63	2,503.79	2,490.31	7.58	7.78	10.19	201.26	-15.80	99.68	83.92	15.76	6.325		
2,600.00	2,597.53	2,603.83	2,590.00	7.84	8.04	10.21	208.62	-16.51	102.48	86.22	16.27	6.300		
2,700.00	2,697.42	2,703.87	2,689.68	8.09	8.31	10.22	215.98	-17.22	105.29	88.51	16.78	6.275		
2,800.00	2,797.31	2,803.91	2,789.37	8.35	8.58	10.23	223.33	-17.92	108.09	90.80	17.29	6.251		
2,900.00	2,897.21	2,903.95	2,889.06	8.61	8.85	10.24	230.69	-18.63	110.90	93.09	17.81	6.226		
3,000.00	2,997.10	3,003.99	2,988.74	8.87	9.12	10.24	238.04	-19.34	113.70	95.37	18.33	6.203		
3,100.00	3,096.99	3,104.03	3,088.43	9.13	9.39	10.25	245.40	-20.05	116.51	97.65	18.85	6.179		
3,200.00	3,196.89	3,204.07	3,188.12	9.39	9.67	10.26	252.76	-20.76	119.31	99.93	19.38	6.157		
3,300.00	3,296.78	3,304.11	3,287.81	9.65	9.94	10.27	260.11	-21.47	122.11	102.21	19.91	6.135		
3,400.00	3,396.67	3,404.15	3,387.49	9.92	10.22	10.28	267.47	-22.17	124.92	104.48	20.43	6.113		
3,500.00	3,496.57	3,504.19	3,487.18	10.18	10.49	10.28	274.83	-22.88	127.72	106.76	20.97	6.092		
3,600.00	3,596.46	3,604.23	3,586.87	10.45	10.77	10.29	282.18	-23.59	130.53	109.03	21.50	6.072		
3,700.00	3,696.35	3,704.27	3,686.55	10.71	11.05	10.30	289.54	-24.30	133.33	111.30	22.03	6.052		
3,800.00	3,796.24	3,804.31	3,786.24	10.98	11.33	10.30	296.90	-25.01	136.14	113.57	22.57	6.033		
3,900.00	3,896.14	3,904.34	3,885.93	11.25	11.60	10.31	304.25	-25.72	138.94	115.84	23.10	6.014		
4,000.00	3,996.03	4,004.38	3,985.61	11.52	11.88	10.31	311.61	-26.42	141.75	118.11	23.64	5.996		
4,100.00	4,095.92	4,104.42	4,085.30	11.79	12.16	10.32	318.97	-27.13	144.55	120.37	24.18	5.978		
4,200.00	4,195.82	4,204.46	4,184.99	12.06	12.45	10.32	326.32	-27.84	147.36	122.64	24.72	5.961		
4,300.00	4,295.71	4,304.50	4,284.68	12.33	12.73	10.33	333.68	-28.55	150.16	124.90	25.26	5.945		
4,400.00	4,395.60	4,404.54	4,384.36	12.60	13.01	10.33	341.04	-29.26	152.96	127.16	25.80	5.929		
4,500.00	4,495.50	4,504.58	4,484.05	12.87	13.29	10.34	348.39	-29.97	155.77	129.43	26.34	5.913		
4,600.00	4,595.39	4,604.62	4,583.74	13.14	13.57	10.34	355.75	-30.67	158.57	131.69	26.89	5.898		
4,700.00	4,695.28	4,704.66	4,683.42	13.41	13.86	10.35	363.11	-31.38	161.38	133.95	27.43	5.883		
4,800.00	4,795.18	4,804.70	4,783.11	13.68	14.14	10.35	370.46	-32.09	164.18	136.21	27.97	5.869		
4,900.00	4,895.07	4,895.26	4,882.80	13.95	14.40	10.36	377.82	-32.80	166.99	138.49	28.49	5.860		
5,000.00	4,994.96	5,004.78	4,982.49	14.23	14.71	10.36	385.17	-33.51	169.79	140.73	29.07	5.842		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 26C-27-XR - Wellbore #1 - Design #1													Offset Site Error: 0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7745-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	5,094.85	5,104.82	5,082.17	14.50	14.99	10.36	392.53	-34.22	172.60	142.98	29.61	5.829		
5,200.00	5,194.75	5,204.86	5,181.86	14.77	15.27	10.37	399.89	-34.92	175.40	145.24	30.16	5.816		
5,300.00	5,294.64	5,304.90	5,281.55	15.05	15.56	10.37	407.24	-35.63	178.21	147.50	30.71	5.803		
5,400.00	5,394.53	5,404.93	5,381.23	15.32	15.84	10.38	414.60	-36.34	181.01	149.75	31.25	5.791		
5,500.00	5,494.43	5,504.97	5,480.92	15.59	16.13	10.38	421.96	-37.05	183.81	152.01	31.80	5.780		
5,600.00	5,594.32	5,605.01	5,580.61	15.87	16.41	10.38	429.31	-37.76	186.62	154.27	32.35	5.768		
5,700.00	5,694.21	5,705.05	5,680.30	16.14	16.70	10.39	436.67	-38.47	189.42	156.52	32.90	5.757		
5,800.00	5,794.11	5,805.09	5,779.98	16.42	16.99	10.39	444.03	-39.18	192.23	158.78	33.45	5.746		
5,900.00	5,894.00	5,905.13	5,879.67	16.69	17.27	10.39	451.38	-39.88	195.03	161.03	34.00	5.736		
6,000.00	5,993.89	6,005.17	5,979.36	16.97	17.56	10.39	458.74	-40.59	197.84	163.28	34.55	5.726		
6,100.00	6,093.79	6,094.79	6,079.04	17.24	17.81	10.40	466.10	-41.30	200.64	165.57	35.07	5.720		
6,200.00	6,193.68	6,205.25	6,178.73	17.52	18.13	10.40	473.45	-42.01	203.45	167.79	35.65	5.706		
6,300.00	6,293.57	6,305.29	6,278.42	17.79	18.42	10.40	480.81	-42.72	206.25	170.04	36.21	5.697		
6,400.00	6,393.46	6,405.33	6,378.10	18.07	18.70	10.40	488.17	-43.43	209.05	172.30	36.76	5.687		
6,500.00	6,493.36	6,505.37	6,477.79	18.35	18.99	10.41	495.52	-44.13	211.86	174.55	37.31	5.678		
6,600.00	6,593.25	6,605.41	6,577.48	18.62	19.28	10.41	502.88	-44.84	214.66	176.80	37.86	5.670		
6,700.00	6,692.89	6,694.26	6,676.87	18.87	19.53	-71.74	510.21	-45.55	217.46	179.11	38.35	5.671		
6,800.00	6,790.44	6,793.74	6,776.03	19.10	19.80	-86.26	517.53	-43.90	221.34	182.51	38.84	5.699		
6,900.00	6,883.50	6,896.91	6,877.50	19.32	20.05	-94.14	524.97	-27.49	227.00	187.65	39.35	5.769		
7,000.00	6,969.78	7,003.90	6,978.50	19.55	20.30	-100.02	532.35	6.63	234.01	194.14	39.87	5.869		
7,100.00	7,047.15	7,114.89	7,075.73	19.97	20.55	-104.77	539.40	59.40	241.80	201.41	40.39	5.986		
7,200.00	7,113.71	7,229.92	7,165.28	20.55	20.82	-108.60	545.84	131.07	249.67	208.70	40.97	6.094		
7,300.00	7,167.82	7,348.80	7,242.76	21.38	21.41	-111.60	551.35	220.83	256.91	215.15	41.77	6.151		
7,400.00	7,208.14	7,471.05	7,303.69	22.49	22.50	-113.79	555.60	326.51	262.83	219.81	43.03	6.109		
7,500.00	7,233.69	7,595.89	7,343.98	23.90	24.05	-115.19	558.30	444.43	266.87	221.92	44.95	5.937		
7,600.00	7,243.83	7,722.27	7,360.64	25.55	26.04	-115.79	559.24	569.49	268.61	220.97	47.65	5.638		
7,700.00	7,243.86	7,827.00	7,360.86	26.79	27.44	-115.82	559.01	674.22	268.63	219.25	49.37	5.441		
7,800.00	7,243.68	7,927.00	7,360.70	26.98	27.63	-115.83	558.77	774.22	268.58	218.85	49.74	5.400		
7,900.00	7,243.51	8,027.00	7,360.53	27.27	27.91	-115.84	558.53	874.22	268.54	218.25	50.29	5.340		
8,000.00	7,243.33	8,127.00	7,360.36	27.65	28.26	-115.84	558.28	974.22	268.49	217.47	51.02	5.262		
8,100.00	7,243.16	8,227.00	7,360.20	28.12	28.70	-115.85	558.04	1,074.22	268.45	216.51	51.94	5.169		
8,200.00	7,242.98	8,327.00	7,360.03	28.68	29.23	-115.85	557.80	1,174.22	268.40	215.38	53.02	5.063		
8,300.00	7,242.81	8,427.00	7,359.86	29.33	29.85	-115.86	557.55	1,274.22	268.35	214.10	54.25	4.946		
8,400.00	7,242.63	8,527.00	7,359.70	30.06	30.55	-115.87	557.31	1,374.21	268.31	212.67	55.64	4.823		
8,500.00	7,242.46	8,627.00	7,359.53	30.86	31.33	-115.87	557.06	1,474.21	268.26	211.11	57.16	4.694		
8,600.00	7,242.29	8,727.00	7,359.37	31.73	32.18	-115.88	556.82	1,574.21	268.22	209.42	58.80	4.562		
8,700.00	7,242.11	8,827.00	7,359.20	32.66	33.09	-115.89	556.58	1,674.21	268.17	207.61	60.56	4.428		
8,800.00	7,241.94	8,927.00	7,359.03	33.66	34.07	-115.89	556.33	1,774.21	268.13	205.70	62.42	4.295		
8,900.00	7,241.76	9,027.00	7,358.87	34.70	35.10	-115.90	556.09	1,874.21	268.08	203.70	64.38	4.164		
9,000.00	7,241.59	9,127.00	7,358.70	35.80	36.19	-115.91	555.85	1,974.21	268.04	201.61	66.43	4.035		
9,100.00	7,241.41	9,227.00	7,358.53	36.93	37.31	-115.91	555.60	2,074.21	267.99	199.44	68.55	3.909		
9,200.00	7,241.24	9,327.00	7,358.37	38.11	38.48	-115.92	555.36	2,174.21	267.94	197.19	70.75	3.787		
9,300.00	7,241.07	9,427.00	7,358.20	39.33	39.69	-115.93	555.12	2,274.21	267.90	194.88	73.02	3.669		
9,400.00	7,240.89	9,527.00	7,358.03	40.57	40.93	-115.93	554.87	2,374.21	267.85	192.52	75.34	3.555		
9,500.00	7,240.72	9,627.00	7,357.87	41.85	42.20	-115.94	554.63	2,474.21	267.81	190.09	77.71	3.446		
9,600.00	7,240.54	9,727.00	7,357.70	43.15	43.50	-115.95	554.38	2,574.21	267.76	187.62	80.14	3.341		
9,700.00	7,240.37	9,827.00	7,357.53	44.48	44.82	-115.95	554.14	2,674.21	267.72	185.11	82.61	3.241		
9,800.00	7,240.19	9,927.00	7,357.37	45.83	46.17	-115.96	553.90	2,774.21	267.67	182.55	85.12	3.145		
9,900.00	7,240.02	10,027.00	7,357.20	47.21	47.53	-115.97	553.65	2,874.21	267.62	179.95	87.67	3.053		
10,000.00	7,239.84	10,127.00	7,357.03	48.60	48.92	-115.97	553.41	2,974.21	267.58	177.33	90.25	2.965		
10,100.00	7,239.67	10,227.00	7,356.87	50.00	50.32	-115.98	553.17	3,074.21	267.53	174.67	92.87	2.881		
10,200.00	7,239.50	10,327.00	7,356.70	51.43	51.74	-115.99	552.92	3,174.21	267.49	171.98	95.51	2.801		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 26C-27-XR - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7745-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	7,239.32	10,427.00	7,356.53	52.87	53.18	-115.99	552.68	3,274.21	267.44	169.26	98.18	2.724		
10,400.00	7,239.15	10,527.00	7,356.37	54.32	54.63	-116.00	552.44	3,374.21	267.40	166.53	100.87	2.651		
10,500.00	7,238.97	10,627.00	7,356.20	55.78	56.09	-116.01	552.19	3,474.21	267.35	163.77	103.59	2.581		
10,600.00	7,238.80	10,727.00	7,356.03	57.26	57.56	-116.01	551.95	3,574.20	267.31	160.98	106.32	2.514		
10,700.00	7,238.62	10,827.00	7,355.87	58.75	59.04	-116.02	551.70	3,674.20	267.26	158.18	109.08	2.450		
10,800.00	7,238.45	10,927.00	7,355.70	60.24	60.54	-116.03	551.46	3,774.20	267.21	155.37	111.85	2.389		
10,900.00	7,238.27	11,027.00	7,355.54	61.75	62.04	-116.03	551.22	3,874.20	267.17	152.53	114.64	2.331		
11,000.00	7,238.10	11,127.00	7,355.37	63.26	63.55	-116.04	550.97	3,974.20	267.12	149.68	117.44	2.275		
11,100.00	7,237.93	11,227.00	7,355.20	64.78	65.07	-116.05	550.73	4,074.20	267.08	146.82	120.25	2.221		
11,200.00	7,237.75	11,327.00	7,355.04	66.31	66.59	-116.05	550.49	4,174.20	267.03	143.95	123.08	2.169		
11,300.00	7,237.58	11,427.00	7,354.87	67.85	68.13	-116.06	550.24	4,274.20	266.99	141.06	125.93	2.120		
11,400.00	7,237.40	11,527.00	7,354.70	69.39	69.67	-116.07	550.00	4,374.20	266.94	138.16	128.78	2.073		
11,500.00	7,237.23	11,627.00	7,354.54	70.94	71.21	-116.07	549.76	4,474.20	266.90	135.25	131.64	2.027		
11,600.00	7,237.05	11,727.00	7,354.37	72.49	72.76	-116.08	549.51	4,574.20	266.85	132.33	134.52	1.984		
11,700.00	7,236.88	11,827.00	7,354.20	74.05	74.32	-116.09	549.27	4,674.20	266.80	129.40	137.40	1.942		
11,800.00	7,236.70	11,927.00	7,354.04	75.61	75.88	-116.09	549.03	4,774.20	266.76	126.47	140.29	1.901		
11,900.00	7,236.53	12,027.00	7,353.87	77.18	77.45	-116.10	548.78	4,874.20	266.71	123.52	143.19	1.863		
12,000.00	7,236.36	12,127.00	7,353.70	78.75	79.02	-116.11	548.54	4,974.20	266.67	120.57	146.10	1.825		
12,100.00	7,236.18	12,227.00	7,353.54	80.33	80.59	-116.11	548.29	5,074.20	266.62	117.61	149.01	1.789		
12,200.00	7,236.01	12,327.00	7,353.37	81.91	82.17	-116.12	548.05	5,174.20	266.58	114.65	151.93	1.755		
12,300.00	7,235.83	12,427.00	7,353.20	83.49	83.75	-116.13	547.81	5,274.20	266.53	111.67	154.86	1.721		
12,400.00	7,235.66	12,527.00	7,353.04	85.08	85.34	-116.13	547.56	5,374.20	266.49	108.70	157.79	1.689		
12,500.00	7,235.48	12,627.00	7,352.87	86.67	86.93	-116.14	547.32	5,474.20	266.44	105.71	160.73	1.658		
12,600.00	7,235.31	12,727.00	7,352.70	88.26	88.52	-116.15	547.08	5,574.20	266.39	102.72	163.67	1.628		
12,700.00	7,235.14	12,827.00	7,352.54	89.86	90.11	-116.15	546.83	5,674.20	266.35	99.73	166.62	1.599		
12,800.00	7,234.96	12,927.00	7,352.37	91.45	91.71	-116.16	546.59	5,774.19	266.30	96.73	169.57	1.570		
12,900.00	7,234.79	13,027.00	7,352.20	93.06	93.31	-116.17	546.35	5,874.19	266.26	93.73	172.53	1.543		
13,000.00	7,234.61	13,127.00	7,352.04	94.66	94.91	-116.17	546.10	5,974.19	266.21	90.72	175.49	1.517		
13,100.00	7,234.44	13,227.00	7,351.87	96.26	96.52	-116.18	545.86	6,074.19	266.17	87.71	178.46	1.491 Level 3		
13,200.00	7,234.26	13,327.00	7,351.71	97.87	98.13	-116.19	545.61	6,174.19	266.12	84.69	181.43	1.467 Level 3		
13,300.00	7,234.09	13,427.00	7,351.54	99.48	99.74	-116.19	545.37	6,274.19	266.08	81.68	184.40	1.443 Level 3		
13,400.00	7,233.91	13,527.00	7,351.37	101.10	101.35	-116.20	545.13	6,374.19	266.03	78.65	187.38	1.420 Level 3		
13,500.00	7,233.74	13,627.00	7,351.21	102.71	102.96	-116.21	544.88	6,474.19	265.98	75.63	190.36	1.397 Level 3		
13,600.00	7,233.57	13,727.00	7,351.04	104.33	104.58	-116.21	544.64	6,574.19	265.94	72.60	193.34	1.376 Level 3		
13,700.00	7,233.39	13,827.00	7,350.87	105.94	106.19	-116.22	544.40	6,674.19	265.89	69.57	196.32	1.354 Level 3		
13,800.00	7,233.22	13,927.00	7,350.71	107.56	107.81	-116.23	544.15	6,774.19	265.85	66.54	199.31	1.334 Level 3		
13,900.00	7,233.04	14,027.00	7,350.54	109.18	109.43	-116.23	543.91	6,874.19	265.80	63.50	202.30	1.314 Level 3		
14,000.00	7,232.87	14,127.00	7,350.37	110.81	111.05	-116.24	543.67	6,974.19	265.76	60.46	205.30	1.295 Level 3		
14,100.00	7,232.69	14,227.00	7,350.21	112.43	112.68	-116.25	543.42	7,074.19	265.71	57.42	208.29	1.276 Level 3		
14,200.00	7,232.52	14,327.00	7,350.04	114.06	114.30	-116.25	543.18	7,174.19	265.67	54.38	211.29	1.257 Level 3		
14,300.00	7,232.34	14,427.00	7,349.87	115.68	115.93	-116.26	542.93	7,274.19	265.62	51.33	214.29	1.240 Level 2		
14,400.00	7,232.17	14,527.00	7,349.71	117.31	117.55	-116.27	542.69	7,374.19	265.58	48.28	217.29	1.222 Level 2		
14,500.00	7,232.00	14,627.00	7,349.54	118.94	119.18	-116.28	542.45	7,474.19	265.53	45.23	220.30	1.205 Level 2		
14,600.00	7,231.82	14,727.00	7,349.37	120.57	120.81	-116.28	542.20	7,574.19	265.48	42.18	223.30	1.189 Level 2		
14,700.00	7,231.65	14,827.00	7,349.21	122.20	122.44	-116.29	541.96	7,674.19	265.44	39.13	226.31	1.173 Level 2		
14,800.00	7,231.47	14,927.00	7,349.04	123.83	124.08	-116.30	541.72	7,774.19	265.39	36.07	229.32	1.157 Level 2		
14,900.00	7,231.30	15,027.00	7,348.87	125.47	125.71	-116.30	541.47	7,874.19	265.35	33.02	232.33	1.142 Level 2		
15,000.00	7,231.12	15,127.00	7,348.71	127.10	127.34	-116.31	541.23	7,974.18	265.30	29.96	235.35	1.127 Level 2		
15,100.00	7,230.95	15,227.00	7,348.54	128.74	128.98	-116.32	540.99	8,074.18	265.26	26.90	238.36	1.113 Level 2		
15,200.00	7,230.77	15,327.00	7,348.37	130.38	130.61	-116.32	540.74	8,174.18	265.21	23.84	241.37	1.099 Level 2		
15,300.00	7,230.60	15,427.00	7,348.21	132.01	132.25	-116.33	540.50	8,274.18	265.17	20.77	244.39	1.085 Level 2		
15,400.00	7,230.43	15,527.00	7,348.04	133.65	133.89	-116.34	540.26	8,374.18	265.12	17.71	247.41	1.072 Level 2		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 26C-27-XR - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7745-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	7,230.25	15,627.00	7,347.88	135.29	135.53	-116.34	540.01	8,474.18	265.08	14.65	250.43	1.058	Level 2
15,600.00	7,230.08	15,727.00	7,347.71	136.93	137.17	-116.35	539.77	8,574.18	265.03	11.58	253.45	1.046	Level 2
15,700.00	7,229.90	15,827.00	7,347.54	138.57	138.81	-116.36	539.52	8,674.18	264.98	8.51	256.47	1.033	Level 2
15,800.00	7,229.73	15,927.00	7,347.38	140.21	140.45	-116.36	539.28	8,774.18	264.94	5.44	259.50	1.021	Level 2
15,900.00	7,229.55	16,027.00	7,347.21	141.85	142.09	-116.37	539.04	8,874.18	264.89	2.37	262.52	1.009	Level 2
16,000.00	7,229.38	16,127.00	7,347.04	143.50	143.73	-116.38	538.79	8,974.18	264.85	-0.70	265.54	0.997	Level 1
16,100.00	7,229.21	16,227.00	7,346.88	145.14	145.37	-116.38	538.55	9,074.18	264.80	-3.77	268.57	0.986	Level 1
16,200.00	7,229.03	16,327.00	7,346.71	146.78	147.02	-116.39	538.31	9,174.18	264.76	-6.84	271.60	0.975	Level 1
16,300.00	7,228.86	16,427.00	7,346.54	148.43	148.66	-116.40	538.06	9,274.18	264.71	-9.91	274.63	0.964	Level 1
16,400.00	7,228.68	16,527.00	7,346.38	150.07	150.31	-116.40	537.82	9,374.18	264.67	-12.99	277.65	0.953	Level 1
16,500.00	7,228.51	16,627.00	7,346.21	151.72	151.95	-116.41	537.58	9,474.18	264.62	-16.06	280.68	0.943	Level 1
16,600.00	7,228.33	16,727.00	7,346.04	153.37	153.60	-116.42	537.33	9,574.18	264.58	-19.14	283.71	0.933	Level 1
16,700.00	7,228.16	16,827.00	7,345.88	155.01	155.24	-116.42	537.09	9,674.18	264.53	-22.21	286.74	0.923	Level 1
16,800.00	7,227.98	16,927.00	7,345.71	156.66	156.89	-116.43	536.84	9,774.18	264.49	-25.29	289.78	0.913	Level 1
16,900.00	7,227.81	17,027.00	7,345.54	158.31	158.54	-116.44	536.60	9,874.18	264.44	-28.37	292.81	0.903	Level 1
17,000.00	7,227.64	17,127.00	7,345.38	159.96	160.19	-116.44	536.36	9,974.18	264.39	-31.45	295.84	0.894	Level 1
17,100.00	7,227.46	17,227.00	7,345.21	161.61	161.84	-116.45	536.11	10,074.18	264.35	-34.53	298.87	0.884	Level 1
17,200.00	7,227.29	17,327.00	7,345.04	163.26	163.48	-116.46	535.87	10,174.18	264.30	-37.60	301.91	0.875	Level 1
17,300.00	7,227.11	17,427.00	7,344.88	164.91	165.13	-116.46	535.63	10,274.17	264.26	-40.69	304.94	0.867	Level 1
17,400.00	7,226.94	17,527.00	7,344.71	166.56	166.78	-116.47	535.38	10,374.17	264.21	-43.77	307.98	0.858	Level 1
17,500.00	7,226.76	17,627.00	7,344.55	168.21	168.44	-116.48	535.14	10,474.17	264.17	-46.85	311.01	0.849	Level 1
17,600.00	7,226.59	17,727.00	7,344.38	169.86	170.09	-116.49	534.90	10,574.17	264.12	-49.93	314.05	0.841	Level 1
17,700.00	7,226.41	17,827.00	7,344.21	171.51	171.74	-116.49	534.65	10,674.17	264.08	-53.01	317.09	0.833	Level 1
17,800.00	7,226.24	17,927.00	7,344.05	173.16	173.39	-116.50	534.41	10,774.17	264.03	-56.09	320.12	0.825	Level 1
17,900.00	7,226.07	18,027.00	7,343.88	174.81	175.04	-116.51	534.16	10,874.17	263.99	-59.18	323.16	0.817	Level 1
18,000.00	7,225.89	18,127.00	7,343.71	176.47	176.69	-116.51	533.92	10,974.17	263.94	-62.26	326.20	0.809	Level 1
18,100.00	7,225.72	18,227.00	7,343.55	178.12	178.35	-116.52	533.68	11,074.17	263.90	-65.34	329.24	0.802	Level 1
18,200.00	7,225.54	18,327.00	7,343.38	179.77	180.00	-116.53	533.43	11,174.17	263.85	-68.43	332.28	0.794	Level 1
18,300.00	7,225.37	18,427.00	7,343.21	181.43	181.65	-116.53	533.19	11,274.17	263.81	-71.51	335.32	0.787	Level 1
18,400.00	7,225.19	18,527.00	7,343.05	183.08	183.31	-116.54	532.95	11,374.17	263.76	-74.60	338.36	0.780	Level 1
18,500.00	7,225.02	18,627.00	7,342.88	184.74	184.96	-116.55	532.70	11,474.17	263.71	-77.68	341.40	0.772	Level 1
18,600.00	7,224.85	18,727.00	7,342.71	186.39	186.62	-116.55	532.46	11,574.17	263.67	-80.77	344.44	0.766	Level 1
18,700.00	7,224.67	18,827.00	7,342.55	188.05	188.27	-116.56	532.22	11,674.17	263.62	-83.85	347.48	0.759	Level 1
18,800.00	7,224.50	18,927.00	7,342.38	189.70	189.93	-116.57	531.97	11,774.17	263.58	-86.94	350.52	0.752	Level 1
18,900.00	7,224.32	19,027.00	7,342.21	191.36	191.58	-116.57	531.73	11,874.17	263.53	-90.02	353.56	0.745	Level 1
19,000.00	7,224.15	19,127.00	7,342.05	193.01	193.24	-116.58	531.48	11,974.17	263.49	-93.11	356.60	0.739	Level 1
19,100.00	7,223.97	19,227.00	7,341.88	194.67	194.89	-116.59	531.24	12,074.17	263.44	-96.20	359.64	0.733	Level 1
19,200.00	7,223.80	19,327.00	7,341.71	196.32	196.55	-116.59	531.00	12,174.17	263.40	-99.28	362.68	0.726	Level 1
19,300.00	7,223.62	19,427.00	7,341.55	197.98	198.21	-116.60	530.75	12,274.17	263.35	-102.37	365.72	0.720	Level 1
19,400.00	7,223.45	19,527.00	7,341.38	199.64	199.86	-116.61	530.51	12,374.17	263.31	-105.46	368.77	0.714	Level 1
19,500.00	7,223.28	19,627.00	7,341.21	201.30	201.52	-116.62	530.27	12,474.16	263.26	-108.55	371.81	0.708	Level 1
19,600.00	7,223.10	19,727.00	7,341.05	202.95	203.18	-116.62	530.02	12,574.16	263.22	-111.63	374.85	0.702	Level 1
19,700.00	7,222.93	19,827.00	7,340.88	204.61	204.83	-116.63	529.78	12,674.16	263.17	-114.72	377.89	0.696	Level 1
19,800.00	7,222.75	19,927.00	7,340.72	206.27	206.49	-116.64	529.54	12,774.16	263.13	-117.81	380.94	0.691	Level 1
19,900.00	7,222.58	20,027.00	7,340.55	207.93	208.15	-116.64	529.29	12,874.16	263.08	-120.90	383.98	0.685	Level 1
20,000.00	7,222.40	20,127.00	7,340.38	209.59	209.81	-116.65	529.05	12,974.16	263.04	-123.99	387.02	0.680	Level 1
20,100.00	7,222.23	20,227.00	7,340.22	211.24	211.47	-116.66	528.81	13,074.16	262.99	-127.08	390.07	0.674	Level 1
20,200.00	7,222.05	20,327.00	7,340.05	212.90	213.12	-116.66	528.56	13,174.16	262.95	-130.16	393.11	0.669	Level 1
20,231.13	7,222.00	20,358.13	7,340.00	213.42	213.64	-116.67	528.49	13,205.29	262.93	-131.13	394.06	0.667	Level 1, ES, SF

