

SRC ENERGY

**WELD COUNTY (NAD83, TRUE NORTH)
5N-66W-29 SANFORD 21-29 PAD
SANFORD 8N-27B-XR**

**Wellbore #1
Design #1**

Anticollision Report

25 October, 2018

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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

Reference	Design #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,200.00 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Added to Error Values

Survey Tool Program	Date	10/25/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	1,800.00	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV ; Fixed:v2:crustal field declination	
1,800.00	20,242.44	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV ; Fixed:v2:Rockies, crustal dec + 3-axis correction	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
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	16,882.55	7,409.58	712.04	512.88	3.575	CC
GRACIE J 27-19X - Noble SI Well - Actual Multishot Surv	16,900.00	7,410.65	712.25	512.48	3.565	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	15,839.43	7,040.85	1,009.58	613.62	2.550	CC, ES
UPRC 27-3C Directional Well No Surveys - Noble SI We	15,900.00	7,041.00	1,011.39	614.36	2.547	SF
UPRC 27-4C - Noble SI Well - Actual BHI Tiff Surveys	16,083.53	7,629.25	888.13	658.16	3.862	CC
UPRC 27-4C - Noble SI Well - Actual BHI Tiff Surveys	16,100.00	7,633.70	888.27	658.02	3.858	ES, SF
UPRC 27-5C - Noble T/A Well - Actual VES Surveys	16,059.32	7,274.40	141.01	-30.71	0.821	Level 1, CC, ES, SF
UPRC 27-6C - Noble P&A Well - Actual VES Surveys	17,296.85	7,574.45	185.17	-4.86	0.974	Level 1, CC, ES, SF
UPV 27-1H6 - Noble P&A Well - Actual Sperry Surveys	20,035.40	7,075.06	1,138.08	906.79	4.921	CC, ES
UPV 27-1H6 - Noble P&A Well - Actual Sperry Surveys	20,100.00	7,077.51	1,139.90	907.19	4.898	SF
UPV 27-2H6 - Noble PR Well - Actual VES Surveys	18,645.18	7,323.97	1,160.56	952.45	5.577	CC, ES, SF
UPV 27-7H6 - Noble PR Well - Actual VES Surveys	18,649.45	7,390.04	99.01	-113.58	0.466	Level 1, CC, ES, SF
UPV 27-8H6 - Noble P&A Well - Actual VES Surveys	20,003.31	7,313.09	143.37	-89.92	0.615	Level 1, CC, ES, SF

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Reference Well:	SANFORD 8N-27B-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

Summary

Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation Factor	Warning
	Measured Depth (usft)	Measured Depth (usft)	Between Centres (usft)	Between Ellipses (usft)		
5N-66W-28 Offsets						
COLTRANE-IGO 1 - Noble SI Well - No Surveys	12,026.35	7,116.17	78.94	-256.92	0.235	Level 1, CC, ES, SF
COLTRANE-PM J 28-4 - Noble PR Well - No Surveys						Out of range
COLTRANE-PM J28-5 - Noble SI Well - No Surveys	10,681.79	7,135.76	197.00	-117.50	0.626	Level 1, CC, ES, SF
IGO 28-3H6 - Noble SI Well - No Surveys	11,852.97	7,107.73	1,028.59	695.97	3.092	CC, ES
IGO 28-3H6 - Noble SI Well - No Surveys	11,900.00	7,107.85	1,030.00	696.92	3.092	SF
IGO FARMS J 28-19D - Noble SI Well - Actual Ensign Su	11,409.48	7,165.81	470.44	375.73	4.967	CC, ES, SF
IGO FARMS J 28-20D - Noble PR Well - Actual Ensign S	11,385.02	7,292.22	677.97	581.44	7.023	CC
IGO FARMS J 28-20D - Noble PR Well - Actual Ensign S	11,400.00	7,292.09	678.13	581.10	6.989	ES
IGO FARMS J 28-20D - Noble PR Well - Actual Ensign S	11,500.00	7,291.23	687.65	587.92	6.895	SF
IGO FARMS J 28-31D - Noble PR Well - Actual Ensign S	10,156.52	7,259.19	754.63	672.25	9.160	CC, ES, SF
IGO FARMS J 28-32D - Noble PR Well - Actual Ensign S	10,133.98	7,359.94	693.99	610.08	8.271	CC, ES, SF
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	14,735.41	7,105.05	78.78	-301.06	0.207	Level 1, CC, ES, SF
WIEDEMAN 28-1H6 - Noble SI Well - No Surveys						Out of range
WIEDEMAN J 28-17 - Noble SI Well - No Surveys	14,086.39	7,113.41	513.89	144.85	1.392	Level 3, CC, ES, SF
WIEDEMAN J 28-18D - Noble SI Well - Actual Ensign Su	12,766.69	7,338.06	629.97	495.16	4.673	CC, ES, SF
WIEDEMAN J 28-21D - Noble SI Well - Actual Ensign Su	13,018.19	7,397.32	644.12	509.22	4.775	CC, ES, SF
WIEDEMAN J 28-22D - Noble SI Well - Actual Ensign Su	14,043.93	7,266.41	558.86	417.32	3.948	CC, ES
WIEDEMAN J 28-22D - Noble SI Well - Actual Ensign Su	14,100.00	7,267.59	561.66	418.58	3.925	SF
WIEDEMAN-PM J28-2 - Noble SI Well - No Surveys	13,443.41	7,115.78	1,155.53	796.85	3.222	CC, ES
WIEDEMAN-PM J28-2 - Noble SI Well - No Surveys	13,500.00	7,115.92	1,156.16	797.20	3.221	SF
WIEDEMAN-PM J28-7 - Noble SI Well - No Surveys	13,287.62	7,120.38	82.81	-273.86	0.232	Level 1, CC, ES, SF
WIEST 28-11H6 - Noble SI Well - No Surveys						Out of range
WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Su	13,233.43	10,181.06	899.86	689.70	4.282	CC
WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Su	14,900.00	11,856.00	961.05	656.15	3.152	ES, SF
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	8,949.06	7,255.25	384.70	321.40	6.078	CC, ES, SF
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	7,568.39	7,247.24	566.52	519.31	12.001	CC, ES
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	7,600.00	7,248.52	567.28	519.72	11.928	SF
BENSLER J 29-21D (Need Directional Surveys) - Noble	8,220.65	7,148.54	1,039.33	761.60	3.742	CC, ES, SF
BENSLER J 29-27D (Need Directional Surveys) - Noble	8,269.14	7,148.66	1,042.11	763.76	3.744	CC, ES
BENSLER J 29-27D (Need Directional Surveys) - Noble	8,300.00	7,148.74	1,042.56	763.97	3.742	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	683.75	679.54	22.84	-4.22	0.844	Level 1, CC
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	700.00	704.47	23.03	-4.93	0.824	Level 1, ES, 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	6,893.19	6,803.25	36.58	-219.90	0.143	Level 1, CC, ES, SF
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	3,322.54	3,282.63	826.86	808.24	44.415	CC
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	3,446.59	3,409.16	826.88	807.62	42.946	ES
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	6,600.00	6,551.27	898.48	862.57	25.019	SF
UPRC 29-7C - Noble T/A Well - No Surveys	8,096.72	7,151.22	95.09	-181.45	0.344	Level 1, CC
UPRC 29-7C - Noble T/A Well - No Surveys	8,100.00	7,151.23	95.14	-181.57	0.344	Level 1, ES, SF
UPRC 29-8C - Noble SI Well - No Surveys	9,227.40	7,243.08	284.13	-11.35	0.962	Level 1, CC, ES, SF
UPV 29-1H6 - Noble PR Well - No Surveys						Out of range
UPV 29-2H6 - Noble SI Well - No Surveys	8,311.67	7,135.77	1,008.11	729.45	3.618	CC, ES, SF

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Offset Well - Wellbore - Design						
5N-66W-29 SANFORD 21-29 PAD						
SANFORD 1C-27-XR - Wellbore #1 - Design #1	200.00	200.00	119.86	112.29	15.825	CC, ES
SANFORD 1C-27-XR - Wellbore #1 - Design #1	20,242.80	20,344.81	1,132.03	700.06	2.621	SF
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	200.00	200.00	100.19	92.62	13.229	CC, ES
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	20,242.80	20,021.29	1,081.68	643.08	2.466	SF
SANFORD 1N-27B-XR - Wellbore #1 - Design #1	200.00	200.00	139.90	132.32	18.471	CC, ES, SF
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	315.78	319.03	80.13	72.47	10.453	CC, ES
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	20,242.80	20,349.47	897.08	459.95	2.052	SF
SANFORD 26C-27-XR - Wellbore #1 - Design #1	200.00	200.00	200.00	192.43	26.407	CC, ES, SF
SANFORD 26N-27A-XR - Wellbore #1 - Design #1	200.00	200.00	179.97	172.39	23.762	CC, ES, SF
SANFORD 26N-27C-XR - Wellbore #1 - Design #1	200.00	200.00	159.93	152.36	21.116	CC, ES, SF
SANFORD 30C-30-M - Wellbore #1 - Design #1	200.00	199.00	234.34	226.77	30.942	CC, ES, SF
SANFORD 30N-30A-M - Wellbore #1 - Design #1	200.00	199.00	219.23	211.66	28.947	CC, ES, SF
SANFORD 30N-30B-M - Wellbore #1 - Design #1	200.00	199.00	249.98	242.41	33.007	CC, ES, SF
SANFORD 31N-30B-M - Wellbore #1 - Design #1	200.00	199.00	155.08	147.51	20.476	CC, ES
SANFORD 31N-30B-M - Wellbore #1 - Design #1	7,357.20	7,553.64	409.59	372.82	11.140	SF
SANFORD 31N-30C-M - Wellbore #1 - Design #1	200.00	199.00	161.51	153.94	21.326	CC, ES
SANFORD 31N-30C-M - Wellbore #1 - Design #1	7,700.00	7,300.58	650.32	612.86	17.358	SF
SANFORD 32N-30B-M - Wellbore #1 - Design #1	288.27	285.78	161.11	153.47	21.081	CC
SANFORD 32N-30B-M - Wellbore #1 - Design #1	300.00	297.03	161.12	153.47	21.053	ES
SANFORD 32N-30B-M - Wellbore #1 - Design #1	8,000.00	7,154.60	683.85	638.03	14.927	SF
SANFORD 32N-30C-M - Wellbore #1 - Design #1	200.00	199.00	155.15	147.57	20.485	CC, ES
SANFORD 32N-30C-M - Wellbore #1 - Design #1	7,900.00	7,225.20	445.24	401.39	10.153	SF
SANFORD 40N-27B-XR - Wellbore #1 - Design #1	610.62	604.98	39.70	31.61	4.910	CC
SANFORD 40N-27B-XR - Wellbore #1 - Design #1	20,242.80	20,317.63	446.55	5.04	1.011	Level 2, ES, SF
SANFORD 40N-27C-XR - Wellbore #1 - Design #1	616.01	607.50	59.55	51.46	7.358	CC
SANFORD 40N-27C-XR - Wellbore #1 - Design #1	700.00	689.78	59.70	51.43	7.214	ES
SANFORD 40N-27C-XR - Wellbore #1 - Design #1	20,242.80	20,466.72	661.37	220.56	1.500	SF
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	393.78	397.89	60.02	52.27	7.747	CC
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	400.00	404.07	60.02	52.27	7.740	ES
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	20,242.80	20,173.51	663.27	221.21	1.500	SF
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	454.58	458.17	39.95	32.13	5.105	CC
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	20,242.80	20,255.61	426.86	-12.32	0.972	Level 1, ES, SF
SANFORD 4C-30-M - Wellbore #1 - Design #1	200.00	199.00	180.23	172.66	23.798	CC, ES
SANFORD 4C-30-M - Wellbore #1 - Design #1	7,900.00	7,205.28	898.54	859.39	22.954	SF
SANFORD 4N-30A-M - Wellbore #1 - Design #1	200.00	199.00	169.83	162.26	22.424	CC, ES
SANFORD 4N-30A-M - Wellbore #1 - Design #1	7,000.00	7,689.96	809.82	773.37	22.220	SF
SANFORD 4N-30B-M - Wellbore #1 - Design #1	200.00	199.00	191.96	184.38	25.346	CC, ES, SF
SANFORD 4N-30C-M - Wellbore #1 - Design #1	200.00	199.00	205.17	197.59	27.090	CC, ES, SF
SANFORD 5C-30-M - Wellbore #1 - Design #1	7,783.41	7,325.92	59.60	18.87	1.463	Level 3, CC, ES
SANFORD 5C-30-M - Wellbore #1 - Design #1	7,800.00	7,315.16	60.91	19.23	1.462	Level 3, SF
SANFORD 5N-30B-M - Wellbore #1 - Design #1	200.00	199.00	151.08	143.51	19.949	CC, ES
SANFORD 5N-30B-M - Wellbore #1 - Design #1	7,600.00	7,396.46	229.27	189.71	5.795	SF
SANFORD 5N-30C-M - Wellbore #1 - Design #1	200.00	199.00	151.10	143.53	19.951	CC, ES
SANFORD 5N-30C-M - Wellbore #1 - Design #1	7,569.28	7,435.49	209.16	171.13	5.501	SF
SANFORD 8C-27-XR - Wellbore #1 - Design #1	564.28	566.82	19.90	11.90	2.487	CC
SANFORD 8C-27-XR - Wellbore #1 - Design #1	20,242.80	20,411.12	298.72	-82.72	0.783	Level 1, ES, SF
SANFORD 8N-27C-XR - Wellbore #1 - Design #1	605.09	602.29	19.85	11.78	2.458	CC
SANFORD 8N-27C-XR - Wellbore #1 - Design #1	20,242.80	20,347.38	232.86	-192.38	0.548	Level 1, ES, SF

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Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Offset Design		5N-66W-27 Offsets Incomplete (Need 1 Directional) - GRACIE J 27-19X - Noble SI Well - Actual Multish										Offset Site Error:	0.00 usft
Survey Program:		100-SRC Energy_2° CONE_2.448, 478-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	
16,000.00	7,180.25	7,359.28	7,020.99	150.42	48.07	-83.69	-358.70	9,852.44	1,132.85	1,000.75	132.10	8.576	
16,100.00	7,180.51	7,366.82	7,028.50	152.08	48.09	-84.29	-358.39	9,852.84	1,057.06	918.52	138.54	7.630	
16,200.00	7,180.76	7,374.25	7,035.92	153.74	48.11	-84.88	-358.11	9,853.22	985.55	839.88	145.67	6.765	
16,300.00	7,181.01	7,381.58	7,043.24	155.40	48.12	-85.47	-357.84	9,853.60	919.34	765.84	153.50	5.989	
16,400.00	7,181.27	7,382.78	7,044.43	157.06	48.12	-85.57	-357.78	9,853.68	859.68	697.75	161.93	5.309	
16,500.00	7,181.52	7,387.93	7,049.57	158.72	48.13	-85.98	-357.58	9,853.97	807.98	637.16	170.82	4.730	
16,600.00	7,181.77	7,393.28	7,054.90	160.38	48.15	-86.41	-357.37	9,854.27	765.86	586.08	179.78	4.260	
16,700.00	7,182.03	7,398.84	7,060.45	162.05	48.16	-86.86	-357.16	9,854.59	734.98	546.80	188.18	3.906	
16,800.00	7,182.28	7,404.62	7,066.22	163.71	48.17	-87.32	-356.93	9,854.93	716.79	521.65	195.14	3.673	
16,882.55	7,182.49	7,409.58	7,071.17	165.08	48.18	-87.72	-356.74	9,855.22	712.04	512.88	199.16	3.575 CC	
16,900.00	7,182.53	7,410.65	7,072.24	165.37	48.18	-87.81	-356.70	9,855.29	712.25	512.48	199.77	3.565 ES, SF	
17,000.00	7,182.79	7,416.94	7,078.50	167.03	48.19	-88.31	-356.45	9,855.67	721.62	520.15	201.47	3.582	
17,100.00	7,183.04	7,423.49	7,085.04	168.70	48.21	-88.84	-356.19	9,856.08	744.37	544.15	200.22	3.718	
17,200.00	7,183.29	7,430.33	7,091.86	170.36	48.22	-89.39	-355.92	9,856.52	779.33	582.86	196.48	3.967	
17,300.00	7,183.55	7,437.49	7,099.00	172.02	48.24	-89.96	-355.63	9,856.99	824.94	633.98	190.97	4.320	
17,400.00	7,183.80	7,444.62	7,106.11	173.69	48.25	-90.53	-355.35	9,857.45	879.55	695.11	184.43	4.769	
17,500.00	7,184.05	7,451.68	7,113.15	175.35	48.27	-91.10	-355.08	9,857.91	941.59	764.10	177.49	5.305	
17,600.00	7,184.31	7,458.66	7,120.11	177.01	48.28	-91.65	-354.82	9,858.36	1,009.69	839.14	170.55	5.920	
17,700.00	7,184.56	7,465.55	7,126.98	178.68	48.30	-92.20	-354.57	9,858.80	1,082.71	918.83	163.88	6.607	
17,800.00	7,184.81	7,472.35	7,133.77	180.34	48.31	-92.75	-354.32	9,859.23	1,159.73	1,002.10	157.63	7.357	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												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	
15,200.00	7,178.23	7,039.23	7,039.23	137.14	247.67	89.91	-2,069.82	8,798.99	1,195.04	833.09	361.95	3.302	
15,300.00	7,178.48	7,039.48	7,039.48	138.80	247.68	89.92	-2,069.82	8,798.99	1,144.65	776.00	368.66	3.105	
15,400.00	7,178.73	7,039.73	7,039.73	140.46	247.68	89.94	-2,069.82	8,798.99	1,101.07	725.83	375.23	2.934	
15,500.00	7,178.99	7,039.99	7,039.99	142.12	247.69	89.95	-2,069.82	8,798.99	1,065.11	683.67	381.44	2.792	
15,600.00	7,179.24	7,040.24	7,040.24	143.78	247.70	89.97	-2,069.82	8,798.99	1,037.58	650.60	386.98	2.681	
15,700.00	7,179.49	7,040.49	7,040.49	145.43	247.71	89.98	-2,069.82	8,798.99	1,019.16	627.58	391.58	2.603	
15,800.00	7,179.75	7,040.75	7,040.75	147.09	247.72	89.99	-2,069.82	8,798.99	1,010.35	615.36	394.98	2.558	
15,839.43	7,179.85	7,040.85	7,040.85	147.75	247.72	90.00	-2,069.82	8,798.99	1,009.58	613.62	395.96	2.550 CC, ES	
15,900.00	7,180.00	7,041.00	7,041.00	148.75	247.73	90.01	-2,069.82	8,798.99	1,011.39	614.36	397.03	2.547 SF	
16,000.00	7,180.25	7,041.25	7,041.25	150.42	247.74	90.02	-2,069.82	8,798.99	1,022.27	624.61	397.66	2.571	
16,100.00	7,180.51	7,041.51	7,041.51	152.08	247.75	90.04	-2,069.82	8,798.99	1,042.66	645.71	396.95	2.627	
16,200.00	7,180.76	7,041.76	7,041.76	153.74	247.76	90.05	-2,069.82	8,798.99	1,072.03	676.96	395.07	2.714	
16,300.00	7,181.01	7,042.01	7,042.01	155.40	247.77	90.07	-2,069.82	8,798.99	1,109.67	717.42	392.25	2.829	
16,400.00	7,181.27	7,042.27	7,042.27	157.06	247.77	90.08	-2,069.82	8,798.99	1,154.77	766.03	388.74	2.971	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-4C - Noble SI Well - Actual BHI Tiff Sur												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 988-SRC Energy_2" CONE_2.448, 3537-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	
15,300.00	7,178.48	7,420.68	6,780.15	138.80	86.67	-73.30	-191.40	9,006.21	1,166.68	979.15	187.53	6.221	
15,400.00	7,178.73	7,441.45	6,800.22	140.46	86.70	-74.54	-189.65	9,011.28	1,106.49	912.79	193.71	5.712	
15,500.00	7,178.99	7,469.32	6,827.12	142.12	86.74	-76.23	-187.41	9,018.21	1,051.79	851.57	200.22	5.253	
15,600.00	7,179.24	7,497.05	6,853.90	143.78	86.78	-77.93	-185.26	9,025.09	1,003.40	796.63	206.77	4.853	
15,700.00	7,179.49	7,524.65	6,880.56	145.43	86.82	-79.63	-183.19	9,031.92	962.28	749.15	213.13	4.515	
15,800.00	7,179.75	7,552.11	6,907.10	147.09	86.85	-81.33	-181.21	9,038.69	929.39	710.41	218.98	4.244	
15,900.00	7,180.00	7,579.44	6,933.52	148.75	86.89	-83.03	-179.31	9,045.42	905.65	681.65	224.00	4.043	
16,000.00	7,180.25	7,606.63	6,959.82	150.42	86.93	-84.73	-177.49	9,052.09	891.79	663.94	227.85	3.914	
16,083.53	7,180.47	7,629.25	6,981.69	151.80	86.96	-86.14	-176.03	9,057.63	888.13	658.16	229.97	3.862 CC	
16,100.00	7,180.51	7,633.70	6,986.00	152.08	86.97	-86.42	-175.75	9,058.72	888.27	658.02	230.26	3.858 ES, SF	
16,200.00	7,180.76	7,660.62	7,012.06	153.74	87.00	-88.10	-174.09	9,065.29	895.23	664.13	231.10	3.874	
16,300.00	7,181.01	7,687.42	7,038.00	155.40	87.04	-89.77	-172.51	9,071.82	912.43	682.04	230.39	3.960	
16,400.00	7,181.27	7,714.08	7,063.82	157.06	87.08	-91.43	-171.01	9,078.30	939.31	711.00	228.32	4.114	
16,500.00	7,181.52	7,740.61	7,089.52	158.72	87.12	-93.08	-169.58	9,084.73	975.08	749.95	225.14	4.331	
16,600.00	7,181.77	7,767.01	7,115.10	160.38	87.16	-94.70	-168.23	9,091.11	1,018.81	797.65	221.16	4.607	
16,700.00	7,182.03	7,793.88	7,141.10	162.05	87.19	-96.34	-166.83	9,097.74	1,069.51	852.80	216.71	4.935	
16,800.00	7,182.28	7,821.92	7,168.20	163.71	87.23	-98.03	-165.37	9,104.78	1,126.21	914.18	212.03	5.311	
16,900.00	7,182.53	7,851.12	7,196.39	165.37	87.27	-99.77	-163.83	9,112.27	1,188.02	980.69	207.33	5.730	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-5C - Noble T/A Well - Actual VES Survey												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 6950-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	
14,900.00	7,177.47	7,278.39	7,041.25	132.17	20.85	89.94	-1,203.00	9,025.46	1,167.86	1,120.20	47.65	24.507	
15,000.00	7,177.72	7,278.05	7,040.91	133.82	20.85	89.80	-1,202.99	9,025.46	1,068.66	1,020.19	48.47	22.049	
15,100.00	7,177.97	7,277.70	7,040.56	135.48	20.84	89.66	-1,202.98	9,025.46	969.62	920.09	49.53	19.577	
15,200.00	7,178.23	7,277.36	7,040.22	137.14	20.83	89.52	-1,202.97	9,025.46	870.81	819.86	50.95	17.093	
15,300.00	7,178.48	7,277.01	7,039.88	138.80	20.82	89.38	-1,202.96	9,025.47	772.30	719.41	52.89	14.603	
15,400.00	7,178.73	7,276.67	7,039.53	140.46	20.81	89.24	-1,202.95	9,025.47	674.23	618.61	55.61	12.124	
15,500.00	7,178.99	7,276.33	7,039.19	142.12	20.81	89.10	-1,202.93	9,025.47	576.82	517.25	59.57	9.683	
15,600.00	7,179.24	7,275.98	7,038.84	143.78	20.80	88.96	-1,202.92	9,025.47	480.48	414.95	65.53	7.332	
15,700.00	7,179.49	7,275.64	7,038.50	145.43	20.79	88.82	-1,202.91	9,025.48	386.00	311.08	74.92	5.152	
15,800.00	7,179.75	7,275.29	7,038.15	147.09	20.78	88.68	-1,202.90	9,025.48	295.18	204.62	90.55	3.260	
15,900.00	7,180.00	7,274.95	7,037.81	148.75	20.77	88.54	-1,202.89	9,025.48	212.76	95.12	117.64	1.809	
16,000.00	7,180.25	7,274.60	7,037.46	150.42	20.76	88.40	-1,202.88	9,025.48	152.98	-4.64	157.61	0.971 Level 1	
16,059.32	7,180.40	7,274.40	7,037.26	151.40	20.76	88.31	-1,202.88	9,025.48	141.01	-30.71	171.71	0.821 Level 1, CC, ES, SF	
16,100.00	7,180.51	7,274.26	7,037.12	152.08	20.76	88.26	-1,202.87	9,025.48	146.76	-21.23	167.98	0.874 Level 1	
16,200.00	7,180.76	7,273.91	7,036.77	153.74	20.75	88.12	-1,202.86	9,025.49	199.18	64.65	134.53	1.481 Level 3	
16,300.00	7,181.01	7,273.57	7,036.43	155.40	20.74	87.98	-1,202.85	9,025.49	278.94	172.11	106.83	2.611	
16,400.00	7,181.27	7,273.22	7,036.08	157.06	20.73	87.84	-1,202.84	9,025.49	368.70	278.53	90.18	4.089	
16,500.00	7,181.52	7,272.88	7,035.74	158.72	20.72	87.70	-1,202.83	9,025.49	462.69	382.75	79.94	5.788	
16,600.00	7,181.77	7,272.53	7,035.39	160.38	20.72	87.56	-1,202.82	9,025.49	558.76	485.50	73.26	7.627	
16,700.00	7,182.03	7,272.19	7,035.05	162.05	20.71	87.42	-1,202.81	9,025.50	656.01	587.32	68.69	9.550	
16,800.00	7,182.28	7,271.84	7,034.70	163.71	20.70	87.28	-1,202.80	9,025.50	753.98	688.56	65.42	11.525	
16,900.00	7,182.53	7,271.50	7,034.36	165.37	20.69	87.14	-1,202.79	9,025.50	852.42	789.41	63.01	13.529	
17,000.00	7,182.79	7,271.15	7,034.01	167.03	20.68	87.00	-1,202.78	9,025.50	951.18	890.00	61.18	15.546	
17,100.00	7,183.04	7,270.81	7,033.67	168.70	20.68	86.86	-1,202.77	9,025.50	1,050.18	990.41	59.77	17.569	
17,200.00	7,183.29	7,270.46	7,033.32	170.36	20.67	86.72	-1,202.76	9,025.51	1,149.35	1,090.69	58.67	19.591	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-6C - Noble P&A Well - Actual VES Surv												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7750-SRC Energy_UNKNOWN												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	
16,100.00	7,180.51	7,154.23	6,673.35	152.08	18.60	33.93	-1,319.96	10,142.79	1,165.67	1,103.20	62.48	18.657	
16,200.00	7,180.76	7,214.90	6,729.34	153.74	18.81	37.18	-1,309.51	10,163.70	1,073.01	1,010.13	62.88	17.065	
16,300.00	7,181.01	7,270.62	6,781.32	155.40	19.00	41.13	-1,300.38	10,181.56	979.79	916.09	63.70	15.382	
16,400.00	7,181.27	7,318.96	6,826.82	157.06	19.17	45.57	-1,292.78	10,195.99	886.22	820.98	65.24	13.584	
16,500.00	7,181.52	7,351.94	6,857.98	158.72	19.27	49.30	-1,287.64	10,205.50	792.82	724.61	68.21	11.623	
16,600.00	7,181.77	7,386.14	6,890.40	160.38	19.39	53.92	-1,282.35	10,215.04	699.79	627.76	72.03	9.716	
16,700.00	7,182.03	7,418.35	6,921.00	162.05	19.49	59.11	-1,277.39	10,223.76	607.45	530.10	77.35	7.854	
16,800.00	7,182.28	7,447.55	6,948.82	163.71	19.59	64.65	-1,272.97	10,231.47	516.40	431.36	85.04	6.072	
16,900.00	7,182.53	7,475.85	6,975.83	165.37	19.68	70.84	-1,268.74	10,238.76	427.56	331.32	96.24	4.443	
17,000.00	7,182.79	7,502.81	7,001.62	167.03	19.76	77.51	-1,264.75	10,245.53	342.84	229.76	113.08	3.032	
17,100.00	7,183.04	7,528.33	7,026.09	168.70	19.83	84.46	-1,261.06	10,251.78	266.38	127.98	138.40	1.925	
17,200.00	7,183.29	7,552.41	7,049.23	170.36	19.89	91.45	-1,257.68	10,257.49	207.80	36.51	171.29	1.213	Level 2
17,296.85	7,183.54	7,574.45	7,070.47	171.97	19.95	98.05	-1,254.68	10,262.58	185.17	-4.86	190.03	0.974	Level 1, CC, ES, SF
17,300.00	7,183.55	7,575.14	7,071.14	172.02	19.95	98.26	-1,254.58	10,262.73	185.19	-4.83	190.02	0.975	Level 1
17,400.00	7,183.80	7,596.65	7,091.90	173.69	20.00	104.71	-1,251.73	10,267.56	210.72	40.28	170.44	1.236	Level 2
17,500.00	7,184.05	7,617.31	7,111.88	175.35	20.05	110.75	-1,249.05	10,272.06	271.24	132.33	138.91	1.953	
17,600.00	7,184.31	7,636.93	7,130.89	177.01	20.09	116.24	-1,246.53	10,276.23	349.09	234.03	115.06	3.034	
17,700.00	7,184.56	7,656.28	7,149.66	178.68	20.13	121.33	-1,244.08	10,280.23	435.14	335.99	99.15	4.389	
17,800.00	7,184.81	7,676.99	7,169.76	180.34	20.19	126.37	-1,241.46	10,284.49	525.35	436.84	88.51	5.935	
17,900.00	7,185.07	7,697.70	7,189.85	182.01	20.26	130.96	-1,238.84	10,288.74	617.89	536.70	81.19	7.611	
18,000.00	7,185.32	7,718.41	7,209.95	183.67	20.32	135.12	-1,236.22	10,293.00	711.84	635.86	75.98	9.369	
18,100.00	7,185.57	7,739.11	7,230.05	185.33	20.38	138.86	-1,233.60	10,297.26	806.71	734.52	72.19	11.175	
18,200.00	7,185.83	7,759.82	7,250.14	187.00	20.45	142.21	-1,230.98	10,301.52	902.22	832.85	69.37	13.005	
18,300.00	7,186.08	7,780.53	7,270.24	188.66	20.90	145.22	-1,228.36	10,305.77	998.18	930.60	67.58	14.771	
18,400.00	7,186.33	7,801.24	7,290.34	190.33	21.23	147.91	-1,225.74	10,310.03	1,094.47	1,028.29	66.17	16.539	
18,500.00	7,186.59	7,821.95	7,310.43	191.99	21.55	150.33	-1,223.12	10,314.29	1,191.01	1,125.86	65.15	18.282	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-27 Offsets Incomplete (Need 1 Directional) - UPV 27-1H6 - Noble P&A Well - Actual Sperry Su										Offset Site Error:	0.00 usft
Survey Program:		100-SRC Energy_VESSI GyroFlex V4, 699-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	
19,700.00	7,189.63	7,062.32	6,622.19	211.99	46.49	-66.59	-47.69	13,010.74	1,186.35	969.27	217.08	5.465	
19,800.00	7,189.88	7,066.13	6,625.71	213.65	46.52	-66.78	-46.25	13,010.99	1,162.11	939.82	222.29	5.228	
19,900.00	7,190.13	7,069.93	6,629.21	215.32	46.56	-66.97	-44.80	13,011.24	1,146.08	919.32	226.76	5.054	
20,000.00	7,190.39	7,073.72	6,632.71	216.99	46.59	-67.16	-43.34	13,011.49	1,138.63	908.33	230.30	4.944	
20,035.40	7,190.48	7,075.06	6,633.94	217.58	46.60	-67.23	-42.82	13,011.58	1,138.08	906.79	231.29	4.921 CC, ES	
20,100.00	7,190.64	7,077.51	6,636.19	218.65	46.62	-67.35	-41.88	13,011.74	1,139.90	907.19	232.72	4.898 SF	
20,200.00	7,190.89	7,081.29	6,639.67	220.32	46.66	-67.54	-40.41	13,011.99	1,149.89	916.00	233.89	4.916	
20,242.80	7,191.00	7,082.91	6,641.15	221.04	46.67	-67.62	-39.78	13,012.09	1,156.77	922.93	233.85	4.947	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-27 Offsets Incomplete (Need 1 Directional) - UPV 27-2H6 - Noble PR Well - Actual VES Survey												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7800-SRC Energy_UNKNOWN												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	
18,400.00	7,186.33	7,370.24	6,825.95	190.33	23.87	-77.87	54.11	11,611.64	1,185.15	981.04	204.11	5.806	
18,500.00	7,186.59	7,351.45	6,808.19	191.99	23.79	-76.97	49.45	11,615.67	1,169.24	962.65	206.60	5.660	
18,600.00	7,186.84	7,332.55	6,790.33	193.66	23.72	-76.06	44.81	11,619.74	1,161.41	953.49	207.92	5.586	
18,645.18	7,186.95	7,323.97	6,782.22	194.41	23.69	-75.65	42.71	11,621.59	1,160.56	952.45	208.11	5.577	CC, ES, SF
18,700.00	7,187.09	7,313.54	6,772.35	195.33	23.65	-75.14	40.17	11,623.84	1,161.81	953.79	208.01	5.585	
18,800.00	7,187.35	7,291.10	6,751.13	196.99	23.56	-74.06	34.75	11,628.70	1,170.42	963.61	206.81	5.659	
18,900.00	7,187.60	7,260.61	6,722.33	198.66	23.45	-72.59	27.21	11,635.30	1,186.91	982.66	204.25	5.811	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-27 Offsets Incomplete (Need 1 Directional) - UPV 27-7H6 - Noble PR Well - Actual VES Survey												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7250-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	
17,500.00	7,184.05	7,384.35	7,063.48	175.35	18.54	-86.25	-982.66	11,617.32	1,153.69	1,100.94	52.75	21.871	
17,600.00	7,184.31	7,384.84	7,063.98	177.01	18.54	-86.54	-982.65	11,617.33	1,054.09	1,000.27	53.82	19.584	
17,700.00	7,184.56	7,385.34	7,064.47	178.68	18.55	-86.82	-982.65	11,617.33	954.58	899.44	55.15	17.310	
17,800.00	7,184.81	7,385.83	7,064.97	180.34	18.56	-87.11	-982.65	11,617.33	855.19	798.37	56.81	15.052	
17,900.00	7,185.07	7,386.33	7,065.46	182.01	18.56	-87.39	-982.64	11,617.33	755.95	696.97	58.98	12.816	
18,000.00	7,185.32	7,386.82	7,065.96	183.67	18.57	-87.68	-982.64	11,617.33	656.94	595.04	61.90	10.612	
18,100.00	7,185.57	7,387.32	7,066.45	185.33	18.58	-87.97	-982.63	11,617.33	558.29	492.28	66.01	8.457	
18,200.00	7,185.83	7,387.81	7,066.95	187.00	18.58	-88.25	-982.63	11,617.33	460.22	388.11	72.11	6.382	
18,300.00	7,186.08	7,388.31	7,067.44	188.66	18.59	-88.54	-982.63	11,617.33	363.20	281.38	81.82	4.439	
18,400.00	7,186.33	7,388.80	7,067.94	190.33	18.60	-88.83	-982.62	11,617.33	268.37	169.58	98.79	2.717	
18,500.00	7,186.59	7,389.30	7,068.43	191.99	18.60	-89.11	-982.62	11,617.34	179.26	47.06	132.21	1.356	Level 3
18,600.00	7,186.84	7,389.79	7,068.93	193.66	18.61	-89.40	-982.61	11,617.34	110.67	-84.30	194.96	0.568	Level 1
18,649.45	7,186.97	7,390.04	7,069.17	194.48	18.61	-89.54	-982.61	11,617.34	99.01	-113.58	212.59	0.466	Level 1, CC, ES, SF
18,700.00	7,187.09	7,390.29	7,069.42	195.33	18.62	-89.69	-982.61	11,617.34	111.17	-78.36	189.53	0.587	Level 1
18,800.00	7,187.35	7,390.78	7,069.92	196.99	18.62	-89.97	-982.61	11,617.34	180.19	55.95	124.24	1.450	Level 3
18,900.00	7,187.60	7,391.28	7,070.41	198.66	18.63	-90.26	-982.60	11,617.34	269.40	178.13	91.27	2.952	
19,000.00	7,187.85	7,391.77	7,070.91	200.32	18.64	-90.54	-982.60	11,617.34	364.26	289.19	75.07	4.852	
19,100.00	7,188.11	7,392.27	7,071.40	201.99	18.64	-90.83	-982.59	11,617.34	461.30	395.10	66.20	6.968	
19,200.00	7,188.36	7,392.76	7,071.90	203.65	18.65	-91.12	-982.59	11,617.34	559.38	498.44	60.94	9.179	
19,300.00	7,188.61	7,393.26	7,072.39	205.32	18.66	-91.40	-982.59	11,617.35	658.04	600.39	57.64	11.415	
19,400.00	7,188.87	7,393.75	7,072.89	206.99	18.66	-91.69	-982.58	11,617.35	757.05	701.55	55.50	13.641	
19,500.00	7,189.12	7,394.25	7,073.38	208.65	18.67	-91.98	-982.58	11,617.35	856.29	802.23	54.06	15.840	
19,600.00	7,189.37	7,394.74	7,073.88	210.32	18.68	-92.26	-982.57	11,617.35	955.68	902.61	53.08	18.006	
19,700.00	7,189.63	7,395.24	7,074.37	211.99	18.68	-92.55	-982.57	11,617.35	1,055.20	1,002.79	52.40	20.136	
19,800.00	7,189.88	7,395.73	7,074.87	213.65	18.69	-92.83	-982.57	11,617.35	1,154.79	1,102.85	51.94	22.233	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7550-SRC Energy_UNKNOWN												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	
18,900.00	7,187.60	7,369.18	7,119.73	198.66	17.80	-107.52	-945.06	12,968.73	1,111.36	1,050.25	61.11	18.187	
19,000.00	7,187.85	7,363.40	7,113.98	200.32	17.79	-105.49	-945.45	12,969.04	1,012.40	949.26	63.14	16.035	
19,100.00	7,188.11	7,357.77	7,108.38	201.99	17.78	-103.47	-945.84	12,969.33	913.64	847.97	65.67	13.912	
19,200.00	7,188.36	7,352.30	7,102.92	203.65	17.77	-101.46	-946.21	12,969.61	815.15	746.25	68.90	11.830	
19,300.00	7,188.61	7,346.97	7,097.61	205.32	17.76	-99.46	-946.57	12,969.88	717.04	643.91	73.13	9.805	
19,400.00	7,188.87	7,341.78	7,092.44	206.99	17.75	-97.48	-946.92	12,970.14	619.50	540.66	78.84	7.858	
19,500.00	7,189.12	7,336.72	7,087.39	208.65	17.74	-95.53	-947.26	12,970.39	522.83	435.99	86.84	6.021	
19,600.00	7,189.37	7,331.79	7,082.48	210.32	17.73	-93.60	-947.59	12,970.63	427.65	329.05	98.60	4.337	
19,700.00	7,189.63	7,326.98	7,077.68	211.99	17.72	-91.71	-947.92	12,970.86	335.21	218.33	116.88	2.868	
19,800.00	7,189.88	7,322.28	7,073.01	213.65	17.71	-89.85	-948.23	12,971.09	248.61	101.63	146.98	1.691	
19,900.00	7,190.13	7,317.71	7,068.45	215.32	17.71	-88.02	-948.54	12,971.30	176.66	-18.39	195.04	0.906 Level 1	
20,000.00	7,190.39	7,313.24	7,063.99	216.99	17.70	-86.24	-948.84	12,971.51	143.41	-89.86	233.27	0.615 Level 1	
20,003.31	7,190.39	7,313.09	7,063.85	217.04	17.70	-86.18	-948.85	12,971.52	143.37	-89.92	233.29	0.615 Level 1, CC, ES, SF	
20,100.00	7,190.64	7,308.87	7,059.64	218.65	17.69	-84.50	-949.13	12,971.71	172.87	-23.49	196.37	0.880 Level 1	
20,200.00	7,190.89	7,304.61	7,055.40	220.32	17.68	-82.80	-949.42	12,971.91	243.24	97.56	145.68	1.670	
20,242.80	7,191.00	7,302.82	7,053.61	221.04	17.68	-82.09	-949.54	12,971.99	278.92	146.20	132.73	2.101	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - COLTRANE-IGO 1 - 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	
10,900.00	7,167.32	7,113.32	7,113.32	66.66	250.29	88.11	-1,136.46	4,992.66	1,125.88	854.81	271.07	4.153	
11,000.00	7,167.57	7,113.57	7,113.57	68.27	250.30	88.28	-1,136.46	4,992.66	1,026.20	755.09	271.11	3.785	
11,100.00	7,167.82	7,113.82	7,113.82	69.88	250.31	88.45	-1,136.46	4,992.66	926.59	655.42	271.17	3.417	
11,200.00	7,168.08	7,114.08	7,114.08	71.50	250.32	88.62	-1,136.46	4,992.66	827.08	555.81	271.27	3.049	
11,300.00	7,168.33	7,114.33	7,114.33	73.11	250.33	88.78	-1,136.46	4,992.66	727.70	456.27	271.43	2.681	
11,400.00	7,168.58	7,114.58	7,114.58	74.73	250.34	88.95	-1,136.46	4,992.66	628.51	356.80	271.72	2.313	
11,500.00	7,168.84	7,114.84	7,114.84	76.35	250.35	89.12	-1,136.46	4,992.66	529.63	257.38	272.25	1.945	
11,600.00	7,169.09	7,115.09	7,115.09	77.98	250.35	89.29	-1,136.46	4,992.66	431.27	157.93	273.34	1.578	
11,700.00	7,169.34	7,115.34	7,115.34	79.60	250.36	89.46	-1,136.46	4,992.66	333.88	58.17	275.71	1.211	Level 2
11,800.00	7,169.59	7,115.59	7,115.59	81.23	250.37	89.63	-1,136.46	4,992.66	238.67	-42.74	281.41	0.848	Level 1
11,900.00	7,169.85	7,115.85	7,115.85	82.86	250.38	89.77	-1,136.46	4,992.66	148.88	-147.21	296.09	0.503	Level 1
12,000.00	7,170.10	7,116.10	7,116.10	84.50	250.39	89.95	-1,136.46	4,992.66	83.22	-247.27	330.49	0.252	Level 1
12,026.35	7,170.17	7,116.17	7,116.17	84.93	250.39	90.00	-1,136.46	4,992.66	78.94	-256.92	335.86	0.235	Level 1, CC, ES, SF
12,100.00	7,170.36	7,116.36	7,116.36	86.14	250.40	90.14	-1,136.46	4,992.66	107.97	-209.43	317.39	0.340	Level 1
12,200.00	7,170.61	7,116.61	7,116.61	87.78	250.41	90.32	-1,136.46	4,992.66	190.75	-103.60	294.35	0.648	Level 1
12,300.00	7,170.87	7,116.87	7,116.87	89.43	250.42	90.51	-1,136.46	4,992.66	284.81	-0.42	285.23	0.999	Level 1
12,400.00	7,171.12	7,117.12	7,117.12	91.07	250.43	90.69	-1,136.46	4,992.66	381.90	100.86	281.04	1.359	Level 3
12,500.00	7,171.38	7,117.38	7,117.38	92.72	250.44	90.88	-1,136.46	4,992.66	480.18	201.37	278.82	1.722	
12,600.00	7,171.63	7,117.63	7,117.63	94.36	250.44	91.06	-1,136.46	4,992.66	579.06	301.54	277.51	2.087	
12,700.00	7,171.89	7,117.89	7,117.89	96.01	250.45	91.25	-1,136.46	4,992.66	678.26	401.56	276.70	2.451	
12,800.00	7,172.14	7,118.14	7,118.14	97.66	250.46	91.43	-1,136.46	4,992.66	777.67	501.50	276.17	2.816	
12,900.00	7,172.40	7,118.40	7,118.40	99.31	250.47	91.62	-1,136.46	4,992.66	877.21	601.40	275.81	3.180	
13,000.00	7,172.65	7,118.65	7,118.65	100.96	250.48	91.80	-1,136.46	4,992.66	976.84	701.27	275.57	3.545	
13,100.00	7,172.91	7,118.91	7,118.91	102.61	250.49	91.99	-1,136.46	4,992.66	1,076.55	801.14	275.41	3.909	
13,200.00	7,173.16	7,119.16	7,119.16	104.26	250.50	92.17	-1,136.46	4,992.66	1,176.30	900.99	275.31	4.273	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - COLTRANE-PM J28-5 - 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	
9,500.00	7,163.77	7,132.77	7,132.77	44.62	250.98	-89.13	-857.28	3,651.04	1,198.10	923.37	274.72	4.361	
9,600.00	7,164.03	7,133.03	7,133.03	46.15	250.99	-89.20	-857.28	3,651.04	1,099.58	824.31	275.27	3.995	
9,700.00	7,164.28	7,133.28	7,133.28	47.69	251.00	-89.28	-857.28	3,651.04	1,001.36	725.42	275.94	3.629	
9,800.00	7,164.53	7,133.53	7,133.53	49.24	251.01	-89.35	-857.28	3,651.04	903.53	626.76	276.77	3.265	
9,900.00	7,164.79	7,133.79	7,133.79	50.79	251.02	-89.42	-857.28	3,651.04	806.23	528.39	277.84	2.902	
10,000.00	7,165.04	7,134.04	7,134.04	52.36	251.03	-89.50	-857.28	3,651.04	709.68	430.45	279.23	2.542	
10,100.00	7,165.29	7,134.29	7,134.29	53.93	251.03	-89.57	-857.28	3,651.04	614.24	333.11	281.13	2.185	
10,200.00	7,165.54	7,134.54	7,134.54	55.50	251.04	-89.65	-857.28	3,651.04	520.51	236.74	283.77	1.834	
10,300.00	7,165.80	7,134.80	7,134.80	57.08	251.05	-89.72	-857.28	3,651.04	429.62	142.01	287.62	1.494	Level 3
10,400.00	7,166.05	7,135.05	7,135.05	58.67	251.06	-89.79	-857.28	3,651.04	343.83	50.49	293.34	1.172	Level 2
10,500.00	7,166.30	7,135.30	7,135.30	60.26	251.07	-89.87	-857.28	3,651.04	268.06	-33.60	301.67	0.889	Level 1
10,600.00	7,166.56	7,135.56	7,135.56	61.85	251.08	-89.94	-857.28	3,651.04	213.31	-98.00	311.31	0.685	Level 1
10,681.79	7,166.76	7,135.76	7,135.76	63.16	251.09	-90.00	-857.28	3,651.04	197.00	-117.50	314.50	0.626	Level 1, CC, ES, SF
10,700.00	7,166.81	7,135.81	7,135.81	63.45	251.09	-90.01	-857.28	3,651.04	197.84	-116.15	314.00	0.630	Level 1
10,800.00	7,167.06	7,136.06	7,136.06	65.06	251.10	-90.09	-857.28	3,651.04	229.74	-75.31	305.06	0.753	Level 1
10,900.00	7,167.32	7,136.32	7,136.32	66.66	251.11	-90.16	-857.28	3,651.04	293.98	-0.35	294.33	0.999	Level 1
11,000.00	7,167.57	7,136.57	7,136.57	68.27	251.12	-90.23	-857.28	3,651.04	374.25	87.47	286.78	1.305	Level 3
11,100.00	7,167.82	7,136.82	7,136.82	69.88	251.12	-90.31	-857.28	3,651.04	462.28	180.26	282.02	1.639	
11,200.00	7,168.08	7,137.08	7,137.08	71.50	251.13	-90.38	-857.28	3,651.04	554.39	275.36	279.03	1.987	
11,300.00	7,168.33	7,137.33	7,137.33	73.11	251.14	-90.46	-857.28	3,651.04	648.83	371.72	277.12	2.341	
11,400.00	7,168.58	7,137.58	7,137.58	74.73	251.15	-90.53	-857.28	3,651.04	744.73	468.87	275.86	2.700	
11,500.00	7,168.84	7,137.84	7,137.84	76.35	251.16	-90.60	-857.28	3,651.04	841.59	566.56	275.03	3.060	
11,600.00	7,169.09	7,138.09	7,138.09	77.98	251.17	-90.68	-857.28	3,651.04	939.10	664.64	274.46	3.422	
11,700.00	7,169.34	7,138.34	7,138.34	79.60	251.18	-90.75	-857.28	3,651.04	1,037.09	763.00	274.08	3.784	
11,800.00	7,169.59	7,138.59	7,138.59	81.23	251.19	-90.82	-857.28	3,651.04	1,135.42	861.60	273.83	4.147	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - IGO 28-3H6 - 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	
11,300.00	7,168.33	7,106.33	7,106.33	73.11	250.04	-89.92	-22.84	4,838.36	1,176.16	858.13	318.03	3.698	
11,400.00	7,168.58	7,106.58	7,106.58	74.73	250.05	-89.93	-22.84	4,838.36	1,130.95	809.53	321.42	3.519	
11,500.00	7,168.84	7,106.84	7,106.84	76.35	250.06	-89.95	-22.84	4,838.36	1,093.04	768.39	324.64	3.367	
11,600.00	7,169.09	7,107.09	7,107.09	77.98	250.07	-89.96	-22.84	4,838.36	1,063.21	735.65	327.56	3.246	
11,700.00	7,169.34	7,107.34	7,107.34	79.60	250.08	-89.98	-22.84	4,838.36	1,042.16	712.14	330.02	3.158	
11,800.00	7,169.59	7,107.59	7,107.59	81.23	250.09	-89.99	-22.84	4,838.36	1,030.43	698.53	331.90	3.105	
11,852.97	7,169.73	7,107.73	7,107.73	82.10	250.09	-90.00	-22.84	4,838.36	1,028.59	695.97	332.62	3.092 CC, ES	
11,900.00	7,169.85	7,107.85	7,107.85	82.86	250.10	-90.01	-22.84	4,838.36	1,030.00	696.92	333.09	3.092 SF	
12,000.00	7,170.10	7,108.10	7,108.10	84.50	250.11	-90.02	-22.84	4,838.36	1,041.93	708.38	333.55	3.124	
12,100.00	7,170.36	7,108.36	7,108.36	86.14	250.12	-90.04	-22.84	4,838.36	1,063.36	730.04	333.32	3.190	
12,200.00	7,170.61	7,108.61	7,108.61	87.78	250.13	-90.05	-22.84	4,838.36	1,093.55	761.07	332.49	3.289	
12,300.00	7,170.87	7,108.87	7,108.87	89.43	250.13	-90.07	-22.84	4,838.36	1,131.80	800.64	331.16	3.418	
12,400.00	7,171.12	7,109.12	7,109.12	91.07	250.14	-90.08	-22.84	4,838.36	1,177.32	847.85	329.48	3.573	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												Offset Site Error:	0.00 usft
Survey Program: 139-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	