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 26N-27A-XR - 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	-0.80	20.04	-0.28	20.04					
100.00	100.00	100.00	100.00	3.28	3.28	-0.80	20.04	-0.28	20.04	12.51	7.53	2.662		
200.00	200.00	200.00	200.00	3.31	3.31	-0.80	20.04	-0.28	20.04	12.46	7.57	2.646 CC		
300.00	299.98	299.31	299.29	3.35	3.35	9.01	21.75	-0.46	20.04	12.38	7.66	2.616		
303.36	303.34	302.65	302.63	3.35	3.35	9.03	21.87	-0.47	20.04	12.38	7.66	2.615		
400.00	399.88	416.46	398.38	3.42	3.44	9.55	26.86	-1.00	20.82	13.02	7.80	2.669		
500.00	499.77	501.49	498.09	3.51	3.52	9.56	34.06	-1.75	23.46	15.49	7.96	2.946		
600.00	599.67	601.53	597.79	3.62	3.62	9.56	41.25	-2.51	26.10	17.92	8.18	3.191		
700.00	699.56	701.56	697.49	3.74	3.75	9.57	48.45	-3.26	28.74	20.31	8.43	3.409		
800.00	799.45	801.60	797.19	3.88	3.90	9.57	55.64	-4.02	31.38	22.67	8.72	3.600		
900.00	899.35	901.63	896.90	4.04	4.06	9.58	62.83	-4.78	34.02	24.99	9.03	3.768		
1,000.00	999.24	1,001.67	996.60	4.21	4.24	9.58	70.03	-5.53	36.66	27.30	9.37	3.913		
1,100.00	1,099.13	1,101.70	1,096.30	4.39	4.43	9.59	77.22	-6.29	39.31	29.57	9.73	4.039		
1,200.00	1,199.03	1,201.74	1,196.01	4.58	4.63	9.59	84.42	-7.05	41.95	31.83	10.11	4.148		
1,300.00	1,298.92	1,301.77	1,295.71	4.78	4.84	9.59	91.61	-7.80	44.59	34.08	10.51	4.241		
1,400.00	1,398.81	1,401.81	1,395.41	4.98	5.05	9.59	98.81	-8.56	47.23	36.30	10.93	4.321		
1,500.00	1,498.70	1,501.84	1,495.12	5.20	5.28	9.59	106.00	-9.31	49.87	38.51	11.36	4.391		
1,600.00	1,598.60	1,601.88	1,594.82	5.42	5.51	9.60	113.20	-10.07	52.51	40.71	11.80	4.450		
1,700.00	1,698.49	1,701.91	1,694.52	5.64	5.74	9.60	120.39	-10.83	55.15	42.90	12.25	4.502		
1,800.00	1,798.38	1,798.05	1,794.22	5.88	5.97	9.60	127.59	-11.58	57.80	45.09	12.70	4.550		
1,900.00	1,898.28	1,901.98	1,893.93	6.11	6.10	9.60	134.78	-12.34	60.44	47.76	12.68	4.766		
2,000.00	1,998.17	2,002.02	1,993.63	6.35	6.12	9.60	141.98	-13.09	63.08	50.15	12.93	4.879		
2,100.00	2,098.06	2,102.05	2,093.33	6.59	6.15	9.60	149.17	-13.85	65.72	52.52	13.20	4.980		
2,200.00	2,197.96	2,202.09	2,193.04	6.83	6.20	9.60	156.37	-14.61	68.36	54.88	13.48	5.072		
2,300.00	2,297.85	2,302.12	2,292.74	7.08	6.25	9.60	163.56	-15.36	71.00	57.23	13.78	5.154		
2,400.00	2,397.74	2,402.16	2,392.44	7.33	6.32	9.61	170.75	-16.12	73.64	59.56	14.09	5.227		
2,500.00	2,497.63	2,502.19	2,492.15	7.58	6.40	9.61	177.95	-16.88	76.29	61.87	14.41	5.292		
2,600.00	2,597.53	2,602.23	2,591.85	7.84	6.49	9.61	185.14	-17.63	78.93	64.17	14.76	5.349		
2,700.00	2,697.42	2,702.26	2,691.55	8.09	6.60	9.61	192.34	-18.39	81.57	66.46	15.11	5.399		
2,800.00	2,797.31	2,802.30	2,791.25	8.35	6.71	9.61	199.53	-19.14	84.21	68.74	15.47	5.442		
2,900.00	2,897.21	2,902.33	2,890.96	8.61	6.83	9.61	206.73	-19.90	86.85	71.00	15.85	5.480		
3,000.00	2,997.10	3,002.37	2,990.66	8.87	6.96	9.61	213.92	-20.66	89.49	73.26	16.24	5.511		
3,100.00	3,096.99	3,102.40	3,090.36	9.13	7.10	9.61	221.12	-21.41	92.13	75.50	16.64	5.538		
3,200.00	3,196.89	3,197.56	3,190.07	9.39	7.25	9.61	228.31	-22.17	94.78	77.74	17.04	5.563		
3,300.00	3,296.78	3,302.47	3,289.77	9.65	7.41	9.61	235.51	-22.93	97.42	79.96	17.46	5.580		
3,400.00	3,396.67	3,402.51	3,389.47	9.92	7.57	9.61	242.70	-23.68	100.06	82.17	17.88	5.595		
3,500.00	3,496.57	3,497.46	3,489.18	10.18	7.73	9.61	249.90	-24.44	102.70	84.39	18.31	5.609		
3,600.00	3,596.46	3,597.42	3,588.88	10.45	7.91	9.61	257.09	-25.19	105.34	86.59	18.75	5.619		
3,700.00	3,696.35	3,702.61	3,688.58	10.71	8.10	9.61	264.28	-25.95	107.98	88.78	19.20	5.623		
3,800.00	3,796.24	3,802.65	3,788.28	10.98	8.29	9.61	271.48	-26.71	110.62	90.97	19.66	5.628		
3,900.00	3,896.14	3,902.68	3,887.99	11.25	8.49	9.61	278.67	-27.46	113.27	93.15	20.12	5.630		
4,000.00	3,996.03	4,002.72	3,987.69	11.52	8.68	9.61	285.87	-28.22	115.91	95.33	20.58	5.632		
4,100.00	4,095.92	4,102.75	4,087.39	11.79	8.89	9.61	293.06	-28.97	118.55	97.50	21.05	5.631		
4,200.00	4,195.82	4,197.21	4,187.10	12.06	9.08	9.61	300.26	-29.73	121.19	99.67	21.52	5.633		
4,300.00	4,295.71	4,302.82	4,286.80	12.33	9.31	9.61	307.45	-30.49	123.83	101.83	22.01	5.627		
4,400.00	4,395.60	4,402.86	4,386.50	12.60	9.52	9.61	314.65	-31.24	126.47	103.98	22.49	5.624		
4,500.00	4,495.50	4,502.89	4,486.21	12.87	9.74	9.62	321.84	-32.00	129.11	106.14	22.98	5.619		
4,600.00	4,595.39	4,602.93	4,585.91	13.14	9.96	9.62	329.04	-32.76	131.76	108.29	23.47	5.614		
4,700.00	4,695.28	4,697.04	4,685.61	13.41	10.17	9.62	336.23	-33.51	134.40	110.45	23.95	5.612		
4,800.00	4,795.18	4,802.99	4,785.31	13.68	10.41	9.62	343.43	-34.27	137.04	112.58	24.46	5.602		
4,900.00	4,895.07	4,903.03	4,885.02	13.95	10.64	9.62	350.62	-35.02	139.68	114.72	24.96	5.596		
5,000.00	4,994.96	5,003.06	4,984.72	14.23	10.87	9.62	357.81	-35.78	142.32	116.86	25.46	5.589		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 26N-27A-XR - 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	5,094.85	5,103.10	5,084.42	14.50	11.11	9.62	365.01	-36.54	144.96	118.99	25.97	5.582		
5,200.00	5,194.75	5,203.13	5,184.13	14.77	11.35	9.62	372.20	-37.29	147.60	121.12	26.48	5.574		
5,300.00	5,294.64	5,303.17	5,283.83	15.05	11.59	9.62	379.40	-38.05	150.25	123.26	26.99	5.567		
5,400.00	5,394.53	5,403.20	5,383.53	15.32	11.83	9.62	386.59	-38.81	152.89	125.38	27.50	5.559		
5,500.00	5,494.43	5,503.24	5,483.24	15.59	12.07	9.62	393.79	-39.56	155.53	127.51	28.02	5.551		
5,600.00	5,594.32	5,603.27	5,582.94	15.87	12.31	9.62	400.98	-40.32	158.17	129.63	28.54	5.543		
5,700.00	5,694.21	5,703.31	5,682.64	16.14	12.56	9.62	408.18	-41.07	160.81	131.76	29.05	5.535		
5,800.00	5,794.11	5,803.34	5,782.34	16.42	12.81	9.62	415.37	-41.83	163.45	133.88	29.57	5.527		
5,900.00	5,894.00	5,903.38	5,882.05	16.69	13.06	9.62	422.57	-42.59	166.09	136.00	30.10	5.519		
6,000.00	5,993.89	6,003.41	5,981.75	16.97	13.31	9.62	429.76	-43.34	168.74	138.11	30.62	5.511		
6,100.00	6,093.79	6,103.45	6,081.45	17.24	13.56	9.62	436.96	-44.10	171.38	140.23	31.15	5.502		
6,200.00	6,193.68	6,203.48	6,181.16	17.52	13.81	9.62	444.15	-44.85	174.02	142.35	31.67	5.494		
6,300.00	6,293.57	6,303.52	6,280.86	17.79	14.06	9.62	451.34	-45.61	176.66	144.46	32.20	5.486		
6,400.00	6,393.46	6,396.45	6,380.56	18.07	14.30	9.62	458.54	-46.37	179.30	146.59	32.71	5.481		
6,500.00	6,493.36	6,495.96	6,479.64	18.35	14.54	11.24	465.68	-41.99	182.02	148.80	33.22	5.479		
6,600.00	6,593.25	6,591.67	6,573.21	18.62	14.76	17.14	472.40	-23.49	186.33	152.61	33.72	5.526		
6,700.00	6,692.89	6,682.00	6,658.06	18.87	14.96	-55.50	478.46	6.67	194.72	160.63	34.09	5.711		
6,800.00	6,790.44	6,769.24	6,735.17	19.10	15.15	-58.29	483.95	46.94	205.97	171.66	34.31	6.003		
6,900.00	6,883.50	6,853.92	6,804.10	19.32	15.36	-55.42	488.84	95.78	218.74	184.37	34.38	6.363		
7,000.00	6,969.78	6,936.50	6,864.53	19.55	15.63	-52.06	493.09	151.83	231.87	197.50	34.36	6.748		
7,100.00	7,047.15	7,017.39	6,916.21	19.97	15.96	-49.08	496.71	213.87	244.38	210.01	34.37	7.111		
7,200.00	7,113.71	7,096.93	6,958.99	20.55	16.35	-46.66	499.67	280.80	255.53	221.02	34.51	7.404		
7,300.00	7,167.82	7,175.42	6,992.73	21.38	16.80	-44.81	501.97	351.58	264.79	229.88	34.91	7.585		
7,400.00	7,208.14	7,253.16	7,017.33	22.49	17.31	-43.51	503.61	425.25	271.75	236.11	35.64	7.625		
7,500.00	7,233.69	7,330.39	7,032.73	23.90	17.88	-42.73	504.59	500.88	276.14	239.38	36.76	7.512		
7,600.00	7,243.83	7,407.37	7,038.88	25.55	18.50	-42.45	504.89	577.56	277.81	239.53	38.28	7.257		
7,700.00	7,243.86	7,503.31	7,038.89	26.79	19.34	-42.45	504.71	673.51	277.80	238.14	39.66	7.005		
7,800.00	7,243.68	7,603.31	7,038.74	26.98	20.31	-42.46	504.52	773.50	277.77	237.24	40.53	6.854		
7,900.00	7,243.51	7,703.31	7,038.60	27.27	21.37	-42.46	504.32	873.50	277.74	236.21	41.54	6.687		
8,000.00	7,243.33	7,803.31	7,038.46	27.65	22.50	-42.46	504.13	973.50	277.72	235.04	42.68	6.507		
8,100.00	7,243.16	7,903.31	7,038.31	28.12	23.70	-42.47	503.94	1,073.50	277.69	233.75	43.94	6.319		
8,200.00	7,242.98	8,003.31	7,038.17	28.68	24.95	-42.47	503.74	1,173.50	277.66	232.34	45.32	6.127		
8,300.00	7,242.81	8,103.31	7,038.03	29.33	26.24	-42.47	503.55	1,273.50	277.64	230.84	46.80	5.933		
8,400.00	7,242.63	8,203.31	7,037.89	30.06	27.58	-42.48	503.35	1,373.50	277.61	229.24	48.37	5.739		
8,500.00	7,242.46	8,303.31	7,037.74	30.86	28.95	-42.48	503.16	1,473.50	277.58	227.55	50.03	5.548		
8,600.00	7,242.29	8,403.31	7,037.60	31.73	30.35	-42.48	502.97	1,573.50	277.56	225.78	51.77	5.361		
8,700.00	7,242.11	8,503.31	7,037.46	32.66	31.77	-42.49	502.77	1,673.50	277.53	223.95	53.58	5.179		
8,800.00	7,241.94	8,603.31	7,037.32	33.66	33.22	-42.49	502.58	1,773.50	277.50	222.04	55.46	5.004		
8,900.00	7,241.76	8,703.31	7,037.17	34.70	34.69	-42.50	502.38	1,873.50	277.48	220.08	57.39	4.835		
9,000.00	7,241.59	8,803.31	7,037.03	35.80	36.18	-42.50	502.19	1,973.50	277.45	218.07	59.38	4.672		
9,100.00	7,241.41	8,903.31	7,036.89	36.93	37.68	-42.50	502.00	2,073.50	277.42	216.00	61.42	4.517		
9,200.00	7,241.24	9,003.31	7,036.74	38.11	39.20	-42.51	501.80	2,173.50	277.40	213.89	63.50	4.368		
9,300.00	7,241.07	9,103.31	7,036.60	39.33	40.72	-42.51	501.61	2,273.50	277.37	211.75	65.62	4.227		
9,400.00	7,240.89	9,203.31	7,036.46	40.57	42.26	-42.51	501.41	2,373.50	277.34	209.56	67.78	4.092		
9,500.00	7,240.72	9,303.31	7,036.32	41.85	43.81	-42.52	501.22	2,473.50	277.32	207.34	69.97	3.963		
9,600.00	7,240.54	9,403.31	7,036.17	43.15	45.37	-42.52	501.03	2,573.50	277.29	205.09	72.20	3.841		
9,700.00	7,240.37	9,503.31	7,036.03	44.48	46.93	-42.53	500.83	2,673.50	277.26	202.82	74.45	3.724		
9,800.00	7,240.19	9,603.31	7,035.89	45.83	48.51	-42.53	500.64	2,773.50	277.24	200.51	76.72	3.614		
9,900.00	7,240.02	9,703.31	7,035.75	47.21	50.08	-42.53	500.44	2,873.50	277.21	198.19	79.02	3.508		
10,000.00	7,239.84	9,803.31	7,035.60	48.60	51.67	-42.54	500.25	2,973.50	277.18	195.84	81.34	3.408		
10,100.00	7,239.67	9,903.31	7,035.46	50.00	53.26	-42.54	500.06	3,073.50	277.16	193.48	83.68	3.312		
10,200.00	7,239.50	10,003.31	7,035.32	51.43	54.85	-42.54	499.86	3,173.50	277.13	191.09	86.03	3.221		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 26N-27A-XR - 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	7,239.32	10,103.31	7,035.17	52.87	56.45	-42.55	499.67	3,273.50	277.10	188.69	88.41	3.134		
10,400.00	7,239.15	10,203.31	7,035.03	54.32	58.06	-42.55	499.47	3,373.50	277.08	186.28	90.80	3.052		
10,500.00	7,238.97	10,303.31	7,034.89	55.78	59.66	-42.55	499.28	3,473.50	277.05	183.85	93.20	2.973		
10,600.00	7,238.80	10,403.31	7,034.75	57.26	61.27	-42.56	499.09	3,573.50	277.02	181.41	95.61	2.897		
10,700.00	7,238.62	10,503.31	7,034.60	58.75	62.89	-42.56	498.89	3,673.50	277.00	178.95	98.04	2.825		
10,800.00	7,238.45	10,603.31	7,034.46	60.24	64.50	-42.57	498.70	3,773.50	276.97	176.49	100.48	2.756		
10,900.00	7,238.27	10,703.31	7,034.32	61.75	66.12	-42.57	498.50	3,873.50	276.94	174.01	102.93	2.691		
11,000.00	7,238.10	10,803.31	7,034.18	63.26	67.74	-42.57	498.31	3,973.50	276.92	171.53	105.39	2.628		
11,100.00	7,237.93	10,903.31	7,034.03	64.78	69.37	-42.58	498.12	4,073.50	276.89	169.03	107.85	2.567		
11,200.00	7,237.75	11,003.31	7,033.89	66.31	70.99	-42.58	497.92	4,173.49	276.86	166.53	110.33	2.509		
11,300.00	7,237.58	11,103.31	7,033.75	67.85	72.62	-42.58	497.73	4,273.49	276.84	164.02	112.81	2.454		
11,400.00	7,237.40	11,203.31	7,033.60	69.39	74.25	-42.59	497.53	4,373.49	276.81	161.50	115.31	2.401		
11,500.00	7,237.23	11,303.31	7,033.46	70.94	75.89	-42.59	497.34	4,473.49	276.78	158.98	117.80	2.350		
11,600.00	7,237.05	11,403.31	7,033.32	72.49	77.52	-42.59	497.15	4,573.49	276.76	156.45	120.31	2.300		
11,700.00	7,236.88	11,503.31	7,033.18	74.05	79.16	-42.60	496.95	4,673.49	276.73	153.91	122.82	2.253		
11,800.00	7,236.70	11,603.31	7,033.03	75.61	80.79	-42.60	496.76	4,773.49	276.70	151.37	125.34	2.208		
11,900.00	7,236.53	11,703.31	7,032.89	77.18	82.43	-42.61	496.56	4,873.49	276.68	148.82	127.86	2.164		
12,000.00	7,236.36	11,803.31	7,032.75	78.75	84.07	-42.61	496.37	4,973.49	276.65	146.26	130.38	2.122		
12,100.00	7,236.18	11,903.31	7,032.60	80.33	85.71	-42.61	496.18	5,073.49	276.62	143.71	132.92	2.081		
12,200.00	7,236.01	12,003.31	7,032.46	81.91	87.35	-42.62	495.98	5,173.49	276.60	141.14	135.45	2.042		
12,300.00	7,235.83	12,103.31	7,032.32	83.49	89.00	-42.62	495.79	5,273.49	276.57	138.58	137.99	2.004		
12,400.00	7,235.66	12,203.31	7,032.18	85.08	90.64	-42.62	495.59	5,373.49	276.54	136.01	140.54	1.968		
12,500.00	7,235.48	12,303.31	7,032.03	86.67	92.29	-42.63	495.40	5,473.49	276.52	133.43	143.08	1.933		
12,600.00	7,235.31	12,403.31	7,031.89	88.26	93.93	-42.63	495.21	5,573.49	276.49	130.85	145.64	1.898		
12,700.00	7,235.14	12,503.31	7,031.75	89.86	95.58	-42.64	495.01	5,673.49	276.46	128.27	148.19	1.866		
12,800.00	7,234.96	12,603.31	7,031.61	91.45	97.23	-42.64	494.82	5,773.49	276.44	125.68	150.75	1.834		
12,900.00	7,234.79	12,703.31	7,031.46	93.06	98.88	-42.64	494.62	5,873.49	276.41	123.09	153.31	1.803		
13,000.00	7,234.61	12,803.31	7,031.32	94.66	100.53	-42.65	494.43	5,973.49	276.38	120.50	155.88	1.773		
13,100.00	7,234.44	12,903.31	7,031.18	96.26	102.18	-42.65	494.24	6,073.49	276.36	117.91	158.45	1.744		
13,200.00	7,234.26	13,003.31	7,031.03	97.87	103.83	-42.65	494.04	6,173.49	276.33	115.31	161.02	1.716		
13,300.00	7,234.09	13,103.31	7,030.89	99.48	105.48	-42.66	493.85	6,273.49	276.30	112.71	163.59	1.689		
13,400.00	7,233.91	13,203.31	7,030.75	101.10	107.13	-42.66	493.65	6,373.49	276.28	110.11	166.17	1.663		
13,500.00	7,233.74	13,303.31	7,030.61	102.71	108.78	-42.66	493.46	6,473.49	276.25	107.50	168.74	1.637		
13,600.00	7,233.57	13,403.31	7,030.46	104.33	110.44	-42.67	493.27	6,573.49	276.22	104.90	171.32	1.612		
13,700.00	7,233.39	13,503.31	7,030.32	105.94	112.09	-42.67	493.07	6,673.49	276.20	102.29	173.91	1.588		
13,800.00	7,233.22	13,603.31	7,030.18	107.56	113.75	-42.68	492.88	6,773.49	276.17	99.68	176.49	1.565		
13,900.00	7,233.04	13,703.31	7,030.04	109.18	115.40	-42.68	492.68	6,873.49	276.14	97.06	179.08	1.542		
14,000.00	7,232.87	13,803.31	7,029.89	110.81	117.06	-42.68	492.49	6,973.49	276.12	94.45	181.67	1.520		
14,100.00	7,232.69	13,903.31	7,029.75	112.43	118.71	-42.69	492.30	7,073.49	276.09	91.83	184.26	1.498 Level 3		
14,200.00	7,232.52	14,003.31	7,029.61	114.06	120.37	-42.69	492.10	7,173.49	276.06	89.21	186.85	1.477 Level 3		
14,300.00	7,232.34	14,103.31	7,029.46	115.68	122.02	-42.69	491.91	7,273.49	276.04	86.59	189.44	1.457 Level 3		
14,400.00	7,232.17	14,203.31	7,029.32	117.31	123.68	-42.70	491.71	7,373.49	276.01	83.97	192.04	1.437 Level 3		
14,500.00	7,232.00	14,303.31	7,029.18	118.94	125.34	-42.70	491.52	7,473.49	275.98	81.34	194.64	1.418 Level 3		
14,600.00	7,231.82	14,403.31	7,029.04	120.57	127.00	-42.71	491.33	7,573.48	275.96	78.72	197.24	1.399 Level 3		
14,700.00	7,231.65	14,503.31	7,028.89	122.20	128.66	-42.71	491.13	7,673.48	275.93	76.09	199.84	1.381 Level 3		
14,800.00	7,231.47	14,603.31	7,028.75	123.83	130.31	-42.71	490.94	7,773.48	275.90	73.46	202.44	1.363 Level 3		
14,900.00	7,231.30	14,703.31	7,028.61	125.47	131.97	-42.72	490.74	7,873.48	275.88	70.83	205.04	1.345 Level 3		
15,000.00	7,231.12	14,803.31	7,028.47	127.10	133.63	-42.72	490.55	7,973.48	275.85	68.20	207.65	1.328 Level 3		
15,100.00	7,230.95	14,903.31	7,028.32	128.74	135.29	-42.72	490.36	8,073.48	275.82	65.57	210.25	1.312 Level 3		
15,200.00	7,230.77	15,003.31	7,028.18	130.38	136.95	-42.73	490.16	8,173.48	275.80	62.93	212.86	1.296 Level 3		
15,300.00	7,230.60	15,103.31	7,028.04	132.01	138.61	-42.73	489.97	8,273.48	275.77	60.30	215.47	1.280 Level 3		
15,400.00	7,230.43	15,203.31	7,027.89	133.65	140.27	-42.74	489.77	8,373.48	275.74	57.66	218.08	1.264 Level 3		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 26N-27A-XR - 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	7,230.25	15,303.31	7,027.75	135.29	141.93	-42.74	489.58	8,473.48	275.72	55.02	220.69	1.249	Level 2
15,600.00	7,230.08	15,403.31	7,027.61	136.93	143.59	-42.74	489.39	8,573.48	275.69	52.39	223.30	1.235	Level 2
15,700.00	7,229.90	15,503.31	7,027.47	138.57	145.26	-42.75	489.19	8,673.48	275.66	49.75	225.92	1.220	Level 2
15,800.00	7,229.73	15,603.31	7,027.32	140.21	146.92	-42.75	489.00	8,773.48	275.64	47.11	228.53	1.206	Level 2
15,900.00	7,229.55	15,703.31	7,027.18	141.85	148.58	-42.75	488.80	8,873.48	275.61	44.46	231.15	1.192	Level 2
16,000.00	7,229.38	15,803.31	7,027.04	143.50	150.24	-42.76	488.61	8,973.48	275.58	41.82	233.76	1.179	Level 2
16,100.00	7,229.21	15,903.31	7,026.90	145.14	151.90	-42.76	488.42	9,073.48	275.56	39.18	236.38	1.166	Level 2
16,200.00	7,229.03	16,003.31	7,026.75	146.78	153.57	-42.76	488.22	9,173.48	275.53	36.53	239.00	1.153	Level 2
16,300.00	7,228.86	16,103.31	7,026.61	148.43	155.23	-42.77	488.03	9,273.48	275.50	33.89	241.62	1.140	Level 2
16,400.00	7,228.68	16,203.31	7,026.47	150.07	156.89	-42.77	487.83	9,373.48	275.48	31.24	244.24	1.128	Level 2
16,500.00	7,228.51	16,303.31	7,026.32	151.72	158.55	-42.78	487.64	9,473.48	275.45	28.59	246.86	1.116	Level 2
16,600.00	7,228.33	16,403.31	7,026.18	153.37	160.22	-42.78	487.45	9,573.48	275.42	25.94	249.48	1.104	Level 2
16,700.00	7,228.16	16,503.31	7,026.04	155.01	161.88	-42.78	487.25	9,673.48	275.40	23.29	252.10	1.092	Level 2
16,800.00	7,227.98	16,603.31	7,025.90	156.66	163.54	-42.79	487.06	9,773.48	275.37	20.64	254.72	1.081	Level 2
16,900.00	7,227.81	16,703.31	7,025.75	158.31	165.21	-42.79	486.86	9,873.48	275.34	17.99	257.35	1.070	Level 2
17,000.00	7,227.64	16,803.31	7,025.61	159.96	166.87	-42.79	486.67	9,973.48	275.32	15.34	259.97	1.059	Level 2
17,100.00	7,227.46	16,903.31	7,025.47	161.61	168.54	-42.80	486.48	10,073.48	275.29	12.69	262.60	1.048	Level 2
17,200.00	7,227.29	17,003.31	7,025.33	163.26	170.20	-42.80	486.28	10,173.48	275.26	10.04	265.23	1.038	Level 2
17,300.00	7,227.11	17,103.31	7,025.18	164.91	171.86	-42.81	486.09	10,273.48	275.24	7.38	267.85	1.028	Level 2
17,400.00	7,226.94	17,203.31	7,025.04	166.56	173.53	-42.81	485.89	10,373.48	275.21	4.73	270.48	1.017	Level 2
17,500.00	7,226.76	17,303.31	7,024.90	168.21	175.19	-42.81	485.70	10,473.48	275.18	2.07	273.11	1.008	Level 2
17,600.00	7,226.59	17,403.31	7,024.75	169.86	176.86	-42.82	485.51	10,573.48	275.16	-0.58	275.74	0.998	Level 1
17,700.00	7,226.41	17,503.31	7,024.61	171.51	178.52	-42.82	485.31	10,673.48	275.13	-3.24	278.37	0.988	Level 1
17,800.00	7,226.24	17,603.31	7,024.47	173.16	180.19	-42.82	485.12	10,773.48	275.10	-5.90	281.00	0.979	Level 1
17,900.00	7,226.07	17,703.31	7,024.33	174.81	181.85	-42.83	484.92	10,873.48	275.08	-8.55	283.63	0.970	Level 1
18,000.00	7,225.89	17,803.31	7,024.18	176.47	183.52	-42.83	484.73	10,973.47	275.05	-11.21	286.26	0.961	Level 1
18,100.00	7,225.72	17,903.31	7,024.04	178.12	185.18	-42.84	484.54	11,073.47	275.02	-13.87	288.90	0.952	Level 1
18,200.00	7,225.54	18,003.31	7,023.90	179.77	186.85	-42.84	484.34	11,173.47	275.00	-16.53	291.53	0.943	Level 1
18,300.00	7,225.37	18,103.31	7,023.76	181.43	188.51	-42.84	484.15	11,273.47	274.97	-19.19	294.16	0.935	Level 1
18,400.00	7,225.19	18,203.31	7,023.61	183.08	190.18	-42.85	483.95	11,373.47	274.94	-21.85	296.80	0.926	Level 1
18,500.00	7,225.02	18,303.31	7,023.47	184.74	191.85	-42.85	483.76	11,473.47	274.92	-24.51	299.43	0.918	Level 1
18,600.00	7,224.85	18,403.31	7,023.33	186.39	193.51	-42.85	483.57	11,573.47	274.89	-27.18	302.07	0.910	Level 1
18,700.00	7,224.67	18,503.31	7,023.18	188.05	195.18	-42.86	483.37	11,673.47	274.86	-29.84	304.70	0.902	Level 1
18,800.00	7,224.50	18,603.31	7,023.04	189.70	196.84	-42.86	483.18	11,773.47	274.84	-32.50	307.34	0.894	Level 1
18,900.00	7,224.32	18,703.31	7,022.90	191.36	198.51	-42.87	482.98	11,873.47	274.81	-35.17	309.98	0.887	Level 1
19,000.00	7,224.15	18,803.31	7,022.76	193.01	200.18	-42.87	482.79	11,973.47	274.78	-37.83	312.61	0.879	Level 1
19,100.00	7,223.97	18,903.31	7,022.61	194.67	201.84	-42.87	482.60	12,073.47	274.76	-40.50	315.25	0.872	Level 1
19,200.00	7,223.80	19,003.31	7,022.47	196.32	203.51	-42.88	482.40	12,173.47	274.73	-43.16	317.89	0.864	Level 1
19,300.00	7,223.62	19,103.31	7,022.33	197.98	205.18	-42.88	482.21	12,273.47	274.70	-45.83	320.53	0.857	Level 1
19,400.00	7,223.45	19,203.31	7,022.19	199.64	206.84	-42.88	482.01	12,373.47	274.68	-48.49	323.17	0.850	Level 1
19,500.00	7,223.28	19,303.31	7,022.04	201.30	208.51	-42.89	481.82	12,473.47	274.65	-51.16	325.81	0.843	Level 1
19,600.00	7,223.10	19,403.31	7,021.90	202.95	210.18	-42.89	481.63	12,573.47	274.62	-53.83	328.45	0.836	Level 1
19,700.00	7,222.93	19,503.31	7,021.76	204.61	211.84	-42.90	481.43	12,673.47	274.60	-56.49	331.09	0.829	Level 1
19,800.00	7,222.75	19,603.31	7,021.61	206.27	213.51	-42.90	481.24	12,773.47	274.57	-59.16	333.73	0.823	Level 1
19,900.00	7,222.58	19,703.31	7,021.47	207.93	215.18	-42.90	481.04	12,873.47	274.54	-61.83	336.38	0.816	Level 1
20,000.00	7,222.40	19,803.31	7,021.33	209.59	216.84	-42.91	480.85	12,973.47	274.52	-64.50	339.02	0.810	Level 1
20,100.00	7,222.23	19,903.31	7,021.19	211.24	218.51	-42.91	480.66	13,073.47	274.49	-67.17	341.66	0.803	Level 1
20,200.00	7,222.05	20,003.31	7,021.04	212.90	220.18	-42.91	480.46	13,173.47	274.46	-69.84	344.30	0.797	Level 1
20,231.13	7,222.00	20,034.44	7,021.00	213.42	220.70	-42.92	480.40	13,204.60	274.46	-70.67	345.13	0.795	Level 1, ES, SF



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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, 7781-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	81.98	21.13	149.89	151.37				
100.00	100.00	101.00	99.00	3.28	3.28	81.98	21.13	149.89	151.37	143.84	7.53	20.105	
200.00	200.00	199.00	199.00	3.31	3.30	81.98	21.13	149.89	151.37	143.80	7.57	19.987	
300.00	299.98	294.08	294.06	3.35	3.35	91.95	21.64	151.35	153.02	145.36	7.66	19.984	
400.00	399.88	388.88	388.74	3.42	3.41	93.10	23.19	155.76	158.04	150.26	7.78	20.321	
500.00	499.77	483.30	482.84	3.51	3.49	94.01	25.77	163.10	166.34	158.40	7.93	20.968	
600.00	599.67	577.45	576.36	3.62	3.60	94.57	29.36	173.31	177.83	169.71	8.12	21.893	
700.00	699.56	676.60	674.67	3.74	3.73	94.97	33.61	185.44	190.76	182.39	8.37	22.790	
800.00	799.45	775.75	772.99	3.88	3.90	95.32	37.87	197.57	203.70	195.05	8.65	23.541	
900.00	899.35	874.90	871.30	4.04	4.08	95.63	42.13	209.70	216.64	207.68	8.97	24.161	
1,000.00	999.24	974.06	969.62	4.21	4.28	95.91	46.39	221.83	229.59	220.28	9.31	24.666	
1,100.00	1,099.13	1,073.21	1,067.93	4.39	4.50	96.15	50.65	233.96	242.55	232.87	9.67	25.072	
1,200.00	1,199.03	1,172.36	1,166.25	4.58	4.73	96.37	54.91	246.09	255.50	245.44	10.06	25.394	
1,300.00	1,298.92	1,271.51	1,264.56	4.78	4.98	96.57	59.17	258.22	268.46	258.00	10.47	25.645	
1,400.00	1,398.81	1,370.67	1,362.88	4.98	5.23	96.76	63.43	270.35	281.43	270.54	10.89	25.840	
1,500.00	1,498.70	1,469.82	1,461.20	5.20	5.49	96.92	67.69	282.48	294.39	283.07	11.33	25.986	
1,600.00	1,598.60	1,568.97	1,559.51	5.42	5.76	97.07	71.95	294.61	307.36	295.58	11.78	26.092	
1,700.00	1,698.49	1,668.12	1,657.83	5.64	6.04	97.21	76.21	306.74	320.33	308.09	12.24	26.167	
1,800.00	1,798.38	1,767.28	1,756.14	5.88	6.32	97.34	80.47	318.87	333.31	320.59	12.71	26.216	
1,900.00	1,898.28	1,866.43	1,854.46	6.11	6.60	97.46	84.73	331.00	346.28	333.47	12.81	27.023	
2,000.00	1,998.17	1,965.58	1,952.77	6.35	6.90	97.57	88.99	343.13	359.26	345.95	13.30	27.005	
2,100.00	2,098.06	2,064.73	2,051.09	6.59	7.19	97.67	93.25	355.26	372.23	358.43	13.80	26.976	
2,200.00	2,197.96	2,163.89	2,149.40	6.83	7.49	97.77	97.51	367.39	385.21	370.91	14.30	26.937	
2,300.00	2,297.85	2,263.04	2,247.72	7.08	7.79	97.86	101.77	379.52	398.19	383.38	14.81	26.890	
2,400.00	2,397.74	2,362.19	2,346.03	7.33	8.09	97.94	106.03	391.65	411.17	395.85	15.32	26.838	
2,500.00	2,497.63	2,461.34	2,444.35	7.58	8.40	98.02	110.29	403.78	424.15	408.31	15.84	26.782	
2,600.00	2,597.53	2,560.49	2,542.66	7.84	8.70	98.09	114.55	415.91	437.13	420.77	16.36	26.723	
2,700.00	2,697.42	2,659.65	2,640.98	8.09	9.01	98.16	118.81	428.04	450.11	433.23	16.88	26.662	
2,800.00	2,797.31	2,758.80	2,739.29	8.35	9.33	98.23	123.07	440.17	463.09	445.68	17.41	26.599	
2,900.00	2,897.21	2,857.95	2,837.61	8.61	9.64	98.29	127.33	452.30	476.08	458.14	17.94	26.536	
3,000.00	2,997.10	2,957.10	2,935.93	8.87	9.95	98.35	131.59	464.43	489.06	470.58	18.47	26.472	
3,100.00	3,096.99	3,056.26	3,034.24	9.13	10.27	98.40	135.85	476.56	502.04	483.03	19.01	26.408	
3,200.00	3,196.89	3,155.41	3,132.56	9.39	10.58	98.46	140.11	488.69	515.03	495.48	19.55	26.345	
3,300.00	3,296.78	3,254.56	3,230.87	9.65	10.90	98.51	144.37	500.82	528.01	507.92	20.09	26.283	
3,400.00	3,396.67	3,353.71	3,329.19	9.92	11.22	98.55	148.63	512.95	541.00	520.37	20.63	26.221	
3,500.00	3,496.57	3,452.87	3,427.50	10.18	11.54	98.60	152.89	525.08	553.98	532.81	21.18	26.160	
3,600.00	3,596.46	3,552.02	3,525.82	10.45	11.86	98.64	157.15	537.21	566.97	545.25	21.72	26.101	
3,700.00	3,696.35	3,651.17	3,624.13	10.71	12.18	98.69	161.41	549.34	579.95	557.68	22.27	26.042	
3,800.00	3,796.24	3,750.32	3,722.45	10.98	12.50	98.73	165.67	561.47	592.94	570.12	22.82	25.985	
3,900.00	3,896.14	3,849.48	3,820.76	11.25	12.82	98.76	169.93	573.60	605.93	582.56	23.37	25.928	
4,000.00	3,996.03	3,948.63	3,919.08	11.52	13.15	98.80	174.19	585.73	618.91	594.99	23.92	25.874	
4,100.00	4,095.92	4,047.78	4,017.39	11.79	13.47	98.84	178.45	597.86	631.90	607.43	24.47	25.820	
4,200.00	4,195.82	4,146.93	4,115.71	12.06	13.79	98.87	182.71	609.99	644.89	619.86	25.03	25.768	
4,300.00	4,295.71	4,246.08	4,214.03	12.33	14.12	98.90	186.97	622.12	657.88	632.30	25.58	25.716	
4,400.00	4,395.60	4,345.24	4,312.34	12.60	14.44	98.93	191.23	634.25	670.86	644.73	26.14	25.667	
4,500.00	4,495.50	4,444.39	4,410.66	12.87	14.77	98.96	195.49	646.38	683.85	657.16	26.69	25.618	
4,600.00	4,595.39	4,543.54	4,508.97	13.14	15.09	98.99	199.75	658.51	696.84	669.59	27.25	25.571	
4,700.00	4,695.28	4,642.69	4,607.29	13.41	15.42	99.02	204.01	670.64	709.83	682.02	27.81	25.524	
4,800.00	4,795.18	4,741.85	4,705.60	13.68	15.75	99.05	208.27	682.77	722.82	694.45	28.37	25.479	
4,900.00	4,895.07	4,841.00	4,803.92	13.95	16.07	99.07	212.53	694.90	735.81	706.88	28.93	25.435	
5,000.00	4,994.96	4,940.15	4,902.23	14.23	16.40	99.10	216.79	707.03	748.80	719.31	29.49	25.393	
5,100.00	5,094.85	5,039.30	5,000.55	14.50	16.73	99.12	221.05	719.16	761.78	731.73	30.05	25.351	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 30C-30-M - Wellbore #1 - Design #1		Offset Site Error:		0.00 usft
Survey Program:													0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7781-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	5,194.75	5,138.46	5,098.86	14.77	17.05	99.14	225.31	731.29	774.77	744.16	30.61	25.310					
5,300.00	5,294.64	5,237.61	5,197.18	15.05	17.38	99.17	229.57	743.42	787.76	756.59	31.17	25.270					
5,400.00	5,394.53	5,336.76	5,295.49	15.32	17.71	99.19	233.83	755.55	800.75	769.02	31.74	25.232					
5,500.00	5,494.43	5,435.91	5,393.81	15.59	18.04	99.21	238.09	767.68	813.74	781.44	32.30	25.194					
5,600.00	5,594.32	5,535.07	5,492.12	15.87	18.37	99.23	242.35	779.81	826.73	793.87	32.86	25.157					
5,700.00	5,694.21	5,634.22	5,590.44	16.14	18.69	99.25	246.61	791.94	839.72	806.29	33.43	25.121					
5,800.00	5,794.11	5,733.37	5,688.76	16.42	19.02	99.27	250.87	804.07	852.71	818.72	33.99	25.086					
5,900.00	5,894.00	5,832.52	5,787.07	16.69	19.35	99.29	255.13	816.20	865.70	831.14	34.56	25.052					
6,000.00	5,993.89	5,931.67	5,885.39	16.97	19.68	99.30	259.39	828.33	878.69	843.57	35.12	25.018					
6,100.00	6,093.79	6,030.83	5,983.70	17.24	20.01	99.32	263.65	840.46	891.68	855.99	35.69	24.986					
6,200.00	6,193.68	6,129.98	6,082.02	17.52	20.34	99.34	267.90	852.59	904.67	868.42	36.25	24.954					
6,300.00	6,293.57	6,229.13	6,180.33	17.79	20.67	99.36	272.16	864.72	917.66	880.84	36.82	24.923					
6,400.00	6,393.46	6,328.28	6,278.65	18.07	21.00	99.37	276.42	876.85	930.65	893.26	37.39	24.892					
6,500.00	6,493.36	8,113.39	7,362.04	18.35	28.21	86.97	326.06	-44.79	870.69	842.33	28.36	30.705					
6,600.00	6,593.25	8,114.47	7,362.04	18.62	28.21	85.39	326.06	-45.87	770.70	742.08	28.62	26.932					
6,700.00	6,692.89	8,109.19	7,362.03	18.87	28.19	-159.74	326.05	-40.58	670.93	642.07	28.86	23.245					
6,800.00	6,790.44	8,088.44	7,361.96	19.10	28.13	-170.22	325.99	-19.83	573.22	544.15	29.07	19.718					
6,900.00	6,883.50	8,052.65	7,361.85	19.32	28.04	-173.41	325.90	15.95	479.95	450.71	29.24	16.415					
7,000.00	6,969.78	8,002.72	7,361.70	19.55	27.92	-174.89	325.76	65.88	393.43	364.06	29.36	13.399					
7,100.00	7,047.15	7,939.87	7,361.51	19.97	27.82	-175.70	325.59	128.73	315.78	286.30	29.48	10.711					
7,200.00	7,113.71	7,865.64	7,361.28	20.55	27.74	-176.16	325.39	202.96	248.92	219.32	29.60	8.410					
7,300.00	7,167.82	7,781.87	7,361.02	21.38	27.58	-176.41	325.17	286.73	194.50	164.78	29.72	6.545					
7,400.00	7,208.14	7,664.54	7,350.93	22.49	26.03	-176.42	324.43	403.46	146.35	116.89	29.46	4.968					
7,500.00	7,233.69	7,557.39	7,323.19	23.90	24.84	-176.12	322.96	506.82	96.42	66.28	30.15	3.199					
7,600.00	7,243.83	7,459.94	7,283.25	25.55	24.05	-174.82	320.99	595.57	46.23	14.77	31.46	1.470 Level 3					
7,685.35	7,244.90	7,385.39	7,243.82	26.58	23.61	-87.38	319.10	658.77	1.82	-48.79	50.61	0.036 Level 1, CC, ES, SF					
7,700.00	7,243.86	7,372.97	7,236.55	26.79	23.55	-13.74	318.76	668.83	7.96	-25.85	33.81	0.235 Level 1					
7,800.00	7,243.68	7,300.42	7,190.26	26.98	23.26	0.56	316.60	724.60	71.65	37.42	34.23	2.093					
7,900.00	7,243.51	7,240.52	7,147.45	27.27	23.10	1.45	314.62	766.43	143.14	107.14	36.00	3.976					
8,000.00	7,243.33	7,191.03	7,109.25	27.65	22.99	1.76	312.88	797.83	220.37	182.83	37.53	5.871					
8,100.00	7,243.16	7,150.00	7,075.82	28.12	22.92	1.91	311.36	821.54	301.90	263.09	38.81	7.778					
8,200.00	7,242.98	7,115.51	7,046.58	28.68	22.87	2.00	310.03	839.77	386.72	346.85	39.86	9.701					
8,300.00	7,242.81	7,086.43	7,021.19	29.33	22.83	2.06	308.89	853.90	474.06	433.32	40.74	11.636					
8,400.00	7,242.63	7,061.64	6,999.05	30.06	22.80	2.11	307.90	865.01	563.39	521.91	41.48	13.582					
8,500.00	7,242.46	7,050.00	6,988.51	30.86	22.79	2.12	307.42	869.93	654.42	612.10	42.33	15.462					
8,600.00	7,242.29	7,021.80	6,962.62	31.73	22.75	2.16	306.26	881.03	746.43	703.79	42.64	17.505					
8,700.00	7,242.11	7,000.00	6,942.28	32.66	22.73	2.18	305.36	888.83	839.64	796.63	43.02	19.519					
8,800.00	7,241.94	7,000.00	6,942.28	33.66	22.73	2.18	305.36	888.83	933.71	890.07	43.64	21.396					
8,900.00	7,241.76	6,978.73	6,922.19	34.70	22.70	2.20	304.46	895.76	1,028.32	984.44	43.88	23.435					
9,000.00	7,241.59	6,967.46	6,911.45	35.80	22.69	2.21	303.99	899.16	1,123.61	1,079.41	44.21	25.417					