10,400.00	7,166.05	7,167.73	7,152.10	58.67	19.52	-90.43	-581.71	4,377.91	1,113.71	1,059.30	54.41	20.468	
10,500.00	7,166.30	7,167.54	7,151.91	60.26	19.52	-90.40	-581.71	4,377.91	1,023.94	967.22	56.72	18.052	
10,600.00	7,166.56	7,167.35	7,151.72	61.85	19.52	-90.38	-581.71	4,377.91	936.25	876.78	59.47	15.743	
10,700.00	7,166.81	7,167.15	7,151.52	63.45	19.52	-90.36	-581.71	4,377.91	851.28	788.53	62.75	13.566	
10,800.00	7,167.06	7,166.96	7,151.33	65.06	19.52	-90.33	-581.71	4,377.91	769.92	703.27	66.65	11.552	
10,900.00	7,167.32	7,166.77	7,151.14	66.66	19.52	-90.31	-581.71	4,377.91	693.45	622.21	71.25	9.733	
11,000.00	7,167.57	7,166.58	7,150.95	68.27	19.52	-90.29	-581.71	4,377.91	623.69	547.16	76.53	8.150	
11,100.00	7,167.82	7,166.39	7,150.76	69.88	19.52	-90.26	-581.71	4,377.91	563.11	480.81	82.29	6.843	
11,200.00	7,168.08	7,166.20	7,150.57	71.50	19.52	-90.24	-581.70	4,377.91	514.97	427.00	87.97	5.854	
11,300.00	7,168.33	7,166.01	7,150.38	73.11	19.52	-90.22	-581.70	4,377.91	483.01	390.50	92.51	5.221	
11,400.00	7,168.58	7,165.82	7,150.19	74.73	19.52	-90.19	-581.70	4,377.92	470.53	375.87	94.66	4.971	
11,409.48	7,168.61	7,165.81	7,150.18	74.89	19.52	-90.19	-581.70	4,377.92	470.44	375.73	94.71	4.967	CC, ES, SF
11,500.00	7,168.84	7,165.64	7,150.01	76.35	19.52	-90.17	-581.70	4,377.92	479.07	385.33	93.74	5.111	
11,600.00	7,169.09	7,165.45	7,149.82	77.98	19.52	-90.15	-581.70	4,377.92	507.55	417.39	90.16	5.630	
11,700.00	7,169.34	7,165.26	7,149.63	79.60	19.52	-90.13	-581.70	4,377.92	552.91	467.83	85.08	6.498	
11,800.00	7,169.59	7,165.08	7,149.45	81.23	19.52	-90.10	-581.70	4,377.92	611.41	531.76	79.64	7.677	
11,900.00	7,169.85	7,164.90	7,149.27	82.86	19.52	-90.09	-581.70	4,377.92	680.79	606.19	74.60	9.126	
12,000.00	7,170.10	7,164.73	7,149.10	84.50	19.52	-90.07	-581.70	4,377.92	758.70	688.38	70.32	10.789	
12,100.00	7,170.36	7,164.57	7,148.94	86.14	19.52	-90.05	-581.70	4,377.92	841.40	774.69	66.70	12.614	
12,200.00	7,170.61	7,164.40	7,148.77	87.78	19.52	-90.03	-581.70	4,377.92	927.51	863.84	63.67	14.567	
12,300.00	7,170.87	7,164.24	7,148.61	89.43	19.51	-90.01	-581.70	4,377.92	1,016.17	955.03	61.13	16.622	
12,400.00	7,171.12	7,164.07	7,148.44	91.07	19.51	-89.99	-581.70	4,377.92	1,106.76	1,047.75	59.01	18.755	
12,500.00	7,171.38	7,163.91	7,148.28	92.72	19.51	-89.97	-581.70	4,377.92	1,198.85	1,141.62	57.23	20.948	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - IGO FARMS J 28-20D - Noble PR Well - Actual Ensign Surveys												Offset Site Error:	0.00 usft
Survey Program: 120-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	
10,400.00	7,166.05	7,300.29	7,144.90	58.67	31.25	89.69	-1,730.21	4,356.78	1,195.75	1,136.85	58.90	20.300	
10,500.00	7,166.30	7,299.51	7,144.11	60.26	31.25	89.63	-1,730.19	4,356.79	1,114.83	1,053.60	61.23	18.208	
10,600.00	7,166.56	7,298.72	7,143.32	61.85	31.25	89.56	-1,730.18	4,356.80	1,037.23	973.28	63.95	16.220	
10,700.00	7,166.81	7,297.92	7,142.52	63.45	31.25	89.49	-1,730.17	4,356.80	963.77	896.66	67.11	14.362	
10,800.00	7,167.06	7,297.11	7,141.72	65.06	31.24	89.42	-1,730.15	4,356.81	895.46	824.74	70.72	12.662	
10,900.00	7,167.32	7,296.30	7,140.90	66.66	31.24	89.35	-1,730.14	4,356.82	833.58	758.79	74.79	11.146	
11,000.00	7,167.57	7,295.47	7,140.08	68.27	31.24	89.28	-1,730.13	4,356.83	779.66	700.40	79.25	9.838	
11,100.00	7,167.82	7,294.64	7,139.25	69.88	31.24	89.21	-1,730.11	4,356.84	735.44	651.45	83.99	8.757	
11,200.00	7,168.08	7,293.80	7,138.41	71.50	31.24	89.14	-1,730.10	4,356.85	702.76	613.99	88.77	7.917	
11,300.00	7,168.33	7,292.95	7,137.56	73.11	31.24	89.07	-1,730.08	4,356.86	683.28	590.02	93.25	7.327	
11,385.02	7,168.54	7,292.22	7,136.83	74.49	31.24	89.01	-1,730.07	4,356.86	677.97	581.44	96.53	7.023 CC	
11,400.00	7,168.58	7,292.09	7,136.70	74.73	31.24	89.00	-1,730.07	4,356.87	678.13	581.10	97.03	6.989 ES	
11,500.00	7,168.84	7,291.23	7,135.84	76.35	31.23	88.93	-1,730.05	4,356.88	687.65	587.92	99.73	6.895 SF	
11,600.00	7,169.09	7,290.35	7,134.96	77.98	31.23	88.85	-1,730.04	4,356.89	711.23	610.09	101.15	7.032	
11,700.00	7,169.34	7,289.47	7,134.07	79.60	31.23	88.78	-1,730.02	4,356.89	747.56	646.22	101.34	7.377	
11,800.00	7,169.59	7,288.57	7,133.18	81.23	31.23	88.70	-1,730.01	4,356.90	794.88	694.32	100.56	7.904	
11,900.00	7,169.85	7,287.70	7,132.31	82.86	31.23	88.65	-1,729.99	4,356.91	850.03	750.94	99.09	8.578	
12,000.00	7,170.10	7,286.87	7,131.48	84.50	31.23	88.60	-1,729.98	4,356.92	910.77	813.59	97.18	9.372	
12,100.00	7,170.36	7,286.04	7,130.65	86.14	31.22	88.53	-1,729.96	4,356.93	977.84	882.79	95.05	10.288	
12,200.00	7,170.61	7,285.20	7,129.81	87.78	31.22	88.46	-1,729.95	4,356.94	1,050.17	957.30	92.87	11.308	
12,300.00	7,170.87	7,284.35	7,128.96	89.43	31.22	88.39	-1,729.93	4,356.95	1,126.73	1,035.99	90.74	12.417	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - IGO FARMS J 28-31D - Noble PR Well - Actual Ensign Surveys												Offset Site Error:	0.00 usft
Survey Program: 147-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	
9,300.00	7,163.27	7,252.83	7,140.40	41.59	28.11	-89.62	-301.18	3,124.10	1,141.52	1,079.94	61.57	18.539	
9,400.00	7,163.52	7,253.57	7,141.15	43.10	28.11	-89.67	-301.19	3,124.11	1,068.53	1,004.39	64.14	16.659	
9,500.00	7,163.77	7,254.32	7,141.89	44.62	28.11	-89.73	-301.19	3,124.11	1,000.23	933.29	66.94	14.942	
9,600.00	7,164.03	7,255.06	7,142.63	46.15	28.11	-89.79	-301.19	3,124.11	937.64	867.71	69.93	13.408	
9,700.00	7,164.28	7,255.80	7,143.37	47.69	28.11	-89.84	-301.19	3,124.12	881.97	808.96	73.01	12.080	
9,800.00	7,164.53	7,256.54	7,144.11	49.24	28.11	-89.90	-301.19	3,124.12	834.61	758.60	76.01	10.980	
9,900.00	7,164.79	7,257.28	7,144.86	50.79	28.12	-89.96	-301.19	3,124.12	797.04	718.33	78.71	10.127	
10,000.00	7,165.04	7,258.03	7,145.60	52.36	28.12	-90.01	-301.19	3,124.13	770.69	689.87	80.82	9.535	
10,100.00	7,165.29	7,258.77	7,146.34	53.93	28.12	-90.07	-301.19	3,124.13	756.75	674.64	82.10	9.217	
10,156.52	7,165.43	7,259.19	7,146.76	54.82	28.12	-90.10	-301.20	3,124.13	754.63	672.25	82.39	9.160 CC, ES, SF	
10,200.00	7,165.54	7,259.51	7,147.08	55.50	28.12	-90.13	-301.20	3,124.13	755.88	673.50	82.38	9.176	
10,300.00	7,165.80	7,260.26	7,147.83	57.08	28.12	-90.18	-301.20	3,124.14	768.15	686.50	81.65	9.408	
10,400.00	7,166.05	7,261.00	7,148.57	58.67	28.12	-90.24	-301.20	3,124.14	792.94	712.88	80.06	9.904	
10,500.00	7,166.30	7,261.74	7,149.31	60.26	28.12	-90.29	-301.20	3,124.15	829.12	751.26	77.86	10.648	
10,600.00	7,166.56	7,262.49	7,150.06	61.85	28.12	-90.35	-301.20	3,124.15	875.29	799.96	75.33	11.619	
10,700.00	7,166.81	7,263.23	7,150.80	63.45	28.12	-90.41	-301.20	3,124.15	929.96	857.27	72.69	12.793	
10,800.00	7,167.06	7,263.98	7,151.55	65.06	28.13	-90.46	-301.20	3,124.16	991.72	921.61	70.11	14.145	
10,900.00	7,167.32	7,264.72	7,152.29	66.66	28.13	-90.52	-301.21	3,124.16	1,059.34	991.65	67.69	15.651	
11,000.00	7,167.57	7,265.47	7,153.04	68.27	28.13	-90.58	-301.21	3,124.16	1,131.76	1,066.29	65.47	17.287	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - IGO FARMS J 28-32D - Noble PR Well - Actual Ensign Surveys												Offset Site Error:	0.00 usft
Survey Program: 86-SRC Energy_ISCWSA REV 2 MWD												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
9,200.00	7,163.01	7,366.51	7,141.13	40.10	37.27	89.65	-1,749.89	3,105.82	1,163.57	1,101.07	62.50	18.616	
9,300.00	7,163.27	7,365.81	7,140.43	41.59	37.27	89.59	-1,749.88	3,105.83	1,084.95	1,020.53	64.41	16.844	
9,400.00	7,163.52	7,365.11	7,139.73	43.10	37.26	89.53	-1,749.87	3,105.83	1,010.11	943.46	66.65	15.155	
9,500.00	7,163.77	7,364.40	7,139.03	44.62	37.26	89.48	-1,749.86	3,105.84	939.96	870.75	69.21	13.581	
9,600.00	7,164.03	7,363.70	7,138.32	46.15	37.26	89.42	-1,749.85	3,105.85	875.64	803.60	72.04	12.155	
9,700.00	7,164.28	7,363.00	7,137.62	47.69	37.26	89.36	-1,749.84	3,105.85	818.50	743.48	75.03	10.910	
9,800.00	7,164.53	7,362.29	7,136.92	49.24	37.26	89.30	-1,749.83	3,105.86	770.17	692.19	77.98	9.877	
9,900.00	7,164.79	7,361.59	7,136.21	50.79	37.26	89.24	-1,749.82	3,105.87	732.37	651.75	80.62	9.085	
10,000.00	7,165.04	7,360.88	7,135.51	52.36	37.26	89.19	-1,749.80	3,105.87	706.80	624.17	82.63	8.554	
10,100.00	7,165.29	7,360.18	7,134.80	53.93	37.26	89.13	-1,749.79	3,105.88	694.82	611.07	83.75	8.296	
10,133.98	7,165.38	7,359.94	7,134.56	54.46	37.26	89.11	-1,749.79	3,105.88	693.99	610.08	83.91	8.271	CC, ES, SF
10,200.00	7,165.54	7,359.47	7,134.10	55.50	37.26	89.07	-1,749.78	3,105.89	697.12	613.24	83.88	8.311	
10,300.00	7,165.80	7,358.77	7,133.39	57.08	37.25	89.01	-1,749.77	3,105.89	713.57	630.43	83.14	8.583	
10,400.00	7,166.05	7,358.06	7,132.68	58.67	37.25	88.95	-1,749.76	3,105.90	743.22	661.41	81.81	9.084	
10,500.00	7,166.30	7,357.35	7,131.98	60.26	37.25	88.89	-1,749.75	3,105.91	784.59	704.37	80.22	9.780	
10,600.00	7,166.56	7,356.64	7,131.27	61.85	37.25	88.83	-1,749.74	3,105.91	835.93	757.32	78.62	10.633	
10,700.00	7,166.81	7,355.94	7,130.56	63.45	37.25	88.78	-1,749.73	3,105.92	895.53	818.41	77.12	11.612	
10,800.00	7,167.06	7,355.23	7,129.85	65.06	37.25	88.72	-1,749.72	3,105.93	961.86	886.08	75.78	12.692	
10,900.00	7,167.32	7,354.52	7,129.14	66.66	37.25	88.66	-1,749.70	3,105.93	1,033.62	959.02	74.60	13.855	
11,000.00	7,167.57	7,353.81	7,128.43	68.27	37.25	88.60	-1,749.69	3,105.94	1,109.76	1,036.20	73.57	15.085	
11,100.00	7,167.82	7,353.10	7,127.72	69.88	37.24	88.54	-1,749.68	3,105.95	1,189.44	1,116.79	72.65	16.371	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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													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		
13,600.00	7,174.18	7,102.18	7,102.18	110.82	249.90	87.99	-1,130.66	7,703.11	1,135.12	861.61	273.51	4.150		
13,700.00	7,174.43	7,102.43	7,102.43	112.46	249.91	88.17	-1,130.66	7,703.11	1,035.40	761.92	273.48	3.786		
13,800.00	7,174.68	7,102.68	7,102.68	114.09	249.91	88.34	-1,130.66	7,703.11	935.74	662.28	273.46	3.422		
13,900.00	7,174.94	7,102.94	7,102.94	115.73	249.92	88.52	-1,130.66	7,703.11	836.17	562.69	273.48	3.058		
14,000.00	7,175.19	7,103.19	7,103.19	117.37	249.93	88.70	-1,130.66	7,703.11	736.71	463.13	273.59	2.693		
14,100.00	7,175.44	7,103.44	7,103.44	119.01	249.94	88.88	-1,130.66	7,703.11	637.43	363.55	273.88	2.327		
14,200.00	7,175.70	7,103.70	7,103.70	120.65	249.95	89.05	-1,130.66	7,703.11	538.40	263.85	274.55	1.961		
14,300.00	7,175.95	7,103.95	7,103.95	122.29	249.96	89.23	-1,130.66	7,703.11	439.82	163.72	276.10	1.593		
14,400.00	7,176.20	7,104.20	7,104.20	123.93	249.97	89.41	-1,130.66	7,703.11	342.06	62.41	279.64	1.223	Level 2	
14,500.00	7,176.46	7,104.46	7,104.46	125.57	249.98	89.59	-1,130.66	7,703.11	246.10	-42.08	288.18	0.854	Level 1	
14,600.00	7,176.71	7,104.71	7,104.71	127.21	249.99	89.77	-1,130.66	7,703.11	155.34	-155.17	310.51	0.500	Level 1	
14,700.00	7,176.96	7,104.96	7,104.96	128.86	250.00	89.94	-1,130.66	7,703.11	86.25	-279.23	365.48	0.236	Level 1	
14,735.41	7,177.05	7,105.05	7,105.05	129.44	250.00	90.00	-1,130.66	7,703.11	78.78	-301.06	379.83	0.207	Level 1, CC, ES, SF	
14,800.00	7,177.21	7,105.21	7,105.21	130.51	250.00	90.12	-1,130.66	7,703.11	101.21	-255.25	356.46	0.284	Level 1	
14,900.00	7,177.47	7,105.47	7,105.47	132.17	250.01	90.30	-1,130.66	7,703.11	181.53	-134.82	316.35	0.574	Level 1	
15,000.00	7,177.72	7,105.72	7,105.72	133.82	250.02	90.49	-1,130.66	7,703.11	275.07	-24.72	299.79	0.918	Level 1	
15,100.00	7,177.97	7,105.97	7,105.97	135.48	250.03	90.67	-1,130.66	7,703.11	371.99	80.00	291.99	1.274	Level 3	
15,200.00	7,178.23	7,106.23	7,106.23	137.14	250.04	90.85	-1,130.66	7,703.11	470.20	182.47	287.73	1.634		
15,300.00	7,178.48	7,106.48	7,106.48	138.80	250.05	91.04	-1,130.66	7,703.11	569.03	283.87	285.16	1.995		
15,400.00	7,178.73	7,106.73	7,106.73	140.46	250.06	91.22	-1,130.66	7,703.11	668.21	384.71	283.50	2.357		
15,500.00	7,178.99	7,106.99	7,106.99	142.12	250.07	91.41	-1,130.66	7,703.11	767.61	485.23	282.37	2.718		
15,600.00	7,179.24	7,107.24	7,107.24	143.78	250.08	91.59	-1,130.66	7,703.11	867.14	585.55	281.58	3.079		
15,700.00	7,179.49	7,107.49	7,107.49	145.43	250.09	91.77	-1,130.66	7,703.11	966.77	685.75	281.02	3.440		
15,800.00	7,179.75	7,107.75	7,107.75	147.09	250.09	91.96	-1,130.66	7,703.11	1,066.47	785.86	280.61	3.801		
15,900.00	7,180.00	7,108.00	7,108.00	148.75	250.10	92.14	-1,130.66	7,703.11	1,166.22	885.91	280.31	4.160		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - WIEDEMAN J 28-17 - 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	
13,000.00	7,172.65	7,110.65	7,110.65	100.96	250.20	-89.74	-565.47	7,030.63	1,188.49	882.65	305.84	3.886	
13,100.00	7,172.91	7,110.91	7,110.91	102.61	250.21	-89.76	-565.47	7,030.63	1,102.24	792.13	310.11	3.554	
13,200.00	7,173.16	7,111.16	7,111.16	104.26	250.22	-89.79	-565.47	7,030.63	1,018.50	703.50	315.00	3.233	
13,300.00	7,173.42	7,111.42	7,111.42	105.91	250.22	-89.80	-565.47	7,030.63	936.96	616.47	320.49	2.924	
13,400.00	7,173.67	7,111.67	7,111.67	107.55	250.23	-89.81	-565.47	7,030.63	857.09	530.61	326.48	2.625	
13,500.00	7,173.92	7,111.92	7,111.92	109.19	250.24	-89.83	-565.47	7,030.63	779.70	446.66	333.04	2.341	
13,600.00	7,174.18	7,112.18	7,112.18	110.82	250.25	-89.86	-565.47	7,030.63	707.57	367.21	340.36	2.079	
13,700.00	7,174.43	7,112.43	7,112.43	112.46	250.26	-89.89	-565.47	7,030.63	642.95	294.64	348.30	1.846	
13,800.00	7,174.68	7,112.68	7,112.68	114.09	250.27	-89.92	-565.47	7,030.63	588.31	231.99	356.32	1.651	
13,900.00	7,174.94	7,112.94	7,112.94	115.73	250.28	-89.95	-565.47	7,030.63	546.65	183.27	363.38	1.504	
14,000.00	7,175.19	7,113.19	7,113.19	117.37	250.29	-89.98	-565.47	7,030.63	521.10	153.07	368.03	1.416	Level 3
14,086.39	7,175.41	7,113.41	7,113.41	118.78	250.29	-90.00	-565.47	7,030.63	513.89	144.85	369.04	1.392	Level 3, CC, ES, SF
14,100.00	7,175.44	7,113.44	7,113.44	119.01	250.30	-90.00	-565.47	7,030.63	514.07	145.16	368.91	1.393	Level 3
14,200.00	7,175.70	7,113.70	7,113.70	120.65	250.31	-90.03	-565.47	7,030.63	526.30	160.66	365.64	1.439	Level 3
14,300.00	7,175.95	7,113.95	7,113.95	122.29	250.31	-90.06	-565.47	7,030.63	556.52	197.44	359.08	1.550	
14,400.00	7,176.20	7,114.20	7,114.20	123.93	250.32	-90.09	-565.47	7,030.63	602.03	251.27	350.75	1.716	
14,500.00	7,176.46	7,114.46	7,114.46	125.57	250.33	-90.12	-565.47	7,030.63	659.67	317.62	342.05	1.929	
14,600.00	7,176.71	7,114.71	7,114.71	127.21	250.34	-90.14	-565.47	7,030.63	726.55	392.74	333.82	2.177	
14,700.00	7,176.96	7,114.96	7,114.96	128.86	250.35	-90.18	-565.47	7,030.63	801.38	474.80	326.58	2.454	
14,800.00	7,177.21	7,115.21	7,115.21	130.51	250.36	-90.22	-565.47	7,030.63	883.00	562.43	320.57	2.754	
14,900.00	7,177.47	7,115.47	7,115.47	132.17	250.37	-90.25	-565.47	7,030.63	968.38	652.88	315.50	3.069	
15,000.00	7,177.72	7,115.72	7,115.72	133.82	250.38	-90.28	-565.47	7,030.63	1,056.32	745.13	311.19	3.394	
15,100.00	7,177.97	7,115.97	7,115.97	135.48	250.39	-90.31	-565.47	7,030.63	1,146.25	838.72	307.53	3.727	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - WIEDEMAN J 28-18D - Noble SI Well - Actual Ensign Surveys												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 474-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	
11,800.00	7,169.59	7,355.50	7,147.59	81.23	37.19	-92.38	-460.17	5,762.34	1,155.37	1,075.12	80.25	14.398	
11,900.00	7,169.85	7,353.65	7,145.74	82.86	37.19	-92.10	-460.15	5,762.38	1,071.45	986.88	84.57	12.669	
12,000.00	7,170.10	7,351.84	7,143.93	84.50	37.19	-91.90	-460.13	5,762.41	992.21	902.50	89.71	11.060	
12,100.00	7,170.36	7,350.03	7,142.12	86.14	37.18	-91.73	-460.12	5,762.45	917.16	821.62	95.54	9.600	
12,200.00	7,170.61	7,348.22	7,140.32	87.78	37.18	-91.57	-460.10	5,762.49	847.29	745.25	102.03	8.304	
12,300.00	7,170.87	7,346.42	7,138.51	89.43	37.18	-91.41	-460.08	5,762.53	783.96	674.88	109.08	7.187	
12,400.00	7,171.12	7,344.62	7,136.72	91.07	37.18	-91.24	-460.06	5,762.57	728.89	612.50	116.39	6.263	
12,500.00	7,171.38	7,342.83	7,134.92	92.72	37.17	-91.08	-460.05	5,762.61	684.08	560.65	123.43	5.542	
12,600.00	7,171.63	7,341.04	7,133.13	94.36	37.17	-90.92	-460.03	5,762.65	651.64	522.21	129.44	5.034	
12,700.00	7,171.89	7,339.25	7,131.35	96.01	37.17	-90.75	-460.01	5,762.69	633.49	499.97	133.52	4.745	
12,766.69	7,172.06	7,338.06	7,130.16	97.11	37.16	-90.65	-460.00	5,762.71	629.97	495.16	134.81	4.673 CC, ES, SF	
12,800.00	7,172.14	7,337.46	7,129.56	97.66	37.16	-90.59	-459.99	5,762.72	630.85	495.87	134.98	4.674	
12,900.00	7,172.40	7,335.68	7,127.78	99.31	37.16	-90.43	-459.97	5,762.76	643.92	510.25	133.67	4.817	
13,000.00	7,172.65	7,333.91	7,126.01	100.96	37.16	-90.27	-459.95	5,762.80	671.78	541.78	129.99	5.168	
13,100.00	7,172.91	7,332.13	7,124.23	102.61	37.16	-90.11	-459.94	5,762.84	712.69	587.94	124.75	5.713	
13,200.00	7,173.16	7,330.36	7,122.46	104.26	37.15	-89.95	-459.92	5,762.88	764.57	645.82	118.75	6.439	
13,300.00	7,173.42	7,328.58	7,120.68	105.91	37.15	-89.78	-459.90	5,762.91	824.09	711.55	112.54	7.322	
13,400.00	7,173.67	7,326.76	7,118.86	107.55	37.15	-89.63	-459.88	5,762.95	888.36	781.96	106.40	8.349	
13,500.00	7,173.92	7,324.91	7,117.01	109.19	37.14	-89.48	-459.86	5,762.99	956.55	856.03	100.52	9.516	
13,600.00	7,174.18	7,323.05	7,115.15	110.82	37.14	-89.32	-459.84	5,763.03	1,029.56	934.42	95.15	10.821	
13,700.00	7,174.43	7,321.20	7,113.30	112.46	37.14	-89.16	-459.81	5,763.07	1,106.80	1,016.45	90.35	12.250	
13,800.00	7,174.68	7,319.35	7,111.45	114.09	37.14	-89.01	-459.79	5,763.11	1,187.43	1,101.32	86.11	13.789	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - WIEDEMAN J 28-21D - Noble SI Well - Actual Ensign Surveys												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 474-SRC Energy_ISCWSA REV 2 MWD												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
12,100.00	7,170.36	7,391.92	7,122.13	86.14	41.11	89.86	-1,743.69	5,959.30	1,121.57	1,029.75	91.82	12.215	
12,200.00	7,170.61	7,392.52	7,122.72	87.78	41.11	89.91	-1,743.68	5,959.30	1,041.30	944.92	96.37	10.805	
12,300.00	7,170.87	7,393.12	7,123.32	89.43	41.11	89.97	-1,743.68	5,959.31	964.71	863.25	101.46	9.509	
12,400.00	7,171.12	7,393.71	7,123.91	91.07	41.11	90.02	-1,743.68	5,959.31	892.77	785.72	107.04	8.340	
12,500.00	7,171.38	7,394.30	7,124.50	92.72	41.11	90.07	-1,743.67	5,959.31	826.68	713.64	113.04	7.313	
12,600.00	7,171.63	7,394.89	7,125.09	94.36	41.11	90.12	-1,743.67	5,959.31	767.96	648.77	119.19	6.443	
12,700.00	7,171.89	7,395.47	7,125.67	96.01	41.11	90.18	-1,743.67	5,959.31	718.42	593.32	125.10	5.743	
12,800.00	7,172.14	7,396.05	7,126.26	97.66	41.12	90.23	-1,743.66	5,959.32	680.07	549.92	130.15	5.225	
12,900.00	7,172.40	7,396.63	7,126.84	99.31	41.12	90.28	-1,743.66	5,959.32	654.87	521.25	133.62	4.901	
13,000.00	7,172.65	7,397.21	7,127.42	100.96	41.12	90.33	-1,743.66	5,959.32	644.38	509.45	134.92	4.776	
13,018.19	7,172.70	7,397.32	7,127.52	101.26	41.12	90.34	-1,743.66	5,959.32	644.12	509.22	134.90	4.775 CC, ES, SF	
13,100.00	7,172.91	7,397.79	7,127.99	102.61	41.12	90.38	-1,743.65	5,959.32	649.30	515.44	133.86	4.851	
13,200.00	7,173.16	7,398.36	7,128.57	104.26	41.12	90.43	-1,743.65	5,959.32	669.29	538.52	130.76	5.118	
13,300.00	7,173.42	7,398.95	7,129.15	105.91	41.12	90.50	-1,743.65	5,959.33	704.55	578.18	126.37	5.575	
13,400.00	7,173.67	7,399.55	7,129.75	107.55	41.12	90.57	-1,743.64	5,959.33	754.51	632.97	121.53	6.208	
13,500.00	7,173.92	7,400.16	7,130.36	109.19	41.12	90.63	-1,743.64	5,959.33	816.17	699.31	116.86	6.984	
13,600.00	7,174.18	7,400.78	7,130.98	110.82	41.12	90.69	-1,743.64	5,959.33	885.28	772.73	112.55	7.866	
13,700.00	7,174.43	7,401.39	7,131.59	112.46	41.12	90.75	-1,743.63	5,959.33	959.84	851.17	108.68	8.832	
13,800.00	7,174.68	7,402.00	7,132.20	114.09	41.12	90.81	-1,743.63	5,959.34	1,038.69	933.44	105.25	9.869	
13,900.00	7,174.94	7,402.61	7,132.81	115.73	41.12	90.86	-1,743.63	5,959.34	1,120.92	1,018.69	102.23	10.965	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - WIEDEMAN J 28-22D - Noble SI Well - Actual Ensign Surveys												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 474-SRC Energy_ISCWSA REV 2 MWD												Offset Well Error:	3.28 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,000.00	7,172.65	7,247.06	7,120.60	100.96	30.87	89.32	-1,639.36	7,037.16	1,197.08	1,123.07	74.02	16.173	
13,100.00	7,172.91	7,248.64	7,122.18	102.61	30.87	89.51	-1,639.32	7,037.18	1,106.75	1,029.30	77.45	14.290	
13,200.00	7,173.16	7,250.24	7,123.78	104.26	30.87	89.69	-1,639.28	7,037.21	1,018.22	936.75	81.48	12.497	
13,300.00	7,173.42	7,251.91	7,125.44	105.91	30.87	89.90	-1,639.24	7,037.23	932.90	846.54	86.36	10.803	
13,400.00	7,173.67	7,253.68	7,127.22	107.55	30.87	90.09	-1,639.20	7,037.26	852.90	760.55	92.36	9.235	
13,500.00	7,173.92	7,255.56	7,129.10	109.19	30.88	90.29	-1,639.15	7,037.29	779.78	680.24	99.54	7.834	
13,600.00	7,174.18	7,257.48	7,131.02	110.82	30.88	90.48	-1,639.10	7,037.32	713.66	605.99	107.67	6.628	
13,700.00	7,174.43	7,259.44	7,132.97	112.46	30.88	90.68	-1,639.05	7,037.36	656.17	539.72	116.45	5.635	
13,800.00	7,174.68	7,261.43	7,134.96	114.09	30.88	90.89	-1,639.00	7,037.39	609.75	484.41	125.34	4.865	
13,900.00	7,174.94	7,263.45	7,136.98	115.73	30.88	91.09	-1,638.95	7,037.42	577.09	443.64	133.44	4.325	
14,000.00	7,175.19	7,265.50	7,139.03	117.37	30.89	91.31	-1,638.90	7,037.46	560.58	420.92	139.66	4.014	
14,043.93	7,175.30	7,266.41	7,139.94	118.09	30.89	91.40	-1,638.88	7,037.47	558.86	417.32	141.54	3.948 CC, ES	
14,100.00	7,175.44	7,267.59	7,141.12	119.01	30.89	91.52	-1,638.85	7,037.49	561.66	418.58	143.08	3.925 SF	
14,200.00	7,175.70	7,269.71	7,143.24	120.65	30.89	91.74	-1,638.79	7,037.53	580.23	436.79	143.45	4.045	
14,300.00	7,175.95	7,271.87	7,145.40	122.29	30.89	91.96	-1,638.74	7,037.57	614.71	473.52	141.19	4.354	
14,400.00	7,176.20	7,274.07	7,147.60	123.93	30.89	92.18	-1,638.68	7,037.61	662.61	525.42	137.19	4.830	
14,500.00	7,176.46	7,276.31	7,149.84	125.57	30.90	92.41	-1,638.63	7,037.65	721.27	588.97	132.31	5.452	
14,600.00	7,176.71	7,278.59	7,152.11	127.21	30.90	92.65	-1,638.57	7,037.69	788.29	661.10	127.19	6.198	
14,700.00	7,176.96	7,280.87	7,154.39	128.86	30.90	92.78	-1,638.51	7,037.73	860.68	738.53	122.15	7.046	
14,800.00	7,177.21	7,283.10	7,156.62	130.51	30.90	92.93	-1,638.46	7,037.77	936.19	818.93	117.26	7.984	
14,900.00	7,177.47	7,285.35	7,158.88	132.17	30.91	93.14	-1,638.40	7,037.81	1,015.60	902.84	112.76	9.007	
15,000.00	7,177.72	7,287.65	7,161.17	133.82	30.91	93.37	-1,638.34	7,037.86	1,098.37	989.67	108.70	10.105	
15,100.00	7,177.97	7,289.99	7,163.51	135.48	30.91	93.59	-1,638.28	7,037.90	1,183.80	1,078.73	105.07	11.267	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-28 Offsets - WIEDEMAN-PM J28-2 - 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	
13,100.00	7,172.91	7,114.91	7,114.91	102.61	250.35	-89.97	46.36	6,372.10	1,189.36	837.51	351.85	3.380	
13,200.00	7,173.16	7,115.16	7,115.16	104.26	250.36	-89.98	46.36	6,372.10	1,172.10	817.43	354.67	3.305	
13,300.00	7,173.42	7,115.42	7,115.42	105.91	250.37	-89.99	46.36	6,372.10	1,161.59	804.75	356.84	3.255	
13,400.00	7,173.67	7,115.67	7,115.67	107.55	250.38	-90.00	46.36	6,372.10	1,156.15	797.86	358.29	3.227	
13,443.41	7,173.78	7,115.78	7,115.78	108.26	250.38	-90.00	46.36	6,372.10	1,155.53	796.85	358.68	3.222 CC, ES	
13,500.00	7,173.92	7,115.92	7,115.92	109.19	250.38	-90.01	46.36	6,372.10	1,156.16	797.20	358.96	3.221 SF	
13,600.00	7,174.18	7,116.18	7,116.18	110.82	250.39	-90.02	46.36	6,372.10	1,164.21	805.33	358.87	3.244	
13,700.00	7,174.43	7,116.43	7,116.43	112.46	250.40	-90.03	46.36	6,372.10	1,180.70	822.65	358.05	3.298	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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													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		
12,100.00	7,170.36	7,117.36	7,117.36	86.14	250.43	-87.94	-1,027.61	6,257.30	1,188.14	914.27	273.87	4.338		
12,200.00	7,170.61	7,117.61	7,117.61	87.78	250.44	-88.12	-1,027.61	6,257.30	1,088.41	814.18	274.23	3.969		
12,300.00	7,170.87	7,117.87	7,117.87	89.43	250.45	-88.29	-1,027.61	6,257.30	988.74	714.08	274.66	3.600		
12,400.00	7,171.12	7,118.12	7,118.12	91.07	250.46	-88.46	-1,027.61	6,257.30	889.14	613.95	275.19	3.231		
12,500.00	7,171.38	7,118.38	7,118.38	92.72	250.47	-88.64	-1,027.61	6,257.30	789.65	513.77	275.88	2.862		
12,600.00	7,171.63	7,118.63	7,118.63	94.36	250.48	-88.81	-1,027.61	6,257.30	690.30	413.50	276.80	2.494		
12,700.00	7,171.89	7,118.89	7,118.89	96.01	250.49	-88.98	-1,027.61	6,257.30	591.17	313.07	278.09	2.126		
12,800.00	7,172.14	7,119.14	7,119.14	97.66	250.50	-89.16	-1,027.61	6,257.30	492.39	212.36	280.03	1.758		
12,900.00	7,172.40	7,119.40	7,119.40	99.31	250.51	-89.33	-1,027.61	6,257.30	394.23	111.07	283.16	1.392 Level 3		
13,000.00	7,172.65	7,119.65	7,119.65	100.96	250.52	-89.50	-1,027.61	6,257.30	297.29	8.51	288.78	1.029 Level 2		
13,100.00	7,172.91	7,119.91	7,119.91	102.61	250.53	-89.68	-1,027.61	6,257.30	203.35	-97.01	300.36	0.677 Level 1		
13,200.00	7,173.16	7,120.16	7,120.16	104.26	250.53	-89.85	-1,027.61	6,257.30	119.66	-208.31	327.97	0.365 Level 1		
13,287.62	7,173.38	7,120.38	7,120.38	105.71	250.54	-90.00	-1,027.61	6,257.30	82.81	-273.86	356.67	0.232 Level 1, CC, ES, SF		
13,300.00	7,173.42	7,120.42	7,120.42	105.91	250.54	-90.02	-1,027.61	6,257.30	83.76	-271.15	354.91	0.236 Level 1		
13,400.00	7,173.67	7,120.67	7,120.67	107.55	250.55	-90.19	-1,027.61	6,257.30	138.32	-173.59	311.91	0.443 Level 1		
13,500.00	7,173.92	7,120.92	7,120.92	109.19	250.56	-90.34	-1,027.61	6,257.30	225.18	-63.66	288.84	0.780 Level 1		
13,600.00	7,174.18	7,121.18	7,121.18	110.82	250.57	-90.51	-1,027.61	6,257.30	319.65	39.61	280.04	1.141 Level 2		
13,700.00	7,174.43	7,121.43	7,121.43	112.46	250.58	-90.67	-1,027.61	6,257.30	416.71	140.20	276.51	1.507		
13,800.00	7,174.68	7,121.68	7,121.68	114.09	250.59	-90.84	-1,027.61	6,257.30	514.90	239.84	275.06	1.872		
13,900.00	7,174.94	7,121.94	7,121.94	115.73	250.60	-91.00	-1,027.61	6,257.30	613.67	339.17	274.50	2.236		
14,000.00	7,175.19	7,122.19	7,122.19	117.37	250.61	-91.17	-1,027.61	6,257.30	712.79	438.44	274.35	2.598		
14,100.00	7,175.44	7,122.44	7,122.44	119.01	250.62	-91.33	-1,027.61	6,257.30	812.12	537.74	274.38	2.960		
14,200.00	7,175.70	7,122.70	7,122.70	120.65	250.62	-91.50	-1,027.61	6,257.30	911.60	637.09	274.51	3.321		
14,300.00	7,175.95	7,122.95	7,122.95	122.29	250.63	-91.66	-1,027.61	6,257.30	1,011.18	736.49	274.68	3.681		
14,400.00	7,176.20	7,123.20	7,123.20	123.93	250.64	-91.83	-1,027.61	6,257.30	1,110.83	835.95	274.88	4.041		

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 824-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	
9,500.00	7,163.77	6,982.12	6,880.48	44.62	33.67	74.92	-2,031.83	3,109.68	1,194.36	1,127.80	66.56	17.945	
9,600.00	7,164.03	7,002.97	6,899.25	46.15	33.66	75.95	-2,031.18	3,118.73	1,143.83	1,074.47	69.36	16.492	
9,700.00	7,164.28	7,027.45	6,920.86	47.69	33.64	77.14	-2,030.41	3,130.21	1,099.17	1,026.84	72.33	15.197	
9,800.00	7,164.53	7,061.00	6,949.60	49.24	33.62	78.74	-2,029.27	3,147.46	1,060.84	985.48	75.36	14.076	
9,900.00	7,164.79	7,094.89	6,977.46	50.79	33.59	80.31	-2,027.91	3,166.70	1,029.05	950.63	78.42	13.123	
10,000.00	7,165.04	7,133.54	7,007.58	52.36	33.56	82.02	-2,026.11	3,190.84	1,003.87	922.49	81.38	12.336	
10,100.00	7,165.29	7,171.67	7,035.48	53.93	33.53	83.63	-2,024.67	3,216.78	985.68	901.47	84.20	11.706	
10,200.00	7,165.54	7,212.51	7,063.27	55.50	33.49	85.25	-2,024.02	3,246.68	974.68	887.86	86.82	11.227	
10,300.00	7,165.80	7,298.44	7,115.33	57.08	33.42	88.31	-2,023.69	3,314.98	969.76	880.79	88.97	10.900	
10,400.00	7,166.05	7,391.33	7,162.00	58.67	33.37	91.06	-2,021.57	3,395.17	966.96	875.92	91.04	10.622	
10,500.00	7,166.30	7,489.32	7,197.12	60.26	33.44	93.13	-2,018.84	3,486.50	965.62	872.38	93.23	10.357	
10,600.00	7,166.56	7,586.35	7,217.16	61.85	34.10	94.32	-2,015.85	3,581.30	964.14	868.37	95.76	10.068	
10,679.17	7,166.76	7,657.07	7,224.27	63.12	35.00	94.73	-2,014.76	3,651.63	963.76	865.83	97.93	9.841	
10,700.00	7,166.81	7,675.18	7,225.45	63.45	35.26	94.80	-2,014.63	3,669.71	963.79	865.26	98.53	9.782	
10,800.00	7,167.06	7,772.54	7,229.47	65.06	36.81	95.02	-2,014.58	3,766.98	964.36	862.72	101.64	9.488	
10,900.00	7,167.32	7,882.59	7,229.53	66.66	38.80	95.01	-2,014.42	3,877.01	964.50	859.33	105.16	9.171	
11,000.00	7,167.57	7,977.85	7,227.09	68.27	40.74	94.85	-2,014.12	3,972.24	964.24	855.50	108.74	8.868	
11,047.41	7,167.69	8,028.10	7,225.92	69.03	41.84	94.77	-2,014.03	4,022.47	964.19	853.60	110.59	8.718	
11,100.00	7,167.82	8,084.43	7,224.29	69.88	43.09	94.67	-2,013.75	4,078.78	963.95	851.27	112.67	8.555	
11,200.00	7,168.08	8,189.16	7,221.18	71.50	45.57	94.47	-2,012.76	4,183.46	963.03	846.26	116.77	8.247	
11,300.00	7,168.33	8,286.04	7,218.67	73.11	47.99	94.31	-2,011.51	4,280.29	961.83	841.00	120.83	7.960	
11,337.47	7,168.42	8,315.68	7,218.07	73.72	48.75	94.27	-2,011.35	4,309.94	961.68	839.44	122.24	7.867	
11,400.00	7,168.58	8,365.14	7,217.34	74.73	50.03	94.22	-2,011.61	4,359.38	962.11	837.53	124.58	7.723	
11,500.00	7,168.84	8,443.45	7,216.37	76.35	52.13	94.14	-2,013.41	4,437.67	964.59	836.27	128.32	7.517	
11,600.00	7,169.09	8,519.60	7,215.29	77.98	54.21	94.05	-2,016.95	4,513.72	969.41	837.40	132.00	7.344	
11,700.00	7,169.34	8,634.32	7,214.86	79.60	57.42	93.98	-2,023.62	4,628.24	975.57	838.68	136.89	7.127	
11,800.00	7,169.59	8,752.29	7,217.71	81.23	60.81	94.11	-2,027.25	4,746.11	979.07	837.17	141.90	6.900	
11,900.00	7,169.85	8,846.29	7,220.55	82.86	63.58	94.25	-2,029.82	4,840.04	980.61	834.34	146.27	6.704	
12,000.00	7,170.10	8,975.57	7,223.73	84.50	67.45	94.43	-2,032.02	4,969.25	978.50	826.79	151.71	6.450	
12,100.00	7,170.36	9,128.56	7,222.81	86.14	72.10	94.41	-2,027.22	5,122.14	970.76	813.13	157.63	6.158	
12,200.00	7,170.61	9,229.75	7,221.33	87.78	75.22	94.35	-2,021.88	5,223.18	961.10	798.73	162.37	5.919	
12,300.00	7,170.87	9,347.16	7,220.67	89.43	78.86	94.35	-2,014.17	5,340.32	950.21	782.80	167.41	5.676	
12,400.00	7,171.12	9,446.43	7,219.29	91.07	81.97	94.30	-2,006.49	5,439.29	938.12	765.97	172.15	5.449	
12,500.00	7,171.38	9,527.50	7,217.46	92.72	84.53	94.22	-2,001.21	5,520.17	927.21	750.62	176.59	5.251	
12,600.00	7,171.63	9,602.07	7,215.06	94.36	86.89	94.08	-1,998.34	5,594.64	918.83	737.98	180.85	5.081	
12,700.00	7,171.89	9,685.79	7,212.78	96.01	89.57	93.95	-1,996.91	5,678.31	912.64	727.37	185.28	4.926	
12,800.00	7,172.14	9,768.62	7,211.93	97.66	92.23	93.90	-1,996.91	5,761.13	908.27	718.64	189.63	4.790	
12,900.00	7,172.40	9,859.31	7,211.91	99.31	95.16	93.89	-1,998.25	5,851.82	905.43	711.23	194.20	4.662	
13,000.00	7,172.65	9,953.34	7,211.75	100.96	98.21	93.88	-2,000.36	5,945.82	903.36	704.48	198.89	4.542	
13,100.00	7,172.91	10,053.61	7,211.75	102.61	101.47	93.87	-2,002.98	6,046.06	901.66	697.86	203.80	4.424	
13,200.00	7,173.16	10,149.09	7,211.24	104.26	104.59	93.83	-2,005.60	6,141.50	900.07	691.51	208.56	4.316	
13,233.43	7,173.25	10,181.06	7,211.03	104.81	105.64	93.81	-2,006.61	6,173.46	899.86	689.70	210.16	4.282 CC	
13,300.00	7,173.42	10,245.49	7,210.62	105.91	107.75	93.77	-2,008.76	6,237.85	900.63	687.26	213.37	4.221	
13,400.00	7,173.67	10,339.32	7,210.12	107.55	110.83	93.72	-2,012.29	6,331.61	905.16	687.08	218.08	4.151	
13,500.00	7,173.92	10,470.56	7,210.92	109.19	115.16	93.72	-2,015.68	6,462.79	911.83	687.71	224.12	4.068	
13,600.00	7,174.18	10,587.71	7,210.92	110.82	119.02	93.69	-2,014.65	6,579.93	915.43	685.85	229.58	3.987	
13,700.00	7,174.43	10,678.18	7,209.82	112.46	122.02	93.59	-2,013.98	6,670.40	919.20	684.92	234.27	3.924	
13,800.00	7,174.68	10,763.29	7,209.14	114.09	124.85	93.52	-2,014.41	6,755.49	924.24	685.47	238.77	3.871	
13,900.00	7,174.94	10,845.56	7,208.92	115.73	127.58	93.47	-2,016.43	6,837.74	931.21	688.11	243.10	3.831	
14,000.00	7,175.19	10,940.82	7,208.53	117.37	130.76	93.40	-2,019.97	6,932.94	939.46	691.55	247.91	3.790	
14,100.00	7,175.44	11,047.70	7,207.81	119.01	134.32	93.31	-2,023.18	7,039.77	946.97	693.78	253.18	3.740	
14,200.00	7,175.70	11,139.22	7,207.29	120.65	137.38	93.24	-2,026.60	7,131.22	955.20	697.35	257.85	3.705	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 824-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	
14,300.00	7,175.95	11,281.24	7,207.94	122.29	142.13	93.22	-2,029.74	7,273.18	962.26	697.94	264.32	3.640	
14,400.00	7,176.20	11,398.57	7,210.20	123.93	146.06	93.33	-2,027.46	7,390.47	964.95	695.19	269.76	3.577	
14,500.00	7,176.46	11,508.15	7,211.01	125.57	149.72	93.36	-2,024.31	7,500.00	966.70	691.73	274.97	3.516	
14,600.00	7,176.71	11,615.83	7,211.64	127.21	153.33	93.38	-2,019.89	7,607.58	967.18	687.07	280.12	3.453	
14,700.00	7,176.96	11,705.19	7,212.26	128.86	156.33	93.40	-2,016.67	7,696.89	966.62	681.74	284.88	3.393	
14,800.00	7,177.21	11,804.63	7,212.02	130.51	161.49	93.38	-2,013.86	7,796.28	963.60	671.91	291.69	3.304	
14,887.80	7,177.44	11,856.00	7,211.55	131.96	172.92	93.35	-2,012.34	7,847.63	960.97	656.24	304.73	3.154	
14,900.00	7,177.47	11,856.00	7,211.55	132.17	172.92	93.35	-2,012.34	7,847.63	961.05	656.15	304.89	3.152 ES, SF	
15,000.00	7,177.72	11,856.00	7,211.55	133.82	172.92	93.35	-2,012.34	7,847.63	967.50	663.01	304.49	3.177	
15,100.00	7,177.97	11,856.00	7,211.55	135.48	172.92	93.35	-2,012.34	7,847.63	984.12	683.00	301.11	3.268	
15,200.00	7,178.23	11,856.00	7,211.55	137.14	172.92	93.35	-2,012.34	7,847.63	1,010.41	715.25	295.16	3.423	
15,300.00	7,178.48	11,856.00	7,211.55	138.80	172.92	93.35	-2,012.34	7,847.63	1,045.64	758.46	287.18	3.641	
15,400.00	7,178.73	11,856.00	7,211.55	140.46	172.92	93.35	-2,012.34	7,847.63	1,088.95	811.15	277.80	3.920	
15,500.00	7,178.99	11,856.00	7,211.55	142.12	172.92	93.35	-2,012.34	7,847.63	1,139.41	871.83	267.58	4.258	
15,600.00	7,179.24	11,856.00	7,211.55	143.78	172.92	93.35	-2,012.34	7,847.63	1,196.11	939.10	257.01	4.654	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 29-17D - Noble PR Well - Actual En												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_2" CONE_2.448, 517-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	
7,900.00	7,159.72	7,257.88	7,155.84	23.06	30.00	-90.81	-674.71	1,917.75	1,117.37	1,066.15	51.21	21.818	
8,000.00	7,159.98	7,257.63	7,155.59	24.08	30.00	-90.78	-674.71	1,917.75	1,024.06	972.23	51.82	19.760	
8,100.00	7,160.23	7,257.38	7,155.34	25.19	30.00	-90.74	-674.71	1,917.75	932.14	879.57	52.57	17.730	
8,200.00	7,160.48	7,257.14	7,155.10	26.36	30.00	-90.70	-674.71	1,917.75	842.07	788.57	53.50	15.740	
8,300.00	7,160.74	7,256.89	7,154.85	27.58	30.00	-90.67	-674.71	1,917.75	754.50	699.85	54.64	13.808	
8,400.00	7,160.99	7,256.64	7,154.60	28.85	30.00	-90.63	-674.70	1,917.76	670.41	614.35	56.06	11.959	
8,500.00	7,161.24	7,256.39	7,154.35	30.16	30.00	-90.59	-674.70	1,917.76	591.31	533.52	57.78	10.233	
8,600.00	7,161.50	7,256.13	7,154.09	31.50	30.00	-90.55	-674.70	1,917.76	519.45	459.67	59.79	8.689	
8,700.00	7,161.75	7,255.88	7,153.84	32.88	30.00	-90.52	-674.70	1,917.76	458.28	396.42	61.86	7.409	
8,800.00	7,162.00	7,255.63	7,153.59	34.28	30.00	-90.48	-674.70	1,917.76	412.56	349.10	63.46	6.501	
8,900.00	7,162.25	7,255.37	7,153.33	35.71	30.00	-90.44	-674.69	1,917.76	387.81	324.03	63.78	6.080	
8,949.06	7,162.38	7,255.25	7,153.21	36.42	30.00	-90.42	-674.69	1,917.76	384.70	321.40	63.29	6.078 CC, ES, SF	
9,000.00	7,162.51	7,255.12	7,153.08	37.15	30.00	-90.40	-674.69	1,917.76	388.05	325.71	62.35	6.224	
9,100.00	7,162.76	7,254.86	7,152.82	38.62	30.00	-90.36	-674.69	1,917.76	413.25	353.56	59.69	6.924	
9,200.00	7,163.01	7,254.60	7,152.56	40.10	30.00	-90.32	-674.69	1,917.77	459.31	402.48	56.83	8.083	
9,300.00	7,163.27	7,254.34	7,152.30	41.59	30.00	-90.29	-674.69	1,917.77	520.72	466.32	54.40	9.572	
9,400.00	7,163.52	7,254.08	7,152.04	43.10	30.00	-90.25	-674.68	1,917.77	592.74	540.18	52.56	11.278	
9,500.00	7,163.77	7,253.82	7,151.78	44.62	30.00	-90.21	-674.68	1,917.77	671.96	620.74	51.21	13.121	
9,600.00	7,164.03	7,253.56	7,151.52	46.15	30.00	-90.17	-674.68	1,917.77	756.12	705.87	50.25	15.048	
9,700.00	7,164.28	7,253.29	7,151.25	47.69	30.00	-90.13	-674.68	1,917.77	843.74	794.19	49.56	17.026	
9,800.00	7,164.53	7,253.03	7,150.99	49.24	30.00	-90.09	-674.68	1,917.77	933.86	884.79	49.06	19.034	
9,900.00	7,164.79	7,252.76	7,150.72	50.79	30.00	-90.05	-674.67	1,917.78	1,025.80	977.09	48.71	21.059	
10,000.00	7,165.04	7,252.49	7,150.45	52.36	30.00	-90.01	-674.67	1,917.78	1,119.13	1,070.68	48.46	23.094	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												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	91.18	-24.01	1,163.20	1,163.51				
100.00	100.00	88.00	88.00	3.28	3.55	91.18	-24.01	1,163.20	1,163.45	1,155.83	7.62	152.610	
200.00	200.00	188.00	188.00	3.31	5.70	91.18	-24.01	1,163.20	1,163.45	1,153.65	9.79	118.781	
300.00	299.98	287.98	287.98	3.34	8.83	-92.55	-24.01	1,163.20	1,163.53	1,150.56	12.97	89.714	
400.00	399.84	387.84	387.84	3.40	12.19	-92.80	-24.01	1,163.20	1,163.77	1,147.39	16.38	71.038	
500.00	499.45	487.37	487.37	3.49	14.97	-93.22	-23.99	1,163.20	1,164.23	1,144.99	19.24	60.495	
600.00	598.70	586.80	586.80	3.60	16.12	-93.81	-23.74	1,163.22	1,165.00	1,144.48	20.52	56.786	
700.00	697.53	686.79	686.79	3.75	16.13	-94.55	-23.82	1,163.16	1,166.06	1,145.39	20.67	56.413	
800.00	796.30	784.86	784.86	3.93	16.14	-95.29	-24.05	1,163.09	1,167.34	1,146.48	20.86	55.957	
900.00	895.07	883.43	883.43	4.14	16.15	-96.04	-24.12	1,163.07	1,168.88	1,147.80	21.08	55.449	
1,000.00	993.83	983.70	983.70	4.37	16.17	-96.79	-24.42	1,162.99	1,170.56	1,149.23	21.33	54.886	
1,100.00	1,092.60	1,083.71	1,083.71	4.61	16.20	-97.52	-25.05	1,162.81	1,172.31	1,150.72	21.60	54.285	
1,200.00	1,191.37	1,183.42	1,183.42	4.88	16.22	-98.24	-25.69	1,162.55	1,174.18	1,152.29	21.88	53.659	
1,300.00	1,290.13	1,282.94	1,282.93	5.15	16.25	-98.96	-26.43	1,162.24	1,176.16	1,153.98	22.19	53.010	
1,400.00	1,388.90	1,383.27	1,383.26	5.44	16.29	-99.67	-27.48	1,161.90	1,178.28	1,155.77	22.51	52.353	
1,500.00	1,487.66	1,489.59	1,489.57	5.74	16.33	-100.41	-28.69	1,161.12	1,180.17	1,157.33	22.84	51.665	
1,600.00	1,586.43	1,622.32	1,622.25	6.04	16.39	-101.32	-30.71	1,158.42	1,181.06	1,157.88	23.19	50.932	
1,700.00	1,685.20	1,777.66	1,777.13	6.36	16.48	-102.22	-37.49	1,149.01	1,177.53	1,154.01	23.52	50.064	
1,800.00	1,783.96	1,931.34	1,929.64	6.68	16.58	-102.98	-47.96	1,133.40	1,169.87	1,146.05	23.83	49.103	
1,900.00	1,882.73	2,082.08	2,078.09	6.85	16.73	-103.61	-61.93	1,111.40	1,157.39	1,133.64	23.75	48.723	
2,000.00	1,981.49	2,248.75	2,240.36	6.89	16.95	-104.10	-83.03	1,079.90	1,140.32	1,116.63	23.69	48.131	
2,100.00	2,080.26	2,355.05	2,342.66	6.94	17.14	-104.31	-99.45	1,056.17	1,119.25	1,095.43	23.82	46.985	
2,200.00	2,179.03	2,439.24	2,423.45	7.01	17.29	-104.33	-115.04	1,038.37	1,098.82	1,074.78	24.04	45.699	
2,300.00	2,277.79	2,556.33	2,535.85	7.09	17.54	-104.33	-137.27	1,014.27	1,079.00	1,054.80	24.19	44.602	
2,400.00	2,376.56	2,650.42	2,625.88	7.19	17.76	-104.36	-154.81	993.33	1,057.44	1,033.01	24.44	43.269	
2,500.00	2,475.32	2,800.47	2,768.51	7.31	18.20	-104.50	-181.83	955.45	1,032.61	1,008.09	24.52	42.111	
2,600.00	2,574.09	2,892.66	2,855.71	7.44	18.50	-104.59	-198.72	930.73	1,006.61	981.78	24.83	40.547	
2,700.00	2,672.86	2,965.44	2,924.87	7.58	18.72	-104.68	-211.61	912.09	981.96	956.74	25.21	38.947	
2,800.00	2,771.62	3,046.78	3,002.67	7.73	18.99	-104.76	-226.12	893.33	959.71	934.12	25.59	37.508	
2,900.00	2,870.39	3,157.68	3,108.32	7.90	19.39	-104.68	-248.93	868.53	937.71	911.80	25.91	36.191	
3,000.00	2,969.16	3,252.45	3,198.58	8.07	19.76	-104.70	-267.10	846.11	914.67	888.38	26.30	34.784	
3,100.00	3,067.92	3,344.05	3,286.32	8.26	20.09	-104.91	-281.91	824.33	892.09	865.42	26.68	33.438	
3,200.00	3,166.69	3,419.44	3,358.91	8.46	20.37	-105.12	-293.38	807.51	871.17	844.04	27.12	32.120	
3,300.00	3,265.45	3,499.21	3,436.15	8.66	20.65	-105.36	-305.20	791.51	852.55	825.00	27.55	30.942	
3,400.00	3,364.22	3,597.69	3,531.79	8.88	21.00	-105.67	-319.43	772.82	835.11	807.16	27.94	29.884	
3,500.00	3,462.99	3,663.51	3,596.04	9.10	21.22	-105.94	-328.02	761.43	819.60	791.18	28.41	28.847	
3,600.00	3,561.75	3,749.53	3,680.56	9.32	21.49	-106.36	-337.85	748.82	807.06	778.24	28.82	28.006	
3,700.00	3,660.52	3,934.80	3,860.81	9.56	22.20	-107.17	-362.58	714.42	790.87	761.89	28.99	27.285	
3,800.00	3,759.28	4,039.81	3,961.24	9.80	22.72	-107.55	-379.29	688.67	767.79	738.38	29.40	26.112	
3,900.00	3,858.05	4,141.69	4,058.20	10.05	23.23	-107.83	-397.13	663.00	743.67	713.81	29.85	24.911	
4,000.00	3,956.82	4,228.23	4,140.71	10.30	23.66	-108.12	-411.81	641.44	720.01	689.65	30.37	23.711	
4,100.00	4,055.58	4,304.77	4,214.30	10.56	24.01	-108.52	-422.94	623.58	698.55	667.65	30.90	22.607	
4,200.00	4,154.35	4,381.05	4,288.46	10.82	24.33	-109.09	-431.69	608.04	680.67	649.27	31.40	21.677	
4,300.00	4,253.11	4,474.40	4,379.39	11.08	24.71	-109.78	-442.61	589.95	663.94	632.11	31.83	20.857	
4,400.00	4,351.88	4,548.33	4,451.86	11.35	25.00	-110.41	-450.02	577.43	650.10	617.79	32.31	20.120	
4,500.00	4,450.65	4,625.47	4,527.99	11.63	25.24	-111.17	-456.26	566.72	639.91	607.18	32.74	19.548	
4,600.00	4,549.41	4,705.00	4,606.85	11.90	25.47	-111.95	-462.03	558.21	633.19	600.06	33.13	19.113	
4,700.00	4,648.18	4,789.41	4,690.82	12.18	25.67	-112.83	-467.06	551.22	629.35	595.86	33.49	18.790	
4,800.00	4,746.95	4,879.05	4,780.16	12.47	25.87	-113.85	-471.13	545.12	627.61	593.76	33.84	18.545	
4,882.79	4,828.72	4,956.83	4,857.72	12.70	26.03	-114.67	-474.93	540.84	627.24	593.10	34.14	18.373	
4,900.00	4,845.71	4,971.93	4,872.79	12.75	26.06	-114.82	-475.75	540.11	627.27	593.07	34.20	18.341	
5,000.00	4,944.48	5,058.48	4,959.16	13.04	26.23	-115.66	-480.34	537.18	628.85	594.30	34.56	18.198	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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		
5,100.00	5,043.24	5,154.14	5,054.69	13.33	26.39	-116.59	-484.84	534.66	631.56	596.63	34.92	18.085		
5,200.00	5,142.01	5,238.11	5,138.62	13.62	26.52	-117.64	-485.75	532.79	636.26	601.03	35.23	18.060		
5,300.00	5,240.78	5,327.66	5,228.16	13.92	26.62	-118.85	-484.96	531.95	643.24	607.70	35.54	18.101		
5,400.00	5,339.54	5,423.84	5,324.34	14.22	26.73	-120.09	-484.03	531.80	651.32	615.44	35.87	18.155		
5,500.00	5,438.31	5,522.37	5,422.87	14.52	26.84	-121.30	-483.30	532.09	659.99	623.75	36.23	18.214		
5,600.00	5,537.07	5,623.70	5,524.19	14.82	26.96	-122.47	-483.12	532.38	668.66	632.05	36.62	18.260		
5,700.00	5,635.84	5,714.41	5,614.90	15.12	27.06	-123.45	-483.30	533.04	677.82	640.85	36.97	18.334		
5,800.00	5,734.61	5,801.97	5,702.43	15.42	27.15	-124.31	-483.30	535.21	688.76	651.44	37.31	18.458		
5,900.00	5,833.37	5,920.33	5,820.75	15.73	27.28	-125.42	-483.72	538.01	699.67	661.88	37.80	18.511		
6,000.00	5,932.14	6,031.59	5,932.00	16.04	27.44	-126.49	-485.39	537.40	707.62	669.37	38.25	18.499		
6,100.00	6,030.90	6,126.88	6,027.27	16.34	27.58	-127.40	-486.74	536.67	715.68	677.02	38.66	18.514		
6,200.00	6,129.67	6,223.45	6,123.84	16.65	27.72	-128.29	-487.93	536.34	724.38	685.31	39.07	18.541		
6,300.00	6,228.44	6,320.75	6,221.12	16.96	27.86	-129.12	-489.39	536.49	733.50	694.01	39.49	18.574		
6,400.00	6,327.20	6,418.13	6,318.49	17.28	28.00	-129.93	-490.83	536.89	743.00	703.08	39.92	18.614		
6,500.00	6,425.97	6,515.52	6,415.88	17.59	28.14	-130.75	-491.81	537.21	752.87	712.52	40.34	18.661		
6,600.00	6,524.73	6,613.56	6,513.91	17.90	28.28	-130.90	-492.63	537.59	763.04	722.27	40.78	18.712		
6,700.00	6,623.16	6,711.44	6,611.79	18.15	28.41	-85.61	-493.49	538.14	767.21	726.05	41.16	18.641		
6,800.00	6,719.30	6,807.36	6,707.71	18.41	28.55	-68.66	-494.36	538.80	759.78	718.25	41.53	18.293		
6,900.00	6,810.79	6,899.11	6,799.45	18.65	28.68	-64.08	-495.18	539.47	741.86	699.95	41.91	17.701		
7,000.00	6,895.36	6,984.04	6,884.37	18.89	28.81	-64.87	-495.79	539.95	715.27	672.96	42.31	16.905		
7,100.00	6,970.94	7,059.11	6,959.44	19.11	28.91	-68.68	-496.20	540.29	682.66	639.89	42.77	15.961		
7,200.00	7,035.67	7,123.18	7,023.51	19.33	29.01	-74.21	-496.46	540.63	647.54	604.19	43.36	14.935		
7,300.00	7,087.95	7,175.18	7,075.50	19.55	29.08	-80.26	-496.60	540.95	614.03	569.89	44.14	13.911		
7,400.00	7,126.50	7,214.44	7,114.77	19.81	29.14	-85.62	-496.69	541.21	586.69	541.54	45.16	12.992		
7,500.00	7,150.36	7,239.16	7,139.48	20.16	29.17	-89.15	-496.76	541.38	570.01	523.65	46.36	12.296		
7,568.39	7,157.91	7,247.24	7,147.57	20.48	29.19	-90.17	-496.78	541.44	566.52	519.31	47.20	12.001 CC, ES		
7,600.00	7,158.95	7,248.52	7,148.84	20.66	29.19	-90.21	-496.78	541.45	567.28	519.72	47.56	11.928 SF		
7,700.00	7,159.22	7,249.49	7,149.81	21.32	29.19	-90.29	-496.79	541.45	580.65	532.08	48.56	11.956		
7,800.00	7,159.47	7,250.45	7,150.77	22.13	29.19	-90.39	-496.79	541.46	610.32	561.05	49.27	12.387		
7,900.00	7,159.72	7,251.41	7,151.73	23.06	29.19	-90.49	-496.79	541.47	654.09	604.43	49.66	13.171		
8,000.00	7,159.98	7,252.37	7,152.70	24.08	29.19	-90.59	-496.79	541.47	709.35	659.55	49.80	14.243		
8,100.00	7,160.23	7,253.33	7,153.66	25.19	29.19	-90.68	-496.80	541.48	773.64	723.86	49.78	15.541		
8,200.00	7,160.48	7,254.30	7,154.62	26.36	29.20	-90.78	-496.80	541.49	844.90	795.24	49.66	17.013		
8,300.00	7,160.74	7,255.26	7,155.59	27.58	29.20	-90.88	-496.80	541.49	921.51	872.01	49.50	18.617		
8,400.00	7,160.99	7,256.23	7,156.56	28.85	29.20	-90.98	-496.81	541.50	1,002.26	952.94	49.32	20.322		
8,500.00	7,161.24	7,257.20	7,157.52	30.16	29.20	-91.07	-496.81	541.51	1,086.21	1,037.07	49.14	22.103		
8,600.00	7,161.50	7,258.16	7,158.49	31.50	29.20	-91.17	-496.81	541.52	1,172.68	1,123.71	48.97	23.945		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												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	0.00	0.00	3.28	3.28	91.07	-22.20	1,187.44	1,187.71				
100.00	100.00	88.00	88.00	3.28	3.55	91.07	-22.20	1,187.44	1,187.65	1,180.02	7.62	155.784	
200.00	200.00	188.00	188.00	3.31	5.70	91.07	-22.20	1,187.44	1,187.65	1,177.85	9.79	121.252	
300.00	299.98	287.98	287.98	3.34	8.83	-92.66	-22.20	1,187.44	1,187.73	1,174.76	12.97	91.580	
400.00	399.84	387.84	387.84	3.40	12.19	-92.91	-22.20	1,187.44	1,187.98	1,171.60	16.38	72.516	
500.00	499.45	487.45	487.45	3.49	15.62	-93.32	-22.20	1,187.44	1,188.46	1,168.56	19.89	59.739	
600.00	598.70	586.70	586.70	3.60	19.07	-93.88	-22.20	1,187.44	1,189.23	1,165.77	23.46	50.688	
700.00	697.53	685.53	685.53	3.75	22.53	-94.59	-22.20	1,187.44	1,190.37	1,163.30	27.07	43.975	
800.00	796.30	784.30	784.30	3.93	26.00	-95.34	-22.20	1,187.44	1,191.74	1,161.02	30.72	38.798	
900.00	895.07	883.07	883.07	4.14	29.47	-96.08	-22.20	1,187.44	1,193.32	1,158.92	34.40	34.692	
1,000.00	993.83	981.83	981.83	4.37	32.95	-96.81	-22.20	1,187.44	1,195.09	1,156.99	38.10	31.364	
1,100.00	1,092.60	1,080.60	1,080.60	4.61	36.43	-97.55	-22.20	1,187.44	1,197.08	1,155.24	41.83	28.615	
1,200.00	1,191.37	1,179.37	1,179.37	4.88	39.92	-98.28	-22.20	1,187.44	1,199.26	1,153.68	45.58	26.310	
7,700.00	7,159.22	7,147.22	7,147.22	21.32	251.26	-89.93	-22.20	1,187.44	1,162.45	889.43	273.01	4.258	
7,800.00	7,159.47	7,147.47	7,147.47	22.13	251.27	-89.94	-22.20	1,187.44	1,121.23	847.38	273.85	4.094	
7,900.00	7,159.72	7,147.72	7,147.72	23.06	251.28	-89.96	-22.20	1,187.44	1,087.67	812.91	274.76	3.959	
8,000.00	7,159.98	7,147.98	7,147.98	24.08	251.29	-89.97	-22.20	1,187.44	1,062.49	786.79	275.71	3.854	
8,100.00	7,160.23	7,148.23	7,148.23	25.19	251.30	-89.98	-22.20	1,187.44	1,046.31	769.66	276.65	3.782	
8,200.00	7,160.48	7,148.48	7,148.48	26.36	251.31	-90.00	-22.20	1,187.44	1,039.53	761.99	277.55	3.745	
8,220.65	7,160.54	7,148.54	7,148.54	26.61	251.31	-90.00	-22.20	1,187.44	1,039.33	761.60	277.73	3.742 CC, ES, SF	
8,300.00	7,160.74	7,148.74	7,148.74	27.58	251.32	-90.01	-22.20	1,187.44	1,042.35	764.00	278.36	3.745	
8,400.00	7,160.99	7,148.99	7,148.99	28.85	251.33	-90.03	-22.20	1,187.44	1,054.69	775.65	279.04	3.780	
8,500.00	7,161.24	7,149.24	7,149.24	30.16	251.33	-90.04	-22.20	1,187.44	1,076.22	796.63	279.59	3.849	
8,600.00	7,161.50	7,149.50	7,149.50	31.50	251.34	-90.05	-22.20	1,187.44	1,106.39	826.40	279.99	3.952	
8,700.00	7,161.75	7,149.75	7,149.75	32.88	251.35	-90.07	-22.20	1,187.44	1,144.54	864.28	280.26	4.084	
8,800.00	7,162.00	7,150.00	7,150.00	34.28	251.36	-90.08	-22.20	1,187.44	1,189.89	909.47	280.42	4.243	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
7,700.00	7,159.22	7,147.22	7,147.22	21.32	251.26	-89.92	-19.28	1,235.92	1,187.39	914.34	273.05	4.349	
7,800.00	7,159.47	7,147.47	7,147.47	22.13	251.27	-89.93	-19.28	1,235.92	1,142.84	868.94	273.89	4.173	
7,900.00	7,159.72	7,147.72	7,147.72	23.06	251.28	-89.95	-19.28	1,235.92	1,105.55	830.74	274.82	4.023	
8,000.00	7,159.98	7,147.98	7,147.98	24.08	251.29	-89.96	-19.28	1,235.92	1,076.30	800.51	275.79	3.903	
8,100.00	7,160.23	7,148.23	7,148.23	25.19	251.30	-89.98	-19.28	1,235.92	1,055.74	778.97	276.78	3.814	
8,200.00	7,160.48	7,148.48	7,148.48	26.36	251.31	-89.99	-19.28	1,235.92	1,044.40	766.67	277.73	3.761	
8,269.14	7,160.66	7,148.66	7,148.66	27.20	251.31	-90.00	-19.28	1,235.92	1,042.11	763.76	278.34	3.744 CC, ES	
8,300.00	7,160.74	7,148.74	7,148.74	27.58	251.32	-90.00	-19.28	1,235.92	1,042.56	763.97	278.60	3.742 SF	
8,400.00	7,160.99	7,148.99	7,148.99	28.85	251.33	-90.02	-19.28	1,235.92	1,050.29	770.94	279.35	3.760	
8,500.00	7,161.24	7,149.24	7,149.24	30.16	251.33	-90.03	-19.28	1,235.92	1,067.37	787.41	279.97	3.813	
8,600.00	7,161.50	7,149.50	7,149.50	31.50	251.34	-90.05	-19.28	1,235.92	1,093.37	812.94	280.43	3.899	
8,700.00	7,161.75	7,149.75	7,149.75	32.88	251.35	-90.06	-19.28	1,235.92	1,127.66	846.91	280.75	4.017	
8,800.00	7,162.00	7,150.00	7,150.00	34.28	251.36	-90.07	-19.28	1,235.92	1,169.53	888.59	280.94	4.163	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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) - KAMMERZELL 29-3H6 - Noble SI Well - No Surv												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	-146.71	-38.61	-25.35	46.19				
100.00	100.00	102.00	98.00	3.28	3.76	-146.71	-38.61	-25.35	46.19	38.35	7.84	5.894	
200.00	200.00	202.00	198.00	3.31	6.31	-146.71	-38.61	-25.35	46.19	35.79	10.40	4.440	
300.00	299.98	302.02	297.98	3.34	9.51	30.76	-38.61	-25.35	44.68	31.03	13.65	3.274	
400.00	399.84	402.16	397.84	3.40	12.90	34.62	-38.61	-25.35	40.27	23.18	17.10	2.356	
500.00	499.45	502.55	497.45	3.49	16.37	43.21	-38.61	-25.35	33.46	12.82	20.65	1.621	
600.00	598.70	603.30	596.70	3.60	19.88	62.00	-38.61	-25.35	25.93	1.66	24.27	1.068	Level 2
683.75	681.54	679.54	679.54	3.72	22.55	90.00	-38.61	-25.35	22.84	-4.22	27.06	0.844	Level 1, CC
700.00	697.53	704.47	695.53	3.75	23.42	97.28	-38.61	-25.35	23.03	-4.93	27.96	0.824	Level 1, ES, SF
800.00	796.30	805.70	794.30	3.93	26.98	128.83	-38.61	-25.35	29.47	-2.21	31.68	0.930	Level 1
900.00	895.07	906.93	893.07	4.14	30.54	145.99	-38.61	-25.35	41.19	5.79	35.40	1.164	Level 2
1,000.00	993.83	1,008.17	991.83	4.37	34.11	155.15	-38.61	-25.35	54.91	15.78	39.14	1.403	Level 3
1,100.00	1,092.60	1,109.40	1,090.60	4.61	37.68	160.58	-38.61	-25.35	69.46	26.57	42.90	1.619	
1,200.00	1,191.37	1,189.37	1,189.37	4.88	40.50	164.11	-38.61	-25.35	84.41	38.49	45.92	1.838	
1,300.00	1,290.13	1,288.13	1,288.13	5.15	43.99	166.58	-38.61	-25.35	99.57	49.96	49.62	2.007	
1,400.00	1,388.90	1,386.90	1,386.90	5.44	47.48	168.39	-38.61	-25.35	114.87	61.54	53.33	2.154	
1,500.00	1,487.66	1,485.66	1,485.66	5.74	50.97	169.78	-38.61	-25.35	130.26	73.21	57.05	2.283	
1,600.00	1,586.43	1,584.43	1,584.43	6.04	54.47	170.87	-38.61	-25.35	145.70	84.92	60.78	2.397	
1,700.00	1,685.20	1,683.20	1,683.20	6.36	57.96	171.75	-38.61	-25.35	161.19	96.67	64.51	2.498	
1,800.00	1,783.96	1,781.96	1,781.96	6.68	61.46	172.48	-38.61	-25.35	176.70	108.45	68.26	2.589	
1,900.00	1,882.73	1,880.73	1,880.73	6.85	64.95	173.09	-38.61	-25.35	192.24	120.57	71.68	2.682	
2,000.00	1,981.49	1,979.49	1,979.49	6.89	68.45	173.61	-38.61	-25.35	207.80	132.61	75.19	2.764	
2,100.00	2,080.26	2,078.26	2,078.26	6.94	71.94	174.06	-38.61	-25.35	223.37	144.66	78.71	2.838	
2,200.00	2,179.03	2,177.03	2,177.03	7.01	75.44	174.45	-38.61	-25.35	238.96	156.70	82.26	2.905	
2,300.00	2,277.79	2,275.79	2,275.79	7.09	78.93	174.79	-38.61	-25.35	254.55	168.74	85.81	2.966	
2,400.00	2,376.56	2,374.56	2,374.56	7.19	82.43	175.09	-38.61	-25.35	270.15	180.77	89.38	3.022	
2,500.00	2,475.32	2,473.32	2,473.32	7.31	85.93	175.36	-38.61	-25.35	285.76	192.79	92.97	3.074	
2,600.00	2,574.09	2,572.09	2,572.09	7.44	89.42	175.60	-38.61	-25.35	301.37	204.81	96.57	3.121	
2,700.00	2,672.86	2,670.86	2,670.86	7.58	92.92	175.82	-38.61	-25.35	316.99	216.82	100.18	3.164	
2,800.00	2,771.62	2,769.62	2,769.62	7.73	96.42	176.01	-38.61	-25.35	332.61	228.82	103.80	3.204	
2,900.00	2,870.39	2,868.39	2,868.39	7.90	99.92	176.19	-38.61	-25.35	348.24	240.81	107.43	3.241	
3,000.00	2,969.16	2,967.16	2,967.16	8.07	103.41	176.36	-38.61	-25.35	363.87	252.79	111.08	3.276	
3,100.00	3,067.92	3,065.92	3,065.92	8.26	106.91	176.51	-38.61	-25.35	379.50	264.77	114.73	3.308	
3,200.00	3,166.69	3,164.69	3,164.69	8.46	110.41	176.64	-38.61	-25.35	395.13	276.74	118.40	3.337	
3,300.00	3,265.45	3,263.45	3,263.45	8.66	113.91	176.77	-38.61	-25.35	410.77	288.70	122.07	3.365	
3,400.00	3,364.22	3,362.22	3,362.22	8.88	117.41	176.89	-38.61	-25.35	426.40	300.66	125.75	3.391	
3,500.00	3,462.99	3,460.99	3,460.99	9.10	120.90	177.00	-38.61	-25.35	442.04	312.61	129.44	3.415	
3,600.00	3,561.75	3,559.75	3,559.75	9.32	124.40	177.10	-38.61	-25.35	457.68	324.55	133.13	3.438	
3,700.00	3,660.52	3,658.52	3,658.52	9.56	127.90	177.20	-38.61	-25.35	473.33	336.49	136.83	3.459	
3,800.00	3,759.28	3,757.28	3,757.28	9.80	131.40	177.29	-38.61	-25.35	488.97	348.43	140.54	3.479	
3,900.00	3,858.05	3,856.05	3,856.05	10.05	134.90	177.37	-38.61	-25.35	504.61	360.36	144.26	3.498	
4,000.00	3,956.82	3,954.82	3,954.82	10.30	138.40	177.45	-38.61	-25.35	520.26	372.28	147.98	3.516	
4,100.00	4,055.58	4,053.58	4,053.58	10.56	141.89	177.53	-38.61	-25.35	535.90	384.20	151.70	3.533	
4,200.00	4,154.35	4,152.35	4,152.35	10.82	145.39	177.60	-38.61	-25.35	551.55	396.12	155.43	3.549	
4,300.00	4,253.11	4,251.11	4,251.11	11.08	148.89	177.66	-38.61	-25.35	567.20	408.04	159.16	3.564	
4,400.00	4,351.88	4,349.88	4,349.88	11.35	152.39	177.73	-38.61	-25.35	582.85	419.95	162.90	3.578	
4,500.00	4,450.65	4,448.65	4,448.65	11.63	155.89	177.79	-38.61	-25.35	598.50	431.86	166.64	3.592	
4,600.00	4,549.41	4,547.41	4,547.41	11.90	159.39	177.84	-38.61	-25.35	614.15	443.76	170.38	3.605	
4,700.00	4,648.18	4,646.18	4,646.18	12.18	162.89	177.90	-38.61	-25.35	629.80	455.67	174.13	3.617	
4,800.00	4,746.95	4,744.95	4,744.95	12.47	166.39	177.95	-38.61	-25.35	645.45	467.57	177.88	3.629	
4,900.00	4,845.71	4,843.71	4,843.71	12.75	169.88	178.00	-38.61	-25.35	661.10	479.47	181.63	3.640	
5,000.00	4,944.48	4,942.48	4,942.48	13.04	173.38	178.04	-38.61	-25.35	676.75	491.36	185.39	3.650	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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) - KAMMERZELL 29-3H6 - Noble SI Well - No Surv												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	
5,100.00	5,043.24	5,041.24	5,041.24	13.33	176.88	178.09	-38.61	-25.35	692.40	503.26	189.14	3.661	
5,200.00	5,142.01	5,140.01	5,140.01	13.62	180.38	178.13	-38.61	-25.35	708.05	515.15	192.90	3.670	
5,300.00	5,240.78	5,238.78	5,238.78	13.92	183.88	178.17	-38.61	-25.35	723.71	527.04	196.67	3.680	
5,400.00	5,339.54	5,337.54	5,337.54	14.22	187.38	178.21	-38.61	-25.35	739.36	538.93	200.43	3.689	
5,500.00	5,438.31	5,436.31	5,436.31	14.52	190.88	178.24	-38.61	-25.35	755.01	550.82	204.20	3.697	
5,600.00	5,537.07	5,535.07	5,535.07	14.82	194.38	178.28	-38.61	-25.35	770.67	562.70	207.96	3.706	
5,700.00	5,635.84	5,633.84	5,633.84	15.12	197.88	178.31	-38.61	-25.35	786.32	574.59	211.73	3.714	
5,800.00	5,734.61	5,732.61	5,732.61	15.42	201.38	178.35	-38.61	-25.35	801.97	586.47	215.50	3.721	
5,900.00	5,833.37	5,831.37	5,831.37	15.73	204.87	178.38	-38.61	-25.35	817.63	598.35	219.28	3.729	
6,000.00	5,932.14	5,930.14	5,930.14	16.04	208.37	178.41	-38.61	-25.35	833.28	610.23	223.05	3.736	
6,100.00	6,030.90	6,028.90	6,028.90	16.34	211.87	178.44	-38.61	-25.35	848.94	622.11	226.83	3.743	
6,200.00	6,129.67	6,127.67	6,127.67	16.65	215.37	178.47	-38.61	-25.35	864.59	633.99	230.60	3.749	
6,300.00	6,228.44	6,226.44	6,226.44	16.96	218.87	178.49	-38.61	-25.35	880.25	645.87	234.38	3.756	
6,400.00	6,327.20	6,325.20	6,325.20	17.28	222.37	178.52	-38.61	-25.35	895.90	657.75	238.16	3.762	
6,500.00	6,425.97	6,423.97	6,423.97	17.59	225.87	178.55	-38.61	-25.35	911.56	669.62	241.94	3.768	
6,600.00	6,524.73	6,522.73	6,522.73	17.90	229.37	179.25	-38.61	-25.35	927.22	681.50	245.72	3.773	
6,700.00	6,623.16	6,621.16	6,621.16	18.15	232.86	-133.63	-38.61	-25.35	942.51	693.06	249.45	3.778	
6,800.00	6,719.30	6,717.30	6,717.30	18.41	236.26	-114.45	-38.61	-25.35	957.21	704.13	253.08	3.782	
6,900.00	6,810.79	6,808.79	6,808.79	18.65	239.50	-106.95	-38.61	-25.35	972.03	715.49	256.54	3.789	
7,000.00	6,895.36	6,906.64	6,893.36	18.89	242.97	-103.76	-38.61	-25.35	988.18	727.96	260.22	3.797	
7,100.00	6,970.94	6,968.94	6,968.94	19.11	245.18	-102.31	-38.61	-25.35	1,007.21	744.55	262.66	3.835	
7,200.00	7,035.67	7,033.67	7,033.67	19.33	247.47	-101.34	-38.61	-25.35	1,030.67	765.46	265.22	3.886	