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 30N-30A-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	89.58	1.10	149.89	149.90					
100.00	100.00	101.00	99.00	3.28	3.28	89.58	1.10	149.89	149.90	142.37	7.53	19.909		
200.00	200.00	199.00	199.00	3.31	3.30	89.58	1.10	149.89	149.90	142.32	7.57	19.792		
300.00	299.98	294.25	294.23	3.35	3.35	99.49	1.58	151.37	151.73	144.07	7.66	19.814		
400.00	399.88	389.21	389.08	3.42	3.41	100.45	3.03	155.83	157.19	149.41	7.78	20.208		
500.00	499.77	483.80	483.33	3.51	3.49	101.06	5.44	163.25	165.84	157.90	7.93	20.900		
600.00	599.67	577.81	576.71	3.62	3.60	101.26	8.78	173.55	177.58	169.45	8.13	21.855		
700.00	699.56	676.29	674.29	3.74	3.74	101.24	12.89	186.18	191.16	182.79	8.37	22.837		
800.00	799.45	775.36	772.46	3.88	3.90	101.22	17.02	198.90	204.76	196.11	8.65	23.663		
900.00	899.35	874.43	870.62	4.04	4.09	101.20	21.16	211.62	218.37	209.40	8.97	24.350		
1,000.00	999.24	973.50	968.78	4.21	4.29	101.19	25.29	224.35	231.97	222.66	9.31	24.915		
1,100.00	1,099.13	1,072.57	1,066.94	4.39	4.51	101.18	29.42	237.07	245.57	235.89	9.68	25.375		
1,200.00	1,199.03	1,171.64	1,165.11	4.58	4.75	101.17	33.56	249.79	259.17	249.11	10.07	25.745		
1,300.00	1,298.92	1,270.71	1,263.27	4.78	5.00	101.16	37.69	262.51	272.78	262.30	10.48	26.040		
1,400.00	1,398.81	1,369.78	1,361.43	4.98	5.25	101.15	41.82	275.23	286.38	275.48	10.90	26.274		
1,500.00	1,498.70	1,468.85	1,459.60	5.20	5.52	101.14	45.96	287.96	299.98	288.64	11.34	26.455		
1,600.00	1,598.60	1,567.92	1,557.76	5.42	5.79	101.13	50.09	300.68	313.58	301.79	11.79	26.594		
1,700.00	1,698.49	1,666.99	1,655.92	5.64	6.07	101.12	54.23	313.40	327.18	314.93	12.26	26.697		
1,800.00	1,798.38	1,766.06	1,754.09	5.88	6.36	101.12	58.36	326.12	340.79	328.06	12.73	26.772		
1,900.00	1,898.28	1,865.13	1,852.25	6.11	6.56	101.11	62.49	338.85	354.39	341.64	12.75	27.794		
2,000.00	1,998.17	1,964.20	1,950.41	6.35	6.64	101.11	66.63	351.57	367.99	354.95	13.04	28.216		
2,100.00	2,098.06	2,063.27	2,048.58	6.59	6.68	101.10	70.76	364.29	381.59	368.29	13.31	28.677		
2,200.00	2,197.96	2,162.34	2,146.74	6.83	6.73	101.10	74.89	377.01	395.20	381.61	13.59	29.085		
2,300.00	2,297.85	2,261.41	2,244.90	7.08	6.80	101.09	79.03	389.73	408.80	394.91	13.89	29.441		
2,400.00	2,397.74	2,360.48	2,343.07	7.33	6.88	101.09	83.16	402.46	422.40	408.20	14.20	29.750		
2,500.00	2,497.63	2,459.56	2,441.23	7.58	6.97	101.09	87.30	415.18	436.00	421.48	14.53	30.014		
2,600.00	2,597.53	2,558.63	2,539.39	7.84	7.08	101.08	91.43	427.90	449.61	434.74	14.87	30.237		
2,700.00	2,697.42	2,657.70	2,637.56	8.09	7.19	101.08	95.56	440.62	463.21	447.98	15.23	30.422		
2,800.00	2,797.31	2,756.77	2,735.72	8.35	7.32	101.07	99.70	453.34	476.81	461.22	15.60	30.574		
2,900.00	2,897.21	2,855.84	2,833.88	8.61	7.46	101.07	103.83	466.07	490.41	474.44	15.98	30.695		
3,000.00	2,997.10	2,954.91	2,932.05	8.87	7.61	101.07	107.96	478.79	504.02	487.65	16.37	30.789		
3,100.00	3,096.99	3,053.98	3,030.21	9.13	7.77	101.07	112.10	491.51	517.62	500.84	16.77	30.858		
3,200.00	3,196.89	3,153.05	3,128.37	9.39	7.94	101.06	116.23	504.23	531.22	514.03	17.19	30.906		
3,300.00	3,296.78	3,252.12	3,226.54	9.65	8.12	101.06	120.37	516.96	544.82	527.21	17.61	30.934		
3,400.00	3,396.67	3,351.19	3,324.70	9.92	8.30	101.06	124.50	529.68	558.43	540.38	18.04	30.946		
3,500.00	3,496.57	3,450.26	3,422.86	10.18	8.50	101.06	128.63	542.40	572.03	553.54	18.49	30.944		
3,600.00	3,596.46	3,549.33	3,521.03	10.45	8.69	101.05	132.77	555.12	585.63	566.70	18.93	30.929		
3,700.00	3,696.35	3,648.40	3,619.19	10.71	8.90	101.05	136.90	567.84	599.23	579.84	19.39	30.903		
3,800.00	3,796.24	3,747.47	3,717.35	10.98	9.11	101.05	141.03	580.57	612.83	592.98	19.85	30.868		
3,900.00	3,896.14	3,846.54	3,815.52	11.25	9.33	101.05	145.17	593.29	626.44	606.11	20.32	30.825		
4,000.00	3,996.03	3,945.61	3,913.68	11.52	9.55	101.05	149.30	606.01	640.04	619.24	20.80	30.775		
4,100.00	4,095.92	4,044.68	4,011.84	11.79	9.78	101.05	153.44	618.73	653.64	632.36	21.28	30.720		
4,200.00	4,195.82	4,143.75	4,110.01	12.06	10.01	101.04	157.57	631.45	667.24	645.48	21.76	30.660		
4,300.00	4,295.71	4,242.83	4,208.17	12.33	10.24	101.04	161.70	644.18	680.85	658.59	22.25	30.596		
4,400.00	4,395.60	4,341.90	4,306.33	12.60	10.48	101.04	165.84	656.90	694.45	671.70	22.75	30.529		
4,500.00	4,495.50	4,440.97	4,404.50	12.87	10.73	101.04	169.97	669.62	708.05	684.81	23.25	30.459		
4,600.00	4,595.39	4,540.04	4,502.66	13.14	10.97	101.04	174.11	682.34	721.65	697.91	23.75	30.388		
4,700.00	4,695.28	4,639.11	4,600.82	13.41	11.22	101.04	178.24	695.07	735.26	711.00	24.25	30.315		
4,800.00	4,795.18	4,738.18	4,698.99	13.68	11.48	101.04	182.37	707.79	748.86	724.10	24.76	30.241		
4,900.00	4,895.07	4,837.25	4,797.15	13.95	11.73	101.03	186.51	720.51	762.46	737.19	25.28	30.166		
5,000.00	4,994.96	4,936.32	4,895.31	14.23	11.99	101.03	190.64	733.23	776.06	750.27	25.79	30.090		
5,100.00	5,094.85	5,035.39	4,993.48	14.50	12.25	101.03	194.77	745.95	789.67	763.36	26.31	30.015		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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	5,194.75	5,134.46	5,091.64	14.77	12.52	101.03	198.91	758.68	803.27	776.44	26.83	29.940		
5,300.00	5,294.64	5,233.53	5,189.80	15.05	12.78	101.03	203.04	771.40	816.87	789.52	27.35	29.864		
5,400.00	5,394.53	5,332.60	5,287.97	15.32	13.05	101.03	207.18	784.12	830.47	802.60	27.88	29.790		
5,500.00	5,494.43	5,431.67	5,386.13	15.59	13.32	101.03	211.31	796.84	844.08	815.67	28.41	29.715		
5,600.00	5,594.32	5,530.74	5,484.29	15.87	13.59	101.03	215.44	809.57	857.68	828.74	28.93	29.642		
5,700.00	5,694.21	5,629.81	5,582.46	16.14	13.86	101.03	219.58	822.29	871.28	841.81	29.47	29.569		
5,800.00	5,794.11	5,728.88	5,680.62	16.42	14.14	101.02	223.71	835.01	884.88	854.88	30.00	29.497		
5,900.00	5,894.00	5,827.95	5,778.78	16.69	14.41	101.02	227.84	847.73	898.49	867.95	30.53	29.426		
6,000.00	5,993.89	5,927.02	5,876.95	16.97	14.69	101.02	231.98	860.45	912.09	881.02	31.07	29.355		
6,100.00	6,093.79	6,026.10	5,975.11	17.24	14.97	101.02	236.11	873.18	925.69	894.08	31.61	29.286		
6,200.00	6,193.68	7,773.39	7,029.40	17.52	20.20	168.84	282.37	-41.72	836.81	809.16	27.65	30.264		
6,300.00	6,293.57	7,774.58	7,029.40	17.79	20.21	171.15	282.37	-42.92	736.87	708.96	27.91	26.401		
6,400.00	6,393.46	7,775.77	7,029.41	18.07	20.23	173.51	282.38	-44.11	636.95	608.77	28.18	22.605		
6,500.00	6,493.36	7,776.97	7,029.41	18.35	20.24	175.93	282.38	-45.30	537.06	508.61	28.45	18.875		
6,600.00	6,593.25	7,778.16	7,029.42	18.62	20.25	178.41	282.38	-46.50	437.22	408.47	28.74	15.212		
6,700.00	6,692.89	7,772.99	7,029.39	18.87	20.20	167.67	282.37	-41.32	337.68	308.66	29.02	11.635		
6,800.00	6,790.44	7,752.35	7,029.31	19.10	20.01	167.72	282.33	-20.68	240.36	211.09	29.27	8.212		
6,900.00	6,883.50	7,716.67	7,029.16	19.32	19.70	163.15	282.26	14.99	147.97	118.34	29.63	4.995		
7,000.00	6,969.78	7,666.83	7,028.95	19.55	19.28	146.28	282.16	64.83	64.64	33.27	31.37	2.061		
7,074.73	7,028.55	7,621.07	7,028.75	19.86	18.92	93.94	282.07	110.59	26.35	-13.02	39.37	0.669	Level 1, CC, ES, SF	
7,100.00	7,047.15	7,604.07	7,028.68	19.97	18.79	67.78	282.04	127.59	32.31	-3.53	35.84	0.002	Level 1	
7,200.00	7,113.71	7,529.92	7,028.37	20.55	18.28	24.50	281.90	201.74	89.60	59.94	29.66	3.021		
7,300.00	7,167.82	7,446.21	7,028.01	21.38	17.78	15.05	281.73	285.45	142.61	113.61	29.00	4.917		
7,400.00	7,208.14	7,374.88	7,024.00	22.49	17.43	11.72	281.44	356.63	187.55	158.80	28.76	6.522		
7,500.00	7,233.69	7,306.11	7,012.64	23.90	17.13	9.83	280.84	424.42	228.48	199.64	28.84	7.923		
7,600.00	7,243.83	7,238.96	6,994.56	25.55	16.90	8.66	279.96	489.05	264.88	235.70	29.18	9.078		
7,700.00	7,243.86	7,174.49	6,970.89	26.79	16.72	8.07	278.85	548.98	301.54	273.35	28.19	10.697		
7,800.00	7,243.68	7,115.37	6,943.97	26.98	16.60	7.57	277.62	601.57	346.87	317.98	28.89	12.008		
7,900.00	7,243.51	7,061.91	6,915.52	27.27	16.52	7.13	276.33	646.80	399.90	370.10	29.80	13.418		
8,000.00	7,243.33	7,013.96	6,886.86	27.65	16.47	6.75	275.05	685.20	459.53	428.72	30.81	14.915		
8,100.00	7,243.16	6,971.19	6,858.92	28.12	16.44	6.44	273.81	717.55	524.73	492.90	31.82	16.490		
8,200.00	7,242.98	6,933.13	6,832.28	28.68	16.42	6.18	272.63	744.71	594.61	561.83	32.79	18.136		
8,300.00	7,242.81	6,900.00	6,807.81	29.33	16.41	5.97	271.56	767.01	668.43	634.74	33.70	19.837		
8,400.00	7,242.63	6,869.11	6,783.98	30.06	16.40	5.79	270.51	786.63	745.55	711.05	34.50	21.611		
8,500.00	7,242.46	6,850.00	6,768.77	30.86	16.40	5.68	269.85	798.18	825.53	790.17	35.36	23.347		
8,600.00	7,242.29	6,818.11	6,742.64	31.73	16.39	5.51	268.71	816.41	907.69	871.79	35.91	25.280		
8,700.00	7,242.11	6,800.00	6,727.41	32.66	16.39	5.42	268.05	826.18	991.95	955.39	36.55	27.138		
8,800.00	7,241.94	6,777.02	6,707.69	33.66	16.38	5.31	267.19	837.95	1,077.86	1,040.81	37.05	29.090		
8,900.00	7,241.76	6,750.00	6,683.97	34.70	16.37	5.19	266.16	850.86	1,165.36	1,127.90	37.46	31.113		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 30N-30B-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	74.61	41.17	149.61	155.17					
100.00	100.00	101.00	99.00	3.28	3.28	74.61	41.17	149.61	155.17	147.65	7.53	20.610		
200.00	200.00	199.00	199.00	3.31	3.30	74.61	41.17	149.61	155.17	147.60	7.57	20.489	CC, ES	
300.00	299.98	294.01	294.00	3.35	3.35	84.56	41.92	150.96	156.58	148.92	7.66	20.448		
400.00	399.88	388.79	388.65	3.42	3.41	85.63	44.18	155.06	160.98	153.20	7.78	20.698		
500.00	499.77	483.24	482.78	3.51	3.49	86.42	47.93	161.86	168.60	160.66	7.93	21.250		
600.00	599.67	577.17	576.08	3.62	3.60	86.86	53.15	171.32	179.38	171.26	8.12	22.080		
700.00	699.56	673.90	671.83	3.74	3.74	87.03	59.79	183.34	192.76	184.39	8.36	23.051		
800.00	799.45	772.97	769.86	3.88	3.90	87.17	66.72	195.89	206.40	197.75	8.65	23.869		
900.00	899.35	872.03	867.88	4.04	4.09	87.28	73.65	208.44	220.04	211.08	8.96	24.549		
1,000.00	999.24	971.10	965.90	4.21	4.30	87.39	80.57	220.99	233.69	224.38	9.31	25.105		
1,100.00	1,099.13	1,070.16	1,063.92	4.39	4.53	87.48	87.50	233.54	247.33	237.65	9.68	25.556		
1,200.00	1,199.03	1,169.22	1,161.94	4.58	4.77	87.56	94.43	246.09	260.98	250.91	10.07	25.916		
1,300.00	1,298.92	1,268.29	1,259.96	4.78	5.02	87.63	101.36	258.64	274.62	264.14	10.48	26.201		
1,400.00	1,398.81	1,367.35	1,357.98	4.98	5.29	87.70	108.29	271.19	288.27	277.36	10.91	26.425		
1,500.00	1,498.70	1,466.42	1,456.01	5.20	5.56	87.76	115.21	283.74	301.92	290.57	11.35	26.596		
1,600.00	1,598.60	1,565.48	1,554.03	5.42	5.84	87.82	122.14	296.29	315.56	303.76	11.81	26.725		
1,700.00	1,698.49	1,664.54	1,652.05	5.64	6.13	87.87	129.07	308.84	329.21	316.94	12.28	26.819		
1,800.00	1,798.38	1,763.61	1,750.07	5.88	6.42	87.92	136.00	321.39	342.86	330.11	12.75	26.885		
1,900.00	1,898.28	1,862.67	1,848.09	6.11	6.63	87.96	142.92	333.94	356.51	343.73	12.78	27.896		
2,000.00	1,998.17	1,961.74	1,946.11	6.35	6.71	88.00	149.85	346.49	370.16	357.08	13.08	28.309		
2,100.00	2,098.06	2,060.80	2,044.13	6.59	6.75	88.04	156.78	359.04	383.80	370.46	13.34	28.770		
2,200.00	2,197.96	2,159.86	2,142.15	6.83	6.81	88.07	163.71	371.59	397.45	383.83	13.62	29.177		
2,300.00	2,297.85	2,258.93	2,240.18	7.08	6.88	88.10	170.64	384.14	411.10	397.18	13.92	29.531		
2,400.00	2,397.74	2,357.99	2,338.20	7.33	6.96	88.13	177.56	396.69	424.75	410.51	14.24	29.838		
2,500.00	2,497.63	2,457.06	2,436.22	7.58	7.06	88.16	184.49	409.24	438.40	423.83	14.57	30.099		
2,600.00	2,597.53	2,556.12	2,534.24	7.84	7.16	88.19	191.42	421.78	452.05	437.14	14.91	30.319		
2,700.00	2,697.42	2,655.18	2,632.26	8.09	7.29	88.21	198.35	434.33	465.70	450.43	15.27	30.502		
2,800.00	2,797.31	2,754.25	2,730.28	8.35	7.42	88.24	205.27	446.88	479.35	463.71	15.64	30.650		
2,900.00	2,897.21	2,853.31	2,828.30	8.61	7.56	88.26	212.20	459.43	492.99	476.97	16.02	30.767		
3,000.00	2,997.10	2,952.38	2,926.33	8.87	7.71	88.28	219.13	471.98	506.64	490.22	16.42	30.857		
3,100.00	3,096.99	3,051.44	3,024.35	9.13	7.87	88.30	226.06	484.53	520.29	503.47	16.83	30.923		
3,200.00	3,196.89	3,150.50	3,122.37	9.39	8.05	88.32	232.99	497.08	533.94	516.70	17.24	30.966		
3,300.00	3,296.78	3,249.57	3,220.39	9.65	8.23	88.34	239.91	509.63	547.59	529.92	17.67	30.991		
3,400.00	3,396.67	3,348.63	3,318.41	9.92	8.41	88.36	246.84	522.18	561.24	543.14	18.10	30.999		
3,500.00	3,496.57	3,447.70	3,416.43	10.18	8.61	88.37	253.77	534.73	574.89	556.34	18.55	30.993		
3,600.00	3,596.46	3,546.76	3,514.45	10.45	8.81	88.39	260.70	547.28	588.54	569.54	19.00	30.974		
3,700.00	3,696.35	3,645.82	3,612.47	10.71	9.02	88.40	267.62	559.83	602.19	582.73	19.46	30.945		
3,800.00	3,796.24	3,744.89	3,710.50	10.98	9.23	88.42	274.55	572.38	615.84	595.91	19.93	30.906		
3,900.00	3,896.14	3,843.95	3,808.52	11.25	9.45	88.43	281.48	584.93	629.49	609.09	20.40	30.859		
4,000.00	3,996.03	3,943.02	3,906.54	11.52	9.68	88.45	288.41	597.48	643.14	622.26	20.88	30.806		
4,100.00	4,095.92	4,042.08	4,004.56	11.79	9.91	88.46	295.34	610.03	656.79	635.43	21.36	30.748		
4,200.00	4,195.82	4,141.14	4,102.58	12.06	10.15	88.47	302.26	622.58	670.44	648.59	21.85	30.684		
4,300.00	4,295.71	4,240.21	4,200.60	12.33	10.38	88.48	309.19	635.13	684.09	661.74	22.34	30.617		
4,400.00	4,395.60	4,339.27	4,298.62	12.60	10.63	88.49	316.12	647.68	697.74	674.90	22.84	30.547		
4,500.00	4,495.50	4,438.33	4,396.65	12.87	10.87	88.50	323.05	660.22	711.39	688.04	23.34	30.475		
4,600.00	4,595.39	4,537.40	4,494.67	13.14	11.12	88.51	329.97	672.77	725.04	701.19	23.85	30.401		
4,700.00	4,695.28	4,636.46	4,592.69	13.41	11.38	88.52	336.90	685.32	738.69	714.33	24.36	30.325		
4,800.00	4,795.18	4,735.53	4,690.71	13.68	11.63	88.53	343.83	697.87	752.34	727.47	24.87	30.249		
4,900.00	4,895.07	4,834.59	4,788.73	13.95	11.89	88.54	350.76	710.42	765.99	740.60	25.39	30.171		
5,000.00	4,994.96	4,933.65	4,886.75	14.23	12.15	88.55	357.69	722.97	779.64	753.73	25.91	30.094		
5,100.00	5,094.85	5,032.72	4,984.77	14.50	12.42	88.56	364.61	735.52	793.29	766.86	26.43	30.016		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 30N-30B-M - Wellbore #1 - Design #1											Offset Site Error:		0.00 usft	
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA											Offset Well Error:		3.28 usft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,200.00	5,194.75	5,131.78	5,082.80	14.77	12.69	88.57	371.54	748.07	806.94	779.98	26.95	29.938		
5,300.00	5,294.64	5,230.85	5,180.82	15.05	12.95	88.58	378.47	760.62	820.59	793.11	27.48	29.861		
5,400.00	5,394.53	5,329.91	5,278.84	15.32	13.23	88.58	385.40	773.17	834.24	806.23	28.01	29.785		
5,500.00	5,494.43	5,428.97	5,376.86	15.59	13.50	88.59	392.32	785.72	847.89	819.35	28.54	29.708		
5,600.00	5,594.32	5,528.04	5,474.88	15.87	13.77	88.60	399.25	798.27	861.54	832.46	29.07	29.633		
5,700.00	5,694.21	5,627.10	5,572.90	16.14	14.05	88.61	406.18	810.82	875.19	845.58	29.61	29.559		
5,800.00	5,794.11	5,726.17	5,670.92	16.42	14.33	88.61	413.11	823.37	888.84	858.69	30.15	29.485		
5,900.00	5,894.00	5,825.23	5,768.94	16.69	14.61	88.62	420.04	835.92	902.49	871.80	30.68	29.412		
6,000.00	5,993.89	5,924.29	5,866.97	16.97	14.89	88.63	426.96	848.47	916.14	884.91	31.22	29.340		
6,100.00	6,093.79	6,023.36	5,964.99	17.24	15.17	88.63	433.89	861.02	929.79	898.02	31.77	29.270		
6,200.00	6,193.68	6,122.42	6,063.01	17.52	15.45	88.64	440.82	873.57	943.44	911.13	32.31	29.200		
6,300.00	6,293.57	7,933.02	7,168.60	17.79	20.82	11.94	520.72	-44.03	909.80	881.20	28.60	31.811		
6,400.00	6,393.46	7,933.97	7,168.60	18.07	20.82	11.67	520.72	-44.98	812.70	783.72	28.98	28.044		
6,500.00	6,493.36	7,934.92	7,168.61	18.35	20.83	11.41	520.73	-45.93	716.40	686.98	29.42	24.350		
6,600.00	6,593.25	7,935.87	7,168.61	18.62	20.84	11.14	520.73	-46.88	621.26	591.30	29.96	20.734		
6,700.00	6,692.89	7,930.45	7,168.60	18.87	20.79	-88.44	520.72	-41.47	528.15	497.52	30.63	17.242		
6,800.00	6,790.44	7,909.57	7,168.56	19.10	20.60	-109.32	520.68	-20.59	439.79	408.32	31.47	13.976		
6,900.00	6,883.50	7,873.66	7,168.50	19.32	20.29	-115.84	520.62	15.32	360.01	327.36	32.65	11.027		
7,000.00	6,969.78	7,823.62	7,168.41	19.55	19.88	-115.44	520.53	65.36	293.18	258.83	34.35	8.535		
7,100.00	7,047.15	7,760.66	7,168.29	19.97	19.40	-110.05	520.41	128.32	243.97	207.38	36.59	6.668		
7,200.00	7,113.71	7,686.35	7,168.16	20.55	18.88	-100.80	520.28	202.63	215.42	176.61	38.81	5.550		
7,300.00	7,167.82	7,602.51	7,168.01	21.38	18.38	-89.63	520.13	286.47	205.69	165.42	40.27	5.107		
7,323.03	7,178.37	7,581.96	7,167.82	21.63	18.28	-87.03	520.08	307.02	205.42	164.90	40.52	5.070 SF		
7,400.00	7,208.14	7,514.81	7,162.72	22.49	17.96	-78.42	519.61	373.94	208.32	167.36	40.96	5.086		
7,500.00	7,233.69	7,431.73	7,146.73	23.90	17.64	-67.97	518.34	455.40	219.62	178.51	41.11	5.342		
7,600.00	7,243.83	7,352.39	7,121.72	25.55	17.41	-58.89	516.44	530.62	236.91	195.87	41.04	5.773		
7,700.00	7,243.86	7,277.95	7,089.93	26.79	17.26	-52.12	514.08	597.83	260.50	220.53	39.96	6.519		
7,800.00	7,243.68	7,211.86	7,055.32	26.98	17.18	-46.01	511.53	654.05	295.28	256.81	38.47	7.676		
7,900.00	7,243.51	7,154.01	7,020.40	27.27	17.14	-40.78	508.98	700.07	341.04	303.57	37.47	9.101		
8,000.00	7,243.33	7,100.00	6,984.15	27.65	17.12	-36.20	506.34	740.00	396.40	359.49	36.91	10.739		
8,100.00	7,243.16	7,060.18	6,955.34	28.12	17.11	-33.09	504.25	767.40	459.56	422.58	36.98	12.428		
8,200.00	7,242.98	7,022.39	6,926.46	28.68	17.10	-30.36	502.17	791.67	529.01	491.81	37.20	14.222		
8,300.00	7,242.81	6,989.53	6,900.22	29.33	17.10	-28.17	500.27	811.36	603.43	565.88	37.55	16.070		
8,400.00	7,242.63	6,960.82	6,876.49	30.06	17.09	-26.39	498.56	827.43	681.78	643.82	37.96	17.962		
8,500.00	7,242.46	6,935.63	6,855.10	30.86	17.08	-24.93	497.02	840.63	763.28	724.90	38.38	19.889		
8,600.00	7,242.29	6,913.42	6,835.81	31.73	17.08	-23.73	495.64	851.56	847.33	808.54	38.79	21.845		
8,700.00	7,242.11	6,900.00	6,823.98	32.66	17.07	-23.03	494.79	857.83	933.50	894.24	39.26	23.779		
8,800.00	7,241.94	6,876.18	6,802.66	33.66	17.06	-21.86	493.26	868.35	1,021.27	981.73	39.54	25.829		
8,900.00	7,241.76	6,850.00	6,778.80	34.70	17.05	-20.65	491.55	878.97	1,110.66	1,070.88	39.77	27.926		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 31N-30B-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	128.32	-119.12	150.73	192.12				
100.00	100.00	101.00	99.00	3.28	3.28	128.32	-119.12	150.73	192.12	184.59	7.53	25.517	
200.00	200.00	199.00	199.00	3.31	3.30	128.32	-119.12	150.73	192.12	184.54	7.57	25.367	CC, ES, SF
300.00	299.98	292.69	292.67	3.35	3.34	138.11	-120.07	151.89	195.01	187.36	7.66	25.474	
400.00	399.88	385.84	385.71	3.42	3.40	138.88	-122.94	155.39	203.20	195.42	7.77	26.137	
500.00	499.77	478.38	477.94	3.51	3.47	139.63	-127.68	161.19	214.78	206.86	7.92	27.106	
600.00	599.67	570.13	569.10	3.62	3.57	140.28	-134.24	169.21	229.59	221.48	8.11	28.322	
700.00	699.56	663.18	658.84	3.74	3.70	140.82	-142.54	179.35	247.57	239.25	8.32	29.756	
800.00	799.45	758.86	755.61	3.88	3.87	141.32	-152.52	191.53	267.16	258.57	8.59	31.094	
900.00	899.35	856.90	852.37	4.04	4.07	141.75	-162.49	203.71	286.77	277.87	8.90	32.228	
1,000.00	999.24	954.94	949.14	4.21	4.29	142.12	-172.46	215.89	306.38	297.15	9.23	33.182	
1,100.00	1,099.13	1,052.98	1,045.90	4.39	4.53	142.45	-182.43	228.08	326.01	316.42	9.59	33.979	
1,200.00	1,199.03	1,151.02	1,142.67	4.58	4.79	142.74	-192.40	240.26	345.65	335.68	9.98	34.641	
1,300.00	1,298.92	1,249.05	1,239.44	4.78	5.07	143.00	-202.37	252.44	365.30	354.92	10.38	35.186	
1,400.00	1,398.81	1,347.09	1,336.20	4.98	5.35	143.23	-212.34	264.62	384.95	374.15	10.80	35.636	
1,500.00	1,498.70	1,445.13	1,432.97	5.20	5.65	143.44	-222.31	276.80	404.61	393.38	11.24	36.006	
1,600.00	1,598.60	1,543.17	1,529.74	5.42	5.95	143.63	-232.28	288.98	424.28	412.59	11.69	36.303	
1,700.00	1,698.49	1,641.21	1,626.50	5.64	6.26	143.80	-242.25	301.17	443.95	431.80	12.15	36.544	
1,800.00	1,798.38	1,739.25	1,723.27	5.88	6.58	143.96	-252.22	313.35	463.62	451.00	12.62	36.738	
1,900.00	1,898.28	1,837.28	1,820.03	6.11	6.84	144.11	-262.19	325.53	483.29	470.62	12.67	38.137	
2,000.00	1,998.17	1,935.32	1,916.80	6.35	6.97	144.24	-272.16	337.71	502.97	489.98	12.99	38.712	
2,100.00	2,098.06	2,033.36	2,013.57	6.59	7.01	144.37	-282.13	349.89	522.65	509.40	13.25	39.450	
2,200.00	2,197.96	2,131.40	2,110.33	6.83	7.07	144.48	-292.10	362.08	542.33	528.81	13.52	40.109	
2,300.00	2,297.85	2,229.44	2,207.10	7.08	7.14	144.59	-302.07	374.26	562.01	548.20	13.81	40.690	
2,400.00	2,397.74	2,327.48	2,303.86	7.33	7.23	144.69	-312.05	386.44	581.70	567.58	14.12	41.200	
2,500.00	2,497.63	2,425.51	2,400.63	7.58	7.33	144.78	-322.02	398.62	601.39	586.95	14.44	41.643	
2,600.00	2,597.53	2,523.55	2,497.40	7.84	7.45	144.87	-331.99	410.80	621.08	606.30	14.78	42.023	
2,700.00	2,697.42	2,621.59	2,594.16	8.09	7.57	144.95	-341.96	422.99	640.77	625.64	15.13	42.346	
2,800.00	2,797.31	2,719.63	2,690.93	8.35	7.71	145.03	-351.93	435.17	660.46	644.96	15.50	42.617	
2,900.00	2,897.21	2,817.67	2,787.70	8.61	7.87	145.10	-361.90	447.35	680.15	664.27	15.88	42.841	
3,000.00	2,997.10	2,915.71	2,884.46	8.87	8.03	145.17	-371.87	459.53	699.84	683.58	16.27	43.022	
3,100.00	3,096.99	3,013.74	2,981.23	9.13	8.20	145.24	-381.84	471.71	719.54	702.87	16.67	43.165	
3,200.00	3,196.89	3,111.78	3,077.99	9.39	8.38	145.30	-391.81	483.89	739.23	722.15	17.08	43.274	
3,300.00	3,296.78	3,209.82	3,174.76	9.65	8.58	145.36	-401.78	496.08	758.93	741.42	17.51	43.355	
3,400.00	3,396.67	3,307.86	3,271.53	9.92	8.78	145.41	-411.75	508.26	778.63	760.69	17.94	43.406	
3,500.00	3,496.57	3,405.90	3,368.29	10.18	8.99	145.47	-421.72	520.44	798.32	779.94	18.38	43.435	
3,600.00	3,596.46	3,503.93	3,465.06	10.45	9.20	145.52	-431.69	532.62	818.02	799.19	18.83	43.445	
3,700.00	3,696.35	3,601.97	3,561.83	10.71	9.42	145.56	-441.66	544.80	837.72	818.43	19.29	43.437	
3,800.00	3,796.24	3,700.01	3,658.59	10.98	9.65	145.61	-451.63	556.99	857.42	837.67	19.75	43.414	
3,900.00	3,896.14	3,801.95	3,755.36	11.25	9.90	145.65	-461.60	569.17	877.12	856.89	20.23	43.360	
4,000.00	3,996.03	3,896.09	3,852.12	11.52	10.13	145.69	-471.58	581.35	896.82	876.12	20.70	43.330	
4,100.00	4,095.92	4,005.87	3,948.89	11.79	10.40	145.73	-481.55	593.53	916.52	895.31	21.21	43.220	
4,200.00	4,195.82	4,092.16	4,045.66	12.06	10.63	145.77	-491.52	605.71	936.22	914.55	21.67	43.209	
4,300.00	4,295.71	4,209.80	4,142.42	12.33	10.93	145.81	-501.49	617.90	955.92	933.72	22.21	43.049	
4,400.00	4,395.60	4,288.24	4,239.19	12.60	11.14	145.84	-511.46	630.08	975.62	952.97	22.66	43.061	
4,500.00	4,495.50	4,386.28	4,335.96	12.87	11.40	145.88	-521.43	642.26	995.33	972.17	23.16	42.980	
4,600.00	4,595.39	4,484.32	4,432.72	13.14	11.67	145.91	-531.40	654.44	1,015.03	991.36	23.66	42.895	
4,700.00	4,695.28	4,582.36	4,529.49	13.41	11.94	145.94	-541.37	666.62	1,034.73	1,010.56	24.17	42.807	
4,800.00	4,795.18	4,680.39	4,626.25	13.68	12.21	145.97	-551.34	678.80	1,054.43	1,029.75	24.68	42.716	
4,900.00	4,895.07	4,778.43	4,723.02	13.95	12.49	146.00	-561.31	690.99	1,074.14	1,048.94	25.20	42.624	
5,000.00	4,994.96	4,876.47	4,819.79	14.23	12.77	146.03	-571.28	703.17	1,093.84	1,068.12	25.72	42.531	
5,100.00	5,094.85	4,974.51	4,916.55	14.50	13.05	146.06	-581.25	715.35	1,113.54	1,087.30	26.24	42.436	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 31N-30B-M - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
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	5,194.75	5,072.55	5,013.32	14.77	13.33	146.08	-591.22	727.53	1,133.25	1,106.48	26.76	42.341	
5,300.00	5,294.64	5,170.59	5,110.08	15.05	13.62	146.11	-601.19	739.71	1,152.95	1,125.66	27.29	42.246	
5,400.00	5,394.53	5,268.62	5,206.85	15.32	13.91	146.13	-611.16	751.90	1,172.66	1,144.84	27.82	42.151	
5,500.00	5,494.43	5,366.66	5,303.62	15.59	14.20	146.15	-621.13	764.08	1,192.36	1,164.01	28.35	42.056	
6,800.00	6,790.44	7,915.42	7,168.50	19.10	20.41	103.88	-809.74	-24.69	1,170.59	1,132.04	38.55	30.366	
6,900.00	6,883.50	7,879.51	7,168.44	19.32	20.11	101.24	-809.85	11.22	1,147.99	1,108.97	39.03	29.415	
7,000.00	6,969.78	7,829.46	7,168.36	19.55	19.72	98.94	-810.02	61.27	1,133.53	1,094.20	39.34	28.815	
7,100.00	7,047.15	7,766.50	7,168.25	19.97	19.27	96.33	-810.23	124.23	1,126.09	1,086.53	39.56	28.467	
7,200.00	7,113.71	7,707.81	7,168.13	20.55	18.90	93.50	-810.47	198.55	1,123.97	1,084.07	39.90	28.172	
7,203.44	7,115.79	7,689.45	7,168.12	20.58	18.81	93.41	-810.48	201.28	1,123.96	1,084.15	39.82	28.228	
7,300.00	7,167.82	7,607.43	7,167.97	21.38	18.48	90.74	-810.75	283.30	1,125.19	1,084.97	40.22	27.975	
7,400.00	7,208.14	7,505.14	7,158.84	22.49	18.29	87.82	-810.17	385.07	1,127.34	1,086.46	40.89	27.573	
7,500.00	7,233.69	7,410.98	7,136.22	23.90	18.24	85.22	-808.16	476.37	1,129.40	1,087.47	41.93	26.938	
7,600.00	7,243.83	7,323.16	7,103.26	25.55	18.23	82.93	-805.06	557.63	1,131.21	1,087.93	43.27	26.142	
7,700.00	7,243.86	7,242.83	7,063.64	26.79	18.24	80.89	-801.24	627.34	1,133.65	1,089.57	44.08	25.716	
7,800.00	7,243.68	7,173.80	7,022.85	26.98	18.26	78.83	-797.25	682.84	1,139.35	1,095.33	44.02	25.883	
7,900.00	7,243.51	7,115.20	6,983.69	27.27	18.27	76.87	-793.38	726.24	1,149.44	1,105.41	44.03	26.103	
8,000.00	7,243.33	7,065.62	6,947.59	27.65	18.27	75.07	-789.79	760.01	1,164.74	1,120.62	44.12	26.399	
8,100.00	7,243.16	7,023.61	6,915.02	28.12	18.27	73.46	-786.54	786.34	1,185.77	1,141.50	44.27	26.786	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 31N-30C-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	123.32	-99.08	150.73	180.38					
100.00	100.00	101.00	99.00	3.28	3.28	123.32	-99.08	150.73	180.38	172.85	7.53	23.958		
200.00	200.00	199.00	199.00	3.31	3.30	123.32	-99.08	150.73	180.38	172.81	7.57	23.817	CC, ES	
300.00	299.98	293.06	293.05	3.35	3.34	133.12	-99.83	152.04	183.17	175.52	7.66	23.926		
400.00	399.88	386.62	386.49	3.42	3.40	133.91	-102.08	156.01	191.09	183.32	7.78	24.578		
500.00	499.77	479.59	479.15	3.51	3.48	134.61	-105.82	162.58	202.41	194.48	7.93	25.537		
600.00	599.67	571.80	570.76	3.62	3.58	135.15	-110.98	171.68	216.93	208.82	8.11	26.748		
700.00	699.56	667.63	665.65	3.74	3.71	135.56	-117.58	183.29	234.03	225.69	8.34	28.061		
800.00	799.45	766.10	763.13	3.88	3.88	135.93	-124.47	195.41	251.37	242.75	8.62	29.176		
900.00	899.35	864.57	860.61	4.04	4.07	136.25	-131.35	207.54	268.71	259.79	8.92	30.117		
1,000.00	999.24	963.05	958.09	4.21	4.28	136.53	-138.24	219.66	286.07	276.81	9.26	30.901		
1,100.00	1,099.13	1,061.52	1,055.58	4.39	4.51	136.77	-145.13	231.78	303.43	293.81	9.62	31.549		
1,200.00	1,199.03	1,160.00	1,153.06	4.58	4.75	137.00	-152.02	243.91	320.79	310.79	10.00	32.080		
1,300.00	1,298.92	1,258.47	1,250.54	4.78	5.01	137.19	-158.90	256.03	338.16	327.76	10.40	32.511		
1,400.00	1,398.81	1,356.94	1,348.02	4.98	5.28	137.37	-165.79	268.15	355.53	344.71	10.82	32.862		
1,500.00	1,498.70	1,455.42	1,445.50	5.20	5.55	137.54	-172.68	280.28	372.90	361.65	11.25	33.142		
1,600.00	1,598.60	1,553.89	1,542.98	5.42	5.84	137.68	-179.56	292.40	390.28	378.58	11.70	33.361		
1,700.00	1,698.49	1,652.37	1,640.47	5.64	6.13	137.82	-186.45	304.52	407.66	395.51	12.16	33.534		
1,800.00	1,798.38	1,750.84	1,737.95	5.88	6.43	137.94	-193.34	316.65	425.04	412.42	12.62	33.668		
1,900.00	1,898.28	1,849.31	1,835.43	6.11	6.66	138.06	-200.22	328.77	442.43	429.77	12.66	34.947		
2,000.00	1,998.17	1,947.79	1,932.91	6.35	6.76	138.16	-207.11	340.89	459.81	446.85	12.97	35.464		
2,100.00	2,098.06	2,046.26	2,030.39	6.59	6.80	138.26	-214.00	353.02	477.20	463.98	13.22	36.086		
2,200.00	2,197.96	2,144.73	2,127.87	6.83	6.86	138.35	-220.89	365.14	494.59	481.09	13.50	36.638		
2,300.00	2,297.85	2,243.21	2,225.36	7.08	6.92	138.44	-227.77	377.26	511.98	498.18	13.79	37.124		
2,400.00	2,397.74	2,341.68	2,322.84	7.33	7.01	138.52	-234.66	389.39	529.37	515.27	14.10	37.546		
2,500.00	2,497.63	2,440.16	2,420.32	7.58	7.10	138.59	-241.55	401.51	546.76	532.33	14.42	37.911		
2,600.00	2,597.53	2,538.63	2,517.80	7.84	7.21	138.66	-248.43	413.64	564.15	549.39	14.76	38.221		
2,700.00	2,697.42	2,637.10	2,615.28	8.09	7.33	138.73	-255.32	425.76	581.54	566.43	15.11	38.482		
2,800.00	2,797.31	2,735.58	2,712.76	8.35	7.47	138.79	-262.21	437.88	598.93	583.46	15.48	38.698		
2,900.00	2,897.21	2,834.05	2,810.25	8.61	7.61	138.85	-269.09	450.01	616.33	600.47	15.85	38.873		
3,000.00	2,997.10	2,932.52	2,907.73	8.87	7.77	138.90	-275.98	462.13	633.72	617.48	16.24	39.012		
3,100.00	3,096.99	3,031.00	3,005.21	9.13	7.93	138.95	-282.87	474.25	651.12	634.47	16.64	39.118		
3,200.00	3,196.89	3,129.47	3,102.69	9.39	8.10	139.00	-289.76	486.38	668.51	651.46	17.06	39.196		
3,300.00	3,296.78	3,227.95	3,200.17	9.65	8.29	139.05	-296.64	498.50	685.91	668.43	17.48	39.248		
3,400.00	3,396.67	3,326.42	3,297.65	9.92	8.48	139.09	-303.53	510.62	703.31	685.40	17.91	39.277		
3,500.00	3,496.57	3,424.89	3,395.14	10.18	8.68	139.14	-310.42	522.75	720.70	702.36	18.34	39.287		
3,600.00	3,596.46	3,523.37	3,492.62	10.45	8.88	139.18	-317.30	534.87	738.10	719.31	18.79	39.280		
3,700.00	3,696.35	3,621.84	3,590.10	10.71	9.10	139.21	-324.19	546.99	755.50	736.25	19.24	39.259		
3,800.00	3,796.24	3,720.31	3,687.58	10.98	9.32	139.25	-331.08	559.12	772.89	753.19	19.70	39.224		
3,900.00	3,896.14	3,818.79	3,785.06	11.25	9.54	139.29	-337.96	571.24	790.29	770.12	20.17	39.179		
4,000.00	3,996.03	3,917.26	3,882.54	11.52	9.77	139.32	-344.85	583.36	807.69	787.05	20.64	39.125		
4,100.00	4,095.92	4,015.74	3,980.03	11.79	10.01	139.35	-351.74	595.49	825.09	803.97	21.12	39.063		
4,200.00	4,195.82	4,114.21	4,077.51	12.06	10.25	139.38	-358.63	607.61	842.49	820.88	21.61	38.994		
4,300.00	4,295.71	4,212.68	4,174.99	12.33	10.49	139.41	-365.51	619.74	859.89	837.79	22.09	38.920		
4,400.00	4,395.60	4,311.16	4,272.47	12.60	10.74	139.44	-372.40	631.86	877.29	854.70	22.59	38.841		
4,500.00	4,495.50	4,409.63	4,369.95	12.87	10.99	139.47	-379.29	643.98	894.69	871.60	23.08	38.759		
4,600.00	4,595.39	4,508.10	4,467.43	13.14	11.25	139.50	-386.17	656.11	912.09	888.50	23.58	38.674		
4,700.00	4,695.28	4,606.58	4,564.92	13.41	11.51	139.52	-393.06	668.23	929.49	905.40	24.09	38.587		
4,800.00	4,795.18	4,705.05	4,662.40	13.68	11.77	139.55	-399.95	680.35	946.89	922.29	24.60	38.497		
4,900.00	4,895.07	4,803.53	4,759.88	13.95	12.03	139.57	-406.84	692.48	964.29	939.18	25.11	38.407		
5,000.00	4,994.96	4,902.00	4,857.36	14.23	12.30	139.59	-413.72	704.60	981.69	956.07	25.62	38.316		
5,100.00	5,094.85	5,000.47	4,954.84	14.50	12.57	139.61	-420.61	716.72	999.09	972.95	26.14	38.224		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 31N-30C-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	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)		
5,200.00	5,194.75	5,101.05	5,052.32	14.77	12.85	139.63	-427.50	728.85	1,016.49	989.82	26.66	38.124	
5,300.00	5,294.64	5,202.58	5,149.80	15.05	13.13	139.66	-434.38	740.97	1,033.89	1,006.70	27.19	38.022	
5,400.00	5,394.53	5,304.11	5,247.29	15.32	13.42	139.67	-441.27	753.09	1,051.29	1,023.56	27.72	37.920	
5,500.00	5,494.43	5,405.63	5,344.77	15.59	13.70	139.69	-448.16	765.22	1,068.69	1,040.43	28.26	37.818	
5,600.00	5,594.32	5,507.16	5,442.25	15.87	13.99	139.71	-455.04	777.34	1,086.09	1,057.30	28.79	37.718	
5,700.00	5,694.21	5,608.68	5,539.73	16.14	14.28	139.73	-461.93	789.46	1,103.49	1,074.16	29.33	37.619	
5,800.00	5,794.11	5,689.79	5,637.21	16.42	14.52	139.75	-468.82	801.59	1,120.89	1,091.07	29.82	37.589	
5,900.00	5,894.00	5,788.26	5,734.69	16.69	14.80	139.76	-475.71	813.71	1,138.29	1,107.94	30.35	37.501	
6,000.00	5,993.89	5,886.74	5,832.18	16.97	15.09	139.78	-482.59	825.84	1,155.70	1,124.81	30.89	37.415	
6,100.00	6,093.79	5,985.21	5,929.66	17.24	15.38	139.80	-489.48	837.96	1,173.10	1,141.67	31.43	37.329	
6,200.00	6,193.68	6,083.68	6,027.14	17.52	15.67	139.81	-496.37	850.08	1,190.50	1,158.54	31.96	37.245	
6,500.00	6,493.36	8,000.14	7,242.92	18.35	20.51	-170.74	-580.28	-49.41	1,144.89	1,110.07	34.83	32.874	
6,600.00	6,593.25	8,000.89	7,242.92	18.62	20.52	-170.69	-580.28	-50.15	1,085.68	1,049.87	35.81	30.317	
6,700.00	6,692.89	8,004.73	7,242.92	18.87	20.56	113.24	-580.29	-44.53	1,032.91	996.07	36.84	28.037	
6,800.00	6,790.44	7,974.19	7,242.93	19.10	20.29	106.57	-580.33	-23.45	988.29	950.68	37.60	26.282	
6,900.00	6,883.50	7,938.09	7,242.94	19.32	19.99	104.80	-580.40	12.64	953.13	914.87	38.27	24.908	
7,000.00	6,969.78	7,887.87	7,242.95	19.55	19.59	103.01	-580.49	62.86	927.73	888.98	38.75	23.941	
7,100.00	7,047.15	7,824.76	7,242.97	19.97	19.13	100.63	-580.61	125.98	911.34	872.21	39.13	23.291	
7,200.00	7,113.71	7,750.31	7,242.98	20.55	18.68	97.82	-580.75	200.43	902.33	862.83	39.50	22.842	
7,300.00	7,167.82	7,665.29	7,242.99	21.38	18.25	94.92	-580.92	285.44	898.59	858.59	39.99	22.468	
7,400.00	7,208.14	7,558.63	7,233.31	22.49	17.91	91.55	-580.43	391.54	897.04	856.34	40.70	22.041	
7,500.00	7,233.69	7,461.22	7,209.16	23.90	17.74	88.45	-578.91	485.79	896.40	854.61	41.79	21.451	
7,520.49	7,237.04	7,442.21	7,202.78	24.23	17.72	87.85	-578.50	503.70	896.38	854.32	42.07	21.309	
7,600.00	7,243.83	7,370.98	7,174.23	25.55	17.67	85.62	-576.61	568.89	896.64	853.47	43.17	20.772	
7,700.00	7,243.86	7,288.97	7,132.61	26.79	17.64	82.94	-573.81	639.43	898.46	854.47	43.99	20.426 SF	
7,800.00	7,243.68	7,219.06	7,090.23	26.98	17.64	80.25	-570.93	694.92	904.36	860.48	43.88	20.610	
7,900.00	7,243.51	7,160.15	7,050.00	27.27	17.64	77.72	-568.18	737.82	915.80	871.98	43.82	20.901	
8,000.00	7,243.33	7,110.64	7,013.24	27.65	17.63	75.43	-565.65	770.87	933.79	889.99	43.79	21.324	
8,100.00	7,243.16	7,068.92	6,980.35	28.12	17.63	73.41	-563.39	796.43	958.85	915.04	43.81	21.888	
8,200.00	7,242.98	7,033.57	6,951.22	28.68	17.63	71.65	-561.37	816.36	991.10	947.23	43.87	22.593	
8,300.00	7,242.81	7,000.00	6,922.59	29.33	17.62	69.94	-559.39	833.76	1,030.36	986.42	43.94	23.447	
8,400.00	7,242.63	6,977.48	6,902.88	30.06	17.62	68.78	-558.02	844.57	1,076.18	1,032.07	44.11	24.400	
8,500.00	7,242.46	6,950.00	6,878.34	30.86	17.61	67.36	-556.32	856.81	1,128.05	1,083.81	44.23	25.503	
8,600.00	7,242.29	6,935.43	6,865.12	31.73	17.60	66.60	-555.40	862.86	1,185.28	1,140.83	44.45	26.664	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 32N-30B-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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)					
0.00	0.00	1.00	-1.00	3.28	3.28	145.35	-218.93	151.29	266.12							
100.00	100.00	101.00	99.00	3.28	3.28	145.35	-218.93	151.29	266.12	258.59	7.53	35.346				
200.00	200.00	201.00	199.00	3.31	3.31	145.35	-218.93	151.29	266.12	258.54	7.57	35.135 CC, ES				
300.00	299.98	294.83	294.83	3.35	3.34	155.00	-219.25	151.44	268.08	260.42	7.66	35.002 SF				
400.00	399.88	385.98	385.93	3.42	3.39	155.42	-221.82	152.73	275.23	267.46	7.78	35.391				
500.00	499.77	476.60	476.36	3.51	3.46	155.93	-226.95	155.28	285.71	277.78	7.92	36.052				
600.00	599.67	566.51	565.87	3.62	3.55	156.46	-234.56	159.08	299.32	291.21	8.10	36.934				
700.00	699.56	655.55	654.20	3.74	3.66	156.99	-244.58	164.07	316.02	307.71	8.31	38.014				
800.00	799.45	743.56	741.13	3.88	3.81	157.52	-256.89	170.21	335.78	327.24	8.55	39.285				
900.00	899.35	830.40	826.44	4.04	3.98	158.02	-271.37	177.43	358.54	349.74	8.81	40.717				
1,000.00	999.24	915.93	909.95	4.21	4.18	158.49	-287.89	185.67	384.24	375.16	9.09	42.290				
1,100.00	1,099.13	1,000.04	991.50	4.39	4.42	158.92	-306.30	194.85	412.81	403.43	9.39	43.986				
1,200.00	1,199.03	1,087.05	1,075.24	4.58	4.70	159.34	-327.43	205.38	444.01	434.28	9.73	45.644				
1,300.00	1,298.92	1,181.81	1,166.29	4.78	5.05	159.74	-350.92	217.09	475.81	465.67	10.14	46.930				
1,400.00	1,398.81	1,276.57	1,257.35	4.98	5.42	160.09	-374.41	228.80	507.63	497.05	10.57	48.018				
1,500.00	1,498.70	1,371.33	1,348.40	5.20	5.81	160.40	-397.90	240.52	539.46	528.43	11.03	48.924				
1,600.00	1,598.60	1,466.09	1,439.45	5.42	6.22	160.67	-421.39	252.23	571.30	559.82	11.49	49.737				
1,700.00	1,698.49	1,560.85	1,530.50	5.64	6.64	160.92	-444.87	263.94	603.16	591.19	11.97	50.377				
1,800.00	1,798.38	1,655.61	1,621.56	5.88	7.07	161.14	-468.36	275.65	635.03	622.56	12.47	50.927				
1,900.00	1,898.28	1,750.37	1,712.61	6.11	7.51	161.34	-491.85	287.36	666.90	654.13	12.77	52.232				
2,000.00	1,998.17	1,845.13	1,803.66	6.35	7.86	161.52	-515.34	299.07	698.78	685.73	13.04	53.572				
2,100.00	2,098.06	1,939.89	1,894.72	6.59	8.03	161.69	-538.83	310.78	730.66	717.30	13.37	54.663				
2,200.00	2,197.96	2,034.65	1,985.77	6.83	8.11	161.84	-562.32	322.49	762.55	748.93	13.62	55.969				
2,300.00	2,297.85	2,129.41	2,076.82	7.08	8.20	161.98	-585.81	334.21	794.45	780.55	13.90	57.140				
2,400.00	2,397.74	2,224.17	2,167.87	7.33	8.32	162.11	-609.30	345.92	826.35	812.14	14.20	58.181				
2,500.00	2,497.63	2,318.93	2,258.93	7.58	8.45	162.23	-632.79	357.63	858.25	843.73	14.52	59.098				
2,600.00	2,597.53	2,413.69	2,349.98	7.84	8.60	162.34	-656.27	369.34	890.15	875.29	14.86	59.899				
2,700.00	2,697.42	2,508.45	2,441.03	8.09	8.77	162.44	-679.76	381.05	922.06	906.85	15.22	60.593				
2,800.00	2,797.31	2,603.21	2,532.08	8.35	8.95	162.54	-703.25	392.76	953.97	938.38	15.59	61.188				
2,900.00	2,897.21	2,702.03	2,623.14	8.61	9.16	162.63	-726.74	404.47	985.89	969.90	15.99	61.666				
3,000.00	2,997.10	2,807.27	2,714.19	8.87	9.40	162.71	-750.23	416.19	1,017.80	1,001.39	16.41	62.016				
3,100.00	3,096.99	2,887.49	2,805.24	9.13	9.60	162.79	-773.72	427.90	1,049.72	1,032.91	16.81	62.460				
3,200.00	3,196.89	2,982.25	2,896.30	9.39	9.84	162.87	-797.21	439.61	1,081.64	1,064.40	17.24	62.744				
3,300.00	3,296.78	3,077.01	2,987.35	9.65	10.09	162.94	-820.70	451.32	1,113.56	1,095.87	17.68	62.969				
3,400.00	3,396.67	3,171.77	3,078.40	9.92	10.36	163.00	-844.19	463.03	1,145.48	1,127.34	18.14	63.145				
3,500.00	3,496.57	3,266.53	3,169.45	10.18	10.63	163.06	-867.68	474.74	1,177.40	1,158.79	18.61	63.276				