7,300.00	7,087.95	7,085.95	7,085.95	19.55	249.32	-100.07	-38.61	-25.35	1,059.83	792.47	267.37	3.964	
7,400.00	7,126.50	7,124.50	7,124.50	19.81	250.69	-98.00	-38.61	-25.35	1,095.41	826.35	269.06	4.071	
7,500.00	7,150.36	7,148.36	7,148.36	20.16	251.53	-94.78	-38.61	-25.35	1,137.40	867.17	270.23	4.209	
7,600.00	7,158.95	7,156.95	7,156.95	20.66	251.84	-90.28	-38.61	-25.35	1,185.05	914.21	270.85	4.375	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												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	8.00	-8.00	3.28	3.28	-179.53	-1,044.06	-8.64	1,044.10				
100.00	100.00	108.00	92.00	3.28	3.87	-179.53	-1,044.06	-8.64	1,044.10	1,036.16	7.94	131.417	
200.00	200.00	208.00	192.00	3.31	6.49	-179.53	-1,044.06	-8.64	1,044.10	1,033.52	10.59	98.637	
300.00	299.98	308.02	291.98	3.34	9.71	-3.18	-1,044.06	-8.64	1,042.36	1,028.51	13.85	75.263	
400.00	399.84	408.16	391.84	3.40	13.11	-3.21	-1,044.06	-8.64	1,037.13	1,019.83	17.30	59.936	
500.00	499.45	508.55	491.45	3.49	16.58	-3.24	-1,044.06	-8.64	1,028.43	1,007.58	20.86	49.310	
600.00	598.70	609.30	590.70	3.60	20.09	-3.30	-1,044.06	-8.64	1,016.26	991.79	24.48	41.519	
700.00	697.53	689.53	689.53	3.75	22.90	-3.35	-1,044.06	-8.64	1,001.07	973.65	27.42	36.509	
800.00	796.30	788.30	788.30	3.93	26.36	-3.41	-1,044.06	-8.64	985.44	954.41	31.03	31.758	
900.00	895.07	887.07	887.07	4.14	29.84	-3.46	-1,044.06	-8.64	969.80	935.14	34.67	27.976	
1,000.00	993.83	985.83	985.83	4.37	33.32	-3.52	-1,044.06	-8.64	954.17	915.85	38.32	24.899	
1,100.00	1,092.60	1,084.60	1,084.60	4.61	36.80	-3.58	-1,044.06	-8.64	938.54	896.54	42.00	22.348	
1,200.00	1,191.37	1,183.37	1,183.37	4.88	40.29	-3.64	-1,044.06	-8.64	922.91	877.22	45.69	20.201	
1,300.00	1,290.13	1,282.13	1,282.13	5.15	43.78	-3.70	-1,044.06	-8.64	907.28	857.89	49.39	18.371	
1,400.00	1,388.90	1,380.90	1,380.90	5.44	47.27	-3.77	-1,044.06	-8.64	891.65	838.55	53.10	16.792	
1,500.00	1,487.66	1,479.66	1,479.66	5.74	50.76	-3.83	-1,044.06	-8.64	876.02	819.20	56.82	15.417	
1,600.00	1,586.43	1,578.43	1,578.43	6.04	54.26	-3.90	-1,044.06	-8.64	860.40	799.84	60.55	14.209	
1,700.00	1,685.20	1,677.20	1,677.20	6.36	57.75	-3.98	-1,044.06	-8.64	844.77	780.48	64.29	13.140	
1,800.00	1,783.96	1,775.96	1,775.96	6.68	61.24	-4.05	-1,044.06	-8.64	829.15	761.11	68.04	12.187	
1,900.00	1,882.73	1,874.73	1,874.73	6.85	64.74	-4.13	-1,044.06	-8.64	813.53	742.07	71.46	11.385	
2,000.00	1,981.49	1,973.49	1,973.49	6.89	68.23	-4.21	-1,044.06	-8.64	797.91	722.94	74.97	10.643	
2,100.00	2,080.26	2,072.26	2,072.26	6.94	71.73	-4.29	-1,044.06	-8.64	782.29	703.79	78.50	9.966	
2,200.00	2,179.03	2,171.03	2,171.03	7.01	75.22	-4.38	-1,044.06	-8.64	766.67	684.63	82.04	9.345	
2,300.00	2,277.79	2,269.79	2,269.79	7.09	78.72	-4.47	-1,044.06	-8.64	751.06	665.46	85.60	8.774	
2,400.00	2,376.56	2,368.56	2,368.56	7.19	82.22	-4.57	-1,044.06	-8.64	735.44	646.27	89.17	8.248	
2,500.00	2,475.32	2,467.32	2,467.32	7.31	85.71	-4.67	-1,044.06	-8.64	719.83	627.08	92.75	7.761	
2,600.00	2,574.09	2,566.09	2,566.09	7.44	89.21	-4.77	-1,044.06	-8.64	704.22	607.87	96.35	7.309	
2,700.00	2,672.86	2,664.86	2,664.86	7.58	92.71	-4.88	-1,044.06	-8.64	688.62	588.65	99.97	6.889	
2,800.00	2,771.62	2,763.62	2,763.62	7.73	96.21	-4.99	-1,044.06	-8.64	673.01	569.42	103.59	6.497	
2,900.00	2,870.39	2,862.39	2,862.39	7.90	99.70	-5.11	-1,044.06	-8.64	657.41	550.19	107.22	6.131	
3,000.00	2,969.16	2,961.16	2,961.16	8.07	103.20	-5.24	-1,044.06	-8.64	641.81	530.94	110.87	5.789	
3,100.00	3,067.92	3,059.92	3,059.92	8.26	106.70	-5.37	-1,044.06	-8.64	626.22	511.69	114.52	5.468	
3,200.00	3,166.69	3,158.69	3,158.69	8.46	110.20	-5.50	-1,044.06	-8.64	610.63	492.44	118.19	5.166	
3,300.00	3,265.45	3,257.45	3,257.45	8.66	113.70	-5.65	-1,044.06	-8.64	595.04	473.17	121.86	4.883	
3,400.00	3,364.22	3,356.22	3,356.22	8.88	117.19	-5.80	-1,044.06	-8.64	579.45	453.91	125.55	4.615	
3,500.00	3,462.99	3,454.99	3,454.99	9.10	120.69	-5.96	-1,044.06	-8.64	563.87	434.64	129.24	4.363	
3,600.00	3,561.75	3,553.75	3,553.75	9.32	124.19	-6.13	-1,044.06	-8.64	548.30	415.36	132.93	4.125	
3,700.00	3,660.52	3,652.52	3,652.52	9.56	127.69	-6.31	-1,044.06	-8.64	532.73	396.09	136.64	3.899	
3,800.00	3,759.28	3,751.28	3,751.28	9.80	131.19	-6.50	-1,044.06	-8.64	517.16	376.82	140.35	3.685	
3,900.00	3,858.05	3,850.05	3,850.05	10.05	134.68	-6.70	-1,044.06	-8.64	501.60	357.54	144.06	3.482	
4,000.00	3,956.82	3,948.82	3,948.82	10.30	138.18	-6.92	-1,044.06	-8.64	486.05	338.27	147.78	3.289	
4,100.00	4,055.58	4,047.58	4,047.58	10.56	141.68	-7.15	-1,044.06	-8.64	470.50	318.99	151.51	3.105	
4,200.00	4,154.35	4,146.35	4,146.35	10.82	145.18	-7.39	-1,044.06	-8.64	454.96	299.73	155.24	2.931	
4,300.00	4,253.11	4,245.11	4,245.11	11.08	148.68	-7.66	-1,044.06	-8.64	439.44	280.46	158.97	2.764	
4,400.00	4,351.88	4,343.88	4,343.88	11.35	152.18	-7.94	-1,044.06	-8.64	423.92	261.20	162.71	2.605	
4,500.00	4,450.65	4,442.65	4,442.65	11.63	155.68	-8.24	-1,044.06	-8.64	408.41	241.95	166.46	2.454	
4,600.00	4,549.41	4,541.41	4,541.41	11.90	159.18	-8.57	-1,044.06	-8.64	392.91	222.71	170.20	2.308	
4,700.00	4,648.18	4,640.18	4,640.18	12.18	162.67	-8.92	-1,044.06	-8.64	377.43	203.47	173.96	2.170	
4,800.00	4,746.95	4,738.95	4,738.95	12.47	166.17	-9.31	-1,044.06	-8.64	361.96	184.25	177.71	2.037	
4,900.00	4,845.71	4,837.71	4,837.71	12.75	169.67	-9.73	-1,044.06	-8.64	346.51	165.04	181.47	1.909	
5,000.00	4,944.48	4,936.48	4,936.48	13.04	173.17	-10.19	-1,044.06	-8.64	331.08	145.85	185.23	1.787	
5,100.00	5,043.24	5,035.24	5,035.24	13.33	176.67	-10.69	-1,044.06	-8.64	315.67	126.68	188.99	1.670	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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) - KAMMERZELL 29-6H6 - Noble SI Well - No Surv												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	
5,200.00	5,142.01	5,134.01	5,134.01	13.62	180.17	-11.24	-1,044.06	-8.64	300.29	107.53	192.76	1.558	
5,300.00	5,240.78	5,232.78	5,232.78	13.92	183.67	-11.86	-1,044.06	-8.64	284.94	88.41	196.53	1.450	Level 3
5,400.00	5,339.54	5,331.54	5,331.54	14.22	187.17	-12.54	-1,044.06	-8.64	269.62	69.31	200.31	1.346	Level 3
5,500.00	5,438.31	5,430.31	5,430.31	14.52	190.67	-13.30	-1,044.06	-8.64	254.35	50.26	204.09	1.246	Level 2
5,600.00	5,537.07	5,529.07	5,529.07	14.82	194.16	-14.17	-1,044.06	-8.64	239.13	31.25	207.87	1.150	Level 2
5,700.00	5,635.84	5,627.84	5,627.84	15.12	197.66	-15.15	-1,044.06	-8.64	223.96	12.30	211.66	1.058	Level 2
5,800.00	5,734.61	5,726.61	5,726.61	15.42	201.16	-16.27	-1,044.06	-8.64	208.87	-6.58	215.45	0.969	Level 1
5,900.00	5,833.37	5,825.37	5,825.37	15.73	204.66	-17.56	-1,044.06	-8.64	193.87	-25.38	219.25	0.884	Level 1
6,000.00	5,932.14	5,924.14	5,924.14	16.04	208.16	-19.07	-1,044.06	-8.64	178.99	-44.08	223.06	0.802	Level 1
6,100.00	6,030.90	6,022.90	6,022.90	16.34	211.66	-20.86	-1,044.06	-8.64	164.24	-62.64	226.88	0.724	Level 1
6,200.00	6,129.67	6,121.67	6,121.67	16.65	215.16	-22.99	-1,044.06	-8.64	149.69	-81.03	230.72	0.649	Level 1
6,300.00	6,228.44	6,220.44	6,220.44	16.96	218.66	-25.57	-1,044.06	-8.64	135.38	-99.19	234.57	0.577	Level 1
6,400.00	6,327.20	6,319.20	6,319.20	17.28	222.16	-28.75	-1,044.06	-8.64	121.40	-117.05	238.46	0.509	Level 1
6,500.00	6,425.97	6,417.97	6,417.97	17.59	225.66	-32.74	-1,044.06	-8.64	107.89	-134.48	242.38	0.445	Level 1
6,600.00	6,524.73	6,516.73	6,516.73	17.90	229.16	-37.16	-1,044.06	-8.64	95.05	-151.30	246.35	0.386	Level 1
6,700.00	6,623.16	6,615.16	6,615.16	18.15	232.64	8.21	-1,044.06	-8.64	78.27	-171.89	250.15	0.313	Level 1
6,800.00	6,719.30	6,711.30	6,711.30	18.41	236.05	39.67	-1,044.06	-8.64	53.62	-199.79	253.41	0.212	Level 1
6,893.19	6,804.75	6,803.25	6,796.75	18.63	239.31	90.00	-1,044.06	-8.64	36.58	-219.90	256.48	0.143	Level 1, CC, ES, SF
6,900.00	6,810.79	6,802.79	6,802.79	18.65	239.29	94.76	-1,044.06	-8.64	36.73	-219.86	256.59	0.143	Level 1
7,000.00	6,895.36	6,887.36	6,887.36	18.89	242.29	144.67	-1,044.06	-8.64	68.80	-192.76	261.55	0.263	Level 1
7,100.00	6,970.94	6,962.94	6,962.94	19.11	244.96	162.14	-1,044.06	-8.64	130.18	-134.48	264.66	0.492	Level 1
7,200.00	7,035.67	7,027.67	7,027.67	19.33	247.26	169.66	-1,044.06	-8.64	205.30	-61.84	267.14	0.769	Level 1
7,300.00	7,087.95	7,079.95	7,079.95	19.55	249.11	174.14	-1,044.06	-8.64	290.19	21.05	269.14	1.078	Level 2
7,400.00	7,126.50	7,118.50	7,118.50	19.81	250.48	178.14	-1,044.06	-8.64	382.31	111.70	270.61	1.413	Level 3
7,500.00	7,150.36	7,142.36	7,142.36	20.16	251.32	-174.63	-1,044.06	-8.64	479.32	207.80	271.52	1.765	
7,600.00	7,158.95	7,150.95	7,150.95	20.66	251.63	-103.60	-1,044.06	-8.64	578.81	306.96	271.85	2.129	
7,700.00	7,159.22	7,151.22	7,151.22	21.32	251.63	-94.68	-1,044.06	-8.64	678.76	406.88	271.87	2.497	
7,800.00	7,159.47	7,151.47	7,151.47	22.13	251.64	-95.36	-1,044.06	-8.64	778.71	506.82	271.90	2.864	
7,900.00	7,159.72	7,151.72	7,151.72	23.06	251.65	-96.05	-1,044.06	-8.64	878.68	606.76	271.92	3.231	
8,000.00	7,159.98	7,151.98	7,151.98	24.08	251.66	-96.73	-1,044.06	-8.64	978.66	706.71	271.95	3.599	
8,100.00	7,160.23	7,152.23	7,152.23	25.19	251.67	-97.41	-1,044.06	-8.64	1,078.63	806.66	271.98	3.966	
8,200.00	7,160.48	7,152.48	7,152.48	26.36	251.68	-98.09	-1,044.06	-8.64	1,178.62	906.61	272.01	4.333	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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) - KAMMERZELL J 29-19 - Noble SI Well - Actual												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_NS-GYRO-MS, 7350-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	12.98	12.98	3.28	3.28	-121.38	-508.18	-833.07	975.83				
100.00	100.00	106.18	106.17	3.28	3.29	-121.38	-508.38	-833.46	976.31	968.95	7.36	132.664	
200.00	200.00	206.11	206.11	3.31	3.32	-121.39	-508.85	-834.12	977.11	969.70	7.42	131.768	
300.00	299.98	304.90	304.90	3.34	3.38		-509.52	-834.74	977.00	969.48	7.52	129.969	
400.00	399.84	409.66	409.65	3.40	3.47	55.31	-510.27	-835.12	974.69	967.02	7.67	127.123	
500.00	499.45	506.82	506.80	3.49	3.58	55.76	-511.10	-835.32	970.35	962.50	7.86	123.475	
600.00	598.70	609.54	609.52	3.60	3.72	56.44	-511.92	-835.44	964.03	955.92	8.11	118.883	
700.00	697.53	706.32	706.30	3.75	3.87	57.21	-512.77	-835.48	956.11	947.71	8.40	113.803	
800.00	796.30	805.83	805.80	3.93	4.04	57.95	-513.78	-835.51	948.16	939.42	8.74	108.455	
900.00	895.07	907.36	907.33	4.14	4.22	58.72	-514.73	-835.38	940.20	931.08	9.12	103.065	
1,000.00	993.83	1,007.33	1,007.29	4.37	4.41	59.49	-515.55	-835.10	932.21	922.68	9.53	97.865	
1,100.00	1,092.60	1,106.81	1,106.77	4.61	4.60	60.27	-516.27	-834.75	924.30	914.35	9.95	92.851	
1,200.00	1,191.37	1,201.55	1,201.50	4.88	4.81	61.02	-517.21	-834.53	916.77	906.36	10.41	88.050	
1,300.00	1,290.13	1,297.93	1,297.88	5.15	5.04	61.79	-518.36	-834.58	909.77	898.86	10.91	83.399	
1,400.00	1,388.90	1,396.67	1,396.61	5.44	5.29	62.60	-519.48	-834.83	903.09	891.66	11.43	78.982	
1,500.00	1,487.66	1,497.14	1,497.07	5.74	5.55	63.43	-520.65	-834.98	896.53	884.54	11.98	74.822	
1,600.00	1,586.43	1,594.65	1,594.58	6.04	5.81	64.24	-521.91	-835.07	890.14	877.60	12.54	70.992	
1,700.00	1,685.20	1,693.26	1,693.18	6.36	6.07	65.07	-523.22	-835.25	884.04	870.93	13.11	67.420	
1,800.00	1,783.96	1,793.88	1,793.79	6.68	6.34	65.96	-524.13	-835.53	878.07	864.38	13.69	64.124	
1,900.00	1,882.73	1,891.75	1,891.66	6.85	6.59	66.87	-524.51	-835.93	872.26	858.36	13.91	62.719	
2,000.00	1,981.49	1,989.37	1,989.28	6.89	6.82	67.79	-524.85	-836.48	866.82	852.64	14.18	61.135	
2,100.00	2,080.26	2,086.87	2,086.78	6.94	7.03	68.73	-525.09	-837.22	861.75	847.30	14.45	59.634	
2,200.00	2,179.03	2,183.26	2,183.16	7.01	7.24	69.67	-525.37	-838.14	857.14	842.40	14.74	58.157	
2,300.00	2,277.79	2,282.69	2,282.58	7.09	7.46	70.66	-525.62	-839.26	852.93	837.88	15.04	56.696	
2,400.00	2,376.56	2,385.19	2,385.08	7.19	7.63	71.71	-525.51	-840.23	848.71	833.39	15.33	55.380	
2,500.00	2,475.32	2,485.92	2,485.80	7.31	7.75	72.76	-525.08	-840.87	844.40	828.83	15.57	54.233	
2,600.00	2,574.09	2,582.59	2,582.47	7.44	7.87	73.80	-524.53	-841.51	840.36	824.54	15.82	53.131	
2,700.00	2,672.86	2,679.75	2,679.63	7.58	8.00	74.85	-523.87	-842.42	836.86	820.76	16.10	51.976	
2,800.00	2,771.62	2,776.37	2,776.24	7.73	8.17	75.91	-523.38	-843.49	833.86	817.43	16.43	50.760	
2,900.00	2,870.39	2,872.45	2,872.31	7.90	8.36	76.96	-522.93	-844.82	831.44	814.65	16.79	49.524	
3,000.00	2,969.16	2,969.68	2,969.52	8.07	8.57	78.02	-522.61	-846.41	829.60	812.41	17.19	48.273	
3,100.00	3,067.92	3,066.33	3,066.16	8.26	8.80	79.08	-522.41	-848.15	828.22	810.62	17.60	47.046	
3,200.00	3,166.69	3,164.54	3,164.35	8.46	9.04	80.16	-522.19	-850.14	827.37	809.33	18.05	45.845	
3,300.00	3,265.45	3,261.18	3,260.97	8.66	9.29	81.20	-522.28	-852.11	826.88	808.37	18.51	44.672	
3,322.54	3,287.72	3,282.63	3,282.41	8.71	9.35	81.43	-522.35	-852.60	826.86	808.24	18.62	44.415 CC	
3,400.00	3,364.22	3,361.04	3,360.80	8.88	9.57	82.24	-522.88	-854.36	826.91	807.90	19.01	43.500	
3,446.59	3,410.23	3,409.16	3,408.91	8.98	9.71	82.72	-523.53	-855.27	826.88	807.62	19.25	42.946 ES	
3,500.00	3,462.99	3,454.07	3,453.80	9.10	9.85	83.16	-524.19	-856.34	827.15	807.64	19.51	42.404	
3,600.00	3,561.75	3,548.67	3,548.34	9.32	10.13	84.10	-525.49	-859.42	828.73	808.72	20.02	41.404	
3,700.00	3,660.52	3,650.28	3,649.90	9.56	10.43	85.13	-526.50	-862.53	830.37	809.82	20.55	40.402	
3,800.00	3,759.28	3,752.39	3,751.96	9.80	10.73	86.17	-527.48	-865.41	832.03	810.93	21.10	39.434	
3,900.00	3,858.05	3,856.16	3,855.69	10.05	11.04	87.16	-529.22	-867.75	833.38	811.72	21.66	38.468	
4,000.00	3,956.82	3,958.83	3,958.33	10.30	11.36	88.14	-531.08	-869.56	834.47	812.24	22.23	37.534	
4,100.00	4,055.58	4,059.80	4,059.28	10.56	11.67	89.10	-532.81	-870.98	835.44	812.64	22.80	36.643	
4,200.00	4,154.35	4,164.27	4,163.73	10.82	11.98	90.10	-534.54	-872.12	836.34	812.97	23.37	35.785	
4,300.00	4,253.11	4,269.90	4,269.33	11.08	12.26	91.10	-536.53	-872.39	836.61	812.69	23.92	34.973	
4,400.00	4,351.88	4,368.30	4,367.72	11.35	12.51	92.02	-538.50	-872.22	836.69	812.25	24.44	34.230	
4,500.00	4,450.65	4,469.39	4,468.79	11.63	12.75	93.00	-540.11	-872.13	837.13	812.17	24.95	33.548	
4,600.00	4,549.41	4,563.78	4,563.17	11.90	12.95	93.97	-540.73	-871.82	837.69	812.27	25.43	32.944	
4,700.00	4,648.18	4,661.41	4,660.81	12.18	13.18	94.99	-540.92	-872.12	839.20	813.27	25.93	32.360	
4,800.00	4,746.95	4,765.57	4,764.96	12.47	13.45	96.01	-542.28	-872.21	840.60	814.12	26.48	31.743	
4,900.00	4,845.71	4,868.86	4,868.23	12.75	13.70	96.98	-544.26	-871.75	841.60	814.59	27.01	31.154	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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) - KAMMERZELL J 29-19 - Noble SI Well - Actual												Offset Site Error:	0.00 usft
Survey Program: 100-SRC Energy_NS-GYRO-MS, 7350-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
5,000.00	4,944.48	4,967.86	4,967.20	13.04	13.92	97.92	-546.06	-871.00	842.56	815.04	27.52	30.620	
5,100.00	5,043.24	5,067.11	5,066.44	13.33	14.14	98.88	-547.41	-870.25	843.83	815.82	28.01	30.121	
5,200.00	5,142.01	5,163.45	5,162.77	13.62	14.36	99.80	-549.05	-869.62	845.38	816.85	28.53	29.634	
5,300.00	5,240.78	5,259.57	5,258.88	13.92	14.60	100.73	-550.18	-869.30	847.59	818.54	29.05	29.179	
5,400.00	5,339.54	5,357.31	5,356.62	14.22	14.85	101.70	-550.89	-869.08	850.26	820.68	29.58	28.744	
5,500.00	5,438.31	5,454.73	5,454.04	14.52	15.11	102.64	-551.89	-869.06	853.30	823.16	30.14	28.314	
5,600.00	5,537.07	5,551.79	5,551.08	14.82	15.40	103.55	-553.20	-869.36	856.79	826.08	30.71	27.896	
5,700.00	5,635.84	5,647.66	5,646.94	15.12	15.70	104.42	-554.61	-869.94	860.75	829.45	31.30	27.503	
5,800.00	5,734.61	5,748.27	5,747.53	15.42	16.01	105.31	-556.25	-870.95	865.24	833.34	31.90	27.127	
5,900.00	5,833.37	5,853.77	5,853.03	15.73	16.31	106.25	-557.88	-871.15	869.21	836.72	32.48	26.757	
6,000.00	5,932.14	5,953.45	5,952.69	16.04	16.56	107.18	-558.94	-870.72	872.97	839.94	33.03	26.430	
6,100.00	6,030.90	6,054.44	6,053.67	16.34	16.81	108.11	-560.12	-870.34	876.99	843.43	33.57	26.126	
6,200.00	6,129.67	6,155.26	6,154.49	16.65	17.03	109.04	-561.17	-869.46	880.82	846.75	34.07	25.850	
6,300.00	6,228.44	6,254.01	6,253.23	16.96	17.23	109.97	-561.98	-868.52	884.89	850.34	34.56	25.606	
6,400.00	6,327.20	6,352.44	6,351.65	17.28	17.41	110.88	-562.82	-867.57	889.18	854.15	35.03	25.383	
6,500.00	6,425.97	6,451.61	6,450.82	17.59	17.58	111.81	-563.30	-866.54	893.78	858.30	35.49	25.187	
6,600.00	6,524.73	6,551.27	6,550.46	17.90	17.72	113.41	-563.72	-865.31	898.48	862.57	35.91	25.019 SF	
6,700.00	6,623.16	6,647.53	6,646.71	18.15	17.82	160.84	-563.30	-863.77	910.57	874.33	36.24	25.123	
6,800.00	6,719.30	6,746.15	6,745.32	18.41	17.94	-178.59	-563.36	-862.71	936.60	900.01	36.59	25.596	
6,900.00	6,810.79	6,844.03	6,843.19	18.65	18.10	-168.79	-563.96	-861.15	974.91	937.95	36.96	26.376	
7,000.00	6,895.36	6,928.53	6,927.68	18.89	18.25	-162.49	-564.59	-859.66	1,025.20	987.88	37.31	27.475	
7,100.00	6,970.94	7,000.89	7,000.02	19.11	18.40	-157.13	-565.24	-858.71	1,086.87	1,049.24	37.63	28.881	
7,200.00	7,035.67	7,079.85	7,078.97	19.33	18.54	-151.83	-565.64	-857.20	1,158.17	1,120.26	37.91	30.550	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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) - UPRC 29-7C - Noble T/A 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	
5,000.00	4,944.48	4,935.48	4,935.48	13.04	173.14	-72.19	-1,156.97	1,066.85	1,197.03	1,010.40	186.62	6.414	
5,100.00	5,043.24	5,034.24	5,034.24	13.33	176.63	-72.90	-1,156.97	1,066.85	1,192.27	1,001.86	190.42	6.261	
5,200.00	5,142.01	5,133.01	5,133.01	13.62	180.13	-73.62	-1,156.97	1,066.85	1,187.71	993.49	194.22	6.115	
5,300.00	5,240.78	5,231.78	5,231.78	13.92	183.63	-74.33	-1,156.97	1,066.85	1,183.34	985.32	198.02	5.976	
5,400.00	5,339.54	5,330.54	5,330.54	14.22	187.13	-75.06	-1,156.97	1,066.85	1,179.16	977.33	201.83	5.842	
5,500.00	5,438.31	5,429.31	5,429.31	14.52	190.63	-75.79	-1,156.97	1,066.85	1,175.17	969.54	205.63	5.715	
5,600.00	5,537.07	5,528.07	5,528.07	14.82	194.13	-76.52	-1,156.97	1,066.85	1,171.38	961.94	209.44	5.593	
5,700.00	5,635.84	5,626.84	5,626.84	15.12	197.63	-77.26	-1,156.97	1,066.85	1,167.78	954.53	213.25	5.476	
5,800.00	5,734.61	5,725.61	5,725.61	15.42	201.13	-78.00	-1,156.97	1,066.85	1,164.39	947.33	217.06	5.364	
5,900.00	5,833.37	5,824.37	5,824.37	15.73	204.63	-78.75	-1,156.97	1,066.85	1,161.20	940.32	220.87	5.257	
6,000.00	5,932.14	5,923.14	5,923.14	16.04	208.13	-79.50	-1,156.97	1,066.85	1,158.21	933.52	224.69	5.155	
6,100.00	6,030.90	6,021.90	6,021.90	16.34	211.62	-80.26	-1,156.97	1,066.85	1,155.42	926.92	228.50	5.056	
6,200.00	6,129.67	6,120.67	6,120.67	16.65	215.12	-81.01	-1,156.97	1,066.85	1,152.84	920.52	232.32	4.962	
6,300.00	6,228.44	6,219.44	6,219.44	16.96	218.62	-81.77	-1,156.97	1,066.85	1,150.47	914.33	236.13	4.872	
6,400.00	6,327.20	6,318.20	6,318.20	17.28	222.12	-82.54	-1,156.97	1,066.85	1,148.31	908.35	239.95	4.786	
6,500.00	6,425.97	6,416.97	6,416.97	17.59	225.62	-83.31	-1,156.97	1,066.85	1,146.35	902.58	243.77	4.703	
6,600.00	6,524.73	6,515.73	6,515.73	17.90	229.12	-83.41	-1,156.97	1,066.85	1,144.61	897.02	247.59	4.623	
6,700.00	6,623.16	6,614.16	6,614.16	18.15	232.61	-37.78	-1,156.97	1,066.85	1,135.16	883.83	251.33	4.517	
6,800.00	6,719.30	6,710.30	6,710.30	18.41	236.01	-18.84	-1,156.97	1,066.85	1,110.62	855.63	254.99	4.356	
6,900.00	6,810.79	6,801.79	6,801.79	18.65	239.25	-10.53	-1,156.97	1,066.85	1,071.49	813.02	258.47	4.146	
7,000.00	6,895.36	6,886.36	6,886.36	18.89	242.25	-5.75	-1,156.97	1,066.85	1,018.68	756.99	261.69	3.893	
7,100.00	6,970.94	6,961.94	6,961.94	19.11	244.93	-2.13	-1,156.97	1,066.85	953.44	688.88	264.57	3.604	
7,200.00	7,035.67	7,026.67	7,026.67	19.33	247.22	1.57	-1,156.97	1,066.85	877.35	610.33	267.02	3.286	
7,300.00	7,087.95	7,078.95	7,078.95	19.55	249.07	6.72	-1,156.97	1,066.85	792.28	523.29	268.99	2.945	
7,400.00	7,126.50	7,117.50	7,117.50	19.81	250.44	16.35	-1,156.97	1,066.85	700.37	429.95	270.42	2.590	
7,500.00	7,150.36	7,141.36	7,141.36	20.16	251.29	39.72	-1,156.97	1,066.85	603.98	332.72	271.26	2.227	
7,600.00	7,158.95	7,149.95	7,149.95	20.66	251.59	87.43	-1,156.97	1,066.85	505.74	234.27	271.47	1.863	
7,700.00	7,159.22	7,150.22	7,150.22	21.32	251.60	89.39	-1,156.97	1,066.85	407.96	136.66	271.30	1.504	
7,800.00	7,159.47	7,150.47	7,150.47	22.13	251.61	89.55	-1,156.97	1,066.85	311.58	40.50	271.08	1.149 Level 2	
7,900.00	7,159.72	7,150.72	7,150.72	23.06	251.62	89.70	-1,156.97	1,066.85	218.50	-52.38	270.88	0.807 Level 1	
8,000.00	7,159.98	7,150.98	7,150.98	24.08	251.63	89.85	-1,156.97	1,066.85	135.63	-135.95	271.58	0.499 Level 1	
8,096.72	7,160.22	7,151.22	7,151.22	25.15	251.63	90.00	-1,156.97	1,066.85	95.09	-181.45	276.54	0.344 Level 1, CC	
8,100.00	7,160.23	7,151.23	7,151.23	25.19	251.63	90.01	-1,156.97	1,066.85	95.14	-181.57	276.71	0.344 Level 1, ES, SF	
8,200.00	7,160.48	7,151.48	7,151.48	26.36	251.64	90.16	-1,156.97	1,066.85	140.39	-136.81	277.19	0.506 Level 1	
8,300.00	7,160.74	7,151.74	7,151.74	27.58	251.65	90.31	-1,156.97	1,066.85	224.42	-51.19	275.61	0.814 Level 1	
8,400.00	7,160.99	7,151.99	7,151.99	28.85	251.66	90.46	-1,156.97	1,066.85	317.83	43.07	274.76	1.157 Level 2	
8,500.00	7,161.24	7,152.24	7,152.24	30.16	251.67	90.62	-1,156.97	1,066.85	414.34	140.04	274.30	1.511	
8,600.00	7,161.50	7,152.50	7,152.50	31.50	251.68	90.77	-1,156.97	1,066.85	512.18	238.15	274.03	1.869	
8,700.00	7,161.75	7,152.75	7,152.75	32.88	251.69	90.92	-1,156.97	1,066.85	610.72	336.87	273.86	2.230	
8,800.00	7,162.00	7,153.00	7,153.00	34.28	251.70	91.07	-1,156.97	1,066.85	709.68	435.93	273.75	2.592	
8,900.00	7,162.25	7,153.25	7,153.25	35.71	251.71	91.22	-1,156.97	1,066.85	808.88	535.20	273.68	2.956	
9,000.00	7,162.51	7,153.51	7,153.51	37.15	251.72	91.38	-1,156.97	1,066.85	908.27	634.63	273.64	3.319	
9,100.00	7,162.76	7,153.76	7,153.76	38.62	251.72	91.53	-1,156.97	1,066.85	1,007.77	734.15	273.62	3.683	
9,200.00	7,163.01	7,154.01	7,154.01	40.10	251.73	91.68	-1,156.97	1,066.85	1,107.37	833.75	273.61	4.047	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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) - UPRC 29-8C - 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	
8,100.00	7,160.23	7,240.23	7,240.23	25.19	254.79	89.42	-1,342.68	2,198.08	1,162.65	888.37	274.28	4.239	
8,200.00	7,160.48	7,240.48	7,240.48	26.36	254.80	89.48	-1,342.68	2,198.08	1,065.96	791.73	274.23	3.887	
8,300.00	7,160.74	7,240.74	7,240.74	27.58	254.81	89.53	-1,342.68	2,198.08	969.95	695.73	274.22	3.537	
8,400.00	7,160.99	7,240.99	7,240.99	28.85	254.82	89.58	-1,342.68	2,198.08	874.83	600.55	274.27	3.190	
8,500.00	7,161.24	7,241.24	7,241.24	30.16	254.82	89.63	-1,342.68	2,198.08	780.92	506.48	274.44	2.846	
8,600.00	7,161.50	7,241.50	7,241.50	31.50	254.83	89.68	-1,342.68	2,198.08	688.74	413.92	274.82	2.506	
8,700.00	7,161.75	7,241.75	7,241.75	32.88	254.84	89.73	-1,342.68	2,198.08	599.07	323.50	275.56	2.174	
8,800.00	7,162.00	7,242.00	7,242.00	34.28	254.85	89.78	-1,342.68	2,198.08	513.23	236.27	276.96	1.853	
8,900.00	7,162.25	7,242.25	7,242.25	35.71	254.86	89.83	-1,342.68	2,198.08	433.50	154.09	279.41	1.551	
9,000.00	7,162.51	7,242.51	7,242.51	37.15	254.87	89.88	-1,342.68	2,198.08	363.92	80.53	283.40	1.284	Level 3
9,100.00	7,162.76	7,242.76	7,242.76	38.62	254.88	89.93	-1,342.68	2,198.08	311.38	22.46	288.92	1.078	Level 2
9,200.00	7,163.01	7,243.01	7,243.01	40.10	254.89	89.99	-1,342.68	2,198.08	285.45	-8.94	294.39	0.970	Level 1
9,227.40	7,163.08	7,243.08	7,243.08	40.51	254.89	90.00	-1,342.68	2,198.08	284.13	-11.35	295.48	0.962	Level 1, CC, ES, SF
9,300.00	7,163.27	7,243.27	7,243.27	41.59	254.90	90.04	-1,342.68	2,198.08	293.26	-3.72	296.98	0.987	Level 1
9,400.00	7,163.52	7,243.52	7,243.52	43.10	254.90	90.09	-1,342.68	2,198.08	332.44	36.30	296.15	1.123	Level 2
9,500.00	7,163.77	7,243.77	7,243.77	44.62	254.91	90.14	-1,342.68	2,198.08	393.75	99.96	293.79	1.340	Level 3
9,600.00	7,164.03	7,244.03	7,244.03	46.15	254.92	90.19	-1,342.68	2,198.08	468.57	177.21	291.36	1.608	
9,700.00	7,164.28	7,244.28	7,244.28	47.69	254.93	90.24	-1,342.68	2,198.08	551.43	262.12	289.31	1.906	
9,800.00	7,164.53	7,244.53	7,244.53	49.24	254.94	90.29	-1,342.68	2,198.08	639.21	351.52	287.70	2.222	
9,900.00	7,164.79	7,244.79	7,244.79	50.79	254.95	90.34	-1,342.68	2,198.08	730.15	443.71	286.43	2.549	
10,000.00	7,165.04	7,245.04	7,245.04	52.36	254.96	90.39	-1,342.68	2,198.08	823.18	537.74	285.45	2.884	
10,100.00	7,165.29	7,245.29	7,245.29	53.93	254.97	90.45	-1,342.68	2,198.08	917.69	633.02	284.66	3.224	
10,200.00	7,165.54	7,245.54	7,245.54	55.50	254.98	90.50	-1,342.68	2,198.08	1,013.25	729.21	284.04	3.567	
10,300.00	7,165.80	7,245.80	7,245.80	57.08	254.99	90.55	-1,342.68	2,198.08	1,109.59	826.05	283.54	3.913	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												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	
7,700.00	7,159.22	7,134.22	7,134.22	21.32	251.03	-89.91	-53.15	1,278.55	1,179.16	906.29	272.87	4.321	
7,800.00	7,159.47	7,134.47	7,134.47	22.13	251.04	-89.93	-53.15	1,278.55	1,130.52	856.82	273.71	4.130	
7,900.00	7,159.72	7,134.72	7,134.72	23.06	251.05	-89.94	-53.15	1,278.55	1,088.92	814.28	274.64	3.965	
8,000.00	7,159.98	7,134.98	7,134.98	24.08	251.06	-89.96	-53.15	1,278.55	1,055.19	779.55	275.63	3.828	
8,100.00	7,160.23	7,135.23	7,135.23	25.19	251.07	-89.97	-53.15	1,278.55	1,030.09	753.44	276.65	3.723	
8,200.00	7,160.48	7,135.48	7,135.48	26.36	251.08	-89.98	-53.15	1,278.55	1,014.27	736.63	277.64	3.653	
8,300.00	7,160.74	7,135.74	7,135.74	27.58	251.09	-90.00	-53.15	1,278.55	1,008.18	729.62	278.56	3.619	
8,311.67	7,160.77	7,135.77	7,135.77	27.73	251.09	-90.00	-53.15	1,278.55	1,008.11	729.45	278.66	3.618	CC, ES, SF
8,400.00	7,160.99	7,135.99	7,135.99	28.85	251.09	-90.01	-53.15	1,278.55	1,011.97	732.62	279.35	3.623	
8,500.00	7,161.24	7,136.24	7,136.24	30.16	251.10	-90.03	-53.15	1,278.55	1,025.55	745.55	280.00	3.663	
8,600.00	7,161.50	7,136.50	7,136.50	31.50	251.11	-90.04	-53.15	1,278.55	1,048.53	768.05	280.48	3.738	
8,700.00	7,161.75	7,136.75	7,136.75	32.88	251.12	-90.06	-53.15	1,278.55	1,080.32	799.51	280.81	3.847	
8,800.00	7,162.00	7,137.00	7,137.00	34.28	251.13	-90.07	-53.15	1,278.55	1,120.16	839.17	280.99	3.986	
8,900.00	7,162.25	7,137.25	7,137.25	35.71	251.14	-90.08	-53.15	1,278.55	1,167.23	886.18	281.05	4.153	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	119.86	-0.84	119.86					
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	119.86	-0.84	119.86	112.33	7.53	15.920		
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	119.86	-0.84	119.86	112.29	7.57	15.825 CC, ES		
300.00	299.98	301.03	301.02	3.34	3.34	175.71	119.12	-1.45	120.87	113.22	7.65	15.797		
400.00	399.84	400.92	400.91	3.40	3.40	175.55	118.25	-2.18	125.23	117.46	7.77	16.119		
500.00	499.45	500.61	500.59	3.49	3.48	175.51	117.39	-2.91	133.07	125.13	7.93	16.775		
600.00	598.70	600.03	599.94	3.60	3.58	175.57	116.52	-3.63	144.36	136.22	8.14	17.736		
700.00	697.53	701.07	698.90	3.75	3.70	175.72	115.66	-4.36	158.69	150.30	8.39	18.913		
800.00	796.30	802.16	797.80	3.93	3.83	175.86	114.80	-5.08	173.46	164.79	8.67	20.012		
900.00	895.07	903.26	896.70	4.14	3.98	175.98	113.94	-5.80	188.22	179.25	8.98	20.966		
1,000.00	993.83	1,004.36	995.59	4.37	4.15	176.09	113.08	-6.52	202.99	193.68	9.32	21.787		
1,100.00	1,092.60	1,105.46	1,094.49	4.61	4.32	176.17	112.22	-7.24	217.76	208.08	9.68	22.491		
1,200.00	1,191.37	1,206.55	1,193.38	4.88	4.51	176.25	111.36	-7.96	232.53	222.46	10.07	23.091		
1,300.00	1,290.13	1,307.65	1,292.28	5.15	4.71	176.32	110.51	-8.68	247.30	236.82	10.48	23.601		
1,400.00	1,388.90	1,408.75	1,391.18	5.44	4.91	176.38	109.65	-9.40	262.07	251.17	10.90	24.035		
1,500.00	1,487.66	1,509.84	1,490.07	5.74	5.12	176.43	108.79	-10.13	276.84	265.50	11.34	24.403		
1,600.00	1,586.43	1,589.06	1,588.97	6.04	5.29	176.48	107.93	-10.85	291.61	279.86	11.75	24.814		
1,700.00	1,685.20	1,687.96	1,687.87	6.36	5.51	176.53	107.07	-11.57	306.38	294.17	12.21	25.089		
1,800.00	1,783.96	1,786.86	1,786.76	6.68	5.73	176.57	106.21	-12.29	321.15	308.47	12.68	25.322		
1,900.00	1,882.73	1,885.77	1,885.66	6.85	5.95	176.60	105.35	-13.01	335.93	323.26	12.66	26.530		
2,000.00	1,981.49	1,984.67	1,984.56	6.89	6.18	176.64	104.49	-13.73	350.70	337.79	12.91	27.170		
2,100.00	2,080.26	2,083.57	2,083.45	6.94	6.42	176.67	103.63	-14.45	365.47	352.30	13.17	27.748		
2,200.00	2,179.03	2,182.48	2,182.35	7.01	6.65	176.69	102.77	-15.17	380.24	366.79	13.45	28.265		
2,300.00	2,277.79	2,281.38	2,281.25	7.09	6.89	176.72	101.91	-15.89	395.01	381.26	13.75	28.725		
2,400.00	2,376.56	2,380.28	2,380.14	7.19	7.13	176.74	101.05	-16.62	409.78	395.72	14.07	29.132		
2,500.00	2,475.32	2,479.18	2,479.04	7.31	7.38	176.77	100.19	-17.34	424.55	410.16	14.40	29.488		
2,600.00	2,574.09	2,578.09	2,577.94	7.44	7.62	176.79	99.33	-18.06	439.33	424.58	14.74	29.798		
2,700.00	2,672.86	2,676.99	2,676.83	7.58	7.87	176.81	98.47	-18.78	454.10	438.99	15.10	30.065		
2,800.00	2,771.62	2,775.89	2,775.73	7.73	8.12	176.83	97.61	-19.50	468.87	453.39	15.48	30.293		
2,900.00	2,870.39	2,874.80	2,874.62	7.90	8.37	176.84	96.75	-20.22	483.64	467.78	15.86	30.487		
3,000.00	2,969.16	2,973.70	2,973.52	8.07	8.62	176.86	95.89	-20.94	498.41	482.15	16.26	30.648		
3,100.00	3,067.92	3,072.60	3,072.42	8.26	8.88	176.87	95.03	-21.66	513.19	496.51	16.67	30.781		
3,200.00	3,166.69	3,171.50	3,171.31	8.46	9.13	176.89	94.18	-22.39	527.96	510.87	17.09	30.889		
3,300.00	3,265.45	3,270.41	3,270.21	8.66	9.39	176.90	93.32	-23.11	542.73	525.21	17.52	30.975		
3,400.00	3,364.22	3,369.31	3,369.11	8.88	9.64	176.92	92.46	-23.83	557.50	539.54	17.96	31.041		
3,500.00	3,462.99	3,468.21	3,468.00	9.10	9.90	176.93	91.60	-24.55	572.27	553.87	18.41	31.090		
3,600.00	3,561.75	3,567.12	3,566.90	9.32	10.16	176.94	90.74	-25.27	587.05	568.18	18.86	31.123		
3,700.00	3,660.52	3,666.02	3,665.80	9.56	10.42	176.95	89.88	-25.99	601.82	582.49	19.32	31.143		
3,800.00	3,759.28	3,764.92	3,764.69	9.80	10.68	176.96	89.02	-26.71	616.59	596.80	19.79	31.151		
3,900.00	3,858.05	3,863.82	3,863.59	10.05	10.94	176.97	88.16	-27.43	631.36	611.09	20.27	31.150		
4,000.00	3,956.82	3,962.73	3,962.49	10.30	11.20	176.98	87.30	-28.16	646.13	625.39	20.75	31.140		
4,100.00	4,055.58	4,061.63	4,061.38	10.56	11.46	176.99	86.44	-28.88	660.91	639.67	21.24	31.122		
4,200.00	4,154.35	4,160.53	4,160.28	10.82	11.72	177.00	85.58	-29.60	675.68	653.95	21.73	31.098		
4,300.00	4,253.11	4,259.44	4,259.18	11.08	11.99	177.01	84.72	-30.32	690.45	668.23	22.22	31.068		
4,400.00	4,351.88	4,358.34	4,358.07	11.35	12.25	177.02	83.86	-31.04	705.22	682.50	22.72	31.034		