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 32N-30C-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	142.74	-198.90	151.29	249.90							
100.00	100.00	101.00	99.00	3.28	3.28	142.74	-198.90	151.29	249.90	242.37	7.53	33.191				
200.00	200.00	199.00	199.00	3.31	3.30	142.74	-198.90	151.29	249.90	242.32	7.57	32.996	CC, ES, SF			
300.00	299.98	291.02	291.01	3.35	3.34	152.43	-200.16	152.00	253.00	245.35	7.65	33.053				
400.00	399.88	382.47	382.34	3.42	3.39	152.94	-203.95	154.16	261.68	253.90	7.77	33.668				
500.00	499.77	473.27	472.86	3.51	3.47	153.53	-210.22	157.73	273.68	265.77	7.92	34.559				
600.00	599.67	563.28	562.31	3.62	3.56	154.12	-218.89	162.67	288.83	280.74	8.10	35.665				
700.00	699.56	652.33	650.45	3.74	3.68	154.70	-229.87	168.91	307.08	298.78	8.31	36.964				
800.00	799.45	740.26	737.06	3.88	3.83	155.25	-243.04	176.41	328.39	319.84	8.54	38.439				
900.00	899.35	826.94	821.94	4.04	4.02	155.76	-258.28	185.09	352.68	343.87	8.80	40.061				
1,000.00	999.24	920.27	904.43	4.21	4.26	156.22	-275.34	194.80	379.89	370.79	9.10	41.749				
1,100.00	1,099.13	1,007.44	997.17	4.39	4.53	156.69	-295.91	206.51	408.68	399.23	9.45	43.261				
1,200.00	1,199.03	1,103.16	1,089.91	4.58	4.84	157.10	-316.49	218.22	437.49	427.65	9.84	44.474				
1,300.00	1,298.92	1,201.13	1,182.65	4.78	5.19	157.46	-337.06	229.93	466.32	456.06	10.26	45.467				
1,400.00	1,398.81	1,305.41	1,275.39	4.98	5.58	157.78	-357.63	241.64	495.16	484.45	10.71	46.221				
1,500.00	1,498.70	1,409.70	1,368.14	5.20	5.99	158.06	-378.21	253.36	524.02	512.83	11.19	46.841				
1,600.00	1,598.60	1,486.02	1,460.88	5.42	6.30	158.31	-398.78	265.07	552.89	541.29	11.60	47.654				
1,700.00	1,698.49	1,581.74	1,553.62	5.64	6.70	158.54	-419.36	276.78	581.77	569.68	12.08	48.149				
1,800.00	1,798.38	1,677.45	1,646.36	5.88	7.11	158.75	-439.93	288.49	610.65	598.08	12.57	48.563				
1,900.00	1,898.28	1,773.17	1,739.10	6.11	7.52	158.93	-460.51	300.20	639.54	626.67	12.87	49.700				
2,000.00	1,998.17	1,868.88	1,831.85	6.35	7.81	159.10	-481.08	311.91	668.44	655.33	13.11	51.004				
2,100.00	2,098.06	1,964.60	1,924.59	6.59	7.92	159.26	-501.65	323.63	697.34	683.94	13.39	52.060				
2,200.00	2,197.96	2,060.31	2,017.33	6.83	7.99	159.41	-522.23	335.34	726.24	712.59	13.66	53.175				
2,300.00	2,297.85	2,156.03	2,110.07	7.08	8.08	159.54	-542.80	347.05	755.15	741.21	13.94	54.172				
2,400.00	2,397.74	2,251.75	2,202.81	7.33	8.19	159.66	-563.38	358.76	784.07	769.82	14.24	55.055				
2,500.00	2,497.63	2,347.46	2,295.55	7.58	8.32	159.78	-583.95	370.47	812.98	798.42	14.56	55.831				
2,600.00	2,597.53	2,443.18	2,388.30	7.84	8.46	159.88	-604.52	382.18	841.90	827.00	14.90	56.505				
2,700.00	2,697.42	2,538.89	2,481.04	8.09	8.61	159.98	-625.10	393.90	870.82	855.57	15.25	57.087				
2,800.00	2,797.31	2,634.61	2,573.78	8.35	8.79	160.08	-645.67	405.61	899.75	884.12	15.63	57.583				
2,900.00	2,897.21	2,730.33	2,666.52	8.61	8.97	160.17	-666.25	417.32	928.67	912.66	16.01	58.002				
3,000.00	2,997.10	2,826.04	2,759.26	8.87	9.17	160.25	-686.82	429.03	957.60	941.19	16.41	58.350				
3,100.00	3,096.99	2,921.76	2,852.01	9.13	9.39	160.33	-707.40	440.74	986.53	969.70	16.82	58.635				
3,200.00	3,196.89	3,017.47	2,944.75	9.39	9.61	160.40	-727.97	452.45	1,015.46	998.21	17.25	58.864				
3,300.00	3,296.78	3,113.19	3,037.49	9.65	9.84	160.47	-748.54	464.17	1,044.39	1,026.70	17.69	59.044				
3,400.00	3,396.67	3,208.90	3,130.23	9.92	10.09	160.53	-769.12	475.88	1,073.33	1,055.19	18.14	59.179				
3,500.00	3,496.57	3,304.62	3,222.97	10.18	10.34	160.59	-789.69	487.59	1,102.26	1,083.67	18.60	59.276				
3,600.00	3,596.46	3,400.34	3,315.72	10.45	10.61	160.65	-810.27	499.30	1,131.20	1,112.13	19.06	59.339				
3,700.00	3,696.35	3,503.95	3,408.46	10.71	10.90	160.71	-830.84	511.01	1,160.13	1,140.58	19.56	59.316				
3,800.00	3,796.24	3,608.23	3,501.20	10.98	11.20	160.76	-851.42	522.72	1,189.07	1,169.01	20.06	59.262				

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 40N-27B-XR - 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	179.68	-199.99	1.11	200.00				
100.00	100.00	100.00	100.00	3.28	3.28	179.68	-199.99	1.11	200.00	192.47	7.53	26.564	
200.00	200.00	200.00	200.00	3.31	3.31	179.68	-199.99	1.11	200.00	192.42	7.57	26.406	CC, ES, SF
300.00	299.98	293.38	293.36	3.35	3.34	-170.86	-201.51	1.04	203.35	195.69	7.66	26.562	
400.00	399.88	386.23	386.09	3.42	3.40	-170.96	-206.04	0.81	212.59	204.82	7.78	27.343	
500.00	499.77	478.40	477.96	3.51	3.47	-171.02	-213.49	0.44	225.22	217.30	7.92	28.425	
600.00	599.67	569.73	568.70	3.62	3.56	-171.03	-223.79	-0.07	241.02	232.92	8.10	29.741	
700.00	699.56	660.04	658.07	3.74	3.69	-171.00	-236.81	-0.72	259.93	251.62	8.31	31.262	
800.00	799.45	749.19	745.83	3.88	3.84	-170.94	-252.41	-1.49	281.91	273.35	8.55	32.962	
900.00	899.35	838.73	833.46	4.04	4.03	-170.86	-270.76	-2.41	306.83	298.01	8.82	34.776	
1,000.00	999.24	935.31	927.78	4.21	4.27	-170.78	-291.51	-3.44	332.74	323.58	9.16	36.325	
1,100.00	1,099.13	1,031.89	1,022.11	4.39	4.54	-170.70	-312.26	-4.47	358.65	349.13	9.52	37.655	
1,200.00	1,199.03	1,128.48	1,116.43	4.58	4.83	-170.64	-333.00	-5.51	384.56	374.65	9.91	38.790	
1,300.00	1,298.92	1,225.06	1,210.75	4.78	5.13	-170.59	-353.75	-6.54	410.47	400.15	10.33	39.753	
1,400.00	1,398.81	1,321.65	1,305.08	4.98	5.46	-170.54	-374.50	-7.57	436.39	425.63	10.76	40.570	
1,500.00	1,498.70	1,418.23	1,399.40	5.20	5.79	-170.50	-395.25	-8.61	462.30	451.10	11.20	41.275	
1,600.00	1,598.60	1,514.81	1,493.72	5.42	6.14	-170.46	-415.99	-9.64	488.21	476.55	11.66	41.864	
1,700.00	1,698.49	1,611.40	1,588.05	5.64	6.49	-170.42	-436.74	-10.67	514.12	501.99	12.14	42.366	
1,800.00	1,798.38	1,707.98	1,682.37	5.88	6.85	-170.39	-457.49	-11.70	540.04	527.42	12.62	42.793	
1,900.00	1,898.28	1,804.57	1,776.70	6.11	7.21	-170.36	-478.23	-12.74	565.95	553.05	12.90	43.874	
2,000.00	1,998.17	1,901.15	1,871.02	6.35	7.42	-170.34	-498.98	-13.77	591.86	578.77	13.09	45.203	
2,100.00	2,098.06	1,997.73	1,965.34	6.59	7.47	-170.31	-519.73	-14.80	617.78	604.43	13.34	46.300	
2,200.00	2,197.96	2,094.32	2,059.67	6.83	7.54	-170.29	-540.48	-15.84	643.69	630.08	13.61	47.290	
2,300.00	2,297.85	2,209.10	2,153.99	7.08	7.64	-170.27	-561.22	-16.87	669.60	655.69	13.91	48.138	
2,400.00	2,397.74	2,287.48	2,248.31	7.33	7.73	-170.25	-581.97	-17.90	695.52	681.31	14.20	48.964	
2,500.00	2,497.63	2,384.07	2,342.64	7.58	7.85	-170.24	-602.72	-18.93	721.43	706.90	14.53	49.660	
2,600.00	2,597.53	2,480.65	2,436.96	7.84	7.98	-170.22	-623.47	-19.97	747.34	732.48	14.87	50.268	
2,700.00	2,697.42	2,577.24	2,531.28	8.09	8.13	-170.21	-644.21	-21.00	773.26	758.03	15.22	50.797	
2,800.00	2,797.31	2,673.82	2,625.61	8.35	8.29	-170.19	-664.96	-22.03	799.17	783.58	15.59	51.252	
2,900.00	2,897.21	2,770.40	2,719.93	8.61	8.47	-170.18	-685.71	-23.07	825.08	809.11	15.98	51.640	
3,000.00	2,997.10	2,866.99	2,814.25	8.87	8.66	-170.17	-706.45	-24.10	851.00	834.62	16.38	51.968	
3,100.00	3,096.99	2,963.57	2,908.58	9.13	8.86	-170.16	-727.20	-25.13	876.91	860.12	16.79	52.241	
3,200.00	3,196.89	3,060.16	3,002.90	9.39	9.07	-170.14	-747.95	-26.16	902.82	885.62	17.21	52.465	
3,300.00	3,296.78	3,156.74	3,097.23	9.65	9.29	-170.13	-768.70	-27.20	928.74	911.10	17.64	52.646	
3,400.00	3,396.67	3,253.32	3,191.55	9.92	9.52	-170.12	-789.44	-28.23	954.65	936.57	18.08	52.788	
3,500.00	3,496.57	3,349.91	3,285.87	10.18	9.76	-170.12	-810.19	-29.26	980.57	962.03	18.54	52.897	
3,600.00	3,596.46	3,446.49	3,380.20	10.45	10.00	-170.11	-830.94	-30.30	1,006.48	987.48	19.00	52.975	
3,700.00	3,696.35	3,543.08	3,474.52	10.71	10.26	-170.10	-851.68	-31.33	1,032.39	1,012.92	19.47	53.028	
3,800.00	3,796.24	3,639.66	3,568.84	10.98	10.52	-170.09	-872.43	-32.36	1,058.31	1,038.36	19.95	53.058	
3,900.00	3,896.14	3,736.24	3,663.17	11.25	10.79	-170.08	-893.18	-33.39	1,084.22	1,063.79	20.43	53.069	
4,000.00	3,996.03	3,832.83	3,757.49	11.52	11.06	-170.08	-913.93	-34.43	1,110.14	1,089.21	20.92	53.062	
4,100.00	4,095.92	3,929.41	3,851.81	11.79	11.34	-170.07	-934.67	-35.46	1,136.05	1,114.63	21.42	53.041	
4,200.00	4,195.82	4,025.99	3,946.14	12.06	11.62	-170.06	-955.42	-36.49	1,161.96	1,140.04	21.92	53.006	
4,300.00	4,295.71	4,122.58	4,040.46	12.33	11.91	-170.06	-976.17	-37.53	1,187.88	1,165.45	22.43	52.962	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 40N-27C-XR - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.64	-220.03	1.39	220.04				
100.00	100.00	100.00	100.00	3.28	3.28	179.64	-220.03	1.39	220.04	212.51	7.53	29.226	
200.00	200.00	200.00	200.00	3.31	3.31	179.64	-220.03	1.39	220.04	212.46	7.57	29.052	CC, ES, SF
300.00	299.98	292.77	292.76	3.35	3.34	-170.90	-221.53	1.33	223.38	215.72	7.66	29.180	
400.00	399.88	385.02	384.89	3.42	3.39	-171.00	-226.00	1.14	232.59	224.82	7.77	29.918	
500.00	499.77	476.60	476.17	3.51	3.47	-171.06	-233.36	0.82	245.18	237.25	7.92	30.948	
600.00	599.67	567.36	566.35	3.62	3.56	-171.09	-243.53	0.39	260.91	252.80	8.10	32.203	
700.00	699.56	657.11	655.18	3.74	3.68	-171.08	-256.39	-0.16	279.73	271.42	8.31	33.657	
800.00	799.45	745.72	742.43	3.88	3.84	-171.04	-271.81	-0.82	301.61	293.06	8.55	35.283	
900.00	899.35	833.03	827.89	4.04	4.02	-170.98	-289.63	-1.58	326.46	317.65	8.81	37.055	
1,000.00	999.24	918.91	911.39	4.21	4.24	-170.91	-309.68	-2.44	354.23	345.13	9.09	38.952	
1,100.00	1,099.13	1,011.39	1,000.81	4.39	4.51	-170.83	-333.27	-3.45	384.10	374.66	9.44	40.675	
1,200.00	1,199.03	1,106.79	1,093.02	4.58	4.82	-170.75	-357.70	-4.50	414.09	404.25	9.84	42.103	
1,300.00	1,298.92	1,202.19	1,185.23	4.78	5.16	-170.69	-382.13	-5.54	444.07	433.82	10.25	43.321	
1,400.00	1,398.81	1,302.41	1,277.44	4.98	5.53	-170.63	-406.55	-6.59	474.06	463.36	10.70	44.305	
1,500.00	1,498.70	1,392.98	1,369.65	5.20	5.88	-170.58	-430.98	-7.63	504.04	492.90	11.14	45.248	
1,600.00	1,598.60	1,488.38	1,461.86	5.42	6.26	-170.54	-455.41	-8.68	534.03	522.42	11.61	45.997	
1,700.00	1,698.49	1,583.78	1,554.08	5.64	6.65	-170.50	-479.83	-9.72	564.02	551.92	12.09	46.638	
1,800.00	1,798.38	1,679.18	1,646.29	5.88	7.05	-170.47	-504.26	-10.77	594.00	581.42	12.59	47.186	
1,900.00	1,898.28	1,774.57	1,738.50	6.11	7.46	-170.44	-528.69	-11.81	623.99	611.11	12.89	48.425	
2,000.00	1,998.17	1,869.97	1,830.71	6.35	7.73	-170.41	-553.11	-12.86	653.98	640.86	13.12	48.832	
2,100.00	2,098.06	1,965.37	1,922.92	6.59	7.85	-170.38	-577.54	-13.90	683.97	670.55	13.41	50.994	
2,200.00	2,197.96	2,060.77	2,015.13	6.83	7.92	-170.36	-601.97	-14.95	713.95	700.28	13.68	52.205	
2,300.00	2,297.85	2,156.16	2,107.34	7.08	8.02	-170.33	-626.40	-15.99	743.94	729.98	13.96	53.293	
2,400.00	2,397.74	2,251.56	2,199.55	7.33	8.13	-170.31	-650.82	-17.04	773.93	759.67	14.26	54.263	
2,500.00	2,497.63	2,346.96	2,291.76	7.58	8.26	-170.29	-675.25	-18.08	803.92	789.33	14.58	55.122	
2,600.00	2,597.53	2,442.36	2,383.98	7.84	8.41	-170.28	-699.68	-19.13	833.91	818.98	14.92	55.877	
2,700.00	2,697.42	2,537.75	2,476.19	8.09	8.57	-170.26	-724.10	-20.17	863.89	848.61	15.28	56.534	
2,800.00	2,797.31	2,633.15	2,568.40	8.35	8.75	-170.25	-748.53	-21.22	893.88	878.23	15.65	57.102	
2,900.00	2,897.21	2,728.55	2,660.61	8.61	8.94	-170.23	-772.96	-22.26	923.87	907.83	16.04	57.588	
3,000.00	2,997.10	2,823.95	2,752.82	8.87	9.15	-170.22	-797.38	-23.31	953.86	937.41	16.45	58.001	
3,100.00	3,096.99	2,919.34	2,845.03	9.13	9.37	-170.21	-821.81	-24.35	983.85	966.98	16.86	58.347	
3,200.00	3,196.89	3,014.74	2,937.24	9.39	9.60	-170.19	-846.24	-25.40	1,013.84	996.54	17.29	58.633	
3,300.00	3,296.78	3,110.14	3,029.45	9.65	9.84	-170.18	-870.66	-26.45	1,043.82	1,026.09	17.73	58.867	
3,400.00	3,396.67	3,205.53	3,121.66	9.92	10.09	-170.17	-895.09	-27.49	1,073.81	1,055.63	18.18	59.053	
3,500.00	3,496.57	3,300.93	3,213.88	10.18	10.35	-170.16	-919.52	-28.54	1,103.80	1,085.15	18.65	59.198	
3,600.00	3,596.46	3,403.67	3,306.09	10.45	10.64	-170.15	-943.95	-29.58	1,133.79	1,114.65	19.13	59.254	
3,700.00	3,696.35	3,491.73	3,398.30	10.71	10.89	-170.14	-968.37	-30.63	1,163.78	1,144.18	19.60	59.383	
3,800.00	3,796.24	3,587.12	3,490.51	10.98	11.18	-170.14	-992.80	-31.67	1,193.77	1,173.68	20.09	59.432	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - 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	179.68	-99.81	0.56	99.81				
100.00	100.00	100.00	100.00	3.28	3.28	179.68	-99.81	0.56	99.81	92.29	7.53	13.258	
200.00	200.00	200.00	200.00	3.31	3.31	179.68	-99.81	0.56	99.81	92.24	7.57	13.179	CC, ES
300.00	299.98	296.55	296.53	3.35	3.34	-170.84	-101.43	0.36	103.21	95.55	7.66	13.479	
400.00	399.88	392.53	392.38	3.42	3.40	-170.86	-106.23	-0.24	112.58	104.80	7.78	14.473	
500.00	499.77	508.25	491.37	3.51	3.49	-170.79	-112.96	-1.08	123.91	115.95	7.96	15.575	
600.00	599.67	608.89	590.50	3.62	3.60	-170.73	-119.70	-1.92	135.23	127.07	8.16	16.568	
700.00	699.56	709.54	689.62	3.74	3.73	-170.68	-126.44	-2.76	146.56	138.15	8.41	17.436	
800.00	799.45	789.82	788.75	3.88	3.84	-170.63	-133.18	-3.60	157.88	149.23	8.65	18.246	
900.00	899.35	889.18	887.87	4.04	4.00	-170.60	-139.92	-4.44	169.21	160.26	8.95	18.897	
1,000.00	999.24	988.53	986.99	4.21	4.18	-170.56	-146.66	-5.28	180.54	171.25	9.28	19.450	
1,100.00	1,099.13	1,087.89	1,086.12	4.39	4.36	-170.53	-153.40	-6.12	191.86	182.23	9.63	19.917	
1,200.00	1,199.03	1,187.25	1,185.24	4.58	4.56	-170.51	-160.14	-6.96	203.19	193.18	10.00	20.309	
1,300.00	1,298.92	1,286.60	1,284.37	4.78	4.77	-170.48	-166.88	-7.80	214.52	204.12	10.40	20.636	
1,400.00	1,398.81	1,385.96	1,383.49	4.98	4.99	-170.46	-173.62	-8.64	225.84	215.04	10.80	20.909	
1,500.00	1,498.70	1,485.32	1,482.61	5.20	5.22	-170.45	-180.36	-9.48	237.17	225.95	11.22	21.135	
1,600.00	1,598.60	1,584.67	1,581.74	5.42	5.45	-170.43	-187.10	-10.32	248.50	236.84	11.65	21.322	
1,700.00	1,698.49	1,684.03	1,680.86	5.64	5.69	-170.41	-193.84	-11.15	259.82	247.72	12.10	21.476	
1,800.00	1,798.38	1,783.38	1,779.99	5.88	5.93	-170.40	-200.58	-11.99	271.15	258.60	12.55	21.602	
1,900.00	1,898.28	1,882.74	1,879.11	6.11	6.08	-170.39	-207.32	-12.83	282.47	269.94	12.54	22.528	
2,000.00	1,998.17	1,982.10	1,978.23	6.35	6.12	-170.37	-214.06	-13.67	293.80	281.00	12.80	22.945	
2,100.00	2,098.06	2,081.45	2,077.36	6.59	6.15	-170.36	-220.80	-14.51	305.13	292.06	13.07	23.351	
2,200.00	2,197.96	2,180.81	2,176.48	6.83	6.19	-170.35	-227.54	-15.35	316.45	303.11	13.35	23.713	
2,300.00	2,297.85	2,280.17	2,275.61	7.08	6.25	-170.34	-234.28	-16.19	327.78	314.14	13.64	24.033	
2,400.00	2,397.74	2,379.52	2,374.73	7.33	6.32	-170.33	-241.02	-17.03	339.11	325.16	13.95	24.313	
2,500.00	2,497.63	2,478.88	2,473.85	7.58	6.40	-170.32	-247.76	-17.87	350.43	336.16	14.27	24.557	
2,600.00	2,597.53	2,578.24	2,572.98	7.84	6.49	-170.32	-254.51	-18.71	361.76	347.15	14.61	24.767	
2,700.00	2,697.42	2,677.59	2,672.10	8.09	6.60	-170.31	-261.25	-19.55	373.09	358.13	14.96	24.945	
2,800.00	2,797.31	2,776.95	2,771.23	8.35	6.71	-170.30	-267.99	-20.39	384.41	369.10	15.32	25.096	
2,900.00	2,897.21	2,876.31	2,870.35	8.61	6.84	-170.30	-274.73	-21.23	395.74	380.05	15.69	25.221	
3,000.00	2,997.10	2,975.66	2,969.47	8.87	6.98	-170.29	-281.47	-22.07	407.07	390.99	16.08	25.322	
3,100.00	3,096.99	3,075.02	3,068.60	9.13	7.12	-170.28	-288.21	-22.91	418.39	401.92	16.47	25.404	
3,200.00	3,196.89	3,174.37	3,167.72	9.39	7.27	-170.28	-294.95	-23.75	429.72	412.85	16.87	25.466	
3,300.00	3,296.78	3,273.73	3,266.85	9.65	7.44	-170.27	-301.69	-24.59	441.05	423.76	17.29	25.513	
3,400.00	3,396.67	3,373.09	3,365.97	9.92	7.61	-170.27	-308.43	-25.43	452.37	434.67	17.71	25.545	
3,500.00	3,496.57	3,472.44	3,465.09	10.18	7.78	-170.26	-315.17	-26.27	463.70	445.56	18.14	25.564	
3,600.00	3,596.46	3,571.80	3,564.22	10.45	7.96	-170.26	-321.91	-27.11	475.03	456.45	18.58	25.572	
3,700.00	3,696.35	3,671.16	3,663.34	10.71	8.15	-170.25	-328.65	-27.95	486.35	467.33	19.02	25.571	
3,800.00	3,796.24	3,770.51	3,762.47	10.98	8.35	-170.25	-335.39	-28.79	497.68	478.21	19.47	25.561	
3,900.00	3,896.14	3,869.87	3,861.59	11.25	8.55	-170.25	-342.13	-29.62	509.01	489.08	19.93	25.544	
4,000.00	3,996.03	3,969.23	3,960.71	11.52	8.76	-170.24	-348.87	-30.46	520.33	499.95	20.39	25.521	
4,100.00	4,095.92	4,068.58	4,059.84	11.79	8.97	-170.24	-355.61	-31.30	531.66	510.81	20.86	25.492	
4,200.00	4,195.82	4,167.94	4,158.96	12.06	9.18	-170.23	-362.35	-32.14	542.99	521.66	21.33	25.459	
4,300.00	4,295.71	4,267.30	4,258.09	12.33	9.40	-170.23	-369.09	-32.98	554.31	532.51	21.80	25.422	
4,400.00	4,395.60	4,366.65	4,357.21	12.60	9.62	-170.23	-375.83	-33.82	565.64	543.36	22.28	25.382	
4,500.00	4,495.50	4,466.01	4,456.33	12.87	9.85	-170.22	-382.57	-34.66	576.97	554.20	22.77	25.340	
4,600.00	4,595.39	4,565.37	4,555.46	13.14	10.08	-170.22	-389.31	-35.50	588.29	565.04	23.26	25.295	
4,700.00	4,695.28	4,664.72	4,654.58	13.41	10.31	-170.22	-396.05	-36.34	599.62	575.87	23.75	25.248	
4,800.00	4,795.18	4,764.08	4,753.71	13.68	10.54	-170.22	-402.79	-37.18	610.95	586.70	24.24	25.200	
4,900.00	4,895.07	4,863.43	4,852.83	13.95	10.78	-170.21	-409.53	-38.02	622.27	597.53	24.74	25.150	
5,000.00	4,994.96	4,962.79	4,951.95	14.23	11.02	-170.21	-416.27	-38.86	633.60	608.36	25.24	25.100	
5,100.00	5,094.85	5,062.15	5,051.08	14.50	11.26	-170.21	-423.01	-39.70	644.93	619.18	25.75	25.049	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - 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	5,194.75	5,161.50	5,150.20	14.77	11.51	-170.21	-429.75	-40.54	656.25	630.00	26.25	24.998		
5,300.00	5,294.64	5,260.86	5,249.33	15.05	11.75	-170.20	-436.49	-41.38	667.58	640.82	26.76	24.947		
5,400.00	5,394.53	5,360.22	5,348.45	15.32	12.00	-170.20	-443.23	-42.22	678.91	651.64	27.27	24.895		
5,500.00	5,494.43	5,459.57	5,447.57	15.59	12.25	-170.20	-449.97	-43.06	690.24	662.45	27.78	24.844		
5,600.00	5,594.32	5,558.93	5,546.70	15.87	12.51	-170.20	-456.71	-43.90	701.56	673.26	28.30	24.793		
5,700.00	5,694.21	5,658.29	5,645.82	16.14	12.76	-170.20	-463.45	-44.74	712.89	684.08	28.81	24.742		
5,800.00	5,794.11	5,757.64	5,744.95	16.42	13.01	-170.19	-470.19	-45.58	724.22	694.88	29.33	24.691		
5,900.00	5,894.00	5,857.00	5,844.07	16.69	13.27	-170.19	-476.93	-46.42	735.54	705.69	29.85	24.641		
6,000.00	5,993.89	5,956.36	5,943.19	16.97	13.53	-170.19	-483.67	-47.26	746.87	716.50	30.37	24.591		
6,100.00	6,093.79	6,055.71	6,042.32	17.24	13.79	-170.19	-490.41	-48.09	758.20	727.30	30.89	24.542		
6,200.00	6,193.68	6,155.07	6,141.44	17.52	14.05	-170.19	-497.15	-48.93	769.52	738.10	31.42	24.493		
6,300.00	6,293.57	6,254.43	6,240.57	17.79	14.31	-170.18	-503.90	-49.77	780.85	748.91	31.94	24.445		
6,400.00	6,393.46	6,353.78	6,339.69	18.07	14.57	-170.18	-510.64	-50.61	792.18	759.71	32.47	24.398		
6,500.00	6,493.36	6,453.14	6,438.81	18.35	14.84	-170.18	-517.38	-51.45	803.50	770.51	33.00	24.351		
6,600.00	6,593.25	6,552.62	6,538.06	18.62	15.10	-170.19	-524.12	-52.22	814.83	781.30	33.52	24.306		
6,700.00	6,692.89	6,652.98	6,637.73	18.87	15.32	107.98	-530.85	-43.62	826.06	792.08	33.98	24.308		
6,800.00	6,790.44	6,752.92	6,734.41	19.10	15.54	96.95	-537.30	-19.59	836.96	802.54	34.42	24.316		
6,900.00	6,883.50	6,852.49	6,825.84	19.32	15.76	92.80	-543.32	19.13	847.25	812.39	34.86	24.301		
7,000.00	6,969.78	6,951.73	6,909.87	19.55	15.96	90.35	-548.76	71.45	856.69	821.33	35.36	24.225		
7,100.00	7,047.15	7,050.67	6,984.57	19.97	16.16	88.63	-553.51	136.00	865.04	829.04	36.00	24.030		
7,200.00	7,113.71	7,149.36	7,048.26	20.55	16.36	87.36	-557.46	211.15	872.09	835.22	36.87	23.651		
7,300.00	7,167.82	7,247.81	7,099.51	21.38	16.59	86.41	-560.52	295.04	877.67	839.58	38.09	23.041		
7,400.00	7,208.14	7,346.03	7,137.18	22.49	16.99	85.73	-562.62	385.62	881.63	841.91	39.72	22.195		
7,500.00	7,233.69	7,444.04	7,160.48	23.90	17.59	85.31	-563.72	480.71	883.89	842.12	41.77	21.161		
7,600.00	7,243.83	7,541.84	7,168.96	25.55	18.34	85.14	-563.81	578.05	884.38	840.21	44.17	20.022		
7,700.00	7,243.86	7,641.69	7,169.03	26.79	19.22	85.14	-563.31	677.89	883.70	837.54	46.16	19.146		
7,800.00	7,243.68	7,741.68	7,169.06	26.98	20.19	85.15	-562.80	777.89	882.99	835.66	47.34	18.653		
7,900.00	7,243.51	7,841.68	7,169.09	27.27	21.26	85.16	-562.30	877.89	882.29	833.58	48.70	18.115		
8,000.00	7,243.33	7,941.68	7,169.12	27.65	22.40	85.17	-561.80	977.88	881.58	831.33	50.24	17.546		
8,100.00	7,243.16	8,041.68	7,169.15	28.12	23.60	85.18	-561.29	1,077.88	880.87	828.93	51.94	16.960		
8,200.00	7,242.98	8,141.67	7,169.18	28.68	24.85	85.19	-560.79	1,177.87	880.16	826.39	53.78	16.367		
8,300.00	7,242.81	8,241.67	7,169.22	29.33	26.16	85.20	-560.29	1,277.87	879.45	823.71	55.75	15.776		
8,400.00	7,242.63	8,341.67	7,169.25	30.06	27.50	85.21	-559.78	1,377.87	878.75	820.92	57.83	15.195		
8,500.00	7,242.46	8,441.66	7,169.28	30.86	28.88	85.22	-559.28	1,477.86	878.04	818.02	60.02	14.628		
8,600.00	7,242.29	8,541.66	7,169.31	31.73	30.28	85.23	-558.77	1,577.86	877.33	815.02	62.31	14.080		
8,700.00	7,242.11	8,641.66	7,169.34	32.66	31.72	85.24	-558.27	1,677.85	876.62	811.94	64.69	13.552		
8,800.00	7,241.94	8,741.66	7,169.37	33.66	33.17	85.25	-557.77	1,777.85	875.92	808.77	67.14	13.046		
8,900.00	7,241.76	8,841.65	7,169.41	34.70	34.64	85.26	-557.26	1,877.85	875.21	805.54	69.67	12.563		
9,000.00	7,241.59	8,941.65	7,169.44	35.80	36.13	85.27	-556.76	1,977.84	874.50	802.25	72.26	12.103		
9,100.00	7,241.41	9,041.65	7,169.47	36.93	37.64	85.28	-556.26	2,077.84	873.79	798.89	74.90	11.666		
9,200.00	7,241.24	9,141.65	7,169.50	38.11	39.16	85.29	-555.75	2,177.83	873.09	795.49	77.60	11.251		
9,300.00	7,241.07	9,241.64	7,169.53	39.33	40.69	85.30	-555.25	2,277.83	872.38	792.03	80.35	10.858		
9,400.00	7,240.89	9,341.64	7,169.56	40.57	42.23	85.31	-554.74	2,377.83	871.67	788.54	83.13	10.485		
9,500.00	7,240.72	9,441.64	7,169.60	41.85	43.78	85.32	-554.24	2,477.82	870.97	785.00	85.96	10.132		
9,600.00	7,240.54	9,541.64	7,169.63	43.15	45.34	85.33	-553.74	2,577.82	870.26	781.43	88.82	9.798		
9,700.00	7,240.37	9,641.63	7,169.66	44.48	46.91	85.34	-553.23	2,677.82	869.55	777.83	91.72	9.481		
9,800.00	7,240.19	9,741.63	7,169.69	45.83	48.49	85.35	-552.73	2,777.81	868.84	774.20	94.64	9.181		
9,900.00	7,240.02	9,841.63	7,169.72	47.21	50.07	85.36	-552.23	2,877.81	868.14	770.55	97.59	8.896		
10,000.00	7,239.84	9,941.63	7,169.76	48.60	51.65	85.37	-551.72	2,977.80	867.43	766.87	100.56	8.626		
10,100.00	7,239.67	10,041.62	7,169.79	50.00	53.24	85.38	-551.22	3,077.80	866.72	763.16	103.56	8.369		
10,200.00	7,239.50	10,141.62	7,169.82	51.43	54.84	85.39	-550.71	3,177.80	866.01	759.44	106.57	8.126		
10,300.00	7,239.32	10,241.62	7,169.85	52.87	56.44	85.40	-550.21	3,277.79	865.31	755.70	109.61	7.894		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - 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	7,239.15	10,341.62	7,169.88	54.32	58.05	85.41	-549.71	3,377.79	864.60	751.94	112.66	7.674		
10,500.00	7,238.97	10,441.61	7,169.91	55.78	59.65	85.42	-549.20	3,477.78	863.89	748.16	115.73	7.465		
10,600.00	7,238.80	10,541.61	7,169.95	57.26	61.27	85.43	-548.70	3,577.78	863.19	744.38	118.81	7.265		
10,700.00	7,238.62	10,641.61	7,169.98	58.75	62.88	85.44	-548.20	3,677.78	862.48	740.57	121.91	7.075		
10,800.00	7,238.45	10,741.60	7,170.01	60.24	64.50	85.45	-547.69	3,777.77	861.77	736.76	125.01	6.893		
10,900.00	7,238.27	10,841.60	7,170.04	61.75	66.12	85.46	-547.19	3,877.77	861.07	732.93	128.13	6.720		
11,000.00	7,238.10	10,941.60	7,170.07	63.26	67.74	85.47	-546.68	3,977.77	860.36	729.09	131.27	6.554		
11,100.00	7,237.93	11,041.60	7,170.10	64.78	69.37	85.48	-546.18	4,077.76	859.65	725.25	134.41	6.396		
11,200.00	7,237.75	11,141.59	7,170.14	66.31	70.99	85.49	-545.68	4,177.76	858.94	721.39	137.56	6.244		
11,300.00	7,237.58	11,241.59	7,170.17	67.85	72.62	85.50	-545.17	4,277.75	858.24	717.52	140.71	6.099		
11,400.00	7,237.40	11,341.59	7,170.20	69.39	74.25	85.51	-544.67	4,377.75	857.53	713.65	143.88	5.960		
11,500.00	7,237.23	11,441.59	7,170.23	70.94	75.89	85.52	-544.17	4,477.75	856.82	709.77	147.06	5.827		
11,600.00	7,237.05	11,541.58	7,170.26	72.49	77.52	85.53	-543.66	4,577.74	856.12	705.88	150.24	5.698		
11,700.00	7,236.88	11,641.58	7,170.29	74.05	79.16	85.54	-543.16	4,677.74	855.41	701.99	153.43	5.575		
11,800.00	7,236.70	11,741.58	7,170.33	75.61	80.79	85.55	-542.65	4,777.73	854.70	698.08	156.62	5.457		
11,900.00	7,236.53	11,841.58	7,170.36	77.18	82.43	85.56	-542.15	4,877.73	854.00	694.18	159.82	5.343		
12,000.00	7,236.36	11,941.57	7,170.39	78.75	84.07	85.57	-541.65	4,977.73	853.29	690.26	163.03	5.234		
12,100.00	7,236.18	12,041.57	7,170.42	80.33	85.71	85.58	-541.14	5,077.72	852.58	686.35	166.24	5.129		
12,200.00	7,236.01	12,141.57	7,170.45	81.91	87.36	85.59	-540.64	5,177.72	851.88	682.42	169.45	5.027		
12,300.00	7,235.83	12,241.57	7,170.48	83.49	89.00	85.60	-540.14	5,277.71	851.17	678.50	172.67	4.929		
12,400.00	7,235.66	12,341.56	7,170.52	85.08	90.64	85.61	-539.63	5,377.71	850.46	674.56	175.90	4.835		
12,500.00	7,235.48	12,441.56	7,170.55	86.67	92.29	85.62	-539.13	5,477.71	849.76	670.63	179.13	4.744		
12,600.00	7,235.31	12,541.56	7,170.58	88.26	93.93	85.63	-538.62	5,577.70	849.05	666.69	182.36	4.656		
12,700.00	7,235.14	12,641.56	7,170.61	89.86	95.58	85.64	-538.12	5,677.70	848.34	662.75	185.60	4.571		
12,787.41	7,234.98	12,722.97	7,170.64	91.25	96.92	85.65	-537.78	5,759.11	847.82	659.48	188.34	4.501		
12,800.00	7,234.96	12,732.69	7,170.64	91.45	97.08	85.65	-537.82	5,768.84	847.84	659.13	188.71	4.493		
12,900.00	7,234.79	12,824.05	7,170.67	93.06	98.59	85.67	-539.10	5,860.19	849.01	657.20	191.81	4.426		
13,000.00	7,234.61	12,924.04	7,170.70	94.66	100.24	85.69	-540.66	5,960.16	850.36	655.30	195.06	4.360		
13,100.00	7,234.44	13,024.03	7,170.73	96.26	101.89	85.71	-542.23	6,060.14	851.72	653.41	198.31	4.295		
13,200.00	7,234.26	13,124.02	7,170.76	97.87	103.55	85.73	-543.79	6,160.12	853.08	651.51	201.57	4.232		
13,300.00	7,234.09	13,224.01	7,170.80	99.48	105.20	85.75	-545.36	6,260.10	854.43	649.60	204.83	4.171		
13,400.00	7,233.91	13,324.00	7,170.83	101.10	106.86	85.77	-546.92	6,360.08	855.79	647.70	208.09	4.113		
13,500.00	7,233.74	13,424.00	7,170.86	102.71	108.51	85.79	-548.49	6,460.06	857.15	645.79	211.36	4.055		
13,600.00	7,233.57	13,523.99	7,170.89	104.33	110.17	85.81	-550.05	6,560.03	858.50	643.88	214.62	4.000		
13,700.00	7,233.39	13,623.98	7,170.92	105.94	111.82	85.83	-551.62	6,660.01	859.86	641.97	217.89	3.946		
13,800.00	7,233.22	13,723.97	7,170.95	107.56	113.48	85.85	-553.18	6,759.99	861.22	640.05	221.17	3.894		
13,900.00	7,233.04	13,823.96	7,170.99	109.18	115.14	85.87	-554.75	6,859.97	862.58	638.14	224.44	3.843		
14,000.00	7,232.87	13,923.95	7,171.02	110.81	116.79	85.89	-556.31	6,959.95	863.93	636.22	227.72	3.794		
14,100.00	7,232.69	14,023.94	7,171.05	112.43	118.45	85.91	-557.88	7,059.92	865.29	634.30	231.00	3.746		
14,200.00	7,232.52	14,123.93	7,171.08	114.06	120.11	85.93	-559.44	7,159.90	866.65	632.37	234.28	3.699		
14,300.00	7,232.34	14,223.92	7,171.11	115.68	121.77	85.95	-561.01	7,259.88	868.01	630.45	237.56	3.654		
14,400.00	7,232.17	14,323.91	7,171.14	117.31	123.43	85.97	-562.57	7,359.86	869.37	628.52	240.84	3.610		
14,500.00	7,232.00	14,423.90	7,171.18	118.94	125.09	85.99	-564.14	7,459.84	870.73	626.60	244.13	3.567		
14,600.00	7,231.82	14,523.89	7,171.21	120.57	126.75	86.01	-565.70	7,559.81	872.08	624.67	247.42	3.525		
14,700.00	7,231.65	14,623.88	7,171.24	122.20	128.41	86.03	-567.27	7,659.79	873.44	622.74	250.70	3.484		
14,800.00	7,231.47	14,723.87	7,171.27	123.83	130.07	86.05	-568.83	7,759.77	874.80	620.81	253.99	3.444		
14,900.00	7,231.30	14,823.86	7,171.30	125.47	131.73	86.07	-570.40	7,859.75	876.16	618.87	257.29	3.405		
15,000.00	7,231.12	14,923.85	7,171.34	127.10	133.39	86.09	-571.96	7,959.73	877.52	616.94	260.58	3.368		
15,100.00	7,230.95	15,023.84	7,171.37	128.74	135.05	86.11	-573.53	8,059.70	878.88	615.00	263.87	3.331		
15,200.00	7,230.77	15,123.83	7,171.40	130.38	136.72	86.13	-575.09	8,159.68	880.24	613.07	267.17	3.295		
15,300.00	7,230.60	15,223.82	7,171.43	132.01	138.38	86.15	-576.66	8,259.66	881.60	611.13	270.47	3.260		
15,400.00	7,230.43	15,323.81	7,171.46	133.65	140.04	86.17	-578.22	8,359.64	882.95	609.19	273.76	3.225		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,500.00	7,230.25	15,423.80	7,171.49	135.29	141.70	86.19	-579.79	8,459.62	884.31	607.25	277.06	3.192		
15,600.00	7,230.08	15,523.79	7,171.53	136.93	143.37	86.21	-581.35	8,559.59	885.67	605.31	280.36	3.159		
15,700.00	7,229.90	15,623.78	7,171.56	138.57	145.03	86.23	-582.92	8,659.57	887.03	603.37	283.67	3.127		
15,800.00	7,229.73	15,723.77	7,171.59	140.21	146.69	86.25	-584.48	8,759.55	888.39	601.42	286.97	3.096		
15,900.00	7,229.55	15,823.76	7,171.62	141.85	148.36	86.27	-586.05	8,859.53	889.75	599.48	290.27	3.065		
16,000.00	7,229.38	15,923.75	7,171.65	143.50	150.02	86.28	-587.61	8,959.51	891.11	597.54	293.58	3.035		
16,100.00	7,229.21	16,023.74	7,171.68	145.14	151.68	86.30	-589.18	9,059.49	892.47	595.59	296.88	3.006		
16,200.00	7,229.03	16,123.73	7,171.72	146.78	153.35	86.32	-590.74	9,159.46	893.83	593.64	300.19	2.978		
16,300.00	7,228.86	16,223.72	7,171.75	148.43	155.01	86.34	-592.31	9,259.44	895.19	591.70	303.50	2.950		
16,400.00	7,228.68	16,323.71	7,171.78	150.07	156.68	86.36	-593.87	9,359.42	896.55	589.75	306.80	2.922		
16,500.00	7,228.51	16,423.70	7,171.81	151.72	158.34	86.38	-595.44	9,459.40	897.91	587.80	310.11	2.895		
16,600.00	7,228.33	16,523.70	7,171.84	153.37	160.01	86.40	-597.00	9,559.38	899.27	585.85	313.42	2.869		
16,700.00	7,228.16	16,623.69	7,171.87	155.01	161.67	86.42	-598.57	9,659.35	900.63	583.90	316.73	2.844		
16,800.00	7,227.98	16,733.68	7,171.91	156.66	163.49	86.44	-600.12	9,768.74	901.89	581.68	320.21	2.817		
16,900.00	7,227.81	16,840.28	7,171.94	158.31	165.27	86.45	-599.92	9,875.93	901.47	577.86	323.61	2.786		
17,000.00	7,227.64	16,940.27	7,171.98	159.96	166.94	86.46	-599.64	9,975.93	900.99	574.07	326.92	2.756		
17,100.00	7,227.46	17,040.27	7,172.01	161.61	168.60	86.47	-599.36	10,075.93	900.51	570.28	330.23	2.727		
17,200.00	7,227.29	17,140.27	7,172.04	163.26	170.26	86.48	-599.08	10,175.93	900.03	566.49	333.54	2.698		
17,300.00	7,227.11	17,240.27	7,172.07	164.91	171.93	86.49	-598.80	10,275.92	899.55	562.70	336.85	2.670		
17,400.00	7,226.94	17,340.27	7,172.10	166.56	173.59	86.50	-598.52	10,375.92	899.07	558.90	340.17	2.643		
17,500.00	7,226.76	17,440.27	7,172.13	168.21	175.26	86.52	-598.24	10,475.92	898.59	555.11	343.48	2.616		
17,600.00	7,226.59	17,540.27	7,172.17	169.86	176.92	86.53	-597.96	10,575.92	898.11	551.32	346.79	2.590		
17,700.00	7,226.41	17,640.26	7,172.20	171.51	178.58	86.54	-597.69	10,675.92	897.63	547.53	350.11	2.564		
17,800.00	7,226.24	17,740.26	7,172.23	173.16	180.25	86.55	-597.41	10,775.92	897.15	543.73	353.42	2.538		
17,900.00	7,226.07	17,840.26	7,172.26	174.81	181.91	86.56	-597.13	10,875.91	896.67	539.94	356.73	2.514		
18,000.00	7,225.89	17,940.26	7,172.29	176.47	183.58	86.57	-596.85	10,975.91	896.19	536.14	360.05	2.489		
18,100.00	7,225.72	18,040.26	7,172.32	178.12	185.24	86.58	-596.57	11,075.91	895.71	532.35	363.37	2.465		
18,200.00	7,225.54	18,140.26	7,172.36	179.77	186.91	86.59	-596.29	11,175.91	895.24	528.55	366.68	2.441		
18,300.00	7,225.37	18,240.26	7,172.39	181.43	188.57	86.61	-596.01	11,275.91	894.76	524.76	370.00	2.418		
18,400.00	7,225.19	18,340.26	7,172.42	183.08	190.24	86.62	-595.73	11,375.91	894.28	520.96	373.32	2.395		
18,500.00	7,225.02	18,440.25	7,172.45	184.74	191.90	86.63	-595.45	11,475.90	893.80	517.16	376.63	2.373		
18,600.00	7,224.85	18,540.25	7,172.48	186.39	193.57	86.64	-595.18	11,575.90	893.32	513.36	379.95	2.351		
18,700.00	7,224.67	18,640.25	7,172.51	188.05	195.24	86.65	-594.90	11,675.90	892.84	509.57	383.27	2.330		
18,800.00	7,224.50	18,740.25	7,172.55	189.70	196.90	86.66	-594.62	11,775.90	892.36	505.77	386.59	2.308		
18,900.00	7,224.32	18,840.25	7,172.58	191.36	198.57	86.67	-594.34	11,875.90	891.88	501.97	389.91	2.287		
19,000.00	7,224.15	18,940.25	7,172.61	193.01	200.23	86.69	-594.06	11,975.90	891.40	498.17	393.23	2.267		
19,100.00	7,223.97	19,040.25	7,172.64	194.67	201.90	86.70	-593.78	12,075.89	890.92	494.37	396.55	2.247		
19,200.00	7,223.80	19,140.24	7,172.67	196.32	203.56	86.71	-593.50	12,175.89	890.44	490.57	399.87	2.227		
19,300.00	7,223.62	19,240.24	7,172.70	197.98	205.23	86.72	-593.22	12,275.89	889.96	486.77	403.19	2.207		
19,400.00	7,223.45	19,340.24	7,172.74	199.64	206.90	86.73	-592.94	12,375.89	889.48	482.97	406.51	2.188		
19,500.00	7,223.28	19,440.24	7,172.77	201.30	208.56	86.74	-592.66	12,475.89	889.01	479.17	409.84	2.169		
19,600.00	7,223.10	19,540.24	7,172.80	202.95	210.23	86.76	-592.39	12,575.89	888.53	475.37	413.16	2.151		
19,700.00	7,222.93	19,640.24	7,172.83	204.61	211.90	86.77	-592.11	12,675.88	888.05	471.57	416.48	2.132		
19,800.00	7,222.75	19,740.24	7,172.86	206.27	213.56	86.78	-591.83	12,775.88	887.57	467.76	419.81	2.114		
19,900.00	7,222.58	19,840.24	7,172.89	207.93	215.23	86.79	-591.55	12,875.88	887.09	463.96	423.13	2.097		
20,000.00	7,222.40	19,940.23	7,172.93	209.59	216.90	86.80	-591.27	12,975.88	886.61	460.16	426.45	2.079		
20,100.00	7,222.23	20,040.23	7,172.96	211.24	218.56	86.81	-590.99	13,075.88	886.13	456.36	429.78	2.062		
20,200.00	7,222.05	20,140.23	7,172.99	212.90	220.23	86.82	-590.71	13,175.88	885.65	452.55	433.10	2.045		
20,231.13	7,222.00	20,171.36	7,173.00	213.42	220.75	86.83	-590.63	13,207.00	885.51	451.37	434.14	2.040 SF		