4,500.00	4,450.65	4,457.24	4,456.97	11.63	12.51	177.02	83.00	-31.76	720.00	696.77	23.23	30.996		
4,600.00	4,549.41	4,556.14	4,555.86	11.90	12.78	177.03	82.14	-32.48	734.77	711.03	23.74	30.954		
4,700.00	4,648.18	4,655.05	4,654.76	12.18	13.04	177.04	81.28	-33.20	749.54	725.29	24.25	30.910		
4,800.00	4,746.95	4,753.95	4,753.66	12.47	13.31	177.04	80.42	-33.92	764.31	739.55	24.76	30.863		
4,900.00	4,845.71	4,852.85	4,852.55	12.75	13.57	177.05	79.56	-34.65	779.09	753.80	25.28	30.815		
5,000.00	4,944.48	4,951.75	4,951.45	13.04	13.84	177.06	78.70	-35.37	793.86	768.05	25.80	30.765		
5,100.00	5,043.24	5,050.66	5,050.35	13.33	14.10	177.06	77.84	-36.09	808.63	782.30	26.33	30.714		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	5,142.01	5,149.56	5,149.24	13.62	14.37	177.07	76.99	-36.81	823.40	796.55	26.85	30.662		
5,300.00	5,240.78	5,248.46	5,248.14	13.92	14.63	177.08	76.13	-37.53	838.17	810.79	27.38	30.609		
5,400.00	5,339.54	5,347.37	5,347.04	14.22	14.90	177.08	75.27	-38.25	852.95	825.03	27.91	30.556		
5,500.00	5,438.31	5,446.27	5,445.93	14.52	15.17	177.09	74.41	-38.97	867.72	839.27	28.45	30.503		
5,600.00	5,537.07	5,545.17	5,544.83	14.82	15.44	177.09	73.55	-39.69	882.49	853.51	28.98	30.450		
5,700.00	5,635.84	5,644.07	5,643.73	15.12	15.70	177.10	72.69	-40.42	897.26	867.75	29.52	30.396		
5,800.00	5,734.61	5,742.98	5,742.62	15.42	15.97	177.10	71.83	-41.14	912.04	881.98	30.06	30.343		
5,900.00	5,833.37	5,841.88	5,841.52	15.73	16.24	177.11	70.97	-41.86	926.81	896.21	30.60	30.290		
6,000.00	5,932.14	5,940.78	5,940.42	16.04	16.51	177.11	70.11	-42.58	941.58	910.44	31.14	30.237		
6,100.00	6,030.90	6,039.69	6,039.31	16.34	16.77	177.11	69.25	-43.30	956.35	924.67	31.68	30.185		
6,200.00	6,129.67	6,138.59	6,138.21	16.65	17.04	177.12	68.39	-44.02	971.13	938.90	32.23	30.133		
6,300.00	6,228.44	6,237.49	6,237.10	16.96	17.31	177.12	67.53	-44.74	985.90	953.12	32.77	30.082		
6,400.00	6,327.20	6,336.39	6,336.00	17.28	17.58	177.13	66.67	-45.46	1,000.67	967.35	33.32	30.031		
6,500.00	6,425.97	6,435.30	6,434.90	17.59	17.85	177.13	65.81	-46.19	1,015.44	981.57	33.87	29.980		
6,600.00	6,524.73	6,534.20	6,533.79	17.90	18.12	177.81	64.95	-46.91	1,030.22	995.80	34.42	29.931		
6,700.00	6,623.16	6,632.71	6,632.29	18.15	18.38	-135.10	64.10	-47.62	1,044.83	1,009.90	34.93	29.911		
6,800.00	6,719.30	6,728.91	6,728.49	18.41	18.64	-115.84	63.26	-48.29	1,059.23	1,023.81	35.42	29.905		
6,900.00	6,810.79	6,827.13	6,826.29	18.65	18.86	-107.90	62.46	-40.40	1,073.71	1,037.86	35.85	29.950		
7,000.00	6,895.36	6,930.57	6,926.68	18.89	19.08	-103.96	61.75	-15.96	1,088.01	1,051.73	36.27	29.994		
7,100.00	6,970.94	7,040.07	7,027.15	19.11	19.31	-101.84	61.15	27.24	1,101.71	1,064.97	36.74	29.988		
7,200.00	7,035.67	7,156.38	7,124.08	19.33	19.58	-100.71	60.71	91.23	1,114.33	1,076.99	37.33	29.850		
7,300.00	7,087.95	7,279.99	7,212.52	19.55	20.08	-100.17	60.48	177.30	1,125.33	1,087.11	38.22	29.444		
7,400.00	7,126.50	7,410.86	7,286.19	19.81	21.02	-100.00	60.51	285.20	1,134.15	1,094.51	39.64	28.614		
7,500.00	7,150.36	7,548.18	7,338.10	20.16	22.58	-100.06	60.85	412.04	1,140.24	1,098.44	41.80	27.279		
7,600.00	7,158.95	7,690.19	7,361.95	20.66	24.79	-100.24	61.51	551.73	1,143.17	1,098.41	44.77	25.537		
7,700.00	7,159.22	7,801.56	7,362.92	21.32	26.16	-100.26	62.20	663.08	1,143.56	1,096.58	46.98	24.344		
7,800.00	7,159.47	7,901.55	7,362.81	22.13	26.35	-100.24	62.82	763.07	1,143.82	1,095.71	48.11	23.776		
7,900.00	7,159.72	8,001.55	7,362.70	23.06	26.65	-100.22	63.44	863.07	1,144.08	1,094.65	49.42	23.148		
8,000.00	7,159.98	8,101.55	7,362.59	24.08	27.04	-100.20	64.06	963.07	1,144.33	1,093.42	50.91	22.478		
8,100.00	7,160.23	8,201.55	7,362.48	25.19	27.53	-100.18	64.69	1,063.06	1,144.59	1,092.04	52.55	21.780		
8,200.00	7,160.48	8,301.55	7,362.37	26.36	28.11	-100.16	65.31	1,163.06	1,144.85	1,090.51	54.34	21.070		
8,300.00	7,160.74	8,401.55	7,362.25	27.58	28.78	-100.14	65.93	1,263.06	1,145.11	1,088.86	56.25	20.357		
8,400.00	7,160.99	8,501.55	7,362.14	28.85	29.53	-100.12	66.55	1,363.05	1,145.37	1,087.08	58.29	19.650		
8,500.00	7,161.24	8,601.55	7,362.03	30.16	30.35	-100.09	67.18	1,463.05	1,145.63	1,085.20	60.43	18.958		
8,600.00	7,161.50	8,701.55	7,361.92	31.50	31.24	-100.07	67.80	1,563.05	1,145.89	1,083.22	62.67	18.285		
8,700.00	7,161.75	8,801.54	7,361.81	32.88	32.19	-100.05	68.42	1,663.04	1,146.15	1,081.15	65.00	17.634		
8,800.00	7,162.00	8,901.54	7,361.70	34.28	33.20	-100.03	69.04	1,763.04	1,146.41	1,079.00	67.41	17.008		
8,900.00	7,162.25	9,001.54	7,361.59	35.71	34.26	-100.01	69.66	1,863.04	1,146.67	1,076.78	69.89	16.408		
9,000.00	7,162.51	9,101.54	7,361.48	37.15	35.36	-99.99	70.29	1,963.03	1,146.93	1,074.49	72.43	15.835		
9,100.00	7,162.76	9,201.54	7,361.37	38.62	36.51	-99.97	70.91	2,063.03	1,147.19	1,072.15	75.04	15.289		
9,200.00	7,163.01	9,301.54	7,361.25	40.10	37.70	-99.95	71.53	2,163.03	1,147.45	1,069.75	77.69	14.769		
9,300.00	7,163.27	9,401.54	7,361.14	41.59	38.93	-99.93	72.15	2,263.02	1,147.71	1,067.31	80.40	14.275		
9,400.00	7,163.52	9,501.54	7,361.03	43.10	40.18	-99.91	72.78	2,363.02	1,147.97	1,064.82	83.15	13.807		
9,500.00	7,163.77	9,601.53	7,360.92	44.62	41.47	-99.89	73.40	2,463.02	1,148.23	1,062.29	85.94	13.362		
9,600.00	7,164.03	9,701.53	7,360.81	46.15	42.78	-99.87	74.02	2,563.01	1,148.49	1,059.73	88.76	12.939		
9,700.00	7,164.28	9,801.53	7,360.70	47.69	44.12	-99.85	74.64	2,663.01	1,148.75	1,057.13	91.62	12.539		
9,800.00	7,164.53	9,901.53	7,360.59	49.24	45.48	-99.82	75.27	2,763.01	1,149.01	1,054.51	94.50	12.158		
9,900.00	7,164.79	10,001.53	7,360.48	50.79	46.86	-99.80	75.89	2,863.01	1,149.27	1,051.85	97.42	11.797		
10,000.00	7,165.04	10,101.53	7,360.37	52.36	48.25	-99.78	76.51	2,963.00	1,149.53	1,049.18	100.36	11.455		
10,100.00	7,165.29	10,201.53	7,360.25	53.93	49.67	-99.76	77.13	3,063.00	1,149.79	1,046.48	103.32	11.129		
10,200.00	7,165.54	10,301.53	7,360.14	55.50	51.10	-99.74	77.76	3,163.00	1,150.06	1,043.76	106.30	10.819		
10,300.00	7,165.80	10,401.52	7,360.03	57.08	52.54	-99.72	78.38	3,262.99	1,150.32	1,041.02	109.30	10.524		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	7,166.05	10,501.52	7,359.92	58.67	54.00	-99.70	79.00	3,362.99	1,150.58	1,038.26	112.32	10.244		
10,500.00	7,166.30	10,601.52	7,359.81	60.26	55.47	-99.68	79.62	3,462.99	1,150.84	1,035.48	115.36	9.976		
10,600.00	7,166.56	10,701.52	7,359.70	61.85	56.95	-99.66	80.24	3,562.98	1,151.10	1,032.70	118.41	9.722		
10,700.00	7,166.81	10,801.52	7,359.59	63.45	58.44	-99.64	80.87	3,662.98	1,151.37	1,029.89	121.47	9.478		
10,800.00	7,167.06	10,887.89	7,359.49	65.06	59.73	-99.61	82.25	3,749.34	1,152.55	1,028.28	124.26	9.275		
10,900.00	7,167.32	10,987.88	7,359.38	66.66	61.24	-99.58	84.08	3,849.31	1,153.99	1,026.64	127.35	9.061		
11,000.00	7,167.57	11,087.87	7,359.27	68.27	62.75	-99.55	85.90	3,949.28	1,155.44	1,024.99	130.45	8.857		
11,100.00	7,167.82	11,187.85	7,359.16	69.88	64.28	-99.52	87.72	4,049.25	1,156.88	1,023.32	133.56	8.662		
11,200.00	7,168.08	11,287.84	7,359.05	71.50	65.80	-99.49	89.54	4,149.22	1,158.33	1,021.65	136.68	8.475		
11,300.00	7,168.33	11,387.83	7,358.94	73.11	67.34	-99.46	91.36	4,249.19	1,159.78	1,019.96	139.81	8.295		
11,400.00	7,168.58	11,487.82	7,358.83	74.73	68.88	-99.43	93.19	4,349.16	1,161.23	1,018.27	142.95	8.123		
11,500.00	7,168.84	11,587.80	7,358.71	76.35	70.43	-99.40	95.01	4,449.14	1,162.67	1,016.57	146.10	7.958		
11,600.00	7,169.09	11,687.79	7,358.60	77.98	71.98	-99.37	96.83	4,549.11	1,164.12	1,014.87	149.25	7.800		
11,700.00	7,169.34	11,787.78	7,358.49	79.60	73.54	-99.34	98.65	4,649.08	1,165.57	1,013.16	152.41	7.647		
11,800.00	7,169.59	11,887.77	7,358.38	81.23	75.11	-99.31	100.47	4,749.05	1,167.02	1,011.44	155.58	7.501		
11,900.00	7,169.85	11,987.71	7,358.27	82.86	76.67	-99.28	102.29	4,848.97	1,170.11	1,011.35	158.76	7.370		
12,000.00	7,170.10	12,087.53	7,358.16	84.50	78.24	-99.23	104.11	4,948.78	1,175.89	1,013.95	161.94	7.261		
12,100.00	7,170.36	12,187.35	7,358.05	86.14	79.81	-99.16	105.93	5,048.58	1,181.86	1,016.73	165.14	7.157		
12,200.00	7,170.61	12,287.16	7,357.94	87.78	81.39	-99.10	107.75	5,148.37	1,187.84	1,019.50	168.34	7.056		
12,300.00	7,170.87	12,386.97	7,357.83	89.43	82.97	-99.04	109.57	5,248.17	1,193.82	1,022.27	171.54	6.959		
12,400.00	7,171.12	12,486.78	7,357.72	91.07	84.56	-98.97	111.39	5,347.97	1,199.80	1,025.04	174.75	6.866		
14,400.00	7,176.20	14,524.80	7,355.45	123.93	117.42	-98.64	115.86	7,385.70	1,193.94	953.74	240.20	4.971		
14,500.00	7,176.46	14,624.62	7,355.34	125.57	119.05	-98.67	114.34	7,485.50	1,187.84	944.40	243.44	4.879		
14,600.00	7,176.71	14,724.43	7,355.23	127.21	120.68	-98.70	112.82	7,585.30	1,181.74	935.07	246.67	4.791		
14,700.00	7,176.96	14,824.32	7,355.12	128.86	122.31	-98.70	111.30	7,685.18	1,177.20	927.28	249.92	4.710		
14,800.00	7,177.21	14,924.31	7,355.01	130.51	123.95	-98.70	109.77	7,785.16	1,175.81	922.63	253.18	4.644		
14,900.00	7,177.47	15,024.30	7,354.90	132.17	125.58	-98.68	108.25	7,885.14	1,175.00	918.55	256.44	4.582		
15,000.00	7,177.72	15,124.30	7,354.79	133.82	127.22	-98.67	106.73	7,985.13	1,174.19	914.47	259.71	4.521		
15,100.00	7,177.97	15,224.30	7,354.68	135.48	128.86	-98.66	105.21	8,085.11	1,173.38	910.39	262.99	4.462		
15,200.00	7,178.23	15,324.29	7,354.57	137.14	130.50	-98.65	103.68	8,185.10	1,172.57	906.31	266.26	4.404		
15,300.00	7,178.48	15,424.29	7,354.46	138.80	132.14	-98.64	102.16	8,285.08	1,171.76	902.23	269.53	4.347		
15,400.00	7,178.73	15,524.29	7,354.35	140.46	133.78	-98.62	100.64	8,385.07	1,170.95	898.14	272.81	4.292		
15,500.00	7,178.99	15,624.28	7,354.23	142.12	135.42	-98.61	99.11	8,485.05	1,170.14	894.05	276.08	4.238		
15,600.00	7,179.24	15,724.28	7,354.12	143.78	137.06	-98.60	97.59	8,585.04	1,169.33	889.97	279.36	4.186		
15,700.00	7,179.49	15,824.28	7,354.01	145.43	138.70	-98.59	96.07	8,685.02	1,168.52	885.88	282.64	4.134		
15,800.00	7,179.75	15,924.27	7,353.90	147.09	140.35	-98.58	94.55	8,785.01	1,167.71	881.79	285.92	4.084		
15,900.00	7,180.00	16,024.27	7,353.79	148.75	141.99	-98.56	93.02	8,884.99	1,166.90	877.70	289.20	4.035		
16,000.00	7,180.25	16,124.26	7,353.68	150.42	143.63	-98.55	91.50	8,984.98	1,166.09	873.61	292.48	3.987		
16,100.00	7,180.51	16,224.26	7,353.57	152.08	145.28	-98.54	89.98	9,084.96	1,165.28	869.52	295.77	3.940		
16,200.00	7,180.76	16,324.26	7,353.46	153.74	146.93	-98.53	88.45	9,184.95	1,164.47	865.42	299.05	3.894		
16,300.00	7,181.01	16,424.25	7,353.35	155.40	148.57	-98.52	86.93	9,284.93	1,163.66	861.33	302.34	3.849		
16,400.00	7,181.27	16,524.25	7,353.24	157.06	150.22	-98.50	85.41	9,384.92	1,162.86	857.23	305.62	3.805		
16,500.00	7,181.52	16,624.25	7,353.13	158.72	151.87	-98.49	83.88	9,484.90	1,162.05	853.14	308.91	3.762		
16,600.00	7,181.77	16,724.24	7,353.02	160.38	153.52	-98.48	82.36	9,584.89	1,161.24	849.04	312.20	3.720		
16,700.00	7,182.03	16,824.24	7,352.90	162.05	155.17	-98.47	80.84	9,684.87	1,160.43	844.94	315.49	3.678		
16,800.00	7,182.28	16,924.24	7,352.79	163.71	156.81	-98.45	79.32	9,784.86	1,159.62	840.85	318.78	3.638		
16,900.00	7,182.53	17,024.23	7,352.68	165.37	158.46	-98.44	77.79	9,884.84	1,158.81	836.75	322.07	3.598		
17,000.00	7,182.79	17,124.23	7,352.57	167.03	160.12	-98.43	76.27	9,984.82	1,158.00	832.65	325.36	3.559		
17,100.00	7,183.04	17,224.22	7,352.46	168.70	161.77	-98.42	74.75	10,084.81	1,157.19	828.55	328.65	3.521		
17,200.00	7,183.29	17,324.22	7,352.35	170.36	163.42	-98.41	73.22	10,184.79	1,156.39	824.44	331.94	3.484		
17,300.00	7,183.55	17,424.22	7,352.24	172.02	165.07	-98.39	71.70	10,284.78	1,155.58	820.34	335.24	3.447		
17,400.00	7,183.80	17,524.21	7,352.13	173.69	166.72	-98.38	70.18	10,384.76	1,154.77	816.24	338.53	3.411		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	
17,500.00	7,184.05	17,624.21	7,352.02	175.35	168.37	-98.37	68.66	10,484.75	1,153.96	812.14	341.83	3.376	
17,600.00	7,184.31	17,724.21	7,351.91	177.01	170.03	-98.36	67.13	10,584.73	1,153.15	808.03	345.12	3.341	
17,700.00	7,184.56	17,824.20	7,351.80	178.68	171.68	-98.34	65.61	10,684.72	1,152.34	803.93	348.42	3.307	
17,800.00	7,184.81	17,924.20	7,351.68	180.34	173.33	-98.33	64.09	10,784.70	1,151.54	799.82	351.72	3.274	
17,900.00	7,185.07	18,024.20	7,351.57	182.01	174.99	-98.32	62.56	10,884.69	1,150.73	795.71	355.01	3.241	
18,000.00	7,185.32	18,124.19	7,351.46	183.67	176.64	-98.31	61.04	10,984.67	1,149.92	791.61	358.31	3.209	
18,100.00	7,185.57	18,224.19	7,351.35	185.33	178.30	-98.29	59.52	11,084.66	1,149.11	787.50	361.61	3.178	
18,200.00	7,185.83	18,324.19	7,351.24	187.00	179.95	-98.28	57.99	11,184.64	1,148.30	783.39	364.91	3.147	
18,300.00	7,186.08	18,424.18	7,351.13	188.66	181.61	-98.27	56.47	11,284.63	1,147.50	779.28	368.21	3.116	
18,400.00	7,186.33	18,524.18	7,351.02	190.33	183.26	-98.26	54.95	11,384.61	1,146.69	775.18	371.51	3.087	
18,500.00	7,186.59	18,624.17	7,350.91	191.99	184.92	-98.24	53.43	11,484.60	1,145.88	771.07	374.81	3.057	
18,600.00	7,186.84	18,724.17	7,350.80	193.66	186.58	-98.23	51.90	11,584.58	1,145.07	766.96	378.12	3.028	
18,700.00	7,187.09	18,824.17	7,350.69	195.33	188.23	-98.22	50.38	11,684.57	1,144.27	762.85	381.42	3.000	
18,800.00	7,187.35	18,924.16	7,350.58	196.99	189.89	-98.21	48.86	11,784.55	1,143.46	758.73	384.72	2.972	
18,900.00	7,187.60	19,024.16	7,350.46	198.66	191.55	-98.19	47.33	11,884.54	1,142.65	754.62	388.03	2.945	
19,000.00	7,187.85	19,124.16	7,350.35	200.32	193.21	-98.18	45.81	11,984.52	1,141.84	750.51	391.33	2.918	
19,100.00	7,188.11	19,224.15	7,350.24	201.99	194.86	-98.17	44.29	12,084.51	1,141.03	746.40	394.64	2.891	
19,200.00	7,188.36	19,324.15	7,350.13	203.65	196.52	-98.16	42.77	12,184.49	1,140.23	742.29	397.94	2.865	
19,300.00	7,188.61	19,424.15	7,350.02	205.32	198.18	-98.14	41.24	12,284.47	1,139.42	738.17	401.25	2.840	
19,400.00	7,188.87	19,524.14	7,349.91	206.99	199.84	-98.13	39.72	12,384.46	1,138.61	734.06	404.55	2.814	
19,500.00	7,189.12	19,624.14	7,349.80	208.65	201.50	-98.12	38.20	12,484.44	1,137.81	729.94	407.86	2.790	
19,600.00	7,189.37	19,724.14	7,349.69	210.32	203.16	-98.10	36.67	12,584.43	1,137.00	725.83	411.17	2.765	
19,700.00	7,189.63	19,824.13	7,349.58	211.99	204.82	-98.09	35.15	12,684.41	1,136.19	721.71	414.48	2.741	
19,800.00	7,189.88	19,924.13	7,349.47	213.65	206.48	-98.08	33.63	12,784.40	1,135.38	717.60	417.78	2.718	
19,900.00	7,190.13	20,024.12	7,349.36	215.32	208.14	-98.07	32.10	12,884.38	1,134.58	713.48	421.09	2.694	
20,000.00	7,190.39	20,124.12	7,349.24	216.99	209.80	-98.05	30.58	12,984.37	1,133.77	709.37	424.40	2.671	
20,100.00	7,190.64	20,224.12	7,349.13	218.65	211.46	-98.04	29.06	13,084.35	1,132.96	705.25	427.71	2.649	
20,200.00	7,190.89	20,324.11	7,349.02	220.32	213.12	-98.03	27.54	13,184.34	1,132.16	701.13	431.02	2.627	
20,229.83	7,190.97	20,344.81	7,349.00	220.82	213.46	-98.03	27.22	13,205.03	1,131.95	700.12	431.83	2.621	
20,242.80	7,191.00	20,344.81	7,349.00	221.04	213.46	-98.03	27.22	13,205.03	1,132.03	700.06	431.97	2.621 SF	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	-0.48	100.19	-0.84	100.19				
100.00	100.00	100.00	100.00	3.28	3.28	-0.48	100.19	-0.84	100.19	92.66	7.53	13.308	
200.00	200.00	200.00	200.00	3.31	3.31	-0.48	100.19	-0.84	100.19	92.62	7.57	13.229	CC, ES
300.00	299.98	300.59	300.58	3.34	3.34	175.53	99.67	-1.55	101.42	93.77	7.65	13.254	
400.00	399.84	400.47	400.46	3.40	3.40	175.29	99.07	-2.38	106.05	98.28	7.77	13.647	
500.00	499.45	500.14	500.12	3.49	3.48	175.22	98.46	-3.21	114.15	106.21	7.94	14.385	
600.00	598.70	600.54	599.44	3.60	3.58	175.28	97.86	-4.04	125.71	117.56	8.14	15.435	
700.00	697.53	701.61	698.37	3.75	3.70	175.43	97.26	-4.86	140.29	131.90	8.40	16.709	
800.00	796.30	802.74	797.22	3.93	3.84	175.58	96.66	-5.69	155.32	146.65	8.67	17.906	
900.00	895.07	903.88	896.08	4.14	3.99	175.70	96.07	-6.51	170.35	161.36	8.98	18.960	
1,000.00	993.83	1,005.02	994.94	4.37	4.16	175.81	95.47	-7.34	185.38	176.05	9.32	19.880	
1,100.00	1,092.60	1,106.15	1,093.80	4.61	4.33	175.90	94.87	-8.16	200.41	190.72	9.69	20.680	
1,200.00	1,191.37	1,207.29	1,192.66	4.88	4.52	175.97	94.27	-8.98	215.44	205.36	10.08	21.374	
1,300.00	1,290.13	1,308.43	1,291.52	5.15	4.71	176.04	93.67	-9.81	230.47	219.98	10.49	21.974	
1,400.00	1,388.90	1,409.56	1,390.38	5.44	4.92	176.09	93.07	-10.63	245.50	234.58	10.91	22.494	
1,500.00	1,487.66	1,489.30	1,489.23	5.74	5.08	176.14	92.47	-11.45	260.53	249.22	11.31	23.035	
1,600.00	1,586.43	1,588.17	1,588.09	6.04	5.29	176.19	91.88	-12.28	275.56	263.80	11.76	23.434	
1,700.00	1,685.20	1,687.03	1,686.95	6.36	5.51	176.23	91.28	-13.10	290.59	278.37	12.22	23.781	
1,800.00	1,783.96	1,785.89	1,785.81	6.68	5.73	176.27	90.68	-13.92	305.62	292.93	12.69	24.084	
1,900.00	1,882.73	1,884.76	1,884.67	6.85	5.86	176.30	90.08	-14.75	320.65	308.07	12.57	25.501	
2,000.00	1,981.49	1,983.62	1,983.53	6.89	5.89	176.33	89.48	-15.57	335.68	323.06	12.62	26.601	
2,100.00	2,080.26	2,082.48	2,082.39	6.94	5.91	176.36	88.88	-16.40	350.71	338.04	12.67	27.671	
2,200.00	2,179.03	2,181.35	2,181.24	7.01	5.95	176.38	88.29	-17.22	365.74	352.98	12.76	28.671	
2,300.00	2,277.79	2,280.21	2,280.10	7.09	6.00	176.41	87.69	-18.04	380.77	367.91	12.87	29.597	
2,400.00	2,376.56	2,379.08	2,378.96	7.19	6.06	176.43	87.09	-18.87	395.80	382.80	13.00	30.447	
2,500.00	2,475.32	2,477.94	2,477.82	7.31	6.13	176.45	86.49	-19.69	410.83	397.67	13.16	31.220	
2,600.00	2,574.09	2,576.80	2,576.68	7.44	6.21	176.47	85.89	-20.51	425.86	412.52	13.34	31.916	
2,700.00	2,672.86	2,675.67	2,675.54	7.58	6.31	176.49	85.29	-21.34	440.90	427.35	13.55	32.538	
2,800.00	2,771.62	2,774.53	2,774.40	7.73	6.41	176.50	84.70	-22.16	455.93	442.15	13.78	33.088	
2,900.00	2,870.39	2,873.39	2,873.25	7.90	6.52	176.52	84.10	-22.98	470.96	456.93	14.03	33.570	
3,000.00	2,969.16	2,972.26	2,972.11	8.07	6.65	176.53	83.50	-23.81	485.99	471.69	14.30	33.988	
3,100.00	3,067.92	3,071.12	3,070.97	8.26	6.78	176.54	82.90	-24.63	501.02	486.43	14.59	34.346	
3,200.00	3,166.69	3,169.99	3,169.83	8.46	6.92	176.56	82.30	-25.45	516.05	501.16	14.89	34.650	
3,300.00	3,265.45	3,268.85	3,268.69	8.66	7.07	176.57	81.70	-26.28	531.08	515.87	15.22	34.904	
3,400.00	3,364.22	3,367.71	3,367.55	8.88	7.22	176.58	81.11	-27.10	546.12	530.56	15.55	35.113	
3,500.00	3,462.99	3,466.58	3,466.40	9.10	7.38	176.59	80.51	-27.93	561.15	545.24	15.90	35.281	
3,600.00	3,561.75	3,565.44	3,565.26	9.32	7.55	176.60	79.91	-28.75	576.18	559.91	16.27	35.413	
3,700.00	3,660.52	3,664.30	3,664.12	9.56	7.72	176.61	79.31	-29.57	591.21	574.56	16.65	35.512	
3,800.00	3,759.28	3,763.17	3,762.98	9.80	7.90	176.62	78.71	-30.40	606.24	589.20	17.04	35.583	
3,900.00	3,858.05	3,862.03	3,861.84	10.05	8.09	176.63	78.11	-31.22	621.27	603.84	17.44	35.629	
4,000.00	3,956.82	3,960.90	3,960.70	10.30	8.28	176.64	77.52	-32.04	636.30	618.46	17.85	35.652	
4,100.00	4,055.58	4,059.76	4,059.56	10.56	8.47	176.64	76.92	-32.87	651.34	633.07	18.27	35.656	
4,200.00	4,154.35	4,158.62	4,158.41	10.82	8.67	176.65	76.32	-33.69	666.37	647.67	18.70	35.643	
4,300.00	4,253.11	4,257.49	4,257.27	11.08	8.88	176.66	75.72	-34.51	681.40	662.27	19.13	35.615	
4,400.00	4,351.88	4,356.35	4,356.13	11.35	9.08	176.67	75.12	-35.34	696.43	676.86	19.58	35.575	
4,500.00	4,450.65	4,455.21	4,454.99	11.63	9.29	176.67	74.52	-36.16	711.46	691.44	20.03	35.525	
4,600.00	4,549.41	4,554.08	4,553.85	11.90	9.50	176.68	73.93	-36.99	726.49	706.01	20.48	35.465	
4,700.00	4,648.18	4,652.94	4,652.71	12.18	9.72	176.68	73.33	-37.81	741.53	720.58	20.95	35.397	
4,800.00	4,746.95	4,751.81	4,751.57	12.47	9.94	176.69	72.73	-38.63	756.56	735.14	21.42	35.323	
4,900.00	4,845.71	4,850.67	4,850.42	12.75	10.16	176.70	72.13	-39.46	771.59	749.70	21.89	35.243	
5,000.00	4,944.48	4,949.53	4,949.28	13.04	10.38	176.70	71.53	-40.28	786.62	764.25	22.37	35.159	
5,100.00	5,043.24	5,048.40	5,048.14	13.33	10.61	176.71	70.93	-41.10	801.65	778.80	22.86	35.072	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	5,142.01	5,147.26	5,147.00	13.62	10.84	176.71	70.33	-41.93	816.68	793.34	23.35	34.981		
5,300.00	5,240.78	5,246.12	5,245.86	13.92	11.07	176.72	69.74	-42.75	831.72	807.88	23.84	34.888		
5,400.00	5,339.54	5,344.99	5,344.72	14.22	11.30	176.72	69.14	-43.57	846.75	822.41	24.34	34.793		
5,500.00	5,438.31	5,443.85	5,443.58	14.52	11.53	176.73	68.54	-44.40	861.78	836.94	24.84	34.697		
5,600.00	5,537.07	5,542.72	5,542.43	14.82	11.77	176.73	67.94	-45.22	876.81	851.47	25.34	34.600		
5,700.00	5,635.84	5,641.58	5,641.29	15.12	12.01	176.73	67.34	-46.04	891.84	865.99	25.85	34.503		
5,800.00	5,734.61	5,740.44	5,740.15	15.42	12.25	176.74	66.74	-46.87	906.87	880.52	26.36	34.405		
5,900.00	5,833.37	5,839.31	5,839.01	15.73	12.49	176.74	66.15	-47.69	921.91	895.03	26.87	34.307		
6,000.00	5,932.14	5,938.17	5,937.87	16.04	12.73	176.75	65.55	-48.52	936.94	909.55	27.39	34.210		
6,100.00	6,030.90	6,037.04	6,036.73	16.34	12.97	176.75	64.95	-49.34	951.97	924.06	27.91	34.113		
6,200.00	6,129.67	6,135.90	6,135.59	16.65	13.21	176.75	64.35	-50.16	967.00	938.57	28.43	34.017		
6,300.00	6,228.44	6,234.76	6,234.44	16.96	13.46	176.76	63.75	-50.99	982.03	953.08	28.95	33.922		
6,400.00	6,327.20	6,333.63	6,333.30	17.28	13.71	176.76	63.15	-51.81	997.06	967.59	29.48	33.827		
6,500.00	6,425.97	6,433.01	6,432.67	17.59	13.93	176.82	62.54	-51.65	1,012.09	982.10	29.98	33.756		
6,600.00	6,524.73	6,531.49	6,530.29	17.90	14.13	178.24	61.71	-39.40	1,027.09	996.65	30.44	33.742		
6,700.00	6,623.16	6,626.26	6,621.37	18.15	14.32	-133.13	60.69	-13.55	1,042.17	1,011.33	30.84	33.794		
6,800.00	6,719.30	6,718.59	6,705.46	18.41	14.50	-111.66	59.50	24.36	1,056.90	1,025.68	31.22	33.857		
6,900.00	6,810.79	6,808.87	6,781.54	18.65	14.68	-101.35	58.17	72.79	1,070.84	1,039.24	31.59	33.895		
7,000.00	6,895.36	6,897.42	6,848.78	18.89	14.87	-95.21	56.73	130.29	1,083.58	1,051.58	32.00	33.862		
7,100.00	6,970.94	6,984.56	6,906.54	19.11	15.12	-91.09	55.22	195.42	1,094.74	1,062.25	32.49	33.699		
7,200.00	7,035.67	7,070.55	6,954.29	19.33	15.46	-88.19	53.66	266.84	1,103.99	1,070.89	33.10	33.356		
7,300.00	7,087.95	7,155.61	6,991.64	19.55	15.90	-86.14	52.08	343.17	1,111.06	1,077.19	33.87	32.801		
7,400.00	7,126.50	7,239.96	7,018.31	19.81	16.43	-84.79	50.49	423.12	1,115.73	1,080.89	34.85	32.017		
7,500.00	7,150.36	7,323.79	7,034.12	20.16	17.06	-84.03	48.94	505.36	1,117.87	1,081.85	36.02	31.032		
7,600.00	7,158.95	7,408.10	7,039.00	20.66	17.76	-83.83	47.42	589.46	1,117.40	1,080.01	37.39	29.889		
7,700.00	7,159.22	7,508.07	7,038.94	21.32	18.69	-83.81	45.65	689.42	1,115.38	1,076.26	39.12	28.514		
7,800.00	7,159.47	7,608.05	7,038.89	22.13	19.72	-83.78	43.88	789.38	1,113.36	1,072.31	41.05	27.123		
7,900.00	7,159.72	7,708.03	7,038.83	23.06	20.83	-83.75	42.11	889.34	1,111.34	1,068.19	43.15	25.753		
8,000.00	7,159.98	7,808.01	7,038.77	24.08	22.02	-83.72	40.34	989.31	1,109.32	1,063.92	45.41	24.431		
8,100.00	7,160.23	7,907.99	7,038.72	25.19	23.26	-83.70	38.57	1,089.27	1,107.30	1,059.52	47.79	23.172		
8,200.00	7,160.48	8,007.96	7,038.66	26.36	24.55	-83.67	36.80	1,189.23	1,105.29	1,055.01	50.27	21.986		
8,300.00	7,160.74	8,113.55	7,038.60	27.58	25.97	-83.64	34.89	1,294.80	1,103.25	1,050.29	52.95	20.834		
8,400.00	7,160.99	8,229.72	7,038.54	28.85	27.57	-83.59	30.84	1,410.90	1,099.44	1,043.54	55.90	19.667		
8,500.00	7,161.24	8,329.64	7,038.48	30.16	28.99	-83.55	27.08	1,510.74	1,095.44	1,036.80	58.64	18.681		
8,600.00	7,161.50	8,429.55	7,038.43	31.50	30.43	-83.51	23.32	1,610.59	1,091.45	1,030.01	61.44	17.765		
8,700.00	7,161.75	8,529.47	7,038.37	32.88	31.89	-83.47	19.56	1,710.44	1,087.45	1,023.17	64.28	16.916		
8,800.00	7,162.00	8,629.39	7,038.32	34.28	33.37	-83.43	15.80	1,810.28	1,083.45	1,016.28	67.17	16.129		
8,900.00	7,162.25	8,729.31	7,038.26	35.71	34.87	-83.39	12.03	1,910.13	1,079.46	1,009.35	70.10	15.398		
9,000.00	7,162.51	8,829.22	7,038.21	37.15	36.39	-83.35	8.27	2,009.97	1,075.46	1,002.40	73.07	14.719		
9,100.00	7,162.76	8,929.14	7,038.15	38.62	37.92	-83.31	4.51	2,109.82	1,071.47	995.41	76.06	14.087		
9,200.00	7,163.01	9,029.06	7,038.10	40.10	39.46	-83.27	0.75	2,209.67	1,067.48	988.40	79.08	13.499		
9,300.00	7,163.27	9,128.97	7,038.04	41.59	41.01	-83.23	-3.01	2,309.51	1,063.48	981.36	82.12	12.950		
9,400.00	7,163.52	9,228.89	7,037.99	43.10	42.57	-83.18	-6.77	2,409.36	1,059.49	974.30	85.19	12.437		
9,500.00	7,163.77	9,328.81	7,037.93	44.62	44.14	-83.14	-10.53	2,509.21	1,055.50	967.23	88.27	11.958		
9,600.00	7,164.03	9,428.73	7,037.88	46.15	45.71	-83.10	-14.29	2,609.05	1,051.51	960.14	91.37	11.509		
9,700.00	7,164.28	9,528.64	7,037.82	47.69	47.30	-83.05	-18.05	2,708.90	1,047.52	953.04	94.48	11.087		
9,800.00	7,164.53	9,628.56	7,037.76	49.24	48.88	-83.01	-21.81	2,808.75	1,043.53	945.92	97.61	10.691		
9,900.00	7,164.79	9,728.48	7,037.71	50.79	50.48	-82.97	-25.57	2,908.59	1,039.54	938.79	100.74	10.319		
10,000.00	7,165.04	9,828.39	7,037.65	52.36	52.08	-82.92	-29.33	3,008.44	1,035.55	931.65	103.89	9.967		
10,100.00	7,165.29	9,928.31	7,037.60	53.93	53.68	-82.88	-33.09	3,108.29	1,031.56	924.51	107.05	9.636		
10,200.00	7,165.54	10,028.23	7,037.54	55.50	55.29	-82.83	-36.85	3,208.13	1,027.57	917.35	110.22	9.323		
10,300.00	7,165.80	10,128.15	7,037.49	57.08	56.90	-82.79	-40.61	3,307.98	1,023.59	910.19	113.40	9.026		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	7,166.05	10,228.06	7,037.43	58.67	58.52	-82.74	-44.37	3,407.82	1,019.60	903.02	116.58	8.746		
10,500.00	7,166.30	10,327.98	7,037.38	60.26	60.14	-82.70	-48.13	3,507.67	1,015.61	895.84	119.77	8.479		
10,600.00	7,166.56	10,427.90	7,037.32	61.85	61.76	-82.65	-51.89	3,607.52	1,011.63	888.66	122.97	8.227		
10,700.00	7,166.81	10,527.81	7,037.27	63.45	63.38	-82.60	-55.65	3,707.36	1,007.64	881.47	126.17	7.986		
10,800.00	7,167.06	10,627.73	7,037.21	65.06	65.01	-82.55	-59.41	3,807.21	1,003.66	874.28	129.38	7.757		
10,900.00	7,167.32	10,727.65	7,037.16	66.66	66.64	-82.51	-63.17	3,907.06	999.68	867.08	132.59	7.539		
11,000.00	7,167.57	10,827.57	7,037.10	68.27	68.27	-82.46	-66.93	4,006.90	995.70	859.89	135.81	7.332		
11,100.00	7,167.82	10,927.48	7,037.05	69.88	69.90	-82.41	-70.69	4,106.75	991.71	852.68	139.03	7.133		
11,200.00	7,168.08	11,027.40	7,036.99	71.50	71.54	-82.36	-74.45	4,206.60	987.73	845.48	142.26	6.943		
11,300.00	7,168.33	11,127.32	7,036.94	73.11	73.17	-82.31	-78.21	4,306.44	983.75	838.27	145.48	6.762		
11,400.00	7,168.58	11,227.24	7,036.88	74.73	74.81	-82.26	-81.97	4,406.29	979.77	831.06	148.71	6.588		
11,500.00	7,168.84	11,327.15	7,036.83	76.35	76.45	-82.21	-85.73	4,506.13	975.80	823.85	151.95	6.422		
11,600.00	7,169.09	11,427.07	7,036.77	77.98	78.09	-82.16	-89.49	4,605.98	971.82	816.63	155.18	6.262		
11,700.00	7,169.34	11,526.99	7,036.72	79.60	79.74	-82.11	-93.25	4,705.83	967.84	809.42	158.42	6.109		
11,800.00	7,169.59	11,626.90	7,036.66	81.23	81.38	-82.06	-97.01	4,805.67	963.86	802.20	161.66	5.962		
11,898.88	7,169.85	11,719.68	7,036.61	82.84	82.91	-82.04	-100.44	4,898.39	961.66	796.91	164.75	5.837		
11,900.00	7,169.85	11,720.52	7,036.61	82.86	82.92	-82.04	-100.47	4,899.23	961.62	796.84	164.79	5.836		
12,000.00	7,170.10	11,800.00	7,036.57	84.50	84.23	-82.04	-101.83	4,978.69	963.97	796.37	167.59	5.752		
12,100.00	7,170.36	11,881.74	7,036.52	86.14	85.57	-82.06	-101.28	5,060.43	968.80	798.40	170.39	5.686		
12,200.00	7,170.61	11,981.60	7,036.46	87.78	87.21	-82.08	-100.33	5,160.28	974.03	800.37	173.67	5.609		
12,300.00	7,170.87	12,081.46	7,036.41	89.43	88.85	-82.10	-99.38	5,260.14	979.27	802.33	176.94	5.534		
12,400.00	7,171.12	12,181.32	7,036.35	91.07	90.50	-82.13	-98.43	5,360.00	984.50	804.28	180.22	5.463		
12,500.00	7,171.38	12,281.19	7,036.30	92.72	92.14	-82.15	-97.48	5,459.86	989.73	806.24	183.50	5.394		
12,600.00	7,171.63	12,381.05	7,036.24	94.36	93.79	-82.18	-96.53	5,559.71	994.97	808.19	186.78	5.327		
12,700.00	7,171.89	12,480.91	7,036.19	96.01	95.43	-82.20	-95.58	5,659.57	1,000.20	810.14	190.06	5.263		
12,800.00	7,172.14	12,580.77	7,036.13	97.66	97.08	-82.22	-94.63	5,759.43	1,005.44	812.09	193.34	5.200		
12,900.00	7,172.40	12,680.63	7,036.08	99.31	98.73	-82.25	-93.68	5,859.29	1,010.67	814.04	196.63	5.140		
13,000.00	7,172.65	12,780.50	7,036.02	100.96	100.37	-82.27	-92.73	5,959.14	1,015.91	815.99	199.92	5.082		
13,100.00	7,172.91	12,880.36	7,035.97	102.61	102.02	-82.29	-91.78	6,059.00	1,021.14	817.93	203.21	5.025		
13,200.00	7,173.16	12,980.22	7,035.91	104.26	103.67	-82.31	-90.83	6,158.86	1,026.38	819.88	206.50	4.970		
13,300.00	7,173.42	13,080.15	7,035.86	105.91	105.32	-82.33	-89.88	6,258.72	1,030.00	820.22	209.79	4.910		
13,400.00	7,173.67	13,180.14	7,035.80	107.55	106.98	-82.31	-88.93	6,358.77	1,030.17	817.11	213.06	4.835		
13,500.00	7,173.92	13,280.09	7,035.74	109.19	108.63	-82.26	-87.98	6,458.72	1,027.18	810.86	216.32	4.748		
13,600.00	7,174.18	13,380.03	7,035.69	110.82	110.28	-82.21	-87.02	6,558.65	1,023.61	804.03	219.59	4.662		
13,700.00	7,174.43	13,479.96	7,035.63	112.46	111.93	-82.17	-86.07	6,658.58	1,020.04	797.20	222.85	4.577		
13,800.00	7,174.68	13,579.89	7,035.58	114.09	113.59	-82.12	-85.12	6,758.51	1,016.47	790.36	226.11	4.495		
13,900.00	7,174.94	13,679.83	7,035.52	115.73	115.24	-82.08	-84.17	6,858.43	1,012.91	783.53	229.37	4.416		
14,000.00	7,175.19	13,779.76	7,035.47	117.37	116.90	-82.03	-83.22	6,958.36	1,009.34	776.70	232.64	4.339		
14,100.00	7,175.44	13,879.69	7,035.41	119.01	118.55	-81.99	-82.27	7,058.29	1,005.77	769.87	235.90	4.264		
14,200.00	7,175.70	13,979.63	7,035.36	120.65	120.21	-81.94	-81.32	7,158.22	1,002.20	763.04	239.16	4.190		
14,300.00	7,175.95	14,079.56	7,035.30	122.29	121.86	-81.89	-80.37	7,258.15	998.64	756.21	242.42	4.119		
14,400.00	7,176.20	14,179.49	7,035.25	123.93	123.52	-81.85	-79.42	7,358.08	995.07	749.38	245.69	4.050		
14,500.00	7,176.46	14,279.42	7,035.19	125.57	125.18	-81.80	-78.47	7,458.00	991.51	742.56	248.95	3.983		
14,600.00	7,176.71	14,379.36	7,035.13	127.21	126.83	-81.75	-77.52	7,557.93	987.94	735.73	252.21	3.917		
14,700.00	7,176.96	14,479.33	7,035.08	128.86	128.49	-81.73	-76.56	7,657.90	985.95	730.46	255.49	3.859		
14,713.58	7,177.00	14,507.09	7,035.07	129.08	128.95	-81.72	-76.44	7,671.48	985.93	729.76	256.16	3.849		
14,800.00	7,177.21	14,579.32	7,035.02	130.51	130.15	-81.72	-75.61	7,757.89	987.10	728.33	258.77	3.815		
14,900.00	7,177.47	14,679.31	7,034.97	132.17	131.81	-81.72	-74.66	7,857.87	988.84	726.77	262.07	3.773		
15,000.00	7,177.72	14,779.29	7,034.91	133.82	133.47	-81.71	-73.71	7,957.85	990.57	725.21	265.36	3.733		
15,100.00	7,177.97	14,879.28	7,034.86	135.48	135.13	-81.71	-72.76	8,057.83	992.31	723.65	268.66	3.694		
15,200.00	7,178.23	14,979.26	7,034.80	137.14	136.78	-81.71	-71.81	8,157.81	994.05	722.09	271.96	3.655		
15,300.00	7,178.48	15,079.25	7,034.75	138.80	138.44	-81.70	-70.86	8,257.79	995.79	720.53	275.25	3.618		

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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)	Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,400.00	7,178.73	15,179.23	7,034.69	140.46	140.10	-81.70	-69.91	8,357.77	997.52	718.97	278.55	3.581		
15,500.00	7,178.99	15,279.22	7,034.63	142.12	141.76	-81.70	-68.95	8,457.75	999.26	717.41	281.85	3.545		
15,600.00	7,179.24	15,379.20	7,034.58	143.78	143.43	-81.69	-68.00	8,557.73	1,001.00	715.85	285.15	3.510		
15,700.00	7,179.49	15,479.19	7,034.52	145.43	145.09	-81.69	-67.05	8,657.71	1,002.74	714.29	288.45	3.476		
15,800.00	7,179.75	15,579.17	7,034.47	147.09	146.75	-81.69	-66.10	8,757.69	1,004.48	712.73	291.75	3.443		
15,900.00	7,180.00	15,679.16	7,034.41	148.75	148.41	-81.68	-65.15	8,857.67	1,006.21	711.17	295.04	3.410		
16,000.00	7,180.25	15,779.14	7,034.36	150.42	150.07	-81.68	-64.20	8,957.65	1,007.95	709.61	298.35	3.378		
16,100.00	7,180.51	15,879.13	7,034.30	152.08	151.73	-81.68	-63.25	9,057.63	1,009.69	708.04	301.65	3.347		
16,200.00	7,180.76	15,979.11	7,034.25	153.74	153.39	-81.67	-62.30	9,157.61	1,011.43	706.48	304.95	3.317		
16,300.00	7,181.01	16,079.10	7,034.19	155.40	155.05	-81.67	-61.34	9,257.59	1,013.16	704.92	308.25	3.287		
16,400.00	7,181.27	16,179.08	7,034.14	157.06	156.72	-81.67	-60.39	9,357.57	1,014.90	703.35	311.55	3.258		
16,500.00	7,181.52	16,279.06	7,034.08	158.72	158.38	-81.66	-59.44	9,457.55	1,016.64	701.79	314.85	3.229		
16,600.00	7,181.77	16,379.05	7,034.02	160.38	160.04	-81.66	-58.49	9,557.53	1,018.38	700.22	318.15	3.201		
16,700.00	7,182.03	16,479.03	7,033.97	162.05	161.70	-81.66	-57.54	9,657.52	1,020.11	698.66	321.46	3.173		
16,800.00	7,182.28	16,579.02	7,033.91	163.71	163.37	-81.65	-56.59	9,757.50	1,021.85	697.09	324.76	3.146		
16,900.00	7,182.53	16,679.00	7,033.86	165.37	165.03	-81.65	-55.64	9,857.48	1,023.59	695.53	328.06	3.120		
17,000.00	7,182.79	16,778.99	7,033.80	167.03	166.69	-81.65	-54.68	9,957.46	1,025.33	693.96	331.37	3.094		
17,100.00	7,183.04	16,878.97	7,033.75	168.70	168.36	-81.64	-53.73	10,057.44	1,027.07	692.39	334.67	3.069		
17,200.00	7,183.29	16,978.96	7,033.69	170.36	170.02	-81.64	-52.78	10,157.42	1,028.80	690.83	337.98	3.044		
17,300.00	7,183.55	17,078.94	7,033.64	172.02	171.68	-81.64	-51.83	10,257.40	1,030.54	689.26	341.28	3.020		
17,400.00	7,183.80	17,178.93	7,033.58	173.69	173.35	-81.63	-50.88	10,357.38	1,032.28	687.69	344.58	2.996		
17,500.00	7,184.05	17,278.91	7,033.53	175.35	175.01	-81.63	-49.93	10,457.36	1,034.02	686.13	347.89	2.972		
17,600.00	7,184.31	17,378.90	7,033.47	177.01	176.67	-81.63	-48.98	10,557.34	1,035.75	684.56	351.20	2.949		
17,700.00	7,184.56	17,478.88	7,033.41	178.68	178.34	-81.62	-48.03	10,657.32	1,037.49	682.99	354.50	2.927		
17,800.00	7,184.81	17,578.87	7,033.36	180.34	180.00	-81.62	-47.07	10,757.30	1,039.23	681.42	357.81	2.904		
17,900.00	7,185.07	17,678.85	7,033.30	182.01	181.67	-81.62	-46.12	10,857.28	1,040.97	679.85	361.11	2.883		
18,000.00	7,185.32	17,778.84	7,033.25	183.67	183.33	-81.62	-45.17	10,957.26	1,042.70	678.29	364.42	2.861		
18,100.00	7,185.57	17,878.82	7,033.19	185.33	185.00	-81.61	-44.22	11,057.24	1,044.44	676.72	367.72	2.840		
18,200.00	7,185.83	17,978.81	7,033.14	187.00	186.66	-81.61	-43.27	11,157.22	1,046.18	675.15	371.03	2.820		
18,300.00	7,186.08	18,078.79	7,033.08	188.66	188.32	-81.61	-42.32	11,257.20	1,047.92	673.58	374.34	2.799		
18,400.00	7,186.33	18,178.78	7,033.03	190.33	189.99	-81.60	-41.37	11,357.18	1,049.66	672.01	377.64	2.779		
18,500.00	7,186.59	18,278.76	7,032.97	191.99	191.65	-81.60	-40.41	11,457.16	1,051.39	670.44	380.95	2.760		
18,600.00	7,186.84	18,378.75	7,032.91	193.66	193.32	-81.60	-39.46	11,557.14	1,053.13	668.87	384.26	2.741		
18,700.00	7,187.09	18,478.73	7,032.86	195.33	194.98	-81.59	-38.51	11,657.12	1,054.87	667.30	387.57	2.722		
18,800.00	7,187.35	18,578.72	7,032.80	196.99	196.65	-81.59	-37.56	11,757.10	1,056.61	665.73	390.87	2.703		
18,900.00	7,187.60	18,678.70	7,032.75	198.66	198.31	-81.59	-36.61	11,857.08	1,058.34	664.16	394.18	2.685		
19,000.00	7,187.85	18,778.69	7,032.69	200.32	199.98	-81.58	-35.66	11,957.06	1,060.08	662.59	397.49	2.667		
19,100.00	7,188.11	18,878.67	7,032.64	201.99	201.65	-81.58	-34.71	12,057.04	1,061.82	661.02	400.80	2.649		
19,200.00	7,188.36	18,978.66	7,032.58	203.65	203.31	-81.58	-33.76	12,157.02	1,063.56	659.45	404.11	2.632		
19,300.00	7,188.61	19,078.64	7,032.53	205.32	204.98	-81.58	-32.80	12,257.00	1,065.30	657.88	407.41	2.615		
19,400.00	7,188.87	19,178.63	7,032.47	206.99	206.64	-81.57	-31.85	12,356.98	1,067.03	656.31	410.72	2.598		
19,500.00	7,189.12	19,278.61	7,032.42	208.65	208.31	-81.57	-30.90	12,456.96	1,068.77	654.74	414.03	2.581		
19,600.00	7,189.37	19,378.60	7,032.36	210.32	209.97	-81.57	-29.95	12,556.95	1,070.51	653.17	417.34	2.565		
19,700.00	7,189.63	19,478.58	7,032.30	211.99	211.64	-81.56	-29.00	12,656.93	1,072.25	651.60	420.65	2.549		
19,800.00	7,189.88	19,578.57	7,032.25	213.65	213.31	-81.56	-28.05	12,756.91	1,073.98	650.03	423.96	2.533		
19,900.00	7,190.13	19,678.55	7,032.19	215.32	214.97	-81.56	-27.10	12,856.89	1,075.72	648.45	427.27	2.518		
20,000.00	7,190.39	19,778.54	7,032.14	216.99	216.64	-81.56	-26.14	12,956.87	1,077.46	646.88	430.58	2.502		
20,100.00	7,190.64	19,878.52	7,032.08	218.65	218.30	-81.55	-25.19	13,056.85	1,079.20	645.31	433.89	2.487		
20,200.00	7,190.89	19,978.51	7,032.03	220.32	219.97	-81.55	-24.24	13,156.83	1,080.94	643.74	437.20	2.472		
20,242.80	7,191.00	20,021.29	7,032.00	221.04	220.68	-81.55	-23.84	13,199.61	1,081.68	643.08	438.60	2.466 SF		