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - 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	179.60	-119.85	0.84	119.86					
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-119.85	0.84	119.86	112.33	7.53	15.920		
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-119.85	0.84	119.86	112.28	7.57	15.825 CC, ES		
300.00	299.98	295.90	295.88	3.35	3.34	-170.93	-121.45	0.68	123.24	115.59	7.66	16.096		
400.00	399.88	391.23	391.09	3.42	3.40	-170.99	-126.20	0.20	132.60	124.82	7.78	17.048		
500.00	499.77	487.53	487.07	3.51	3.48	-170.93	-133.99	-0.59	145.21	137.27	7.93	18.304		
600.00	599.67	586.64	585.79	3.62	3.58	-170.85	-142.67	-1.46	158.50	150.36	8.14	19.483		
700.00	699.56	685.75	684.52	3.74	3.70	-170.78	-151.35	-2.34	171.79	163.41	8.37	20.515		
800.00	799.45	784.87	783.25	3.88	3.85	-170.72	-160.03	-3.21	185.08	176.43	8.65	21.407		
900.00	899.35	883.98	881.98	4.04	4.02	-170.67	-168.71	-4.08	198.37	189.42	8.95	22.169		
1,000.00	999.24	983.09	980.71	4.21	4.20	-170.63	-177.39	-4.96	211.66	202.38	9.28	22.815		
1,100.00	1,099.13	1,082.21	1,079.43	4.39	4.40	-170.59	-186.07	-5.83	224.95	215.32	9.63	23.360		
1,200.00	1,199.03	1,181.32	1,178.16	4.58	4.61	-170.55	-194.75	-6.71	238.24	228.24	10.00	23.816		
1,300.00	1,298.92	1,280.43	1,276.89	4.78	4.83	-170.52	-203.43	-7.58	251.54	241.14	10.40	24.196		
1,400.00	1,398.81	1,379.54	1,375.62	4.98	5.06	-170.49	-212.11	-8.45	264.83	254.02	10.80	24.512		
1,500.00	1,498.70	1,478.66	1,474.35	5.20	5.29	-170.47	-220.79	-9.33	278.12	266.89	11.23	24.773		
1,600.00	1,598.60	1,577.77	1,573.07	5.42	5.54	-170.45	-229.47	-10.20	291.41	279.75	11.66	24.988		
1,700.00	1,698.49	1,676.88	1,671.80	5.64	5.79	-170.43	-238.15	-11.08	304.70	292.59	12.11	25.164		
1,800.00	1,798.38	1,775.99	1,770.53	5.88	6.05	-170.41	-246.83	-11.95	317.99	305.43	12.56	25.308		
1,900.00	1,898.28	1,875.11	1,869.26	6.11	6.21	-170.39	-255.51	-12.82	331.29	318.72	12.56	26.373		
2,000.00	1,998.17	1,974.22	1,967.99	6.35	6.26	-170.37	-264.19	-13.70	344.58	331.74	12.84	26.845		
2,100.00	2,098.06	2,073.33	2,066.71	6.59	6.29	-170.36	-272.87	-14.57	357.87	344.77	13.10	27.324		
2,200.00	2,197.96	2,172.44	2,165.44	6.83	6.34	-170.34	-281.55	-15.45	371.16	357.79	13.37	27.751		
2,300.00	2,297.85	2,271.56	2,264.17	7.08	6.40	-170.33	-290.23	-16.32	384.45	370.79	13.67	28.129		
2,400.00	2,397.74	2,370.67	2,362.90	7.33	6.47	-170.32	-298.91	-17.19	397.75	383.77	13.98	28.460		
2,500.00	2,497.63	2,469.78	2,461.63	7.58	6.56	-170.31	-307.60	-18.07	411.04	396.74	14.30	28.747		
2,600.00	2,597.53	2,568.90	2,560.35	7.84	6.65	-170.30	-316.28	-18.94	424.33	409.70	14.63	28.994		
2,700.00	2,697.42	2,668.01	2,659.08	8.09	6.76	-170.29	-324.96	-19.82	437.62	422.64	14.98	29.205		
2,800.00	2,797.31	2,767.12	2,757.81	8.35	6.88	-170.28	-333.64	-20.69	450.91	435.57	15.35	29.382		
2,900.00	2,897.21	2,866.23	2,856.54	8.61	7.01	-170.27	-342.32	-21.57	464.21	448.49	15.72	29.528		
3,000.00	2,997.10	2,965.35	2,955.26	8.87	7.15	-170.26	-351.00	-22.44	477.50	461.39	16.11	29.647		
3,100.00	3,096.99	3,064.46	3,053.99	9.13	7.31	-170.25	-359.68	-23.31	490.79	474.29	16.50	29.742		
3,200.00	3,196.89	3,163.57	3,152.72	9.39	7.46	-170.24	-368.36	-24.19	504.08	487.18	16.91	29.815		
3,300.00	3,296.78	3,262.68	3,251.45	9.65	7.63	-170.24	-377.04	-25.06	517.37	500.05	17.32	29.869		
3,400.00	3,396.67	3,361.80	3,350.18	9.92	7.81	-170.23	-385.72	-25.94	530.67	512.92	17.75	29.905		
3,500.00	3,496.57	3,460.91	3,448.90	10.18	7.99	-170.22	-394.40	-26.81	543.96	525.78	18.18	29.927		
3,600.00	3,596.46	3,560.02	3,547.63	10.45	8.18	-170.22	-403.08	-27.68	557.25	538.64	18.62	29.935		
3,700.00	3,696.35	3,659.13	3,646.36	10.71	8.37	-170.21	-411.76	-28.56	570.54	551.48	19.06	29.932		
3,800.00	3,796.24	3,758.25	3,745.09	10.98	8.57	-170.21	-420.44	-29.43	583.83	564.32	19.51	29.920		
3,900.00	3,896.14	3,857.36	3,843.82	11.25	8.78	-170.20	-429.12	-30.31	597.13	577.15	19.97	29.898		
4,000.00	3,996.03	3,956.47	3,942.54	11.52	8.99	-170.20	-437.80	-31.18	610.42	589.98	20.44	29.870		
4,100.00	4,095.92	4,055.58	4,041.27	11.79	9.21	-170.19	-446.48	-32.05	623.71	602.81	20.91	29.835		
4,200.00	4,195.82	4,154.70	4,140.00	12.06	9.43	-170.19	-455.16	-32.93	637.00	615.62	21.38	29.795		
4,300.00	4,295.71	4,253.81	4,238.73	12.33	9.66	-170.18	-463.84	-33.80	650.30	628.44	21.86	29.750		
4,400.00	4,395.60	4,352.92	4,337.46	12.60	9.88	-170.18	-472.52	-34.68	663.59	641.25	22.34	29.702		
4,500.00	4,495.50	4,452.04	4,436.18	12.87	10.12	-170.17	-481.21	-35.55	676.88	654.05	22.83	29.650		
4,600.00	4,595.39	4,551.15	4,534.91	13.14	10.35	-170.17	-489.89	-36.42	690.17	666.85	23.32	29.596		
4,700.00	4,695.28	4,650.26	4,633.64	13.41	10.59	-170.17	-498.57	-37.30	703.46	679.65	23.81	29.540		
4,800.00	4,795.18	4,749.37	4,732.37	13.68	10.83	-170.16	-507.25	-38.17	716.76	692.44	24.31	29.482		
4,900.00	4,895.07	4,848.49	4,831.10	13.95	11.08	-170.16	-515.93	-39.05	730.05	705.24	24.81	29.423		
5,000.00	4,994.96	4,947.60	4,929.82	14.23	11.32	-170.16	-524.61	-39.92	743.34	718.02	25.32	29.363		
5,100.00	5,094.85	5,046.71	5,028.55	14.50	11.57	-170.15	-533.29	-40.79	756.63	730.81	25.82	29.303		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - 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	5,194.75	5,145.82	5,127.28	14.77	11.83	-170.15	-541.97	-41.67	769.92	743.59	26.33	29.241		
5,300.00	5,294.64	5,244.94	5,226.01	15.05	12.08	-170.15	-550.65	-42.54	783.22	756.38	26.84	29.180		
5,400.00	5,394.53	5,344.05	5,324.73	15.32	12.34	-170.14	-559.33	-43.42	796.51	769.15	27.35	29.118		
5,500.00	5,494.43	5,443.16	5,423.46	15.59	12.59	-170.14	-568.01	-44.29	809.80	781.93	27.87	29.057		
5,600.00	5,594.32	5,542.27	5,522.19	15.87	12.85	-170.14	-576.69	-45.17	823.09	794.71	28.39	28.996		
5,700.00	5,694.21	5,641.39	5,620.92	16.14	13.11	-170.14	-585.37	-46.04	836.38	807.48	28.91	28.935		
5,800.00	5,794.11	5,740.50	5,719.65	16.42	13.38	-170.13	-594.05	-46.91	849.68	820.25	29.43	28.875		
5,900.00	5,894.00	5,839.61	5,818.37	16.69	13.64	-170.13	-602.73	-47.79	862.97	833.02	29.95	28.815		
6,000.00	5,993.89	5,938.73	5,917.10	16.97	13.90	-170.13	-611.41	-48.66	876.26	845.79	30.47	28.755		
6,100.00	6,093.79	6,037.84	6,015.83	17.24	14.17	-170.13	-620.09	-49.54	889.55	858.55	31.00	28.697		
6,200.00	6,193.68	6,136.95	6,114.56	17.52	14.44	-170.12	-628.77	-50.41	902.85	871.32	31.53	28.639		
6,300.00	6,293.57	6,236.06	6,213.29	17.79	14.71	-170.12	-637.45	-51.28	916.14	884.08	32.05	28.582		
6,400.00	6,393.46	6,335.18	6,312.01	18.07	14.98	-170.12	-646.13	-52.16	929.43	896.85	32.58	28.525		
6,500.00	6,493.36	6,434.29	6,410.74	18.35	15.25	-170.12	-654.82	-53.03	942.72	909.61	33.11	28.469		
6,600.00	6,593.25	6,533.40	6,509.47	18.62	15.52	-170.11	-663.50	-53.91	956.01	922.37	33.65	28.415		
6,700.00	6,692.89	6,632.16	6,607.84	18.87	15.79	108.46	-672.15	-54.65	969.32	935.17	34.15	28.386		
6,800.00	6,790.44	6,731.05	6,705.85	19.10	16.02	98.13	-680.91	-45.87	982.63	948.02	34.61	28.394		
6,900.00	6,883.50	6,831.93	6,803.19	19.32	16.25	94.64	-689.85	-21.34	995.70	960.62	35.07	28.388		
7,000.00	6,969.78	6,934.98	6,897.34	19.55	16.48	92.79	-698.76	19.31	1,008.19	972.60	35.59	28.330		
7,100.00	7,047.15	7,040.29	6,985.50	19.97	16.70	91.61	-707.38	76.04	1,019.78	983.56	36.22	28.158		
7,200.00	7,113.71	7,147.88	7,064.68	20.55	16.93	90.79	-715.44	148.24	1,030.15	993.08	37.06	27.793		
7,300.00	7,167.82	7,257.65	7,131.80	21.38	17.16	90.21	-722.66	234.63	1,039.00	1,000.75	38.25	27.160		
7,400.00	7,208.14	7,369.37	7,183.90	22.49	17.45	89.82	-728.74	333.11	1,046.08	1,006.20	39.88	26.233		
7,500.00	7,233.69	7,482.69	7,218.42	23.90	17.96	89.57	-733.41	440.78	1,051.15	1,009.19	41.96	25.052		
7,600.00	7,243.83	7,597.10	7,233.43	25.55	18.72	89.46	-736.44	554.01	1,054.06	1,009.62	44.44	23.717		
7,700.00	7,243.86	7,700.44	7,234.14	26.79	19.56	89.47	-738.07	657.33	1,055.44	1,009.03	46.41	22.742		
7,800.00	7,243.68	7,800.43	7,234.31	26.98	20.50	89.49	-739.59	757.30	1,056.78	1,009.22	47.56	22.220		
7,900.00	7,243.51	7,900.42	7,234.49	27.27	21.52	89.51	-741.12	857.28	1,058.11	1,009.21	48.90	21.638		
8,000.00	7,243.33	8,000.41	7,234.66	27.65	22.63	89.53	-742.65	957.26	1,059.45	1,009.03	50.42	21.014		
8,100.00	7,243.16	8,100.40	7,234.83	28.12	23.81	89.55	-744.18	1,057.24	1,060.79	1,008.69	52.09	20.363		
8,200.00	7,242.98	8,200.39	7,235.01	28.68	25.04	89.57	-745.71	1,157.22	1,062.12	1,008.21	53.91	19.700		
8,300.00	7,242.81	8,300.38	7,235.18	29.33	26.32	89.59	-747.23	1,257.20	1,063.46	1,007.59	55.87	19.035		
8,400.00	7,242.63	8,400.37	7,235.36	30.06	27.64	89.61	-748.76	1,357.18	1,064.79	1,006.85	57.94	18.377		
8,500.00	7,242.46	8,500.36	7,235.53	30.86	29.00	89.63	-750.29	1,457.15	1,066.13	1,006.01	60.13	17.732		
8,600.00	7,242.29	8,600.35	7,235.70	31.73	30.39	89.65	-751.82	1,557.13	1,067.47	1,005.06	62.41	17.105		
8,700.00	7,242.11	8,700.35	7,235.88	32.66	31.81	89.66	-753.34	1,657.11	1,068.80	1,004.03	64.78	16.500		
8,800.00	7,241.94	8,800.34	7,236.05	33.66	33.25	89.68	-754.87	1,757.09	1,070.14	1,002.92	67.23	15.919		
8,900.00	7,241.76	8,884.92	7,236.20	34.70	34.49	89.70	-757.10	1,841.65	1,072.53	1,002.99	69.53	15.424		
9,000.00	7,241.59	8,984.89	7,236.37	35.80	35.97	89.72	-760.06	1,941.57	1,075.30	1,003.18	72.12	14.910		
9,100.00	7,241.41	9,084.85	7,236.55	36.93	37.46	89.74	-763.03	2,041.48	1,078.07	1,003.31	74.76	14.420		
9,200.00	7,241.24	9,184.81	7,236.72	38.11	38.97	89.76	-765.99	2,141.40	1,080.85	1,003.39	77.46	13.954		
9,300.00	7,241.07	9,284.77	7,236.89	39.33	40.50	89.78	-768.95	2,241.32	1,083.62	1,003.42	80.21	13.511		
9,400.00	7,240.89	9,384.73	7,237.07	40.57	42.03	89.80	-771.92	2,341.23	1,086.39	1,003.40	82.99	13.090		
9,500.00	7,240.72	9,484.69	7,237.24	41.85	43.58	89.81	-774.88	2,441.15	1,089.17	1,003.35	85.82	12.691		
9,600.00	7,240.54	9,584.65	7,237.42	43.15	45.13	89.83	-777.84	2,541.07	1,091.94	1,003.26	88.69	12.312		
9,700.00	7,240.37	9,684.61	7,237.59	44.48	46.70	89.85	-780.81	2,640.98	1,094.72	1,003.13	91.58	11.953		
9,800.00	7,240.19	9,784.57	7,237.76	45.83	48.27	89.87	-783.77	2,740.90	1,097.49	1,002.98	94.51	11.612		
9,900.00	7,240.02	9,884.53	7,237.94	47.21	49.84	89.89	-786.73	2,840.82	1,100.27	1,002.80	97.46	11.289		
10,000.00	7,239.84	9,984.49	7,238.11	48.60	51.43	89.91	-789.69	2,940.73	1,103.04	1,002.60	100.44	10.982		
10,100.00	7,239.67	10,084.46	7,238.29	50.00	53.01	89.93	-792.66	3,040.65	1,105.82	1,002.37	103.44	10.690		
10,200.00	7,239.50	10,184.42	7,238.46	51.43	54.61	89.94	-795.62	3,140.57	1,108.59	1,002.13	106.46	10.413		
10,300.00	7,239.32	10,284.38	7,238.63	52.87	56.21	89.96	-798.58	3,240.48	1,111.37	1,001.86	109.50	10.149		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - 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	7,239.15	10,384.34	7,238.81	54.32	57.81	89.98	-801.55	3,340.40	1,114.14	1,001.58	112.56	9.898	
10,500.00	7,238.97	10,484.30	7,238.98	55.78	59.42	90.00	-804.51	3,440.32	1,116.92	1,001.28	115.63	9.659	
10,600.00	7,238.80	10,584.26	7,239.15	57.26	61.03	90.02	-807.47	3,540.23	1,119.69	1,000.97	118.72	9.431	
10,700.00	7,238.62	10,684.22	7,239.33	58.75	62.64	90.03	-810.44	3,640.15	1,122.47	1,000.64	121.82	9.214	
10,800.00	7,238.45	10,784.18	7,239.50	60.24	64.26	90.05	-813.40	3,740.07	1,125.24	1,000.30	124.94	9.006	
10,900.00	7,238.27	10,884.14	7,239.68	61.75	65.88	90.07	-816.36	3,839.98	1,128.02	999.95	128.06	8.808	
11,000.00	7,238.10	10,984.10	7,239.85	63.26	67.50	90.09	-819.32	3,939.90	1,130.79	999.59	131.20	8.619	
11,100.00	7,237.93	11,116.33	7,240.08	64.78	69.64	90.11	-821.15	4,072.11	1,131.93	997.12	134.81	8.396	
11,200.00	7,237.75	11,216.33	7,240.25	66.31	71.27	90.13	-821.26	4,172.10	1,131.86	993.89	137.97	8.204	
11,300.00	7,237.58	11,316.33	7,240.43	67.85	72.89	90.14	-821.38	4,272.10	1,131.79	990.66	141.13	8.019	
11,400.00	7,237.40	11,416.33	7,240.60	69.39	74.52	90.16	-821.50	4,372.10	1,131.71	987.41	144.30	7.843	
11,500.00	7,237.23	11,516.32	7,240.78	70.94	76.15	90.18	-821.61	4,472.10	1,131.64	984.16	147.48	7.673	
11,600.00	7,237.05	11,616.32	7,240.95	72.49	77.78	90.20	-821.73	4,572.10	1,131.57	980.90	150.67	7.510	
11,700.00	7,236.88	11,716.32	7,241.12	74.05	79.41	90.22	-821.84	4,672.10	1,131.50	977.63	153.87	7.354	
11,800.00	7,236.70	11,816.32	7,241.30	75.61	81.04	90.23	-821.96	4,772.10	1,131.43	974.36	157.07	7.204	
11,900.00	7,236.53	11,916.32	7,241.47	77.18	82.68	90.25	-822.08	4,872.10	1,131.36	971.08	160.27	7.059	
12,000.00	7,236.36	12,016.32	7,241.65	78.75	84.32	90.27	-822.19	4,972.10	1,131.28	967.80	163.48	6.920	
12,100.00	7,236.18	12,116.32	7,241.82	80.33	85.96	90.29	-822.31	5,072.10	1,131.21	964.51	166.70	6.786	
12,200.00	7,236.01	12,216.32	7,242.00	81.91	87.59	90.30	-822.42	5,172.10	1,131.14	961.22	169.92	6.657	
12,300.00	7,235.83	12,316.32	7,242.17	83.49	89.24	90.32	-822.54	5,272.09	1,131.07	957.92	173.15	6.532	
12,400.00	7,235.66	12,416.32	7,242.34	85.08	90.88	90.34	-822.66	5,372.09	1,131.00	954.62	176.38	6.412	
12,500.00	7,235.48	12,516.32	7,242.52	86.67	92.52	90.36	-822.77	5,472.09	1,130.93	951.31	179.62	6.296	
12,600.00	7,235.31	12,616.32	7,242.69	88.26	94.16	90.37	-822.89	5,572.09	1,130.86	948.00	182.86	6.184	
12,700.00	7,235.14	12,716.32	7,242.87	89.86	95.81	90.39	-823.00	5,672.09	1,130.79	944.69	186.10	6.076	
12,800.00	7,234.96	12,816.32	7,243.04	91.45	97.46	90.41	-823.12	5,772.09	1,130.72	941.37	189.35	5.972	
12,900.00	7,234.79	12,916.32	7,243.22	93.06	99.10	90.43	-823.24	5,872.09	1,130.65	938.05	192.60	5.871	
13,000.00	7,234.61	13,016.32	7,243.39	94.66	100.75	90.44	-823.35	5,972.09	1,130.58	934.73	195.85	5.773	
13,100.00	7,234.44	13,116.31	7,243.56	96.26	102.40	90.46	-823.47	6,072.09	1,130.51	931.40	199.11	5.678	
13,200.00	7,234.26	13,216.31	7,243.74	97.87	104.05	90.48	-823.59	6,172.09	1,130.44	928.07	202.37	5.586	
13,300.00	7,234.09	13,316.31	7,243.91	99.48	105.70	90.50	-823.70	6,272.09	1,130.37	924.74	205.63	5.497	
13,400.00	7,233.91	13,416.31	7,244.09	101.10	107.35	90.52	-823.82	6,372.09	1,130.30	921.40	208.89	5.411	
13,500.00	7,233.74	13,516.31	7,244.26	102.71	109.00	90.53	-823.93	6,472.08	1,130.23	918.07	212.16	5.327	
13,600.00	7,233.57	13,616.31	7,244.44	104.33	110.65	90.55	-824.05	6,572.08	1,130.16	914.73	215.43	5.246	
13,700.00	7,233.39	13,716.31	7,244.61	105.94	112.30	90.57	-824.17	6,672.08	1,130.09	911.39	218.70	5.167	
13,800.00	7,233.22	13,816.31	7,244.78	107.56	113.96	90.59	-824.28	6,772.08	1,130.02	908.04	221.97	5.091	
13,900.00	7,233.04	13,916.31	7,244.96	109.18	115.61	90.60	-824.40	6,872.08	1,129.95	904.70	225.25	5.016	
14,000.00	7,232.87	14,016.31	7,245.13	110.81	117.26	90.62	-824.51	6,972.08	1,129.88	901.35	228.53	4.944	
14,100.00	7,232.69	14,116.31	7,245.31	112.43	118.92	90.64	-824.63	7,072.08	1,129.81	898.00	231.81	4.874	
14,200.00	7,232.52	14,216.31	7,245.48	114.06	120.57	90.66	-824.75	7,172.08	1,129.74	894.65	235.09	4.806	
14,300.00	7,232.34	14,316.31	7,245.66	115.68	122.23	90.68	-824.86	7,272.08	1,129.67	891.30	238.37	4.739	
14,400.00	7,232.17	14,416.31	7,245.83	117.31	123.88	90.69	-824.98	7,372.08	1,129.60	887.95	241.66	4.674	
14,500.00	7,232.00	14,516.31	7,246.00	118.94	125.54	90.71	-825.09	7,472.08	1,129.54	884.59	244.94	4.611	
14,600.00	7,231.82	14,616.30	7,246.18	120.57	127.20	90.73	-825.21	7,572.08	1,129.47	881.24	248.23	4.550	
14,700.00	7,231.65	14,716.30	7,246.35	122.20	128.85	90.75	-825.33	7,672.07	1,129.40	877.88	251.52	4.490	
14,800.00	7,231.47	14,816.30	7,246.53	123.83	130.51	90.76	-825.44	7,772.07	1,129.33	874.52	254.81	4.432	
14,900.00	7,231.30	14,916.30	7,246.70	125.47	132.17	90.78	-825.56	7,872.07	1,129.26	871.16	258.10	4.375	
15,000.00	7,231.12	15,016.30	7,246.87	127.10	133.83	90.80	-825.67	7,972.07	1,129.19	867.80	261.40	4.320	
15,100.00	7,230.95	15,116.30	7,247.05	128.74	135.49	90.82	-825.79	8,072.07	1,129.13	864.43	264.69	4.266	
15,200.00	7,230.77	15,216.30	7,247.22	130.38	137.15	90.83	-825.91	8,172.07	1,129.06	861.07	267.99	4.213	
15,300.00	7,230.60	15,316.30	7,247.40	132.01	138.80	90.85	-826.02	8,272.07	1,128.99	857.71	271.28	4.162	
15,400.00	7,230.43	15,416.30	7,247.57	133.65	140.46	90.87	-826.14	8,372.07	1,128.92	854.34	274.58	4.111	
15,500.00	7,230.25	15,516.30	7,247.75	135.29	142.12	90.89	-826.25	8,472.07	1,128.85	850.97	277.88	4.062	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - 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		
15,600.00	7,230.08	15,616.30	7,247.92	136.93	143.78	90.91	-826.37	8,572.07	1,128.79	847.61	281.18	4.014		
15,700.00	7,229.90	15,716.30	7,248.09	138.57	145.44	90.92	-826.49	8,672.07	1,128.72	844.24	284.48	3.968		
15,800.00	7,229.73	15,816.30	7,248.27	140.21	147.10	90.94	-826.60	8,772.07	1,128.65	840.87	287.78	3.922		
15,900.00	7,229.55	15,916.30	7,248.44	141.85	148.77	90.96	-826.72	8,872.06	1,128.58	837.50	291.09	3.877		
16,000.00	7,229.38	16,016.30	7,248.62	143.50	150.43	90.98	-826.84	8,972.06	1,128.52	834.13	294.39	3.833		
16,100.00	7,229.21	16,116.30	7,248.79	145.14	152.09	90.99	-826.95	9,072.06	1,128.45	830.75	297.70	3.791		
16,200.00	7,229.03	16,216.29	7,248.97	146.78	153.75	91.01	-827.07	9,172.06	1,128.38	827.38	301.00	3.749		
16,300.00	7,228.86	16,316.29	7,249.14	148.43	155.41	91.03	-827.18	9,272.06	1,128.32	824.01	304.31	3.708		
16,400.00	7,228.68	16,416.29	7,249.31	150.07	157.07	91.05	-827.30	9,372.06	1,128.25	820.64	307.61	3.668		
16,500.00	7,228.51	16,516.29	7,249.49	151.72	158.73	91.07	-827.42	9,472.06	1,128.18	817.26	310.92	3.629		
16,600.00	7,228.33	16,616.29	7,249.66	153.37	160.40	91.08	-827.53	9,572.06	1,128.12	813.89	314.23	3.590		
16,700.00	7,228.16	16,716.29	7,249.84	155.01	162.06	91.10	-827.65	9,672.06	1,128.05	810.51	317.54	3.552		
16,800.00	7,227.98	16,816.29	7,250.01	156.66	163.72	91.12	-827.76	9,772.06	1,127.99	807.13	320.85	3.516		
16,900.00	7,227.81	16,916.29	7,250.19	158.31	165.39	91.14	-827.88	9,872.06	1,127.92	803.76	324.16	3.480		
17,000.00	7,227.64	17,016.29	7,250.36	159.96	167.05	91.15	-828.00	9,972.05	1,127.85	800.38	327.47	3.444		
17,100.00	7,227.46	17,116.29	7,250.53	161.61	168.71	91.17	-828.11	10,072.05	1,127.79	797.00	330.78	3.409		
17,200.00	7,227.29	17,216.29	7,250.71	163.26	170.38	91.19	-828.23	10,172.05	1,127.72	793.62	334.10	3.375		
17,300.00	7,227.11	17,316.29	7,250.88	164.91	172.04	91.21	-828.34	10,272.05	1,127.66	790.25	337.41	3.342		
17,400.00	7,226.94	17,416.29	7,251.06	166.56	173.70	91.23	-828.46	10,372.05	1,127.59	786.87	340.72	3.309		
17,500.00	7,226.76	17,516.29	7,251.23	168.21	175.37	91.24	-828.58	10,472.05	1,127.52	783.49	344.04	3.277		
17,600.00	7,226.59	17,616.29	7,251.41	169.86	177.03	91.26	-828.69	10,572.05	1,127.46	780.11	347.35	3.246		
17,700.00	7,226.41	17,716.29	7,251.58	171.51	178.69	91.28	-828.81	10,672.05	1,127.39	776.73	350.67	3.215		
17,800.00	7,226.24	17,816.28	7,251.75	173.16	180.36	91.30	-828.92	10,772.05	1,127.33	773.35	353.98	3.185		
17,900.00	7,226.07	17,916.28	7,251.93	174.81	182.02	91.31	-829.04	10,872.05	1,127.26	769.97	357.30	3.155		
18,000.00	7,225.89	18,016.28	7,252.10	176.47	183.69	91.33	-829.16	10,972.05	1,127.20	766.58	360.61	3.126		
18,100.00	7,225.72	18,116.28	7,252.28	178.12	185.35	91.35	-829.27	11,072.05	1,127.13	763.20	363.93	3.097		
18,200.00	7,225.54	18,216.28	7,252.45	179.77	187.02	91.37	-829.39	11,172.04	1,127.07	759.82	367.25	3.069		
18,300.00	7,225.37	18,316.28	7,252.63	181.43	188.68	91.39	-829.50	11,272.04	1,127.01	756.44	370.57	3.041		
18,400.00	7,225.19	18,416.28	7,252.80	183.08	190.35	91.40	-829.62	11,372.04	1,126.94	753.06	373.88	3.014		
18,500.00	7,225.02	18,516.28	7,252.97	184.74	192.01	91.42	-829.74	11,472.04	1,126.88	749.67	377.20	2.987		
18,600.00	7,224.85	18,616.28	7,253.15	186.39	193.68	91.44	-829.85	11,572.04	1,126.81	746.29	380.52	2.961		
18,700.00	7,224.67	18,716.28	7,253.32	188.05	195.34	91.46	-829.97	11,672.04	1,126.75	742.91	383.84	2.935		
18,800.00	7,224.50	18,816.28	7,253.50	189.70	197.01	91.47	-830.08	11,772.04	1,126.68	739.52	387.16	2.910		
18,900.00	7,224.32	18,916.28	7,253.67	191.36	198.68	91.49	-830.20	11,872.04	1,126.62	736.14	390.48	2.885		
19,000.00	7,224.15	19,016.28	7,253.84	193.01	200.34	91.51	-830.32	11,972.04	1,126.56	732.76	393.80	2.861		
19,100.00	7,223.97	19,116.28	7,254.02	194.67	202.01	91.53	-830.43	12,072.04	1,126.49	729.37	397.12	2.837		
19,200.00	7,223.80	19,216.28	7,254.19	196.32	203.67	91.55	-830.55	12,172.04	1,126.43	725.99	400.44	2.813		
19,300.00	7,223.62	19,316.28	7,254.37	197.98	205.34	91.56	-830.67	12,272.04	1,126.37	722.60	403.76	2.790		
19,400.00	7,223.45	19,416.27	7,254.54	199.64	207.00	91.58	-830.78	12,372.03	1,126.30	719.22	407.08	2.767		
19,500.00	7,223.28	19,516.27	7,254.72	201.30	208.67	91.60	-830.90	12,472.03	1,126.24	715.83	410.41	2.744		
19,600.00	7,223.10	19,616.27	7,254.89	202.95	210.34	91.62	-831.01	12,572.03	1,126.18	712.45	413.73	2.722		
19,700.00	7,222.93	19,716.27	7,255.06	204.61	212.00	91.64	-831.13	12,672.03	1,126.11	709.06	417.05	2.700		
19,800.00	7,222.75	19,816.27	7,255.24	206.27	213.67	91.65	-831.25	12,772.03	1,126.05	705.68	420.37	2.679		
19,900.00	7,222.58	19,916.27	7,255.41	207.93	215.34	91.67	-831.36	12,872.03	1,125.99	702.29	423.69	2.658		
20,000.00	7,222.40	20,016.27	7,255.59	209.59	217.00	91.69	-831.48	12,972.03	1,125.92	698.91	427.02	2.637		
20,100.00	7,222.23	20,116.27	7,255.76	211.24	218.67	91.71	-831.59	13,072.03	1,125.86	695.52	430.34	2.616		
20,200.00	7,222.05	20,216.27	7,255.94	212.90	220.34	91.72	-831.71	13,172.03	1,125.80	692.14	433.66	2.596		
20,231.13	7,222.00	20,247.40	7,255.99	213.42	220.86	91.73	-831.75	13,203.16	1,125.78	691.08	434.70	2.590 SF		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 4C-30-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	111.42	-59.01	150.45	161.61				
100.00	100.00	101.00	99.00	3.28	3.28	111.42	-59.01	150.45	161.61	154.08	7.53	21.465	
200.00	200.00	199.00	199.00	3.31	3.30	111.42	-59.01	150.45	161.61	154.03	7.57	21.339	CC, ES
300.00	299.98	293.64	293.63	3.35	3.34	121.34	-59.49	151.90	164.13	156.47	7.66	21.437	
400.00	399.88	387.83	387.69	3.42	3.40	122.40	-60.93	156.30	171.37	163.59	7.78	22.040	
500.00	499.77	481.47	481.01	3.51	3.48	123.36	-63.33	163.57	182.02	174.10	7.93	22.961	
600.00	599.67	574.94	573.87	3.62	3.58	124.11	-66.66	173.71	195.92	187.81	8.11	24.146	
700.00	699.56	673.75	671.87	3.74	3.72	124.75	-70.59	185.67	211.17	202.81	8.36	25.269	
800.00	799.45	772.55	769.87	3.88	3.88	125.31	-74.52	197.63	226.44	217.81	8.63	26.229	
900.00	899.35	871.36	867.87	4.04	4.07	125.79	-78.45	209.59	241.73	232.79	8.94	27.035	
1,000.00	999.24	970.16	965.87	4.21	4.27	126.22	-82.39	221.55	257.03	247.75	9.28	27.707	
1,100.00	1,099.13	1,068.97	1,063.87	4.39	4.49	126.60	-86.32	233.51	272.34	262.71	9.64	28.261	
1,200.00	1,199.03	1,167.77	1,161.87	4.58	4.72	126.94	-90.25	245.47	287.67	277.65	10.02	28.715	
1,300.00	1,298.92	1,266.58	1,259.87	4.78	4.97	127.25	-94.18	257.42	303.00	292.58	10.42	29.082	
1,400.00	1,398.81	1,365.38	1,357.87	4.98	5.22	127.52	-98.11	269.38	318.34	307.51	10.84	29.380	
1,500.00	1,498.70	1,464.19	1,455.87	5.20	5.49	127.77	-102.05	281.34	333.69	322.43	11.27	29.616	
1,600.00	1,598.60	1,562.99	1,553.87	5.42	5.76	128.00	-105.98	293.30	349.05	337.33	11.71	29.802	
1,700.00	1,698.49	1,661.80	1,651.87	5.64	6.04	128.21	-109.91	305.26	364.41	352.24	12.17	29.947	
1,800.00	1,798.38	1,760.60	1,749.87	5.88	6.32	128.40	-113.84	317.22	379.77	367.13	12.63	30.059	
1,900.00	1,898.28	1,859.41	1,847.87	6.11	6.53	128.58	-117.77	329.18	395.14	382.48	12.66	31.221	
2,000.00	1,998.17	1,958.21	1,945.87	6.35	6.61	128.74	-121.71	341.14	410.51	397.56	12.95	31.698	
2,100.00	2,098.06	2,057.02	2,043.87	6.59	6.64	128.90	-125.64	353.10	425.88	412.67	13.21	32.237	
2,200.00	2,197.96	2,155.82	2,141.87	6.83	6.70	129.04	-129.57	365.06	441.26	427.77	13.49	32.714	
2,300.00	2,297.85	2,254.63	2,239.87	7.08	6.76	129.17	-133.50	377.02	456.64	442.85	13.78	33.133	
2,400.00	2,397.74	2,353.43	2,337.87	7.33	6.84	129.29	-137.43	388.97	472.02	457.93	14.09	33.498	
2,500.00	2,497.63	2,452.24	2,435.87	7.58	6.93	129.41	-141.36	400.93	487.40	472.98	14.42	33.812	
2,600.00	2,597.53	2,551.04	2,533.87	7.84	7.04	129.52	-145.30	412.89	502.78	488.03	14.75	34.079	
2,700.00	2,697.42	2,649.85	2,631.87	8.09	7.15	129.62	-149.23	424.85	518.17	503.06	15.11	34.303	
2,800.00	2,797.31	2,748.65	2,729.87	8.35	7.28	129.71	-153.16	436.81	533.56	518.09	15.47	34.488	
2,900.00	2,897.21	2,847.46	2,827.87	8.61	7.42	129.81	-157.09	448.77	548.95	533.10	15.85	34.638	
3,000.00	2,997.10	2,946.26	2,925.87	8.87	7.57	129.89	-161.02	460.73	564.34	548.10	16.24	34.756	
3,100.00	3,096.99	3,045.07	3,023.87	9.13	7.73	129.97	-164.96	472.69	579.73	563.09	16.64	34.846	
3,200.00	3,196.89	3,143.87	3,121.87	9.39	7.90	130.05	-168.89	484.65	595.12	578.08	17.05	34.911	
3,300.00	3,296.78	3,242.68	3,219.87	9.65	8.07	130.12	-172.82	496.61	610.52	593.05	17.47	34.954	
3,400.00	3,396.67	3,341.48	3,317.87	9.92	8.26	130.19	-176.75	508.57	625.91	608.02	17.89	34.978	
3,500.00	3,496.57	3,440.29	3,415.87	10.18	8.45	130.26	-180.68	520.52	641.31	622.98	18.33	34.985	
3,600.00	3,596.46	3,539.09	3,513.87	10.45	8.65	130.32	-184.62	532.48	656.70	637.93	18.78	34.977	
3,700.00	3,696.35	3,637.90	3,611.87	10.71	8.86	130.38	-188.55	544.44	672.10	652.87	19.23	34.956	
3,800.00	3,796.24	3,736.70	3,709.87	10.98	9.07	130.44	-192.48	556.40	687.50	667.81	19.69	34.924	
3,900.00	3,896.14	3,835.51	3,807.87	11.25	9.29	130.50	-196.41	568.36	702.90	682.75	20.15	34.883	
4,000.00	3,996.03	3,934.31	3,905.87	11.52	9.51	130.55	-200.34	580.32	718.30	697.68	20.62	34.834	
4,100.00	4,095.92	4,033.12	4,003.87	11.79	9.74	130.60	-204.27	592.28	733.70	712.60	21.10	34.778	
4,200.00	4,195.82	4,131.92	4,101.87	12.06	9.97	130.65	-208.21	604.24	749.10	727.52	21.58	34.717	
4,300.00	4,295.71	4,230.73	4,199.87	12.33	10.20	130.69	-212.14	616.20	764.50	742.43	22.06	34.651	
4,400.00	4,395.60	4,329.53	4,297.87	12.60	10.44	130.74	-216.07	628.16	779.90	757.35	22.55	34.580	
4,500.00	4,495.50	4,428.34	4,395.87	12.87	10.69	130.78	-220.00	640.12	795.30	772.25	23.05	34.507	
4,600.00	4,595.39	4,527.14	4,493.87	13.14	10.94	130.82	-223.93	652.07	810.70	787.16	23.55	34.432	
4,700.00	4,695.28	4,625.95	4,591.87	13.41	11.19	130.86	-227.87	664.03	826.10	802.06	24.05	34.354	
4,800.00	4,795.18	4,724.75	4,689.87	13.68	11.44	130.90	-231.80	675.99	841.51	816.96	24.55	34.275	
4,900.00	4,895.07	4,823.56	4,787.87	13.95	11.70	130.94	-235.73	687.95	856.91	831.85	25.06	34.195	
5,000.00	4,994.96	4,922.37	4,885.87	14.23	11.96	130.97	-239.66	699.91	872.31	846.74	25.57	34.114	
5,100.00	5,094.85	5,021.17	4,983.87	14.50	12.22	131.01	-243.59	711.87	887.72	861.63	26.08	34.033	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 4C-30-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	5,194.75	5,119.98	5,081.87	14.77	12.48	131.04	-247.52	723.83	903.12	876.52	26.60	33.951		
5,300.00	5,294.64	5,218.78	5,179.87	15.05	12.75	131.07	-251.46	735.79	918.53	891.41	27.12	33.870		
5,400.00	5,394.53	5,317.59	5,277.87	15.32	13.02	131.10	-255.39	747.75	933.93	906.29	27.64	33.789		
5,500.00	5,494.43	5,416.39	5,375.87	15.59	13.29	131.13	-259.32	759.71	949.34	921.17	28.16	33.708		
5,600.00	5,594.32	5,515.20	5,473.87	15.87	13.56	131.16	-263.25	771.66	964.74	936.05	28.69	33.628		
5,700.00	5,694.21	5,614.00	5,571.87	16.14	13.83	131.19	-267.18	783.62	980.15	950.93	29.22	33.549		
5,800.00	5,794.11	5,712.81	5,669.86	16.42	14.11	131.22	-271.12	795.58	995.55	965.81	29.74	33.471		
5,900.00	5,894.00	5,811.61	5,767.86	16.69	14.38	131.24	-275.05	807.54	1,010.96	980.68	30.27	33.393		
6,000.00	5,993.89	5,910.42	5,865.86	16.97	14.66	131.27	-278.98	819.50	1,026.36	995.56	30.81	33.316		
6,100.00	6,093.79	6,009.22	5,963.86	17.24	14.94	131.29	-282.91	831.46	1,041.77	1,010.43	31.34	33.241		
6,200.00	6,193.68	6,108.03	6,061.86	17.52	15.22	131.32	-286.84	843.42	1,057.18	1,025.30	31.88	33.166		
6,300.00	6,293.57	6,206.83	6,159.86	17.79	15.50	131.34	-290.78	855.38	1,072.58	1,040.17	32.41	33.093		
6,400.00	6,393.46	6,305.64	6,257.86	18.07	15.79	131.37	-294.71	867.34	1,087.99	1,055.04	32.95	33.020		
6,500.00	6,493.36	8,110.34	7,364.42	18.35	20.61	-171.04	-336.59	-47.91	1,070.49	1,037.55	32.95	32.491		
6,600.00	6,593.25	8,111.24	7,364.42	18.62	20.62	-170.96	-336.58	-48.81	993.67	959.84	33.84	29.368		
6,700.00	6,692.89	8,105.77	7,364.42	18.87	20.57	116.25	-336.60	-43.34	921.49	886.71	34.78	26.498		
6,800.00	6,790.44	8,084.85	7,364.39	19.10	20.39	112.34	-336.65	-22.42	856.19	820.49	35.70	23.983		
6,900.00	6,883.50	8,048.90	7,364.34	19.32	20.10	112.52	-336.73	13.53	800.06	763.48	36.57	21.876		
7,000.00	6,969.78	8,001.19	7,364.28	19.55	19.71	112.07	-336.85	63.62	754.60	717.24	37.36	20.197		
7,100.00	7,047.15	7,935.82	7,364.20	19.97	19.25	110.56	-337.00	126.61	720.24	682.18	38.06	18.922		
7,200.00	7,113.71	7,861.47	7,364.10	20.55	18.78	108.23	-337.17	200.96	696.26	657.51	38.75	17.967		
7,300.00	7,167.82	7,777.22	7,363.99	21.38	18.33	105.53	-337.37	285.21	680.98	641.47	39.51	17.237		
7,400.00	7,208.14	7,650.98	7,351.15	22.49	17.86	101.08	-337.16	410.59	669.77	629.40	40.37	16.591		
7,500.00	7,233.69	7,539.82	7,319.58	23.90	17.60	96.85	-336.15	517.02	660.41	618.73	41.68	15.845		
7,600.00	7,243.83	7,440.00	7,275.85	25.55	17.48	92.83	-334.63	606.62	653.69	610.42	43.27	15.107		
7,700.00	7,243.86	7,351.98	7,226.10	26.79	17.42	88.52	-332.82	679.12	650.27	606.00	44.27	14.690		
7,717.82	7,243.82	7,338.00	7,217.29	26.82	17.42	87.75	-332.49	689.98	650.17	605.90	44.27	14.687 SF		
7,800.00	7,243.68	7,279.62	7,178.02	26.98	17.40	84.30	-331.03	733.13	652.52	608.31	44.21	14.761		
7,900.00	7,243.51	7,220.56	7,134.46	27.27	17.39	80.50	-329.39	772.93	662.86	618.80	44.06	15.043		
8,000.00	7,243.33	7,172.23	7,096.18	27.65	17.39	77.21	-327.94	802.38	682.72	638.85	43.87	15.563		
8,100.00	7,243.16	7,132.38	7,063.01	28.12	17.38	74.41	-326.67	824.43	712.53	668.87	43.67	16.317		
8,200.00	7,242.98	7,100.00	7,035.09	28.68	17.37	72.10	-325.60	840.78	751.96	708.46	43.51	17.283		
8,300.00	7,242.81	7,071.28	7,009.66	29.33	17.36	70.05	-324.62	854.08	800.15	756.76	43.39	18.442		
8,400.00	7,242.63	7,050.00	6,990.44	30.06	17.35	68.52	-323.87	863.19	856.00	812.64	43.36	19.743		
8,500.00	7,242.46	7,027.19	6,969.52	30.86	17.34	66.90	-323.06	872.23	918.37	875.04	43.33	21.194		
8,600.00	7,242.29	7,000.00	6,944.17	31.73	17.33	64.97	-322.08	882.02	986.32	943.04	43.28	22.788		
8,700.00	7,242.11	7,000.00	6,944.17	32.66	17.33	64.97	-322.08	882.02	1,058.67	1,015.18	43.49	24.343		
8,800.00	7,241.94	6,980.64	6,925.88	33.66	17.32	63.61	-321.36	888.33	1,134.81	1,091.28	43.53	26.069		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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						
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	1.00	-1.00	3.28	3.28	117.72	-79.04	150.45	169.95				
100.00	100.00	101.00	99.00	3.28	3.28	117.72	-79.04	150.45	169.95	162.42	7.53	22.573	
200.00	200.00	199.00	199.00	3.31	3.30	117.72	-79.04	150.45	169.95	162.38	7.57	22.440	CC, ES
300.00	299.98	293.42	293.41	3.35	3.34	127.54	-79.56	151.88	172.61	164.95	7.66	22.545	
400.00	399.88	387.38	387.25	3.42	3.40	128.36	-81.14	156.21	180.18	172.41	7.78	23.172	
500.00	499.77	480.79	480.34	3.51	3.48	129.02	-83.75	163.37	191.12	183.19	7.93	24.107	
600.00	599.67	573.46	572.40	3.62	3.58	129.46	-87.36	173.29	205.26	197.15	8.11	25.299	
700.00	699.56	670.95	669.00	3.74	3.72	129.77	-91.87	185.68	221.49	213.14	8.35	26.523	
800.00	799.45	769.61	766.75	3.88	3.88	130.03	-96.45	198.26	237.77	229.14	8.63	27.561	
900.00	899.35	868.27	864.50	4.04	4.07	130.26	-101.03	210.85	254.06	245.12	8.94	28.434	
1,000.00	999.24	966.93	962.24	4.21	4.28	130.46	-105.60	223.43	270.35	261.08	9.27	29.160	
1,100.00	1,099.13	1,065.59	1,059.99	4.39	4.50	130.64	-110.18	236.01	286.64	277.01	9.63	29.759	
1,200.00	1,199.03	1,164.25	1,157.74	4.58	4.74	130.80	-114.76	248.59	302.94	292.92	10.01	30.249	
1,300.00	1,298.92	1,262.91	1,255.48	4.78	4.99	130.95	-119.34	261.17	319.24	308.82	10.42	30.646	
1,400.00	1,398.81	1,361.57	1,353.23	4.98	5.26	131.08	-123.92	273.76	335.54	324.70	10.83	30.969	
1,500.00	1,498.70	1,460.23	1,450.98	5.20	5.53	131.20	-128.50	286.34	351.84	340.57	11.27	31.224	
1,600.00	1,598.60	1,558.89	1,548.73	5.42	5.81	131.30	-133.08	298.92	368.14	356.43	11.71	31.425	
1,700.00	1,698.49	1,657.55	1,646.47	5.64	6.09	131.40	-137.66	311.50	384.45	372.27	12.17	31.582	
1,800.00	1,798.38	1,756.21	1,744.22	5.88	6.38	131.49	-142.24	324.08	400.75	388.11	12.64	31.703	
1,900.00	1,898.28	1,854.87	1,841.97	6.11	6.60	131.58	-146.82	336.67	417.06	404.39	12.67	32.918	
2,000.00	1,998.17	1,953.53	1,939.71	6.35	6.69	131.65	-151.40	349.25	433.36	420.39	12.97	33.415	
2,100.00	2,098.06	2,052.19	2,037.46	6.59	6.73	131.72	-155.98	361.83	449.67	436.44	13.23	33.991	
2,200.00	2,197.96	2,150.85	2,135.21	6.83	6.78	131.79	-160.56	374.41	465.98	452.47	13.51	34.502	
2,300.00	2,297.85	2,249.51	2,233.95	7.08	6.85	131.85	-165.14	387.00	482.29	468.49	13.80	34.951	
2,400.00	2,397.74	2,348.17	2,330.70	7.33	6.93	131.91	-169.72	399.58	498.60	484.49	14.11	35.342	
2,500.00	2,497.63	2,446.83	2,428.45	7.58	7.02	131.96	-174.30	412.16	514.91	500.48	14.43	35.678	
2,600.00	2,597.53	2,545.49	2,526.20	7.84	7.13	132.01	-178.88	424.74	531.22	516.45	14.77	35.965	
2,700.00	2,697.42	2,644.15	2,623.94	8.09	7.25	132.06	-183.46	437.32	547.53	532.41	15.12	36.205	
2,800.00	2,797.31	2,742.81	2,721.69	8.35	7.38	132.11	-188.03	449.91	563.84	548.35	15.49	36.404	
2,900.00	2,897.21	2,841.47	2,819.44	8.61	7.52	132.15	-192.61	462.49	580.15	564.28	15.87	36.565	
3,000.00	2,997.10	2,940.13	2,917.18	8.87	7.68	132.19	-197.19	475.07	596.46	580.21	16.26	36.692	
3,100.00	3,096.99	3,038.79	3,014.93	9.13	7.84	132.23	-201.77	487.65	612.77	596.12	16.66	36.789	
3,200.00	3,196.89	3,137.45	3,112.68	9.39	8.01	132.26	-206.35	500.24	629.09	612.02	17.07	36.859	
3,300.00	3,296.78	3,236.11	3,210.42	9.65	8.19	132.30	-210.93	512.82	645.40	627.91	17.49	36.906	
3,400.00	3,396.67	3,334.77	3,308.17	9.92	8.38	132.33	-215.51	525.40	661.71	643.79	17.92	36.932	
3,500.00	3,496.57	3,433.43	3,405.92	10.18	8.57	132.36	-220.09	537.98	678.02	659.67	18.35	36.940	
3,600.00	3,596.46	3,532.09	3,503.67	10.45	8.78	132.39	-224.67	550.56	694.34	675.54	18.80	36.932	
3,700.00	3,696.35	3,630.75	3,601.41	10.71	8.99	132.42	-229.25	563.15	710.65	691.40	19.25	36.910	
3,800.00	3,796.24	3,729.41	3,699.16	10.98	9.20	132.45	-233.83	575.73	726.96	707.25	19.71	36.877	
3,900.00	3,896.14	3,828.07	3,796.91	11.25	9.42	132.47	-238.41	588.31	743.28	723.10	20.18	36.833	
4,000.00	3,996.03	3,926.73	3,894.65	11.52	9.65	132.50	-242.99	600.89	759.59	738.94	20.65	36.781	
4,100.00	4,095.92	4,025.39	3,992.40	11.79	9.88	132.52	-247.57	613.48	775.90	754.78	21.13	36.722	
4,200.00	4,195.82	4,124.05	4,090.15	12.06	10.12	132.54	-252.15	626.06	792.22	770.61	21.61	36.657	
4,300.00	4,295.71	4,222.71	4,187.90	12.33	10.36	132.57	-256.73	638.64	808.53	786.43	22.10	36.587	
4,400.00	4,395.60	4,321.37	4,285.64	12.60	10.60	132.59	-261.31	651.22	824.85	802.26	22.59	36.513	
4,500.00	4,495.50	4,420.03	4,383.39	12.87	10.85	132.61	-265.89	663.80	841.16	818.07	23.09	36.435	
4,600.00	4,595.39	4,518.69	4,481.14	13.14	11.10	132.63	-270.47	676.39	857.47	833.89	23.59	36.355	
4,700.00	4,695.28	4,617.35	4,578.88	13.41	11.36	132.64	-275.04	688.97	873.79	849.70	24.09	36.273	
4,800.00	4,795.18	4,716.01	4,676.63	13.68	11.61	132.66	-279.62	701.55	890.10	865.51	24.60	36.189	
4,900.00	4,895.07	4,814.67	4,774.38	13.95	11.87	132.68	-284.20	714.13	906.42	881.31	25.11	36.103	
5,000.00	4,994.96	4,913.33	4,872.12	14.23	12.14	132.70	-288.78	726.72	922.73	897.11	25.62	36.018	
5,100.00	5,094.85	5,011.99	4,969.87	14.50	12.40	132.71	-293.36	739.30	939.05	912.91	26.13	35.931	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 4N-30A-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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)				
5,200.00	5,194.75	5,110.65	5,067.62	14.77	12.67	132.73	-297.94	751.88	955.36	928.71	26.65	35.845			
5,300.00	5,294.64	5,209.31	5,165.37	15.05	12.94	132.74	-302.52	764.46	971.68	944.50	27.17	35.758			
5,400.00	5,394.53	5,307.97	5,263.11	15.32	13.21	132.76	-307.10	777.04	987.99	960.29	27.70	35.672			
5,500.00	5,494.43	5,406.63	5,360.86	15.59	13.49	132.77	-311.68	789.63	1,004.31	976.08	28.22	35.587			
5,600.00	5,594.32	5,505.29	5,458.61	15.87	13.77	132.78	-316.26	802.21	1,020.62	991.87	28.75	35.502			
5,700.00	5,694.21	5,603.95	5,556.35	16.14	14.04	132.80	-320.84	814.79	1,036.94	1,007.66	29.28	35.418			
5,800.00	5,794.11	5,702.61	5,654.10	16.42	14.32	132.81	-325.42	827.37	1,053.25	1,023.44	29.81	35.334			
5,900.00	5,894.00	5,801.27	5,751.85	16.69	14.60	132.82	-330.00	839.96	1,069.57	1,039.23	30.34	35.252			
6,000.00	5,993.89	5,900.07	5,849.59	16.97	14.89	132.83	-334.58	852.54	1,085.88	1,055.01	30.88	35.170			
6,100.00	6,093.79	6,001.41	5,947.34	17.24	15.18	132.85	-339.16	865.12	1,102.20	1,070.78	31.42	35.082			
6,200.00	6,193.68	7,802.87	7,048.04	17.52	20.10	-170.89	-387.90	-46.93	1,079.46	1,047.61	31.85	33.889			
6,300.00	6,293.57	7,802.08	7,048.04	17.79	20.09	-170.83	-387.89	-47.72	1,005.16	972.40	32.76	30.681			
6,400.00	6,393.46	7,801.30	7,048.04	18.07	20.08	-170.76	-387.89	-48.51	935.66	901.89	33.78	27.702			
6,500.00	6,493.36	7,800.51	7,048.04	18.35	20.08	-170.70	-387.89	-49.30	872.11	837.22	34.89	24.996			
6,600.00	6,593.25	7,800.28	7,048.04	18.62	20.07	-170.63	-387.89	-50.09	815.89	779.81	36.09	22.610			
6,700.00	6,692.89	7,805.30	7,048.04	18.87	20.12	112.49	-387.90	-44.51	768.74	731.41	37.33	20.594			
6,800.00	6,790.44	7,773.66	7,048.04	19.10	19.84	104.42	-387.96	-23.47	732.87	694.69	38.18	19.194			
6,900.00	6,883.50	7,737.61	7,048.03	19.32	19.53	100.81	-388.06	12.59	709.59	670.78	38.81	18.283			
7,000.00	6,969.78	7,687.42	7,048.02	19.55	19.11	96.85	-388.19	62.77	698.50	659.40	39.10	17.865			
7,059.14	7,016.75	7,651.58	7,048.02	19.80	18.84	94.13	-388.29	98.62	696.92	657.74	39.17	17.790 SF			
7,100.00	7,047.15	7,624.34	7,048.02	19.97	18.64	92.12	-388.36	125.85	697.58	658.43	39.16	17.815			
7,200.00	7,113.71	7,549.92	7,048.01	20.55	18.15	87.03	-388.56	200.27	703.66	664.51	39.15	17.973			
7,300.00	7,167.82	7,468.25	7,048.00	21.38	17.70	82.21	-388.78	284.20	713.19	673.92	39.27	18.160			
7,400.00	7,208.14	7,390.30	7,043.36	22.49	17.37	78.34	-388.77	359.71	723.88	684.16	39.72	18.226			
7,500.00	7,233.69	7,317.27	7,030.44	23.90	17.13	74.88	-388.36	431.55	735.12	694.66	40.45	18.172			
7,600.00	7,243.83	7,246.42	7,010.14	25.55	16.96	71.86	-387.60	499.38	746.08	704.64	41.44	18.004			
7,700.00	7,243.86	7,178.87	6,983.88	26.79	16.86	69.79	-386.55	561.57	758.19	716.42	41.77	18.150			
7,800.00	7,243.68	7,117.56	6,954.47	26.98	16.80	67.68	-385.32	615.33	775.46	734.11	41.35	18.752			
7,900.00	7,243.51	7,062.67	6,923.87	27.27	16.76	65.54	-384.02	660.85	798.69	757.69	41.01	19.477			
8,000.00	7,243.33	7,013.95	6,893.51	27.65	16.75	63.48	-382.71	698.93	828.32	787.58	40.75	20.329			
8,100.00	7,243.16	6,970.88	6,864.33	28.12	16.74	61.55	-381.44	730.56	864.50	823.93	40.58	21.305			
8,200.00	7,242.98	6,932.87	6,836.85	28.68	16.73	59.80	-380.23	756.78	907.10	866.60	40.51	22.394			
8,300.00	7,242.81	6,900.00	6,811.85	29.33	16.73	58.25	-379.13	778.10	955.78	915.25	40.53	23.582			
8,400.00	7,242.63	6,869.61	6,787.80	30.06	16.72	56.80	-378.06	796.64	1,010.06	969.44	40.62	24.868			
8,500.00	7,242.46	6,850.00	6,771.82	30.86	16.72	55.86	-377.35	807.98	1,069.43	1,028.61	40.83	26.194			
8,600.00	7,242.29	6,819.78	6,746.53	31.73	16.72	54.41	-376.21	824.48	1,133.22	1,092.26	40.96	27.666			



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 4N-30B-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	104.55	-38.97	150.17	155.14					
100.00	100.00	101.00	99.00	3.28	3.28	104.55	-38.97	150.17	155.14	147.62	7.53	20.606		
200.00	200.00	199.00	199.00	3.31	3.30	104.55	-38.97	150.17	155.14	147.57	7.57	20.485	CC, ES	
300.00	299.98	293.96	293.94	3.35	3.34	114.44	-39.04	151.71	157.45	149.79	7.66	20.563		
400.00	399.88	388.52	388.39	3.42	3.40	115.39	-39.24	156.37	164.12	156.35	7.78	21.103		
500.00	499.77	482.61	482.16	3.51	3.49	116.10	-39.58	164.09	174.11	166.17	7.93	21.952		
600.00	599.67	576.99	575.91	3.62	3.59	116.49	-40.05	174.87	187.22	179.09	8.12	23.051		
700.00	699.56	675.97	674.10	3.74	3.73	116.76	-40.59	187.30	201.43	193.07	8.37	24.076		
800.00	799.45	774.95	772.30	3.88	3.89	117.00	-41.13	199.73	215.65	207.01	8.65	24.943		
900.00	899.35	873.93	870.49	4.04	4.07	117.20	-41.68	212.16	229.87	220.92	8.96	25.668		
1,000.00	999.24	972.91	968.69	4.21	4.27	117.39	-42.22	224.58	244.10	234.81	9.29	26.265		
1,100.00	1,099.13	1,071.89	1,066.88	4.39	4.49	117.55	-42.76	237.01	258.33	248.67	9.66	26.753		
1,200.00	1,199.03	1,170.87	1,165.08	4.58	4.72	117.70	-43.30	249.44	272.56	262.52	10.04	27.147		
1,300.00	1,298.92	1,269.85	1,263.27	4.78	4.96	117.83	-43.85	261.87	286.79	276.34	10.44	27.463		
1,400.00	1,398.81	1,368.83	1,361.47	4.98	5.22	117.95	-44.39	274.30	301.02	290.16	10.86	27.714		
1,500.00	1,498.70	1,467.81	1,459.66	5.20	5.48	118.06	-44.93	286.72	315.25	303.96	11.30	27.909		
1,600.00	1,598.60	1,566.79	1,557.86	5.42	5.74	118.15	-45.47	299.15	329.49	317.74	11.74	28.059		
1,700.00	1,698.49	1,665.77	1,656.06	5.64	6.02	118.25	-46.02	311.58	343.72	331.52	12.20	28.172		
1,800.00	1,798.38	1,764.75	1,754.25	5.88	6.30	118.33	-46.56	324.01	357.96	345.29	12.67	28.255		
1,900.00	1,898.28	1,863.73	1,852.45	6.11	6.50	118.41	-47.10	336.43	372.20	359.51	12.69	29.336		
2,000.00	1,998.17	1,962.71	1,950.64	6.35	6.57	118.48	-47.64	348.86	386.43	373.45	12.98	29.775		
2,100.00	2,098.06	2,061.69	2,048.84	6.59	6.61	118.54	-48.19	361.29	400.67	387.43	13.24	30.261		
2,200.00	2,197.96	2,160.67	2,147.03	6.83	6.66	118.61	-48.73	373.72	414.91	401.39	13.52	30.689		
2,300.00	2,297.85	2,259.65	2,245.23	7.08	6.73	118.66	-49.27	386.15	429.15	415.33	13.82	31.064		
2,400.00	2,397.74	2,358.63	2,343.42	7.33	6.80	118.72	-49.81	398.57	443.39	429.26	14.13	31.388		
2,500.00	2,497.63	2,457.61	2,441.62	7.58	6.90	118.77	-50.36	411.00	457.63	443.18	14.45	31.666		
2,600.00	2,597.53	2,556.59	2,539.81	7.84	7.00	118.82	-50.90	423.43	471.87	457.08	14.79	31.901		
2,700.00	2,697.42	2,655.57	2,638.01	8.09	7.12	118.86	-51.44	435.86	486.11	470.96	15.14	32.097		
2,800.00	2,797.31	2,754.55	2,736.20	8.35	7.24	118.90	-51.99	448.29	500.35	484.84	15.51	32.257		
2,900.00	2,897.21	2,853.53	2,834.40	8.61	7.38	118.94	-52.53	460.71	514.59	498.70	15.89	32.385		
3,000.00	2,997.10	2,952.51	2,932.60	8.87	7.53	118.98	-53.07	473.14	528.83	512.55	16.28	32.484		
3,100.00	3,096.99	3,051.49	3,030.79	9.13	7.69	119.02	-53.61	485.57	543.07	526.39	16.68	32.557		
3,200.00	3,196.89	3,150.47	3,128.99	9.39	7.85	119.05	-54.16	498.00	557.31	540.22	17.09	32.608		
3,300.00	3,296.78	3,249.45	3,227.18	9.65	8.03	119.08	-54.70	510.43	571.55	554.04	17.51	32.638		
3,400.00	3,396.67	3,348.43	3,325.38	9.92	8.21	119.11	-55.24	522.85	585.80	567.85	17.94	32.651		
3,500.00	3,496.57	3,447.41	3,423.57	10.18	8.40	119.14	-55.78	535.28	600.04	581.66	18.38	32.649		
3,600.00	3,596.46	3,546.39	3,521.77	10.45	8.60	119.17	-56.33	547.71	614.28	595.46	18.82	32.634		
3,700.00	3,696.35	3,645.37	3,619.96	10.71	8.80	119.20	-56.87	560.14	628.52	609.25	19.28	32.607		
3,800.00	3,796.24	3,744.35	3,718.16	10.98	9.01	119.22	-57.41	572.57	642.76	623.03	19.73	32.570		
3,900.00	3,896.14	3,843.33	3,816.35	11.25	9.22	119.25	-57.95	584.99	657.01	636.81	20.20	32.525		
4,000.00	3,996.03	3,942.31	3,914.55	11.52	9.44	119.27	-58.50	597.42	671.25	650.58	20.67	32.473		
4,100.00	4,095.92	4,041.29	4,012.74	11.79	9.67	119.29	-59.04	609.85	685.49	664.34	21.15	32.415		
4,200.00	4,195.82	4,140.27	4,110.94	12.06	9.90	119.31	-59.58	622.28	699.73	678.11	21.63	32.352		
4,300.00	4,295.71	4,239.26	4,209.14	12.33	10.13	119.34	-60.12	634.71	713.98	691.86	22.12	32.284		
4,400.00	4,395.60	4,338.24	4,307.33	12.60	10.37	119.35	-60.67	647.13	728.22	705.61	22.61	32.214		
4,500.00	4,495.50	4,437.22	4,405.53	12.87	10.61	119.37	-61.21	659.56	742.46	719.36	23.10	32.141		
4,600.00	4,595.39	4,536.20	4,503.72	13.14	10.86	119.39	-61.75	671.99	756.71	733.11	23.60	32.065		
4,700.00	4,695.28	4,635.18	4,601.92	13.41	11.10	119.41	-62.29	684.42	770.95	746.85	24.10	31.988		
4,800.00	4,795.18	4,734.16	4,700.11	13.68	11.36	119.43	-62.84	696.85	785.19	760.59	24.61	31.910		
4,900.00	4,895.07	4,833.14	4,798.31	13.95	11.61	119.44	-63.38	709.27	799.44	774.32	25.11	31.832		
5,000.00	4,994.96	4,932.12	4,896.50	14.23	11.87	119.46	-63.92	721.70	813.68	788.05	25.63	31.752		
5,100.00	5,094.85	5,031.10	4,994.70	14.50	12.12	119.47	-64.46	734.13	827.92	801.78	26.14	31.673		

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 4N-30B-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	5,194.75	5,130.08	5,092.89	14.77	12.39	119.49	-65.01	746.56	842.17	815.51	26.66	31.593				
5,300.00	5,294.64	5,229.06	5,191.09	15.05	12.65	119.50	-65.55	758.99	856.41	829.23	27.18	31.514				
5,400.00	5,394.53	5,328.04	5,289.28	15.32	12.91	119.52	-66.09	771.41	870.65	842.96	27.70	31.435				
5,500.00	5,494.43	5,427.02	5,387.48	15.59	13.18	119.53	-66.63	783.84	884.90	856.68	28.22	31.357				
5,600.00	5,594.32	5,526.00	5,485.67	15.87	13.45	119.54	-67.18	796.27	899.14	870.40	28.75	31.279				
5,700.00	5,694.21	5,624.98	5,583.87	16.14	13.72	119.56	-67.72	808.70	913.38	884.11	29.27	31.202				
5,800.00	5,794.11	5,723.96	5,682.07	16.42	13.99	119.57	-68.26	821.12	927.63	897.83	29.80	31.126				
5,900.00	5,894.00	5,822.94	5,780.26	16.69	14.27	119.58	-68.80	833.55	941.87	911.54	30.33	31.051				
6,000.00	5,993.89	5,921.92	5,878.46	16.97	14.54	119.59	-69.35	845.98	956.12	925.25	30.87	30.977				
6,100.00	6,093.79	6,020.90	5,976.65	17.24	14.82	119.60	-69.89	858.41	970.36	938.96	31.40	30.904				
6,200.00	6,193.68	6,119.88	6,074.85	17.52	15.10	119.61	-70.43	870.84	984.60	952.67	31.93	30.832				
6,300.00	6,293.57	7,902.34	7,168.57	17.79	20.10	-173.50	-114.62	-30.16	958.93	928.60	30.34	31.611				
6,400.00	6,393.46	7,898.44	7,168.57	18.07	20.07	-173.40	-114.65	-30.93	870.70	839.67	31.03	28.060				
6,500.00	6,493.36	7,900.79	7,168.58	18.35	20.09	-173.29	-114.68	-31.71	785.29	753.39	31.90	24.620				
6,600.00	6,593.25	7,900.02	7,168.58	18.62	20.08	-173.19	-114.71	-32.48	703.73	670.81	32.93	21.373				
6,700.00	6,692.89	7,905.60	7,168.57	18.87	20.13	114.82	-114.50	-26.90	627.55	593.35	34.20	18.350				
6,800.00	6,790.44	7,873.36	7,168.53	19.10	19.85	110.57	-113.73	-5.88	559.72	524.31	35.42	15.804				
6,900.00	6,883.50	7,837.32	7,168.46	19.32	19.55	109.29	-112.41	30.14	503.70	467.00	36.71	13.722				
7,000.00	6,969.78	7,787.16	7,168.37	19.55	19.15	106.43	-110.57	80.27	462.00	424.16	37.84	12.209				
7,100.00	7,047.15	7,724.12	7,168.26	19.97	18.69	101.77	-108.25	143.27	435.24	396.55	38.69	11.250				
7,200.00	7,113.71	7,649.74	7,168.13	20.55	18.22	95.89	-105.53	217.59	421.59	382.35	39.24	10.744				
7,300.00	7,167.82	7,565.76	7,167.85	21.38	17.76	89.74	-102.44	301.52	417.17	377.52	39.65	10.521				
7,329.00	7,180.98	7,540.57	7,166.80	21.70	17.64	87.99	-101.51	326.67	416.97	377.15	39.82	10.472				
7,400.00	7,208.14	7,480.77	7,160.33	22.49	17.39	83.81	-99.26	386.06	418.09	377.93	40.17	10.409				
7,500.00	7,233.69	7,400.35	7,142.91	23.90	17.11	78.23	-96.21	464.44	423.06	382.25	40.81	10.368 SF				
7,600.00	7,243.83	7,323.49	7,117.15	25.55	16.92	73.10	-93.29	536.75	431.04	389.48	41.56	10.371				
7,700.00	7,243.86	7,250.00	7,084.54	26.79	16.79	68.77	-90.55	602.51	443.13	401.64	41.49	10.682				
7,800.00	7,243.68	7,187.35	7,050.90	26.98	16.71	64.67	-88.27	655.28	463.68	423.14	40.54	11.437				
7,900.00	7,243.51	7,131.28	7,016.52	27.27	16.67	60.71	-86.30	699.51	493.79	454.13	39.66	12.450				
8,000.00	7,243.33	7,082.47	6,983.53	27.65	16.65	57.17	-84.64	735.42	533.54	494.56	38.97	13.691				
8,100.00	7,243.16	7,040.08	6,952.71	28.12	16.63	54.08	-83.26	764.48	582.24	543.71	38.53	15.111				
8,200.00	7,242.98	7,000.00	6,921.84	28.68	16.62	51.20	-82.01	790.01	638.85	600.56	38.28	16.687				
8,300.00	7,242.81	6,971.10	6,898.62	29.33	16.62	49.17	-81.15	807.19	702.10	663.77	38.33	18.318				
8,400.00	7,242.63	6,950.00	6,881.19	30.06	16.61	47.72	-80.53	819.06	770.97	732.41	38.56	19.996				
8,500.00	7,242.46	6,918.24	6,854.23	30.86	16.61	45.60	-79.64	835.82	844.27	805.59	38.67	21.830				
8,600.00	7,242.29	6,900.00	6,838.38	31.73	16.60	44.42	-79.15	844.83	921.38	882.40	38.98	23.638				
8,700.00	7,242.11	6,876.98	6,818.01	32.66	16.60	42.97	-78.55	855.55	1,001.53	962.31	39.22	25.537				
8,800.00	7,241.94	6,850.00	6,793.68	33.66	16.59	41.33	-77.88	867.17	1,084.35	1,044.93	39.42	27.510				
8,900.00	7,241.76	6,850.00	6,793.68	34.70	16.59	41.33	-77.88	867.17	1,169.08	1,129.23	39.85	29.339				

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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	97.19	-18.94	150.17	151.36				
100.00	100.00	101.00	99.00	3.28	3.28	97.19	-18.94	150.17	151.36	143.83	7.53	20.104	
200.00	200.00	199.00	199.00	3.31	3.30	97.19	-18.94	150.17	151.36	143.79	7.57	19.985 CC	
300.00	299.98	294.21	294.19	3.35	3.35	107.07	-18.66	151.69	153.42	145.76	7.66	20.035	
400.00	399.88	389.09	388.95	3.42	3.41	107.96	-17.80	156.30	159.44	151.66	7.78	20.497	
500.00	499.77	483.55	483.09	3.51	3.49	108.51	-16.36	163.95	168.66	160.72	7.93	21.256	
600.00	599.67	578.32	577.23	3.62	3.60	108.66	-14.36	174.64	180.92	172.79	8.13	22.260	
700.00	699.56	677.43	675.55	3.74	3.73	108.68	-12.06	186.92	194.25	185.87	8.37	23.196	
800.00	799.45	776.54	773.87	3.88	3.90	108.71	-9.77	199.20	207.57	198.92	8.66	23.982	
900.00	899.35	875.65	872.18	4.04	4.08	108.73	-7.47	211.47	220.90	211.93	8.97	24.632	
1,000.00	999.24	974.76	970.50	4.21	4.28	108.74	-5.17	223.75	234.23	224.92	9.31	25.164	
1,100.00	1,099.13	1,073.86	1,068.82	4.39	4.50	108.76	-2.87	236.03	247.56	237.89	9.67	25.593	
1,200.00	1,199.03	1,172.97	1,167.14	4.58	4.73	108.77	-0.58	248.31	260.89	250.83	10.06	25.935	
1,300.00	1,298.92	1,272.08	1,265.46	4.78	4.97	108.78	1.72	260.58	274.21	263.75	10.46	26.204	
1,400.00	1,398.81	1,371.19	1,363.77	4.98	5.22	108.80	4.02	272.86	287.54	276.66	10.89	26.414	
1,500.00	1,498.70	1,470.30	1,462.09	5.20	5.48	108.81	6.32	285.14	300.87	289.55	11.32	26.573	
1,600.00	1,598.60	1,569.40	1,560.41	5.42	5.75	108.81	8.61	297.41	314.20	302.43	11.77	26.691	
1,700.00	1,698.49	1,668.51	1,658.73	5.64	6.02	108.82	10.91	309.69	327.53	315.30	12.23	26.776	
1,800.00	1,798.38	1,767.62	1,757.04	5.88	6.30	108.83	13.21	321.97	340.86	328.15	12.70	26.834	
1,900.00	1,898.28	1,866.73	1,855.36	6.11	6.49	108.84	15.51	334.24	354.18	341.46	12.72	27.846	
2,000.00	1,998.17	1,965.83	1,953.68	6.35	6.56	108.85	17.80	346.52	367.51	354.50	13.01	28.253	
2,100.00	2,098.06	2,064.94	2,052.00	6.59	6.60	108.85	20.10	358.80	380.84	367.57	13.27	28.695	
2,200.00	2,197.96	2,164.05	2,150.31	6.83	6.65	108.86	22.40	371.08	394.17	380.62	13.55	29.085	
2,300.00	2,297.85	2,263.16	2,248.63	7.08	6.72	108.86	24.70	383.35	407.50	393.65	13.85	29.424	
2,400.00	2,397.74	2,362.27	2,346.95	7.33	6.79	108.87	27.00	395.63	420.83	406.66	14.16	29.716	
2,500.00	2,497.63	2,461.37	2,445.27	7.58	6.89	108.87	29.29	407.91	434.15	419.67	14.49	29.966	
2,600.00	2,597.53	2,560.48	2,543.58	7.84	6.99	108.88	31.59	420.18	447.48	432.65	14.83	30.175	
2,700.00	2,697.42	2,659.59	2,641.90	8.09	7.10	108.88	33.89	432.46	460.81	445.63	15.18	30.347	
2,800.00	2,797.31	2,758.70	2,740.22	8.35	7.23	108.89	36.19	444.74	474.14	458.59	15.55	30.487	
2,900.00	2,897.21	2,857.80	2,838.54	8.61	7.37	108.89	38.48	457.01	487.47	471.53	15.93	30.597	
3,000.00	2,997.10	2,956.91	2,936.85	8.87	7.52	108.89	40.78	469.29	500.80	484.47	16.32	30.680	
3,100.00	3,096.99	3,056.02	3,035.17	9.13	7.67	108.90	43.08	481.57	514.12	497.40	16.73	30.739	
3,200.00	3,196.89	3,155.13	3,133.49	9.39	7.84	108.90	45.38	493.85	527.45	510.31	17.14	30.778	
3,300.00	3,296.78	3,254.24	3,231.81	9.65	8.01	108.90	47.67	506.12	540.78	523.22	17.56	30.798	
3,400.00	3,396.67	3,353.34	3,330.13	9.92	8.19	108.91	49.97	518.40	554.11	536.12	17.99	30.803	
3,500.00	3,496.57	3,452.45	3,428.44	10.18	8.38	108.91	52.27	530.68	567.44	549.01	18.43	30.793	
3,600.00	3,596.46	3,551.56	3,526.76	10.45	8.58	108.91	54.57	542.95	580.76	561.89	18.87	30.771	
3,700.00	3,696.35	3,650.67	3,625.08	10.71	8.78	108.91	56.86	555.23	594.09	574.77	19.33	30.739	
3,800.00	3,796.24	3,749.77	3,723.40	10.98	8.99	108.92	59.16	567.51	607.42	587.63	19.79	30.697	
3,900.00	3,896.14	3,848.88	3,821.71	11.25	9.20	108.92	61.46	579.78	620.75	600.50	20.25	30.649	
4,000.00	3,996.03	3,947.99	3,920.03	11.52	9.42	108.92	63.76	592.06	634.08	613.35	20.73	30.594	
4,100.00	4,095.92	4,047.10	4,018.35	11.79	9.65	108.92	66.06	604.34	647.41	626.20	21.20	30.533	
4,200.00	4,195.82	4,146.21	4,116.67	12.06	9.87	108.93	68.35	616.62	660.73	639.05	21.69	30.469	
4,300.00	4,295.71	4,245.31	4,214.98	12.33	10.11	108.93	70.65	628.89	674.06	651.89	22.17	30.400	
4,400.00	4,395.60	4,344.42	4,313.30	12.60	10.34	108.93	72.95	641.17	687.39	664.73	22.66	30.329	
4,500.00	4,495.50	4,443.53	4,411.62	12.87	10.58	108.93	75.25	653.45	700.72	677.56	23.16	30.255	
4,600.00	4,595.39	4,542.64	4,509.94	13.14	10.83	108.93	77.54	665.72	714.05	690.39	23.66	30.180	
4,700.00	4,695.28	4,641.74	4,608.25	13.41	11.07	108.93	79.84	678.00	727.38	703.21	24.16	30.103	
4,800.00	4,795.18	4,740.85	4,706.57	13.68	11.32	108.94	82.14	690.28	740.70	716.04	24.67	30.026	
4,900.00	4,895.07	4,839.96	4,804.89	13.95	11.58	108.94	84.44	702.55	754.03	728.85	25.18	29.948	
5,000.00	4,994.96	4,939.07	4,903.21	14.23	11.83	108.94	86.73	714.83	767.36	741.67	25.69	29.869	
5,100.00	5,094.85	5,038.18	5,001.52	14.50	12.09	108.94	89.03	727.11	780.69	754.48	26.21	29.791	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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							
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	5,194.75	5,137.28	5,099.84	14.77	12.35	108.94	91.33	739.39	794.02	767.29	26.72	29.713	
5,300.00	5,294.64	5,236.39	5,198.16	15.05	12.61	108.94	93.63	751.66	807.35	780.10	27.24	29.635	
5,400.00	5,394.53	5,335.50	5,296.48	15.32	12.87	108.94	95.92	763.94	820.67	792.91	27.77	29.557	
5,500.00	5,494.43	5,434.61	5,394.80	15.59	13.14	108.95	98.22	776.22	834.00	805.71	28.29	29.481	
5,600.00	5,594.32	5,533.71	5,493.11	15.87	13.41	108.95	100.52	788.49	847.33	818.51	28.82	29.405	
5,700.00	5,694.21	5,632.82	5,591.43	16.14	13.68	108.95	102.82	800.77	860.66	831.31	29.34	29.329	
5,800.00	5,794.11	5,731.93	5,689.75	16.42	13.95	108.95	105.12	813.05	873.99	844.11	29.87	29.255	
5,900.00	5,894.00	5,831.04	5,788.07	16.69	14.22	108.95	107.41	825.32	887.32	856.91	30.41	29.182	
6,000.00	5,993.89	5,930.15	5,886.38	16.97	14.49	108.95	109.71	837.60	900.64	869.70	30.94	29.110	
6,100.00	6,093.79	6,029.25	5,984.70	17.24	14.77	108.95	112.01	849.88	913.97	882.50	31.47	29.039	
6,200.00	6,193.68	6,128.36	6,083.02	17.52	15.05	108.95	114.31	862.16	927.30	895.29	32.01	28.969	
6,300.00	6,293.57	6,227.47	6,181.34	17.79	15.32	108.96	116.60	874.43	940.63	908.08	32.55	28.900	
6,400.00	6,393.46	6,327.36	6,281.23	18.07	15.60	108.96	118.90	886.55	953.73	920.18	33.08	28.830	
6,500.00	6,493.36	6,427.26	6,381.13	18.35	15.87	108.96	121.20	898.67	966.83	933.28	33.61	28.760	
6,600.00	6,593.25	6,527.15	6,481.02	18.62	16.14	108.96	123.50	910.79	979.93	946.38	34.14	28.690	
6,700.00	6,692.89	6,626.79	6,581.66	18.87	16.41	108.96	125.80	922.91	993.03	959.48	34.67	28.620	
6,800.00	6,792.78	6,726.68	6,681.55	19.14	16.68	108.96	128.10	935.03	1006.13	971.58	35.20	28.550	
6,900.00	6,892.67	6,826.57	6,781.44	19.41	16.95	108.96	130.40	947.15	1019.23	984.68	35.73	28.480	
7,000.00	6,992.56	6,926.46	6,881.33	19.68	17.22	108.96	132.70	959.27	1032.33	997.78	36.26	28.410	
7,100.00	7,092.45	7,026.35	6,981.22	19.95	17.49	108.96	135.00	971.39	1045.43	1010.88	36.79	28.340	
7,200.00	7,192.34	7,126.24	7,081.11	20.22	17.76	108.96	137.30	983.51	1058.53	1023.98	37.32	28.270	
7,300.00	7,292.23	7,226.13	7,181.00	20.49	18.03	108.96	139.60	995.63	1071.63	1037.08	37.85	28.200	
7,400.00	7,392.12	7,326.02	7,280.89	20.76	18.30	108.96	141.90	1007.75	1084.73	1050.18	38.38	28.130	
7,500.00	7,492.01	7,425.91	7,380.78	21.03	18.57	108.96	144.20	1019.87	1097.83	1063.28	38.91	28.060	
7,600.00	7,591.90	7,525.80	7,480.67	21.30	18.84	108.96	146.50	1031.99	1110.93	1076.38	39.44	27.990	
7,700.00	7,691.79	7,625.69	7,580.56	21.57	19.11	108.96	148.80	1044.11	1124.03	1089.48	39.97	27.920	
7,800.00	7,791.68	7,725.58	7,680.45	21.84	19.38	108.96	151.10	1056.23	1137.13	1102.58	40.50	27.850	
7,900.00	7,891.57	7,825.47	7,780.34	22.11	19.65	108.96	153.40	1068.35	1150.23	1115.68	41.03	27.780	
8,000.00	7,991.46	7,925.36	7,880.23	22.38	19.92	108.96	155.70	1080.47	1163.33	1128.78	41.56	27.710	
8,100.00	8,091.35	8,025.25	7,980.12	22.65	20.19	108.96	158.00	1092.59	1176.43	1141.88	42.09	27.640	
8,200.00	8,191.24	8,125.14	8,080.01	22.92	20.46	108.96	160.30	1104.71	1189.53	1154.98	42.62	27.570	
8,300.00	8,291.13	8,225.03	8,179.90	23.19	20.73	108.96	162.60	1116.83	1202.63	1168.08	43.15	27.500	
8,400.00	8,391.02	8,324.92	8,279.79	23.46	21.00	108.96	164.90	1128.95	1215.73	1181.18	43.68	27.430	
8,500.00	8,490.91	8,424.81	8,379.68	23.73	21.27	108.96	167.20	1141.07	1228.83	1194.28	44.21	27.360	
8,600.00	8,590.80	8,524.70	8,479.57	24.00	21.54	108.96	169.50	1153.19	1241.93	1207.38	44.74	27.290	
8,700.00	8,690.69	8,624.59	8,579.46	24.27	21.81	108.96	171.80	1165.31	1255.03	1220.48	45.27	27.220	
8,800.00	8,790.58	8,724.48	8,679.35	24.54	22.08	108.96	174.10	1177.43	1268.13	1233.58	45.80	27.150	
8,900.00	8,890.47	8,824.37	8,779.24	24.81	22.35	108.96	176.40	1189.55	1281.23	1246.68	46.33	27.080	
9,000.00	8,990.36	8,924.26	8,879.13	25.08	22.62	108.96	178.70	1201.67	1294.33	1259.78	46.86	27.010	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 5C-30-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	136.45	-158.83	151.01	219.16				
100.00	100.00	101.00	99.00	3.28	3.28	136.45	-158.83	151.01	219.16	211.63	7.53	29.109	
200.00	200.00	199.00	199.00	3.31	3.30	136.45	-158.83	151.01	219.16	211.59	7.57	28.937	CC, ES, SF
300.00	299.98	291.92	291.91	3.35	3.34	146.20	-160.02	151.88	222.18	214.53	7.65	29.026	
400.00	399.88	384.27	384.15	3.42	3.40	146.88	-163.62	154.50	230.67	222.89	7.77	29.675	
500.00	499.77	475.98	475.56	3.51	3.47	147.63	-169.56	158.83	242.52	234.60	7.92	30.617	
600.00	599.67	566.89	565.89	3.62	3.56	148.36	-177.79	164.83	257.57	249.47	8.10	31.791	
700.00	699.56	656.82	654.88	3.74	3.69	149.06	-188.20	172.42	275.76	267.45	8.31	33.174	
800.00	799.45	745.61	742.32	3.88	3.85	149.70	-200.69	181.53	297.04	288.49	8.55	34.743	
900.00	899.35	837.95	832.78	4.04	4.05	150.31	-215.67	192.46	321.00	312.16	8.83	36.333	
1,000.00	999.24	934.89	927.67	4.21	4.29	150.86	-231.69	204.14	345.36	336.19	9.17	37.660	
1,100.00	1,099.13	1,031.83	1,022.55	4.39	4.56	151.34	-247.71	215.82	369.75	360.21	9.53	38.782	
1,200.00	1,199.03	1,128.76	1,117.44	4.58	4.85	151.76	-263.72	227.50	394.16	384.24	9.92	39.726	
1,300.00	1,298.92	1,225.70	1,212.33	4.78	5.16	152.13	-279.74	239.17	418.59	408.26	10.33	40.516	
1,400.00	1,398.81	1,322.64	1,307.22	4.98	5.48	152.46	-295.76	250.85	443.03	432.27	10.76	41.176	
1,500.00	1,498.70	1,419.57	1,402.11	5.20	5.82	152.76	-311.77	262.53	467.49	456.28	11.20	41.735	
1,600.00	1,598.60	1,516.51	1,497.00	5.42	6.16	153.03	-327.79	274.21	491.95	480.29	11.66	42.193	
1,700.00	1,698.49	1,613.45	1,591.88	5.64	6.52	153.27	-343.81	285.89	516.43	504.30	12.13	42.574	
1,800.00	1,798.38	1,710.38	1,686.77	5.88	6.88	153.49	-359.82	297.57	540.91	528.30	12.61	42.891	
1,900.00	1,898.28	1,807.32	1,781.66	6.11	7.24	153.69	-375.84	309.25	565.40	552.52	12.88	43.885	
2,000.00	1,998.17	1,904.26	1,876.55	6.35	7.44	153.87	-391.86	320.93	589.90	576.82	13.07	45.126	
2,100.00	2,098.06	2,001.19	1,971.44	6.59	7.48	154.04	-407.87	332.61	614.40	601.08	13.32	46.121	
2,200.00	2,197.96	2,101.87	2,066.32	6.83	7.55	154.20	-423.89	344.29	638.90	625.31	13.59	47.007	
2,300.00	2,297.85	2,204.93	2,161.21	7.08	7.64	154.34	-439.91	355.97	663.41	649.53	13.88	47.786	
2,400.00	2,397.74	2,308.00	2,256.10	7.33	7.75	154.48	-455.92	367.65	687.93	673.73	14.19	48.466	
2,500.00	2,497.63	2,388.94	2,350.99	7.58	7.84	154.60	-471.94	379.33	712.44	697.94	14.50	49.121	
2,600.00	2,597.53	2,485.88	2,445.88	7.84	7.97	154.72	-487.96	391.01	736.96	722.12	14.84	49.653	
2,700.00	2,697.42	2,582.81	2,540.76	8.09	8.12	154.83	-503.97	402.69	761.49	746.29	15.20	50.111	
2,800.00	2,797.31	2,679.75	2,635.65	8.35	8.27	154.93	-519.99	414.37	786.01	770.45	15.56	50.500	
2,900.00	2,897.21	2,776.69	2,730.54	8.61	8.44	155.03	-536.01	426.05	810.54	794.59	15.95	50.826	
3,000.00	2,997.10	2,873.62	2,825.43	8.87	8.63	155.12	-552.03	437.73	835.07	818.73	16.34	51.097	
3,100.00	3,096.99	2,970.56	2,920.32	9.13	8.82	155.20	-568.04	449.41	859.60	842.85	16.75	51.317	
3,200.00	3,196.89	3,067.50	3,015.21	9.39	9.02	155.28	-584.06	461.09	884.13	866.96	17.17	51.492	
3,300.00	3,296.78	3,164.43	3,110.09	9.65	9.24	155.36	-600.08	472.77	908.67	891.07	17.60	51.627	
3,400.00	3,396.67	3,261.37	3,204.98	9.92	9.46	155.43	-616.09	484.45	933.20	915.16	18.04	51.728	
3,500.00	3,496.57	3,358.31	3,299.87	10.18	9.69	155.50	-632.11	496.13	957.74	939.25	18.49	51.797	
3,600.00	3,596.46	3,455.24	3,394.76	10.45	9.93	155.57	-648.13	507.81	982.28	963.33	18.95	51.839	
3,700.00	3,696.35	3,552.18	3,489.65	10.71	10.18	155.63	-664.14	519.49	1,006.82	987.40	19.41	51.858	
3,800.00	3,796.24	3,649.12	3,584.53	10.98	10.43	155.69	-680.16	531.17	1,031.36	1,011.47	19.89	51.857	
3,900.00	3,896.14	3,746.05	3,679.42	11.25	10.69	155.74	-696.18	542.85	1,055.90	1,035.53	20.37	51.838	
4,000.00	3,996.03	3,842.99	3,774.31	11.52	10.96	155.80	-712.19	554.53	1,080.44	1,059.59	20.86	51.804	
4,100.00	4,095.92	3,939.93	3,869.20	11.79	11.23	155.85	-728.21	566.21	1,104.99	1,083.64	21.35	51.756	
4,200.00	4,195.82	4,036.86	3,964.09	12.06	11.50	155.90	-744.23	577.89	1,129.53	1,107.68	21.85	51.698	
4,300.00	4,295.71	4,133.80	4,058.97	12.33	11.79	155.95	-760.24	589.57	1,154.08	1,131.72	22.35	51.631	
4,400.00	4,395.60	4,230.74	4,153.86	12.60	12.07	155.99	-776.26	601.25	1,178.62	1,155.76	22.86	51.556	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 5N-30B-M - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	139.83	-178.86	151.01	234.08				
100.00	100.00	101.00	99.00	3.28	3.28	139.83	-178.86	151.01	234.08	226.56	7.53	31.091	
200.00	200.00	199.00	199.00	3.31	3.30	139.83	-178.86	151.01	234.08	226.51	7.57	30.908	CC, ES, SF
300.00	299.98	291.47	291.46	3.35	3.34	149.54	-180.08	151.81	237.16	229.50	7.65	30.983	
400.00	399.88	383.36	383.24	3.42	3.39	150.11	-183.75	154.25	245.76	237.99	7.77	31.618	
500.00	499.77	474.62	474.20	3.51	3.47	150.75	-189.83	158.28	257.72	249.80	7.92	32.538	
600.00	599.67	565.08	564.09	3.62	3.56	151.37	-198.22	163.85	272.84	264.74	8.10	33.683	
700.00	699.56	654.57	652.66	3.74	3.69	151.97	-208.86	170.90	291.08	282.77	8.31	35.028	
800.00	799.45	742.93	739.69	3.88	3.84	152.53	-221.61	179.36	312.40	303.85	8.55	36.553	
900.00	899.35	830.03	824.96	4.04	4.03	153.03	-236.37	189.14	336.72	327.91	8.81	38.235	
1,000.00	999.24	924.32	916.87	4.21	4.27	153.52	-253.95	200.80	363.08	353.94	9.13	39.755	
1,100.00	1,099.13	1,020.72	1,010.81	4.39	4.55	153.95	-271.96	212.75	389.52	380.02	9.50	41.016	
1,200.00	1,199.03	1,117.12	1,104.76	4.58	4.85	154.33	-289.98	224.70	415.98	406.09	9.89	42.077	
1,300.00	1,298.92	1,213.53	1,198.70	4.78	5.18	154.67	-308.00	236.64	442.45	432.16	10.30	42.966	
1,400.00	1,398.81	1,309.93	1,292.65	4.98	5.52	154.96	-326.02	248.59	468.94	458.21	10.73	43.717	
1,500.00	1,498.70	1,406.33	1,386.59	5.20	5.87	155.23	-344.04	260.54	495.44	484.26	11.18	44.331	
1,600.00	1,598.60	1,502.73	1,480.54	5.42	6.24	155.46	-362.06	272.49	521.95	510.31	11.64	44.852	
1,700.00	1,698.49	1,600.87	1,574.49	5.64	6.62	155.68	-380.07	284.44	548.46	536.34	12.12	45.265	
1,800.00	1,798.38	1,704.47	1,668.43	5.88	7.03	155.87	-398.09	296.39	574.98	562.36	12.62	45.550	
1,900.00	1,898.28	1,808.06	1,762.38	6.11	7.44	156.05	-416.11	308.34	601.51	588.59	12.92	46.555	
2,000.00	1,998.17	1,888.34	1,856.32	6.35	7.62	156.21	-434.13	320.29	628.04	614.95	13.09	47.967	
2,100.00	2,098.06	1,984.74	1,950.27	6.59	7.69	156.36	-452.15	332.23	654.57	641.22	13.36	49.007	
2,200.00	2,197.96	2,081.14	2,044.22	6.83	7.76	156.50	-470.16	344.18	681.11	667.49	13.62	49.998	
2,300.00	2,297.85	2,177.54	2,138.16	7.08	7.85	156.63	-488.18	356.13	707.66	693.75	13.91	50.881	
2,400.00	2,397.74	2,273.94	2,232.11	7.33	7.95	156.74	-506.20	368.08	734.20	719.99	14.21	51.662	
2,500.00	2,497.63	2,370.34	2,326.05	7.58	8.07	156.85	-524.22	380.03	760.75	746.22	14.53	52.346	
2,600.00	2,597.53	2,466.75	2,420.00	7.84	8.20	156.96	-542.24	391.98	787.30	772.43	14.87	52.941	
2,700.00	2,697.42	2,563.15	2,513.95	8.09	8.35	157.05	-560.26	403.93	813.86	798.63	15.23	53.453	
2,800.00	2,797.31	2,659.55	2,607.89	8.35	8.52	157.14	-578.27	415.88	840.41	824.82	15.60	53.888	
2,900.00	2,897.21	2,755.95	2,701.84	8.61	8.70	157.23	-596.29	427.82	866.97	850.99	15.98	54.255	
3,000.00	2,997.10	2,852.35	2,795.78	8.87	8.89	157.31	-614.31	439.77	893.53	877.15	16.38	54.559	
3,100.00	3,096.99	2,948.75	2,889.73	9.13	9.09	157.38	-632.33	451.72	920.09	903.30	16.79	54.807	
3,200.00	3,196.89	3,045.16	2,983.68	9.39	9.30	157.45	-650.35	463.67	946.65	929.44	17.21	55.005	
3,300.00	3,296.78	3,141.56	3,077.62	9.65	9.53	157.52	-668.36	475.62	973.21	955.57	17.64	55.158	
3,400.00	3,396.67	3,237.96	3,171.57	9.92	9.76	157.58	-686.38	487.57	999.77	981.69	18.09	55.273	
3,500.00	3,496.57	3,334.36	3,265.51	10.18	10.00	157.64	-704.40	499.52	1,026.34	1,007.80	18.54	55.353	
3,600.00	3,596.46	3,430.76	3,359.46	10.45	10.25	157.70	-722.42	511.47	1,052.91	1,033.90	19.00	55.404	
3,700.00	3,696.35	3,527.16	3,453.41	10.71	10.51	157.75	-740.44	523.41	1,079.47	1,060.00	19.48	55.428	
3,800.00	3,796.24	3,623.57	3,547.35	10.98	10.77	157.80	-758.46	535.36	1,106.04	1,086.09	19.95	55.430	
3,900.00	3,896.14	3,719.97	3,641.30	11.25	11.04	157.85	-776.47	547.31	1,132.61	1,112.17	20.44	55.412	
4,000.00	3,996.03	3,816.37	3,735.24	11.52	11.32	157.90	-794.49	559.26	1,159.18	1,138.25	20.93	55.378	
4,100.00	4,095.92	3,912.77	3,829.19	11.79	11.60	157.94	-812.51	571.21	1,185.75	1,164.32	21.43	55.329	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 5N-30C-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	132.64	-138.79	150.73	204.90				
100.00	100.00	101.00	99.00	3.28	3.28	132.64	-138.79	150.73	204.90	197.37	7.53	27.214	
200.00	200.00	199.00	199.00	3.31	3.30	132.64	-138.79	150.73	204.90	197.32	7.57	27.054	CC, ES, SF
300.00	299.98	292.31	292.29	3.35	3.34	142.40	-139.87	151.76	207.87	200.21	7.66	27.154	
400.00	399.88	385.06	384.93	3.42	3.40	143.11	-143.10	154.86	216.23	208.46	7.77	27.816	
500.00	499.77	477.19	476.76	3.51	3.47	143.84	-148.46	160.00	227.99	220.07	7.92	28.777	
600.00	599.67	568.52	567.50	3.62	3.57	144.51	-155.88	167.11	242.96	234.85	8.10	29.980	
700.00	699.56	658.88	656.92	3.74	3.70	145.11	-165.26	176.11	261.09	252.77	8.32	31.397	
800.00	799.45	751.61	748.26	3.88	3.86	145.64	-176.81	187.19	282.07	273.50	8.57	32.920	
900.00	899.35	849.23	844.32	4.04	4.06	146.13	-189.35	199.21	303.63	294.75	8.87	34.215	
1,000.00	999.24	946.85	940.38	4.21	4.30	146.55	-201.89	211.24	325.20	315.99	9.21	35.311	
1,100.00	1,099.13	1,044.47	1,036.44	4.39	4.55	146.92	-214.43	223.26	346.79	337.21	9.57	36.230	
1,200.00	1,199.03	1,142.09	1,132.51	4.58	4.82	147.25	-226.96	235.28	368.39	358.43	9.96	36.998	
1,300.00	1,298.92	1,239.71	1,228.57	4.78	5.11	147.54	-239.50	247.31	390.00	379.63	10.36	37.634	
1,400.00	1,398.81	1,337.33	1,324.63	4.98	5.41	147.80	-252.04	259.33	411.61	400.83	10.79	38.161	
1,500.00	1,498.70	1,434.95	1,420.69	5.20	5.72	148.03	-264.58	271.35	433.24	422.02	11.22	38.601	
1,600.00	1,598.60	1,532.57	1,516.75	5.42	6.04	148.24	-277.11	283.38	454.87	443.20	11.68	38.956	
1,700.00	1,698.49	1,630.19	1,612.81	5.64	6.37	148.43	-289.65	295.40	476.51	464.37	12.14	39.248	
1,800.00	1,798.38	1,727.81	1,708.87	5.88	6.71	148.61	-302.19	307.42	498.15	485.54	12.62	39.485	
1,900.00	1,898.28	1,825.43	1,804.93	6.11	7.01	148.77	-314.73	319.44	519.80	507.11	12.69	40.971	
2,000.00	1,998.17	1,923.04	1,901.00	6.35	7.16	148.92	-327.26	331.47	541.45	528.42	13.02	41.578	
2,100.00	2,098.06	2,020.66	1,997.06	6.59	7.20	149.05	-339.80	343.49	563.10	549.82	13.28	42.416	
2,200.00	2,197.96	2,118.28	2,093.12	6.83	7.26	149.18	-352.34	355.51	584.76	571.21	13.55	43.165	
2,300.00	2,297.85	2,215.90	2,189.18	7.08	7.34	149.30	-364.88	367.54	606.41	592.58	13.84	43.829	
2,400.00	2,397.74	2,313.52	2,285.24	7.33	7.43	149.41	-377.41	379.56	628.07	613.93	14.14	44.413	
2,500.00	2,497.63	2,411.14	2,381.30	7.58	7.54	149.51	-389.95	391.58	649.74	635.27	14.46	44.921	
2,600.00	2,597.53	2,508.76	2,477.36	7.84	7.66	149.60	-402.49	403.61	671.40	656.60	14.80	45.360	
2,700.00	2,697.42	2,606.38	2,573.42	8.09	7.79	149.69	-415.02	415.63	693.07	677.91	15.15	45.734	
2,800.00	2,797.31	2,704.00	2,669.49	8.35	7.94	149.78	-427.56	427.65	714.73	699.21	15.52	46.049	
2,900.00	2,897.21	2,801.62	2,765.55	8.61	8.10	149.86	-440.10	439.68	736.40	720.50	15.90	46.311	
3,000.00	2,997.10	2,900.76	2,861.61	8.87	8.27	149.93	-452.64	451.70	758.07	741.78	16.30	46.519	
3,100.00	3,096.99	3,003.14	2,957.67	9.13	8.46	150.00	-465.17	463.72	779.74	763.04	16.71	46.668	
3,200.00	3,196.89	3,105.53	3,053.73	9.39	8.66	150.07	-477.71	475.75	801.42	784.28	17.13	46.777	
3,300.00	3,296.78	3,207.91	3,149.79	9.65	8.87	150.13	-490.25	487.77	823.09	805.52	17.57	46.852	
3,400.00	3,396.67	3,289.71	3,245.85	9.92	9.05	150.19	-502.79	499.79	844.76	826.79	17.98	46.996	
3,500.00	3,496.57	3,387.33	3,341.91	10.18	9.27	150.25	-515.32	511.81	866.44	848.02	18.42	47.039	
3,600.00	3,596.46	3,484.95	3,437.98	10.45	9.49	150.30	-527.86	523.84	888.11	869.24	18.87	47.059	
3,700.00	3,696.35	3,582.57	3,534.04	10.71	9.72	150.35	-540.40	535.86	909.79	890.46	19.33	47.059	
3,800.00	3,796.24	3,680.19	3,630.10	10.98	9.96	150.40	-552.94	547.88	931.47	911.67	19.80	47.043	
3,900.00	3,896.14	3,777.81	3,726.16	11.25	10.21	150.45	-565.47	559.91	953.15	932.87	20.27	47.011	
4,000.00	3,996.03	3,875.43	3,822.22	11.52	10.46	150.49	-578.01	571.93	974.82	954.07	20.76	46.967	
4,100.00	4,095.92	3,973.05	3,918.28	11.79	10.71	150.54	-590.55	583.95	996.50	975.26	21.24	46.912	
4,200.00	4,195.82	4,070.67	4,014.34	12.06	10.97	150.58	-603.09	595.98	1,018.18	996.45	21.73	46.848	
4,300.00	4,295.71	4,168.29	4,110.40	12.33	11.24	150.62	-615.62	608.00	1,039.86	1,017.63	22.23	46.777	
4,400.00	4,395.60	4,265.91	4,206.47	12.60	11.51	150.66	-628.16	620.02	1,061.54	1,038.81	22.73	46.699	
4,500.00	4,495.50	4,363.52	4,302.53	12.87	11.78	150.69	-640.70	632.05	1,083.22	1,059.99	23.24	46.615	
4,600.00	4,595.39	4,461.14	4,398.59	13.14	12.06	150.73	-653.24	644.07	1,104.90	1,081.16	23.75	46.528	
4,700.00	4,695.28	4,558.76	4,494.65	13.41	12.34	150.76	-665.77	656.09	1,126.59	1,102.33	24.26	46.437	
4,800.00	4,795.18	4,656.38	4,590.71	13.68	12.62	150.79	-678.31	668.11	1,148.27	1,123.49	24.78	46.343	
4,900.00	4,895.07	4,754.00	4,686.77	13.95	12.91	150.82	-690.85	680.14	1,169.95	1,144.65	25.30	46.246	
5,000.00	4,994.96	4,851.62	4,782.83	14.23	13.20	150.85	-703.39	692.16	1,191.63	1,165.81	25.82	46.148	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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							
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	179.66	-139.89	0.84	139.89				
100.00	100.00	100.00	100.00	3.28	3.28	179.66	-139.89	0.84	139.89	132.36	7.53	18.580	
200.00	200.00	200.00	200.00	3.31	3.31	179.66	-139.89	0.84	139.89	132.31	7.57	18.470	CC, ES, SF
300.00	299.98	295.25	295.23	3.35	3.34	-170.89	-141.46	0.72	143.27	135.61	7.66	18.712	
400.00	399.88	389.94	389.81	3.42	3.40	-170.98	-146.16	0.36	152.60	144.82	7.78	19.622	
500.00	499.77	483.93	483.47	3.51	3.47	-170.99	-153.90	-0.22	165.38	157.45	7.93	20.861	
600.00	599.67	578.01	576.92	3.62	3.57	-170.92	-164.67	-1.03	181.33	173.22	8.11	22.349	
700.00	699.56	676.55	674.67	3.74	3.71	-170.83	-177.04	-1.96	198.39	190.04	8.35	23.752	
800.00	799.45	775.08	772.42	3.88	3.87	-170.75	-189.40	-2.89	215.45	206.82	8.63	24.978	
900.00	899.35	873.62	870.17	4.04	4.05	-170.69	-201.77	-3.82	232.51	223.58	8.93	26.037	
1,000.00	999.24	972.15	967.93	4.21	4.25	-170.63	-214.13	-4.75	249.57	240.31	9.26	26.945	
1,100.00	1,099.13	1,070.68	1,065.68	4.39	4.47	-170.58	-226.50	-5.68	266.63	257.01	9.62	27.719	
1,200.00	1,199.03	1,169.22	1,163.43	4.58	4.70	-170.54	-238.87	-6.61	283.69	273.69	10.00	28.376	
1,300.00	1,298.92	1,267.75	1,261.18	4.78	4.94	-170.50	-251.23	-7.54	300.75	290.36	10.39	28.932	
1,400.00	1,398.81	1,366.28	1,358.93	4.98	5.20	-170.47	-263.60	-8.47	317.81	307.00	10.81	29.403	
1,500.00	1,498.70	1,464.82	1,456.68	5.20	5.46	-170.44	-275.96	-9.40	334.87	323.63	11.24	29.800	
1,600.00	1,598.60	1,563.35	1,554.43	5.42	5.73	-170.41	-288.33	-10.33	351.93	340.25	11.68	30.133	
1,700.00	1,698.49	1,661.89	1,652.18	5.64	6.01	-170.38	-300.70	-11.26	368.99	356.86	12.13	30.414	
1,800.00	1,798.38	1,760.42	1,749.93	5.88	6.29	-170.36	-313.06	-12.19	386.06	373.46	12.60	30.650	
1,900.00	1,898.28	1,858.95	1,847.68	6.11	6.50	-170.34	-325.43	-13.12	403.12	390.50	12.62	31.954	
2,000.00	1,998.17	1,957.49	1,945.43	6.35	6.58	-170.32	-337.79	-14.04	420.18	407.27	12.91	32.551	
2,100.00	2,098.06	2,056.02	2,043.18	6.59	6.62	-170.30	-350.16	-14.97	437.24	424.07	13.17	33.207	
2,200.00	2,197.96	2,154.55	2,140.93	6.83	6.67	-170.29	-362.52	-15.90	454.30	440.86	13.44	33.795	
2,300.00	2,297.85	2,253.09	2,238.68	7.08	6.74	-170.27	-374.89	-16.83	471.36	457.63	13.73	34.319	
2,400.00	2,397.74	2,351.62	2,336.43	7.33	6.82	-170.26	-387.26	-17.76	488.42	474.38	14.04	34.782	
2,500.00	2,497.63	2,450.15	2,434.18	7.58	6.91	-170.24	-399.62	-18.69	505.48	491.12	14.37	35.188	
2,600.00	2,597.53	2,548.69	2,531.93	7.84	7.02	-170.23	-411.99	-19.62	522.55	507.84	14.70	35.542	
2,700.00	2,697.42	2,647.22	2,629.68	8.09	7.14	-170.22	-424.35	-20.55	539.61	524.55	15.05	35.847	
2,800.00	2,797.31	2,745.76	2,727.43	8.35	7.27	-170.21	-436.72	-21.48	556.67	541.25	15.42	36.107	
2,900.00	2,897.21	2,844.29	2,825.18	8.61	7.41	-170.20	-449.09	-22.41	573.73	557.94	15.79	36.327	
3,000.00	2,997.10	2,942.82	2,922.93	8.87	7.56	-170.19	-461.45	-23.34	590.79	574.61	16.18	36.510	
3,100.00	3,096.99	3,041.36	3,020.68	9.13	7.73	-170.18	-473.82	-24.27	607.85	591.27	16.58	36.661	
3,200.00	3,196.89	3,139.89	3,118.43	9.39	7.90	-170.17	-486.18	-25.20	624.92	607.93	16.99	36.782	
3,300.00	3,296.78	3,238.42	3,216.18	9.65	8.08	-170.16	-498.55	-26.13	641.98	624.57	17.41	36.877	
3,400.00	3,396.67	3,336.96	3,313.93	9.92	8.27	-170.16	-510.91	-27.06	659.04	641.20	17.84	36.950	
3,500.00	3,496.57	3,435.49	3,411.68	10.18	8.46	-170.15	-523.28	-27.99	676.10	657.83	18.27	37.002	
3,600.00	3,596.46	3,534.03	3,509.43	10.45	8.67	-170.14	-535.65	-28.92	693.16	674.45	18.72	37.036	
3,700.00	3,696.35	3,632.56	3,607.18	10.71	8.88	-170.14	-548.01	-29.85	710.22	691.06	19.17	37.054	
3,800.00	3,796.24	3,731.09	3,704.93	10.98	9.09	-170.13	-560.38	-30.78	727.29	707.66	19.63	37.059	
3,900.00	3,896.14	3,829.63	3,802.68	11.25	9.32	-170.12	-572.74	-31.71	744.35	724.26	20.09	37.052	
4,000.00	3,996.03	3,928.16	3,900.43	11.52	9.54	-170.12	-585.11	-32.64	761.41	740.85	20.56	37.035	
4,100.00	4,095.92	4,026.69	3,998.18	11.79	9.77	-170.11	-597.48	-33.57	778.47	757.44	21.03	37.009	
4,200.00	4,195.82	4,125.23	4,095.93	12.06	10.01	-170.11	-609.84	-34.50	795.53	774.02	21.52	36.975	
4,300.00	4,295.71	4,223.76	4,193.68	12.33	10.25	-170.10	-622.21	-35.43	812.59	790.59	22.00	36.935	
4,400.00	4,395.60	4,322.30	4,291.43	12.60	10.50	-170.10	-634.57	-36.36	829.65	807.16	22.49	36.889	
4,500.00	4,495.50	4,420.83	4,389.19	12.87	10.75	-170.09	-646.94	-37.29	846.72	823.73	22.98	36.839	
4,600.00	4,595.39	4,519.36	4,486.94	13.14	11.00	-170.09	-659.30	-38.22	863.78	840.30	23.48	36.785	
4,700.00	4,695.28	4,617.90	4,584.69	13.41	11.25	-170.08	-671.67	-39.15	880.84	856.86	23.98	36.727	
4,800.00	4,795.18	4,716.43	4,682.44	13.68	11.51	-170.08	-684.04	-40.08	897.90	873.41	24.49	36.667	
4,900.00	4,895.07	4,814.96	4,780.19	13.95	11.77	-170.08	-696.40	-41.01	914.96	889.97	25.00	36.605	
5,000.00	4,994.96	4,913.50	4,877.94	14.23	12.03	-170.07	-708.77	-41.94	932.03	906.52	25.51	36.541	
5,100.00	5,094.85	5,012.03	4,975.69	14.50	12.30	-170.07	-721.13	-42.87	949.09	923.07	26.02	36.476	



# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA												<b>Offset Well Error:</b>	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,194.75	5,110.57	5,073.44	14.77	12.57	-170.06	-733.50	-43.80	966.15	939.61	26.54	36.409	
5,300.00	5,294.64	5,209.10	5,171.19	15.05	12.84	-170.06	-745.87	-44.73	983.21	956.16	27.05	36.342	
5,400.00	5,394.53	5,307.63	5,268.94	15.32	13.11	-170.06	-758.23	-45.66	1,000.27	972.70	27.57	36.275	
5,500.00	5,494.43	5,406.17	5,366.69	15.59	13.39	-170.05	-770.60	-46.59	1,017.33	989.24	28.10	36.207	
5,600.00	5,594.32	5,504.70	5,464.44	15.87	13.66	-170.05	-782.96	-47.52	1,034.40	1,005.77	28.62	36.139	
5,700.00	5,694.21	5,603.23	5,562.19	16.14	13.94	-170.05	-795.33	-48.45	1,051.46	1,022.31	29.15	36.071	
5,800.00	5,794.11	5,701.77	5,659.94	16.42	14.22	-170.05	-807.69	-49.38	1,068.52	1,038.84	29.68	36.004	
5,900.00	5,894.00	5,800.30	5,757.69	16.69	14.50	-170.04	-820.06	-50.31	1,085.58	1,055.37	30.21	35.936	
6,000.00	5,993.89	5,901.16	5,855.44	16.97	14.79	-170.04	-832.43	-51.24	1,102.64	1,071.90	30.75	35.862	
6,100.00	6,093.79	6,002.63	5,953.19	17.24	15.08	-170.04	-844.79	-52.17	1,119.70	1,088.42	31.29	35.787	
6,200.00	6,193.68	6,095.90	6,050.94	17.52	15.35	-170.03	-857.16	-53.10	1,136.77	1,104.96	31.81	35.738	
6,300.00	6,293.57	6,205.56	6,148.69	17.79	15.67	-170.03	-869.52	-54.03	1,153.83	1,121.45	32.37	35.640	
6,400.00	6,393.46	6,307.03	6,246.44	18.07	15.97	-170.03	-881.89	-54.96	1,170.89	1,137.97	32.92	35.567	
6,500.00	6,493.36	6,408.50	6,344.19	18.35	16.26	-170.03	-894.26	-55.89	1,187.95	1,154.48	33.47	35.496	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - 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	179.60	-159.93	1.11	159.93					
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-159.93	1.11	159.93	152.40	7.53	21.242		
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-159.93	1.11	159.93	152.36	7.57	21.116	CC, ES, SF	
300.00	299.98	294.62	294.60	3.35	3.34	-170.94	-161.48	1.01	163.30	155.64	7.66	21.330		
400.00	399.88	388.69	388.55	3.42	3.40	-171.04	-166.12	0.72	172.61	164.83	7.78	22.196		
500.00	499.77	482.06	481.61	3.51	3.47	-171.08	-173.77	0.23	185.34	177.41	7.93	23.383		
600.00	599.67	574.56	573.50	3.62	3.57	-171.04	-184.33	-0.44	201.27	193.16	8.11	24.822		
700.00	699.56	667.21	665.15	3.74	3.70	-170.95	-197.81	-1.30	220.31	211.98	8.32	26.463		
800.00	799.45	765.16	761.89	3.88	3.86	-170.86	-213.12	-2.28	240.42	231.82	8.60	27.960		
900.00	899.35	863.12	858.64	4.04	4.06	-170.78	-228.43	-3.26	260.54	251.63	8.90	29.260		
1,000.00	999.24	961.07	955.39	4.21	4.27	-170.71	-243.74	-4.23	280.65	271.41	9.24	30.377		
1,100.00	1,099.13	1,059.03	1,052.13	4.39	4.51	-170.64	-259.05	-5.21	300.77	291.17	9.60	31.333		
1,200.00	1,199.03	1,156.99	1,148.88	4.58	4.76	-170.59	-274.36	-6.19	320.88	310.90	9.98	32.147		
1,300.00	1,298.92	1,254.94	1,245.63	4.78	5.03	-170.54	-289.67	-7.16	341.00	330.62	10.38	32.839		
1,400.00	1,398.81	1,352.90	1,342.37	4.98	5.30	-170.50	-304.98	-8.14	361.12	350.31	10.80	33.426		
1,500.00	1,498.70	1,450.85	1,439.12	5.20	5.59	-170.47	-320.29	-9.12	381.23	370.00	11.24	33.926		
1,600.00	1,598.60	1,548.81	1,535.87	5.42	5.89	-170.43	-335.60	-10.09	401.35	389.67	11.69	34.346		
1,700.00	1,698.49	1,646.76	1,632.62	5.64	6.19	-170.40	-350.91	-11.07	421.47	409.32	12.15	34.702		
1,800.00	1,798.38	1,744.72	1,729.36	5.88	6.50	-170.38	-366.22	-12.05	441.58	428.97	12.62	35.004		
1,900.00	1,898.28	1,842.67	1,826.11	6.11	6.75	-170.35	-381.53	-13.02	461.70	449.04	12.66	36.469		
2,000.00	1,998.17	1,940.63	1,922.86	6.35	6.86	-170.33	-396.84	-14.00	481.82	468.85	12.97	37.139		
2,100.00	2,098.06	2,038.58	2,019.60	6.59	6.91	-170.31	-412.14	-14.97	501.94	488.71	13.23	37.941		
2,200.00	2,197.96	2,136.54	2,116.35	6.83	6.96	-170.29	-427.45	-15.95	522.05	508.55	13.50	38.662		
2,300.00	2,297.85	2,234.49	2,213.10	7.08	7.04	-170.27	-442.76	-16.93	542.17	528.38	13.79	39.306		
2,400.00	2,397.74	2,332.45	2,309.84	7.33	7.13	-170.25	-458.07	-17.90	562.29	548.19	14.10	39.876		
2,500.00	2,497.63	2,430.41	2,406.59	7.58	7.23	-170.24	-473.38	-18.88	582.41	567.98	14.42	40.378		
2,600.00	2,597.53	2,528.36	2,503.34	7.84	7.35	-170.22	-488.69	-19.86	602.52	587.76	14.76	40.817		
2,700.00	2,697.42	2,626.32	2,600.08	8.09	7.47	-170.21	-504.00	-20.83	622.64	607.53	15.11	41.196		
2,800.00	2,797.31	2,724.27	2,696.83	8.35	7.62	-170.19	-519.31	-21.81	642.76	627.28	15.48	41.522		
2,900.00	2,897.21	2,822.23	2,793.58	8.61	7.77	-170.18	-534.62	-22.79	662.88	647.02	15.86	41.798		
3,000.00	2,997.10	2,920.18	2,890.32	8.87	7.93	-170.17	-549.93	-23.76	683.00	666.75	16.25	42.031		
3,100.00	3,096.99	3,018.14	2,987.07	9.13	8.11	-170.16	-565.24	-24.74	703.11	686.46	16.65	42.223		
3,200.00	3,196.89	3,116.09	3,083.82	9.39	8.29	-170.15	-580.55	-25.72	723.23	706.17	17.07	42.380		
3,300.00	3,296.78	3,214.05	3,180.56	9.65	8.49	-170.14	-595.86	-26.69	743.35	725.86	17.49	42.505		
3,400.00	3,396.67	3,312.00	3,277.31	9.92	8.69	-170.13	-611.17	-27.67	763.47	745.55	17.92	42.602		
3,500.00	3,496.57	3,409.96	3,374.06	10.18	8.90	-170.12	-626.48	-28.65	783.58	765.22	18.36	42.674		
3,600.00	3,596.46	3,507.91	3,470.80	10.45	9.11	-170.12	-641.79	-29.62	803.70	784.89	18.81	42.724		
3,700.00	3,696.35	3,605.87	3,567.55	10.71	9.34	-170.11	-657.09	-30.60	823.82	804.55	19.27	42.756		
3,800.00	3,796.24	3,703.83	3,664.30	10.98	9.57	-170.10	-672.40	-31.58	843.94	824.21	19.73	42.771		
3,900.00	3,896.14	3,801.78	3,761.04	11.25	9.81	-170.09	-687.71	-32.55	864.06	843.85	20.20	42.771		
4,000.00	3,996.03	3,900.26	3,857.79	11.52	10.05	-170.09	-703.02	-33.53	884.17	863.49	20.68	42.756		
4,100.00	4,095.92	3,997.69	3,954.54	11.79	10.29	-170.08	-718.33	-34.51	904.29	883.13	21.16	42.735		
4,200.00	4,195.82	4,095.65	4,051.28	12.06	10.55	-170.07	-733.64	-35.48	924.41	902.76	21.65	42.702		
4,300.00	4,295.71	4,206.40	4,148.03	12.33	10.83	-170.07	-748.95	-36.46	944.53	922.36	22.17	42.604		
4,400.00	4,395.60	4,308.44	4,244.78	12.60	11.11	-170.06	-764.26	-37.44	964.64	941.97	22.68	42.538		
4,500.00	4,495.50	4,389.51	4,341.52	12.87	11.33	-170.06	-779.57	-38.41	984.76	961.63	23.14	42.561		
4,600.00	4,595.39	4,487.47	4,438.27	13.14	11.59	-170.05	-794.88	-39.39	1,004.88	981.24	23.64	42.503		
4,700.00	4,695.28	4,585.42	4,535.02	13.41	11.86	-170.05	-810.19	-40.37	1,025.00	1,000.85	24.15	42.441		
4,800.00	4,795.18	4,683.38	4,631.76	13.68	12.14	-170.04	-825.50	-41.34	1,045.12	1,020.45	24.66	42.375		
4,900.00	4,895.07	4,781.34	4,728.51	13.95	12.41	-170.04	-840.81	-42.32	1,065.23	1,040.06	25.18	42.307		
5,000.00	4,994.96	4,879.29	4,825.26	14.23	12.69	-170.03	-856.12	-43.30	1,085.35	1,059.66	25.70	42.237		
5,100.00	5,094.85	4,977.25	4,922.00	14.50	12.98	-170.03	-871.43	-44.27	1,105.47	1,079.25	26.22	42.165		

Hewlett-Packard  
Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 26N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	TVD Reference:	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	MD Reference:	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	SANFORD 26N-27C-XR	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-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - 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	5,194.75	5,075.20	5,018.75	14.77	13.26	-170.03	-886.74	-45.25	1,125.59	1,098.85	26.74	42.091	
5,300.00	5,294.64	5,173.16	5,115.50	15.05	13.55	-170.02	-902.04	-46.23	1,145.71	1,118.44	27.27	42.017	
5,400.00	5,394.53	5,271.11	5,212.24	15.32	13.83	-170.02	-917.35	-47.20	1,165.82	1,138.03	27.80	41.941	
5,500.00	5,494.43	5,369.07	5,308.99	15.59	14.13	-170.01	-932.66	-48.18	1,185.94	1,157.62	28.33	41.866	

# Hewlett-Packard

## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<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-29 SANFORD 21-29 PAD - SANFORD 8N-27C-XR - 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	179.65	-179.96	1.11	179.96				
100.00	100.00	100.00	100.00	3.28	3.28	179.65	-179.96	1.11	179.96	172.43	7.53	23.903	
200.00	200.00	200.00	200.00	3.31	3.31	179.65	-179.96	1.11	179.96	172.39	7.57	23.761	CC, ES, SF
300.00	299.98	293.99	293.98	3.35	3.34	-170.90	-181.50	1.03	183.32	175.67	7.66	23.946	
400.00	399.88	387.45	387.31	3.42	3.40	-171.00	-186.08	0.78	192.60	184.82	7.78	24.769	
500.00	499.77	480.21	479.77	3.51	3.47	-171.06	-193.63	0.37	205.28	197.35	7.92	25.903	
600.00	599.67	572.13	571.08	3.62	3.57	-171.05	-204.06	-0.19	221.15	213.04	8.11	27.281	
700.00	699.56	663.01	660.99	3.74	3.69	-171.00	-217.24	-0.90	240.15	231.83	8.32	28.872	
800.00	799.45	754.31	750.87	3.88	3.85	-170.92	-233.28	-1.77	262.17	253.60	8.56	30.616	
900.00	899.35	851.63	846.50	4.04	4.05	-170.84	-251.32	-2.75	285.17	276.30	8.87	32.151	
1,000.00	999.24	948.95	942.12	4.21	4.28	-170.76	-269.36	-3.73	308.17	298.96	9.21	33.476	
1,100.00	1,099.13	1,046.27	1,037.75	4.39	4.53	-170.70	-287.40	-4.70	331.17	321.60	9.57	34.610	
1,200.00	1,199.03	1,143.58	1,133.38	4.58	4.80	-170.65	-305.44	-5.68	354.17	344.21	9.95	35.577	
1,300.00	1,298.92	1,240.90	1,229.00	4.78	5.09	-170.60	-323.49	-6.66	377.17	366.80	10.36	36.399	
1,400.00	1,398.81	1,338.22	1,324.63	4.98	5.39	-170.56	-341.53	-7.64	400.17	389.38	10.79	37.097	
1,500.00	1,498.70	1,435.54	1,420.26	5.20	5.70	-170.52	-359.57	-8.61	423.17	411.94	11.23	37.696	
1,600.00	1,598.60	1,532.86	1,515.88	5.42	6.02	-170.48	-377.61	-9.59	446.17	434.49	11.68	38.197	
1,700.00	1,698.49	1,630.18	1,611.51	5.64	6.35	-170.45	-395.66	-10.57	469.17	457.02	12.15	38.624	
1,800.00	1,798.38	1,727.50	1,707.13	5.88	6.68	-170.43	-413.70	-11.54	492.17	479.55	12.62	38.986	
1,900.00	1,898.28	1,824.81	1,802.76	6.11	6.99	-170.40	-431.74	-12.52	515.17	502.48	12.70	40.572	
2,000.00	1,998.17	1,922.13	1,898.39	6.35	7.14	-170.38	-449.78	-13.50	538.18	525.14	13.03	41.288	
2,100.00	2,098.06	2,019.45	1,994.01	6.59	7.19	-170.36	-467.83	-14.48	561.18	547.89	13.29	42.233	
2,200.00	2,197.96	2,116.77	2,089.64	6.83	7.25	-170.34	-485.87	-15.45	584.18	570.62	13.56	43.085	
2,300.00	2,297.85	2,214.09	2,185.27	7.08	7.33	-170.32	-503.91	-16.43	607.18	593.33	13.85	43.846	
2,400.00	2,397.74	2,311.41	2,280.89	7.33	7.43	-170.30	-521.95	-17.41	630.18	616.03	14.15	44.523	
2,500.00	2,497.63	2,408.72	2,376.52	7.58	7.54	-170.29	-540.00	-18.38	653.18	638.71	14.48	45.119	
2,600.00	2,597.53	2,506.04	2,472.15	7.84	7.66	-170.27	-558.04	-19.36	676.19	661.37	14.82	45.640	
2,700.00	2,697.42	2,603.36	2,567.77	8.09	7.80	-170.26	-576.08	-20.34	699.19	684.02	15.17	46.092	
2,800.00	2,797.31	2,700.68	2,663.40	8.35	7.95	-170.25	-594.12	-21.32	722.19	706.65	15.54	46.480	
2,900.00	2,897.21	2,802.00	2,759.02	8.61	8.12	-170.23	-612.16	-22.29	745.19	729.27	15.93	46.794	
3,000.00	2,997.10	2,904.68	2,854.65	8.87	8.31	-170.22	-630.21	-23.27	768.20	751.87	16.33	47.047	
3,100.00	3,096.99	2,992.64	2,950.28	9.13	8.48	-170.21	-648.25	-24.25	791.20	774.48	16.72	47.319	
3,200.00	3,196.89	3,089.95	3,045.90	9.39	8.68	-170.20	-666.29	-25.22	814.20	797.06	17.14	47.509	
3,300.00	3,296.78	3,187.27	3,141.53	9.65	8.88	-170.19	-684.33	-26.20	837.20	819.64	17.57	47.660	
3,400.00	3,396.67	3,284.59	3,237.16	9.92	9.10	-170.18	-702.38	-27.18	860.20	842.20	18.00	47.779	
3,500.00	3,496.57	3,381.91	3,332.78	10.18	9.32	-170.17	-720.42	-28.16	883.21	864.76	18.45	47.869	
3,600.00	3,596.46	3,479.23	3,428.41	10.45	9.56	-170.17	-738.46	-29.13	906.21	887.30	18.91	47.933	
3,700.00	3,696.35	3,576.55	3,524.03	10.71	9.79	-170.16	-756.50	-30.11	929.21	909.84	19.37	47.975	
3,800.00	3,796.24	3,673.86	3,619.66	10.98	10.04	-170.15	-774.55	-31.09	952.21	932.37	19.84	47.998	
3,900.00	3,896.14	3,771.18	3,715.29	11.25	10.29	-170.14	-792.59	-32.06	975.22	954.90	20.32	48.003	
4,000.00	3,996.03	3,868.50	3,810.91	11.52	10.55	-170.14	-810.63	-33.04	998.22	977.42	20.80	47.993	
4,100.00	4,095.92	3,965.82	3,906.54	11.79	10.81	-170.13	-828.67	-34.02	1,021.22	999.93	21.29	47.971	
4,200.00	4,195.82	4,063.14	4,002.17	12.06	11.08	-170.13	-846.72	-35.00	1,044.22	1,022.44	21.78	47.938	
4,300.00	4,295.71	4,160.46	4,097.79	12.33	11.35	-170.12	-864.76	-35.97	1,067.23	1,044.94	22.28	47.896	
4,400.00	4,395.60	4,257.77	4,193.42	12.60	11.62	-170.11	-882.80	-36.95	1,090.23	1,067.44	22.79	47.845	
4,500.00	4,495.50	4,355.09	4,289.05	12.87	11.90	-170.11	-900.84	-37.93	1,113.23	1,089.93	23.30	47.788	
4,600.00	4,595.39	4,452.41	4,384.67	13.14	12.19	-170.10	-918.88	-38.90	1,136.23	1,112.42	23.81	47.725	
4,700.00	4,695.28	4,549.73	4,480.30	13.41	12.47	-170.10	-936.93	-39.88	1,159.23	1,134.91	24.32	47.657	
4,800.00	4,795.18	4,647.05	4,575.92	13.68	12.76	-170.09	-954.97	-40.86	1,182.24	1,157.39	24.84	47.585	

# Hewlett-Packard

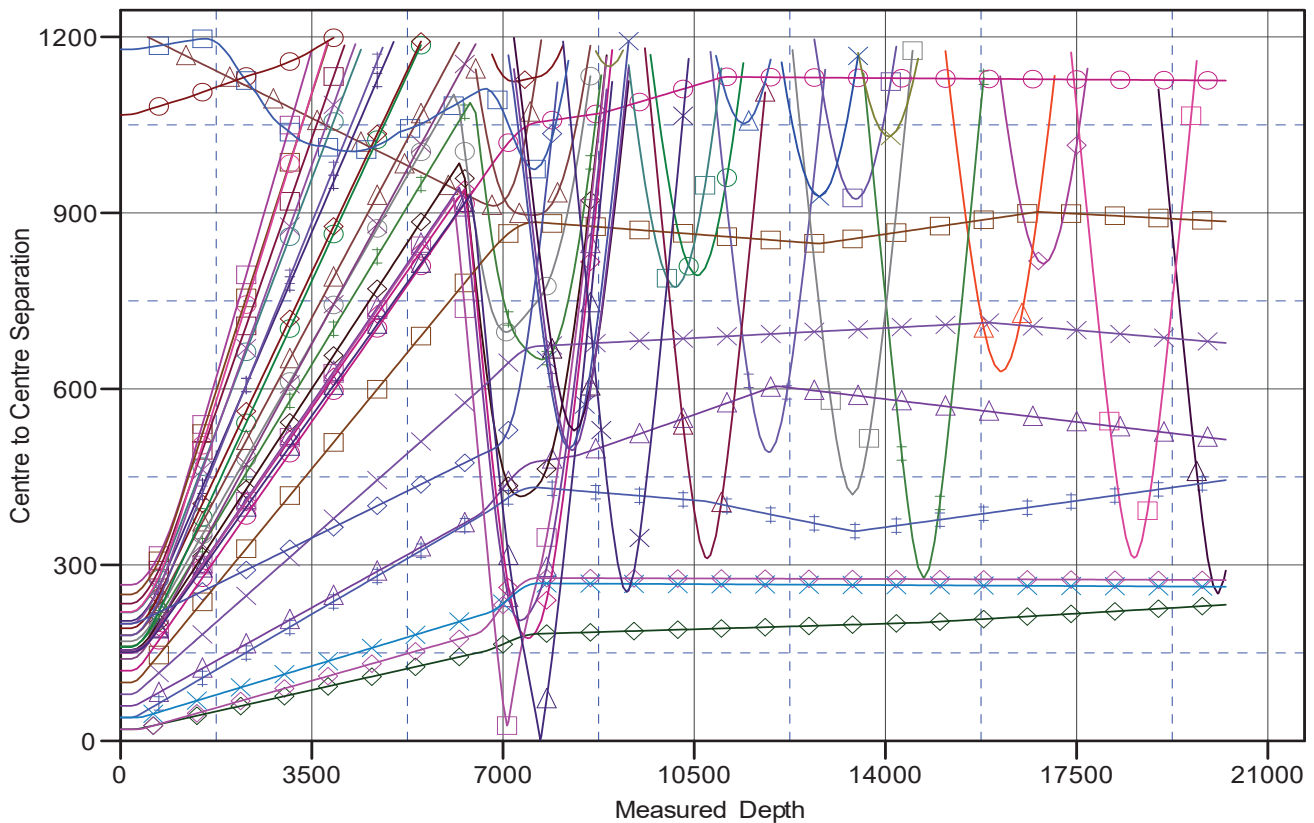
## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to RKB = 4' @ 4909.00usft (RIG)  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000

Coordinates are relative to: SANFORD 26N-27C-XR  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.45°

### Ladder Plot



### LEGEND

WIEDEMAN21-19H6, Noble PR Well, Poor Quality MWD Surveys V0	SANFORD 4N-30A-M, Wellbore #1, Design #1 V0	SANFORD 30N-30A-M, Wellbore #1, Design #1 V0
UPRC 21-13H6, Noble P&A Well, Actual VES Surveys V0	SANFORD 4C-30-M, Wellbore #1, Design #1 V0	SANFORD 26N-27A-XR, Wellbore #1, Design #1 V0
UPV 27-1H6, Noble P&A Well, Actual Sperry Surveys V0	SANFORD 4N-30B-M, Wellbore #1, Design #1 V0	SANFORD 31N-30B-M, Wellbore #1, Design #1 V0
GRADIE J 27-10K, Noble SI Well, Actual Multistep Surveys V0	SANFORD 32N-30C-M, Wellbore #1, Design #1 V0	SANFORD 40N-27C-XR, Wellbore #1, Design #1 V0
UPV 27-2H6, Noble PR Well, Actual VES Surveys V0	SANFORD 4N-30C-M, Wellbore #1, Design #1 V0	SANFORD 26C-27-XR, Wellbore #1, Design #1 V0
UPRC 27-4C, Noble SI Well, Actual BHI Tiff Surveys V0	SANFORD 1N-27B-XR, Wellbore #1, Design #1 V0	SANFORD 40N-27B-XR, Wellbore #1, Design #1 V0
HSR-WIEDEMAN 14-20, Noble SI Well, No Surveys V0	SANFORD 8C-27-XR, Wellbore #1, Design #1 V0	SANFORD 30C-30-M, Wellbore #1, Design #1 V0
IGO FARMISJ 28-31D, Noble SI Well, No Surveys V0	SANFORD 1N-27C-XR, Wellbore #1, Design #1 V0	SANFORD 8N-27C-XR, Wellbore #1, Design #1 V0
WIEDEMAN28-18D, Noble PR Well, Actual Ensign Surveys V0	SANFORD 41N-27C-XR, Wellbore #1, Design #1 V0	KAMMERZELL 29-3H6, Noble SI Well, No Surveys V0
WIEDEMAN28-1H6, Noble SI Well, No Surveys V0	SANFORD 31N-30C-M, Wellbore #1, Design #1 V0	UPV 29-1H6, Noble PR Well, No Surveys V0
WIEDEMANPMJ 25-2, Noble SI Well, No Surveys V0	SANFORD 41N-27B-XR, Wellbore #1, Design #1 V0	BENSLEY 29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0
CULTRANS-PM J 28-4, Noble PR Well, No Surveys V0	SANFORD 5N-30C-M, Wellbore #1, Design #1 V0	UPV 29-2H6, Noble SI Well, No Surveys V0
WIEDEMANJ 28-17, Noble SI Well, No Surveys V0	SANFORD 8N-27B-XR, Wellbore #1, Design #1 V0	BENSLEY 29-18D, Noble SI Well, Actual Ensign Surveys V0
WIEDEMANJ 28-18D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 30N-30B-M, Wellbore #1, Design #1 V0	BENSLEY 29-17D, Noble PR Well, Actual Ensign Surveys V0
IGO FARMISJ 28-19D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 9N-30B-M, Wellbore #1, Design #1 V0	KAMMERZELL J 29-19, Noble SI Well, Actual Coretech Gnos V0
SANFORD 32N-30B-M, Wellbore #1, Design #1 V0	SANFORD 5C-30-M, Wellbore #1, Design #1 V0	BENSLEY 29-27D (Need Directional Surveys), Noble SI Well, No Surveys V0
SANFORD 1N-27A-XR, Wellbore #1, Design #1 V0	SANFORD 1C-27-XR, Wellbore #1, Design #1 V0	

# Hewlett-Packard

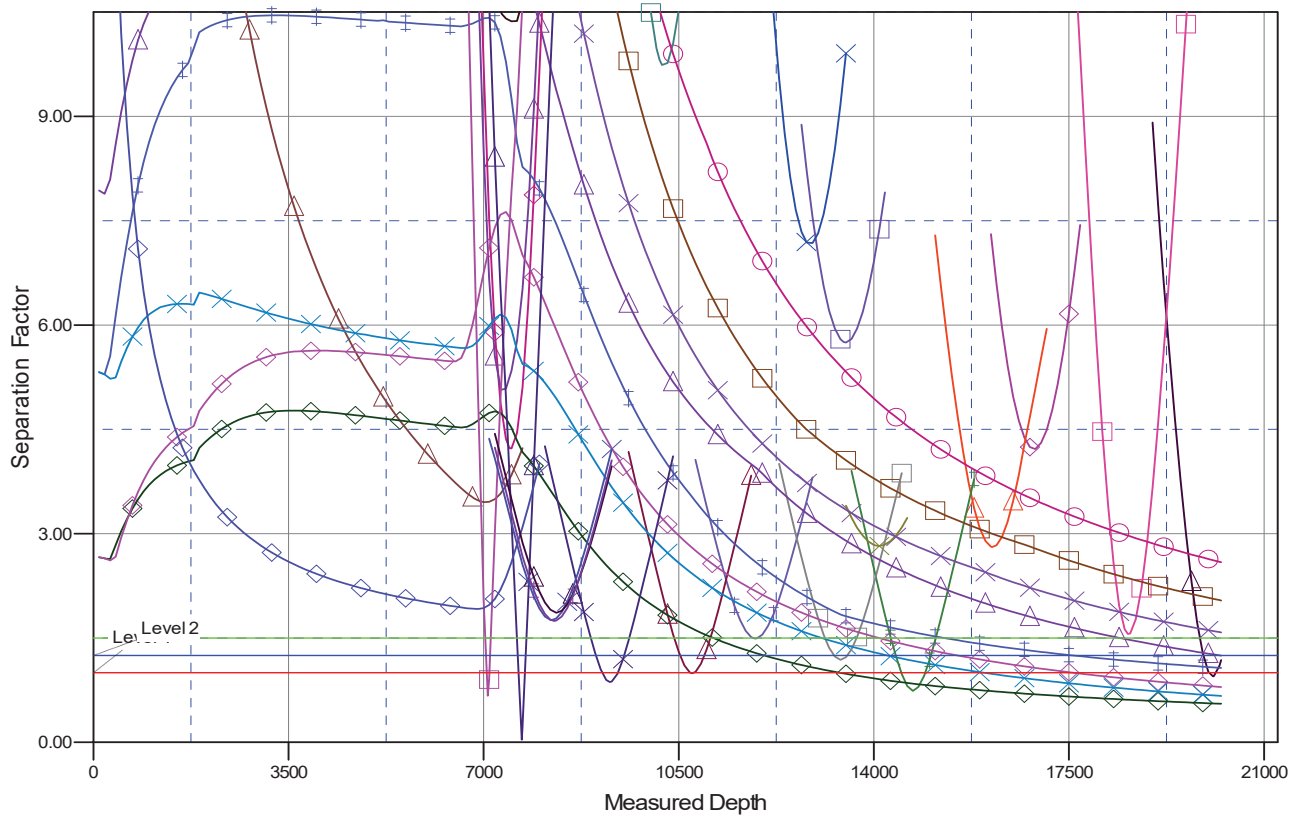
## Anticollision Report

<b>Company:</b>	SRC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SANFORD 26N-27C-XR
<b>Project:</b>	WELD COUNTY (NAD83, TRUE NORTH)	<b>TVD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Reference Site:</b>	5N-66W-29 SANFORD 21-29 PAD	<b>MD Reference:</b>	RKB = 4' @ 4909.00usft (RIG)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SANFORD 26N-27C-XR	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	3.28 usft	<b>Output errors are at</b>	2.45 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to RKB = 4' @ 4909.00usft (RIG)  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000

Coordinates are relative to: SANFORD 26N-27C-XR  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.45°

## Separation Factor Plot



## LEGEND

WIEDEMAN21-15H6, Noble PR Well, Poor Quality MWD Surveys V0	SANFORD 4N-30A-M, Wellbore #1, Design #1 V0	SANFORD 30N-30A-M, Wellbore #1, Design #1 V0
UPRC 21-13H6, Noble P&A Well, Actual VES Surveys V0	SANFORD 4C-30-M, Wellbore #1, Design #1 V0	SANFORD 26N-27A-XR, Wellbore #1, Design #1 V0
UPV 27-1H6, Noble P&A Well, Actual Sperry Surveys V0	SANFORD 4N-30B-M, Wellbore #1, Design #1 V0	SANFORD 31N-30B-M, Wellbore #1, Design #1 V0
GRADE J 27-19K, Noble SI Well, Actual Multistep Surveys V0	SANFORD 32N-30C-M, Wellbore #1, Design #1 V0	SANFORD 40N-27C-XR, Wellbore #1, Design #1 V0
UPV 27-2H6, Noble PR Well, Actual VES Surveys V0	SANFORD 4N-30C-M, Wellbore #1, Design #1 V0	SANFORD 26C-27-XR, Wellbore #1, Design #1 V0
UPRC 27-4C, Noble SI Well, Actual BHI TIF Surveys V0	SANFORD 1N-27B-XR, Wellbore #1, Design #1 V0	SANFORD 40N-27B-XR, Wellbore #1, Design #1 V0
HSR-WIEDEMAN 14-20, Noble SI Well, No Surveys V0	SANFORD 8C-27-XR, Wellbore #1, Design #1 V0	SANFORD 30C-30-M, Wellbore #1, Design #1 V0
IGO 28-3H6, Noble SI Well, No Surveys V0	SANFORD 1N-27C-XR, Wellbore #1, Design #1 V0	SANFORD 8N-27C-XR, Wellbore #1, Design #1 V0
IGO FARMS J 28-31D, Noble PR Well, Actual Ensign Surveys V0	SANFORD 41N-27C-XR, Wellbore #1, Design #1 V0	KAMMERZELL 29-3H6, Noble SI Well, No Surveys V0
WIEDEMAN 28-1H6, Noble SI Well, No Surveys V0	SANFORD 31N-30C-M, Wellbore #1, Design #1 V0	UPV 29-1H6, Noble PR Well, No Surveys V0
WIEDEMAN PM 25-2, Noble SI Well, No Surveys V0	SANFORD 41N-27B-XR, Wellbore #1, Design #1 V0	BENSLER J29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0
COLTRANE PM J 28-4, Noble PR Well, No Surveys V0	SANFORD 5N-30C-M, Wellbore #1, Design #1 V0	UPV 29-2H6, Noble SI Well, No Surveys V0
WIEDEMAN 28-17, Noble SI Well, No Surveys V0	SANFORD 8N-27B-XR, Wellbore #1, Design #1 V0	BENSLER J29-18D, Noble SI Well, Actual Ensign Surveys V0
WIEDEMAN 28-18D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 30N-30B-M, Wellbore #1, Design #1 V0	BENSLER J29-17D, Noble PR Well, Actual Ensign Surveys V0
IGO FARMS J 28-18D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 30N-30B-M, Wellbore #1, Design #1 V0	KAMMERZELL J 29-19, Noble SI Well, Actual Coretech Gyros V0
SANFORD 32N-30B-M, Wellbore #1, Design #1 V0	SANFORD 5C-30-M, Wellbore #1, Design #1 V0	BENSLER J29-27D (Need Directional Surveys), Noble SI Well, No Surveys V0
SANFORD 1N-27A-XR, Wellbore #1, Design #1 V0	SANFORD 1C-27-XR, Wellbore #1, Design #1 V0	