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	-0.46	139.89	-1.11	139.90				
100.00	100.00	100.00	100.00	3.28	3.28	-0.46	139.89	-1.11	139.90	132.37	7.53	18.582	
200.00	200.00	200.00	200.00	3.31	3.31	-0.46	139.89	-1.11	139.90	132.32	7.57	18.471	CC, ES, SF
300.00	299.98	303.56	296.42	3.34	3.35	175.74	141.35	-1.62	143.15	135.49	7.66	18.686	
400.00	399.84	403.86	396.09	3.40	3.42	175.56	143.82	-2.47	150.84	143.05	7.79	19.364	
500.00	499.45	504.49	495.42	3.49	3.51	175.49	146.28	-3.31	162.01	154.04	7.96	20.340	
600.00	598.70	605.57	594.31	3.60	3.62	175.52	148.73	-4.16	176.62	168.44	8.18	21.582	
700.00	697.53	707.14	692.71	3.75	3.74	175.61	151.16	-5.00	194.25	185.81	8.44	23.003	
800.00	796.30	808.79	791.03	3.93	3.89	175.72	153.60	-5.83	212.32	203.59	8.73	24.323	
900.00	895.07	889.57	889.35	4.14	4.01	175.80	156.03	-6.67	230.38	221.37	9.01	25.564	
1,000.00	993.83	987.92	987.67	4.37	4.17	175.87	158.47	-7.51	248.45	239.10	9.35	26.574	
1,100.00	1,092.60	1,086.28	1,085.99	4.61	4.35	175.94	160.90	-8.35	266.52	256.81	9.71	27.444	
1,200.00	1,191.37	1,184.63	1,184.31	4.88	4.53	175.99	163.34	-9.19	284.58	274.49	10.10	28.189	
1,300.00	1,290.13	1,282.98	1,282.63	5.15	4.72	176.04	165.77	-10.02	302.65	292.15	10.50	28.827	
1,400.00	1,388.90	1,381.34	1,380.95	5.44	4.92	176.08	168.20	-10.86	320.72	309.80	10.92	29.372	
1,500.00	1,487.66	1,479.69	1,479.27	5.74	5.13	176.12	170.64	-11.70	338.79	327.43	11.35	29.837	
1,600.00	1,586.43	1,578.05	1,577.59	6.04	5.34	176.16	173.07	-12.54	356.86	345.05	11.80	30.235	
1,700.00	1,685.20	1,676.40	1,675.91	6.36	5.56	176.19	175.51	-13.38	374.93	362.66	12.26	30.574	
1,800.00	1,783.96	1,774.75	1,774.23	6.68	5.78	176.22	177.94	-14.22	392.99	380.26	12.73	30.865	
1,900.00	1,882.73	1,873.11	1,872.55	6.85	5.92	176.24	180.38	-15.05	411.06	398.43	12.63	32.544	
2,000.00	1,981.49	1,971.46	1,970.87	6.89	5.96	176.26	182.81	-15.89	429.13	416.44	12.69	33.820	
2,100.00	2,080.26	2,069.81	2,069.19	6.94	5.98	176.29	185.24	-16.73	447.20	434.46	12.74	35.095	
2,200.00	2,179.03	2,168.17	2,167.51	7.01	6.02	176.31	187.68	-17.57	465.27	452.45	12.82	36.284	
2,300.00	2,277.79	2,266.52	2,265.83	7.09	6.06	176.32	190.11	-18.41	483.34	470.41	12.93	37.382	
2,400.00	2,376.56	2,364.88	2,364.15	7.19	6.12	176.34	192.55	-19.24	501.41	488.34	13.06	38.386	
2,500.00	2,475.32	2,463.23	2,462.47	7.31	6.19	176.36	194.98	-20.08	519.48	506.26	13.22	39.296	
2,600.00	2,574.09	2,561.58	2,560.79	7.44	6.27	176.37	197.42	-20.92	537.54	524.14	13.40	40.113	
2,700.00	2,672.86	2,659.94	2,659.11	7.58	6.36	176.39	199.85	-21.76	555.61	542.01	13.60	40.839	
2,800.00	2,771.62	2,758.29	2,757.43	7.73	6.46	176.40	202.29	-22.60	573.68	559.85	13.83	41.478	
2,900.00	2,870.39	2,856.65	2,855.75	7.90	6.57	176.41	204.72	-23.44	591.75	577.67	14.08	42.034	
3,000.00	2,969.16	2,955.00	2,954.07	8.07	6.69	176.42	207.15	-24.27	609.82	595.48	14.34	42.512	
3,100.00	3,067.92	3,053.35	3,052.39	8.26	6.82	176.43	209.59	-25.11	627.89	613.26	14.63	42.919	
3,200.00	3,166.69	3,151.71	3,150.71	8.46	6.95	176.44	212.02	-25.95	645.96	631.03	14.93	43.259	
3,300.00	3,265.45	3,250.06	3,249.03	8.66	7.10	176.45	214.46	-26.79	664.03	648.78	15.25	43.539	
3,400.00	3,364.22	3,348.42	3,347.35	8.88	7.25	176.46	216.89	-27.63	682.10	666.51	15.59	43.765	
3,500.00	3,462.99	3,446.77	3,445.67	9.10	7.41	176.47	219.33	-28.47	700.17	684.23	15.93	43.941	
3,600.00	3,561.75	3,545.12	3,543.99	9.32	7.57	176.48	221.76	-29.30	718.23	701.94	16.30	44.074	
3,700.00	3,660.52	3,643.48	3,642.31	9.56	7.74	176.49	224.19	-30.14	736.30	719.63	16.67	44.168	
3,800.00	3,759.28	3,741.83	3,740.63	9.80	7.92	176.50	226.63	-30.98	754.37	737.32	17.06	44.227	
3,900.00	3,858.05	3,840.19	3,838.96	10.05	8.10	176.50	229.06	-31.82	772.44	754.99	17.45	44.256	
4,000.00	3,956.82	3,938.54	3,937.28	10.30	8.29	176.51	231.50	-32.66	790.51	772.65	17.86	44.259	
4,100.00	4,055.58	4,036.89	4,035.60	10.56	8.48	176.52	233.93	-33.49	808.58	790.30	18.28	44.239	
4,200.00	4,154.35	4,135.25	4,133.92	10.82	8.68	176.52	236.37	-34.33	826.65	807.95	18.70	44.199	
4,300.00	4,253.11	4,233.60	4,232.24	11.08	8.88	176.53	238.80	-35.17	844.72	825.58	19.14	44.142	
4,400.00	4,351.88	4,331.96	4,330.56	11.35	9.08	176.53	241.23	-36.01	862.79	843.21	19.58	44.071	
4,500.00	4,450.65	4,430.31	4,428.88	11.63	9.29	176.54	243.67	-36.85	880.86	860.83	20.03	43.987	
4,600.00	4,549.41	4,528.66	4,527.20	11.90	9.50	176.55	246.10	-37.69	898.93	878.45	20.48	43.892	
4,700.00	4,648.18	4,627.02	4,625.52	12.18	9.71	176.55	248.54	-38.52	917.00	896.06	20.94	43.788	
4,800.00	4,746.95	4,725.37	4,723.84	12.47	9.93	176.56	250.97	-39.36	935.07	913.66	21.41	43.677	
4,900.00	4,845.71	4,823.72	4,822.16	12.75	10.14	176.56	253.41	-40.20	953.14	931.25	21.88	43.561	
5,000.00	4,944.48	4,922.08	4,920.48	13.04	10.37	176.56	255.84	-41.04	971.20	948.85	22.36	43.439	
5,100.00	5,043.24	5,020.43	5,018.80	13.33	10.59	176.57	258.27	-41.88	989.27	966.43	22.84	43.313	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												Offset Site Error:	0.00 usft
5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27B-XR - Wellbore #1 - Design #1												Offset Well Error:	3.28 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA													
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	5,142.01	5,118.79	5,117.12	13.62	10.81	176.57	260.71	-42.71	1,007.34	984.02	23.33	43.184	
5,300.00	5,240.78	5,217.14	5,215.44	13.92	11.04	176.58	263.14	-43.55	1,025.41	1,001.59	23.82	43.053	
5,400.00	5,339.54	5,315.49	5,313.76	14.22	11.27	176.58	265.58	-44.39	1,043.48	1,019.17	24.31	42.920	
5,500.00	5,438.31	5,413.85	5,412.08	14.52	11.50	176.58	268.01	-45.23	1,061.55	1,036.74	24.81	42.786	
5,600.00	5,537.07	5,512.20	5,510.40	14.82	11.74	176.59	270.45	-46.07	1,079.62	1,054.31	25.31	42.652	
5,700.00	5,635.84	5,610.56	5,608.72	15.12	11.97	176.59	272.88	-46.91	1,097.69	1,071.87	25.82	42.517	
5,800.00	5,734.61	5,708.91	5,707.04	15.42	12.21	176.60	275.32	-47.74	1,115.76	1,089.43	26.33	42.383	
5,900.00	5,833.37	5,807.26	5,805.36	15.73	12.45	176.60	277.75	-48.58	1,133.83	1,106.99	26.84	42.249	
6,000.00	5,932.14	5,905.62	5,903.68	16.04	12.69	176.60	280.18	-49.42	1,151.90	1,124.55	27.35	42.116	
6,100.00	6,030.90	6,003.97	6,002.00	16.34	12.93	176.60	282.62	-50.26	1,169.97	1,142.10	27.87	41.984	
6,200.00	6,129.67	6,102.33	6,100.32	16.65	13.17	176.61	285.05	-51.10	1,188.04	1,159.65	28.39	41.853	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	80.14	-0.56	80.15					
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	80.14	-0.56	80.15	72.62	7.53	10.645		
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	80.14	-0.56	80.15	72.57	7.57	10.582		
300.00	299.98	302.81	302.79	3.34	3.35	175.76	78.34	-0.94	80.14	72.48	7.65	10.474		
315.78	315.75	319.03	319.00	3.35	3.35	175.69	77.73	-1.07	80.13	72.47	7.67	10.453	CC, ES	
400.00	399.84	402.92	402.83	3.40	3.40	175.45	74.67	-1.72	81.70	73.94	7.76	10.523		
500.00	499.45	502.79	502.62	3.49	3.48	175.35	71.01	-2.50	86.74	78.82	7.92	10.947		
600.00	598.70	602.42	602.18	3.60	3.58	175.42	67.35	-3.28	95.25	87.12	8.13	11.720		
700.00	697.53	701.75	701.44	3.75	3.70	175.62	63.71	-4.05	106.80	98.42	8.37	12.755		
800.00	796.30	801.02	800.65	3.93	3.83	175.80	60.06	-4.83	118.79	110.14	8.65	13.737		
900.00	895.07	900.30	899.86	4.14	3.98	175.95	56.42	-5.60	130.78	121.83	8.95	14.605		
1,000.00	993.83	1,000.42	999.07	4.37	4.15	176.07	52.78	-6.37	142.77	133.48	9.29	15.364		
1,100.00	1,092.60	1,101.14	1,098.28	4.61	4.33	176.17	49.13	-7.15	154.77	145.11	9.66	16.026		
1,200.00	1,191.37	1,201.86	1,197.48	4.88	4.52	176.26	45.49	-7.92	166.76	156.71	10.05	16.600		
1,300.00	1,290.13	1,302.59	1,296.69	5.15	4.72	176.33	41.85	-8.70	178.75	168.30	10.45	17.099		
1,400.00	1,388.90	1,403.31	1,395.90	5.44	4.93	176.40	38.20	-9.47	190.75	179.87	10.88	17.532		
1,500.00	1,487.66	1,504.03	1,495.11	5.74	5.14	176.46	34.56	-10.25	202.74	191.42	11.32	17.908		
1,600.00	1,586.43	1,604.75	1,594.32	6.04	5.37	176.51	30.92	-11.02	214.74	202.96	11.78	18.235		
1,700.00	1,685.20	1,705.48	1,693.52	6.36	5.59	176.56	27.27	-11.80	226.73	214.49	12.24	18.519		
1,800.00	1,783.96	1,806.20	1,792.73	6.68	5.82	176.60	23.63	-12.57	238.73	226.18	12.54	19.034		
1,900.00	1,882.73	1,906.92	1,891.94	6.85	5.93	176.64	19.99	-13.34	250.72	238.14	12.58	19.934		
2,000.00	1,981.49	2,007.64	1,991.15	6.89	5.95	176.67	16.34	-14.12	262.72	250.11	12.61	20.837		
2,100.00	2,080.26	2,108.36	2,090.36	6.94	5.98	176.71	12.70	-14.89	274.71	262.04	12.67	21.688		
2,200.00	2,179.03	2,209.09	2,189.56	7.01	6.02	176.73	9.06	-15.67	286.71	273.95	12.75	22.481		
2,300.00	2,277.79	2,309.81	2,288.77	7.09	6.08	176.76	5.42	-16.44	298.70	285.83	12.87	23.215		
2,400.00	2,376.56	2,389.47	2,387.98	7.19	6.13	176.79	1.77	-17.22	310.70	297.70	12.99	23.913		
2,500.00	2,475.32	2,488.75	2,487.19	7.31	6.21	176.81	-1.87	-17.99	322.69	309.54	13.15	24.530		
2,600.00	2,574.09	2,588.03	2,586.40	7.44	6.29	176.83	-5.51	-18.76	334.69	321.35	13.34	25.086		
2,700.00	2,672.86	2,687.30	2,685.60	7.58	6.39	176.85	-9.16	-19.54	346.68	333.13	13.55	25.582		
2,800.00	2,771.62	2,786.58	2,784.81	7.73	6.50	176.87	-12.80	-20.31	358.68	344.89	13.78	26.021		
2,900.00	2,870.39	2,885.86	2,884.02	7.90	6.62	176.88	-16.44	-21.09	370.67	356.64	14.04	26.406		
3,000.00	2,969.16	2,985.14	2,983.23	8.07	6.75	176.90	-20.09	-21.86	382.67	368.36	14.31	26.740		
3,100.00	3,067.92	3,084.42	3,082.44	8.26	6.89	176.92	-23.73	-22.64	394.67	380.06	14.60	27.026		
3,200.00	3,166.69	3,183.69	3,181.64	8.46	7.04	176.93	-27.37	-23.41	406.66	391.75	14.91	27.269		
3,300.00	3,265.45	3,282.97	3,280.85	8.66	7.19	176.94	-31.02	-24.19	418.66	403.42	15.24	27.472		
3,400.00	3,364.22	3,382.25	3,380.06	8.88	7.35	176.96	-34.66	-24.96	430.65	415.07	15.58	27.640		
3,500.00	3,462.99	3,481.53	3,479.27	9.10	7.52	176.97	-38.30	-25.73	442.65	426.71	15.94	27.775		
3,600.00	3,561.75	3,580.80	3,578.47	9.32	7.70	176.98	-41.94	-26.51	454.64	438.34	16.31	27.881		
3,700.00	3,660.52	3,680.08	3,677.68	9.56	7.88	176.99	-45.59	-27.28	466.64	449.95	16.69	27.962		
3,800.00	3,759.28	3,779.36	3,776.89	9.80	8.06	177.00	-49.23	-28.06	478.64	461.55	17.08	28.020		
3,900.00	3,858.05	3,878.64	3,876.10	10.05	8.26	177.01	-52.87	-28.83	490.63	473.14	17.49	28.058		
4,000.00	3,956.82	3,977.92	3,975.31	10.30	8.45	177.02	-56.52	-29.61	502.63	484.73	17.90	28.078		
4,100.00	4,055.58	4,077.19	4,074.51	10.56	8.65	177.03	-60.16	-30.38	514.62	496.30	18.32	28.083		
4,200.00	4,154.35	4,176.47	4,173.72	10.82	8.86	177.04	-63.80	-31.15	526.62	507.86	18.76	28.075		
4,300.00	4,253.11	4,275.75	4,272.93	11.08	9.07	177.04	-67.45	-31.93	538.61	519.42	19.20	28.055		
4,400.00	4,351.88	4,375.03	4,372.14	11.35	9.28	177.05	-71.09	-32.70	550.61	530.96	19.65	28.026		
4,500.00	4,450.65	4,474.31	4,471.35	11.63	9.50	177.06	-74.73	-33.48	562.61	542.50	20.10	27.988		
4,600.00	4,549.41	4,573.58	4,570.55	11.90	9.72	177.07	-78.38	-34.25	574.60	554.04	20.56	27.943		
4,700.00	4,648.18	4,672.86	4,669.76	12.18	9.94	177.07	-82.02	-35.03	586.60	565.57	21.03	27.891		
4,800.00	4,746.95	4,772.14	4,768.97	12.47	10.17	177.08	-85.66	-35.80	598.59	577.09	21.51	27.835		
4,900.00	4,845.71	4,871.42	4,868.18	12.75	10.40	177.09	-89.31	-36.57	610.59	588.60	21.98	27.774		
5,000.00	4,944.48	4,970.69	4,967.39	13.04	10.63	177.09	-92.95	-37.35	622.59	600.12	22.47	27.710		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
5,100.00	5,043.24	5,069.97	5,066.59	13.33	10.86	177.10	-96.59	-38.12	634.58	611.62	22.96	27.642		
5,200.00	5,142.01	5,169.25	5,165.80	13.62	11.10	177.10	-100.23	-38.90	646.58	623.13	23.45	27.573		
5,300.00	5,240.78	5,268.53	5,265.01	13.92	11.33	177.11	-103.88	-39.67	658.57	634.63	23.95	27.501		
5,400.00	5,339.54	5,367.81	5,364.22	14.22	11.57	177.11	-107.52	-40.45	670.57	646.12	24.45	27.429		
5,500.00	5,438.31	5,467.08	5,463.43	14.52	11.81	177.12	-111.16	-41.22	682.56	657.61	24.95	27.355		
5,600.00	5,537.07	5,566.36	5,562.63	14.82	12.06	177.12	-114.81	-42.00	694.56	669.10	25.46	27.280		
5,700.00	5,635.84	5,665.64	5,661.84	15.12	12.30	177.13	-118.45	-42.77	706.56	680.58	25.97	27.205		
5,800.00	5,734.61	5,764.92	5,761.05	15.42	12.55	177.13	-122.09	-43.54	718.55	692.07	26.49	27.130		
5,900.00	5,833.37	5,864.20	5,860.26	15.73	12.79	177.14	-125.74	-44.32	730.55	703.55	27.00	27.055		
6,000.00	5,932.14	5,963.47	5,959.47	16.04	13.04	177.14	-129.38	-45.09	742.54	715.02	27.52	26.980		
6,100.00	6,030.90	6,062.75	6,058.67	16.34	13.29	177.15	-133.02	-45.87	754.54	726.50	28.04	26.906		
6,200.00	6,129.67	6,162.03	6,157.88	16.65	13.54	177.15	-136.67	-46.64	766.54	737.97	28.57	26.831		
6,300.00	6,228.44	6,261.31	6,257.09	16.96	13.79	177.15	-140.31	-47.42	778.53	749.44	29.10	26.758		
6,400.00	6,327.20	6,360.58	6,356.30	17.28	14.05	177.16	-143.95	-48.19	790.53	760.90	29.62	26.685		
6,500.00	6,425.97	6,459.86	6,455.51	17.59	14.30	177.16	-147.59	-48.96	802.52	772.37	30.16	26.613		
6,600.00	6,524.73	6,559.14	6,554.71	17.90	14.56	177.84	-151.24	-49.74	814.52	783.83	30.69	26.542		
6,700.00	6,623.16	6,658.02	6,653.52	18.15	14.81	-135.44	-154.87	-50.51	826.37	795.19	31.18	26.500		
6,800.00	6,719.30	6,755.62	6,751.05	18.41	15.05	-116.72	-158.45	-50.56	838.16	806.50	31.66	26.475		
6,900.00	6,810.79	6,857.46	6,851.99	18.65	15.27	-109.23	-162.24	-38.44	850.04	817.95	32.09	26.489		
7,000.00	6,895.36	6,964.24	6,954.32	18.89	15.50	-105.71	-166.21	-8.63	861.68	829.16	32.52	26.501		
7,100.00	6,970.94	7,076.50	7,054.93	19.11	15.74	-103.96	-170.23	40.67	872.66	839.70	32.97	26.472		
7,200.00	7,035.67	7,194.57	7,149.68	19.33	15.97	-103.12	-174.18	110.71	882.53	849.03	33.51	26.338		
7,300.00	7,087.95	7,318.45	7,233.42	19.55	16.21	-102.79	-177.86	201.67	890.80	856.55	34.24	26.013		
7,400.00	7,126.50	7,447.67	7,300.30	19.81	16.61	-102.75	-181.06	311.92	896.96	861.67	35.29	25.417		
7,500.00	7,150.36	7,581.11	7,344.60	20.16	17.38	-102.85	-183.52	437.51	900.61	863.87	36.74	24.514		
7,600.00	7,158.95	7,717.09	7,361.87	20.66	18.40	-103.01	-185.05	572.13	901.44	862.86	38.58	23.368		
7,700.00	7,159.22	7,820.74	7,361.95	21.32	19.30	-103.01	-185.74	675.77	900.46	860.12	40.34	22.323		
7,800.00	7,159.47	7,920.73	7,361.90	22.13	20.28	-103.01	-186.40	775.76	899.45	857.21	42.24	21.293		
7,900.00	7,159.72	8,020.73	7,361.84	23.06	21.34	-103.00	-187.06	875.76	898.45	854.14	44.31	20.277		
8,000.00	7,159.98	8,120.72	7,361.79	24.08	22.47	-102.99	-187.72	975.75	897.45	850.93	46.52	19.292		
8,100.00	7,160.23	8,220.72	7,361.73	25.19	23.67	-102.99	-188.38	1,075.74	896.45	847.60	48.85	18.351		
8,200.00	7,160.48	8,320.71	7,361.68	26.36	24.93	-102.98	-189.05	1,175.73	895.45	844.17	51.28	17.460		
8,300.00	7,160.74	8,420.71	7,361.62	27.58	26.23	-102.98	-189.71	1,275.73	894.45	840.64	53.81	16.622		
8,400.00	7,160.99	8,520.70	7,361.56	28.85	27.57	-102.97	-190.37	1,375.72	893.45	837.03	56.41	15.837		
8,500.00	7,161.24	8,620.70	7,361.51	30.16	28.94	-102.97	-191.03	1,475.71	892.45	833.36	59.09	15.104		
8,600.00	7,161.50	8,720.69	7,361.45	31.50	30.35	-102.96	-191.69	1,575.70	891.45	829.63	61.82	14.421		
8,700.00	7,161.75	8,820.69	7,361.40	32.88	31.78	-102.96	-192.35	1,675.70	890.45	825.85	64.60	13.784		
8,800.00	7,162.00	8,920.68	7,361.34	34.28	33.23	-102.95	-193.02	1,775.69	889.45	822.02	67.43	13.191		
8,900.00	7,162.25	9,020.68	7,361.29	35.71	34.70	-102.94	-193.68	1,875.68	888.45	818.15	70.29	12.639		
9,000.00	7,162.51	9,120.67	7,361.23	37.15	36.19	-102.94	-194.34	1,975.68	887.44	814.25	73.20	12.124		
9,100.00	7,162.76	9,220.67	7,361.18	38.62	37.70	-102.93	-195.00	2,075.67	886.44	810.32	76.13	11.644		
9,200.00	7,163.01	9,320.66	7,361.12	40.10	39.22	-102.93	-195.66	2,175.66	885.44	806.35	79.09	11.196		
9,300.00	7,163.27	9,420.66	7,361.07	41.59	40.75	-102.92	-196.32	2,275.65	884.44	802.37	82.07	10.776		
9,400.00	7,163.52	9,520.65	7,361.01	43.10	42.29	-102.92	-196.98	2,375.65	883.44	798.36	85.08	10.384		
9,500.00	7,163.77	9,620.65	7,360.95	44.62	43.84	-102.91	-197.65	2,475.64	882.44	794.34	88.11	10.016		
9,600.00	7,164.03	9,720.64	7,360.90	46.15	45.40	-102.91	-198.31	2,575.63	881.44	790.29	91.15	9.670		
9,700.00	7,164.28	9,820.64	7,360.84	47.69	46.97	-102.90	-198.97	2,675.63	880.44	786.23	94.21	9.346		
9,800.00	7,164.53	9,920.63	7,360.79	49.24	48.54	-102.89	-199.63	2,775.62	879.44	782.16	97.28	9.040		
9,900.00	7,164.79	10,020.63	7,360.73	50.79	50.13	-102.89	-200.29	2,875.61	878.44	778.07	100.37	8.752		
10,000.00	7,165.04	10,120.62	7,360.68	52.36	51.71	-102.88	-200.95	2,975.60	877.44	773.97	103.47	8.480		
10,100.00	7,165.29	10,220.62	7,360.62	53.93	53.30	-102.88	-201.62	3,075.60	876.44	769.86	106.58	8.223		
10,200.00	7,165.54	10,320.61	7,360.57	55.50	54.90	-102.87	-202.28	3,175.59	875.44	765.74	109.70	7.980		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	
10,300.00	7,165.80	10,420.61	7,360.51	57.08	56.50	-102.87	-202.94	3,275.58	874.44	761.61	112.83	7.750		
10,400.00	7,166.05	10,520.60	7,360.45	58.67	58.11	-102.86	-203.60	3,375.57	873.43	757.47	115.97	7.532		
10,500.00	7,166.30	10,620.60	7,360.40	60.26	59.72	-102.85	-204.26	3,475.57	872.43	753.32	119.11	7.325		
10,600.00	7,166.56	10,720.59	7,360.34	61.85	61.33	-102.85	-204.92	3,575.56	871.43	749.17	122.26	7.127		
10,700.00	7,166.81	10,820.59	7,360.29	63.45	62.94	-102.84	-205.59	3,675.55	870.43	745.01	125.42	6.940		
10,800.00	7,167.06	10,920.58	7,360.23	65.06	64.56	-102.84	-206.25	3,775.55	869.43	740.84	128.59	6.761		
10,900.00	7,167.32	11,020.58	7,360.18	66.66	66.18	-102.83	-206.91	3,875.54	868.43	736.67	131.76	6.591		
11,000.00	7,167.57	11,120.57	7,360.12	68.27	67.81	-102.82	-207.57	3,975.53	867.43	732.49	134.94	6.428		
11,100.00	7,167.82	11,220.57	7,360.07	69.88	69.43	-102.82	-208.23	4,075.52	866.43	728.31	138.12	6.273		
11,200.00	7,168.08	11,320.56	7,360.01	71.50	71.06	-102.81	-208.89	4,175.52	865.43	724.13	141.30	6.125		
11,300.00	7,168.33	11,420.56	7,359.95	73.11	72.69	-102.81	-209.55	4,275.51	864.43	719.93	144.49	5.982		
11,400.00	7,168.58	11,520.55	7,359.90	74.73	74.32	-102.80	-210.22	4,375.50	863.43	715.74	147.69	5.846		
11,500.00	7,168.84	11,620.55	7,359.84	76.35	75.95	-102.79	-210.88	4,475.49	862.43	711.54	150.89	5.716		
11,600.00	7,169.09	11,720.54	7,359.79	77.98	77.59	-102.79	-211.54	4,575.49	861.43	707.34	154.09	5.590		
11,700.00	7,169.34	11,820.54	7,359.73	79.60	79.23	-102.78	-212.20	4,675.48	860.43	703.13	157.29	5.470		
11,800.00	7,169.59	11,920.53	7,359.68	81.23	80.86	-102.78	-212.86	4,775.47	859.43	698.92	160.50	5.355		
11,830.06	7,169.67	11,950.59	7,359.66	81.72	81.36	-102.77	-213.06	4,805.53	859.28	697.81	161.47	5.322		
11,900.00	7,169.85	12,020.52	7,359.62	82.86	82.50	-102.75	-213.52	4,875.46	860.05	696.33	163.72	5.253		
12,000.00	7,170.10	12,120.46	7,359.57	84.50	84.14	-102.69	-214.19	4,975.40	863.33	696.37	166.96	5.171		
12,100.00	7,170.36	12,220.40	7,359.51	86.14	85.79	-102.62	-214.85	5,075.33	866.81	696.60	170.21	5.093		
12,200.00	7,170.61	12,320.33	7,359.45	87.78	87.43	-102.55	-215.51	5,175.26	870.28	696.82	173.46	5.017		
12,300.00	7,170.87	12,420.26	7,359.40	89.43	89.07	-102.47	-216.17	5,275.19	873.76	697.05	176.71	4.945		
12,400.00	7,171.12	12,520.20	7,359.34	91.07	90.72	-102.40	-216.83	5,375.13	877.24	697.27	179.97	4.874		
12,500.00	7,171.38	12,620.13	7,359.29	92.72	92.36	-102.33	-217.49	5,475.06	880.72	697.49	183.22	4.807		
12,600.00	7,171.63	12,720.07	7,359.23	94.36	94.01	-102.26	-218.15	5,574.99	884.20	697.71	186.49	4.741		
12,700.00	7,171.89	12,820.00	7,359.18	96.01	95.65	-102.19	-218.81	5,674.92	887.68	697.93	189.75	4.678		
12,800.00	7,172.14	12,919.93	7,359.12	97.66	97.30	-102.12	-219.48	5,774.85	891.16	698.14	193.02	4.617		
12,900.00	7,172.40	13,019.87	7,359.07	99.31	98.95	-102.06	-220.14	5,874.78	894.64	698.36	196.29	4.558		
13,000.00	7,172.65	13,119.80	7,359.01	100.96	100.60	-101.99	-220.80	5,974.71	898.13	698.57	199.56	4.501		
13,100.00	7,172.91	13,219.73	7,358.95	102.61	102.25	-101.92	-221.46	6,074.65	901.62	698.79	202.83	4.445		
13,200.00	7,173.16	13,319.67	7,358.90	104.26	103.90	-101.85	-222.12	6,174.58	905.11	699.00	206.11	4.391		
13,300.00	7,173.42	13,419.64	7,358.84	105.91	105.55	-101.80	-222.78	6,274.55	907.00	697.63	209.37	4.332		
13,400.00	7,173.67	13,519.63	7,358.79	107.55	107.21	-101.80	-223.44	6,374.53	905.48	692.87	212.62	4.259		
13,500.00	7,173.92	13,619.51	7,358.73	109.19	108.86	-101.85	-224.10	6,474.42	900.85	685.02	215.84	4.174		
13,600.00	7,174.18	13,719.37	7,358.68	110.82	110.51	-101.90	-224.76	6,574.28	895.64	676.59	219.05	4.089		
13,700.00	7,174.43	13,819.24	7,358.62	112.46	112.16	-101.95	-225.43	6,674.14	890.44	668.17	222.26	4.006		
13,800.00	7,174.68	13,919.10	7,358.57	114.09	113.82	-102.00	-226.09	6,773.99	885.23	659.75	225.48	3.926		
13,900.00	7,174.94	14,018.96	7,358.51	115.73	115.47	-102.05	-226.75	6,873.85	880.02	651.33	228.69	3.848		
14,000.00	7,175.19	14,118.82	7,358.46	117.37	117.12	-102.10	-227.41	6,973.71	874.82	642.91	231.90	3.772		
14,100.00	7,175.44	14,218.68	7,358.40	119.01	118.78	-102.15	-228.07	7,073.57	869.61	634.50	235.12	3.699		
14,200.00	7,175.70	14,318.54	7,358.34	120.65	120.43	-102.21	-228.73	7,173.43	864.41	626.08	238.33	3.627		
14,300.00	7,175.95	14,418.40	7,358.29	122.29	122.09	-102.26	-229.39	7,273.29	859.21	617.67	241.54	3.557		
14,400.00	7,176.20	14,518.26	7,358.23	123.93	123.74	-102.32	-230.05	7,373.15	854.00	609.25	244.75	3.489		
14,500.00	7,176.46	14,618.13	7,358.18	125.57	125.40	-102.37	-230.71	7,473.01	848.80	600.84	247.96	3.423		
14,600.00	7,176.71	14,717.99	7,358.12	127.21	127.06	-102.43	-231.37	7,572.87	843.60	592.43	251.17	3.359		
14,700.00	7,176.96	14,817.91	7,358.07	128.86	128.71	-102.45	-232.03	7,672.79	839.95	585.55	254.40	3.302		
14,798.56	7,177.21	14,916.47	7,358.01	130.49	130.35	-102.44	-232.68	7,771.34	838.98	581.38	257.61	3.257		
14,800.00	7,177.21	14,917.91	7,358.01	130.51	130.37	-102.44	-232.69	7,772.79	839.40	581.74	257.66	3.258		
14,900.00	7,177.47	15,017.91	7,357.96	132.17	132.03	-102.42	-233.36	7,872.78	839.43	578.50	260.93	3.217		
15,000.00	7,177.72	15,117.91	7,357.90	133.82	133.69	-102.39	-234.02	7,972.78	839.46	575.26	264.20	3.177		
15,100.00	7,177.97	15,217.91	7,357.84	135.48	135.35	-102.37	-234.68	8,072.78	839.49	572.01	267.47	3.139		
15,200.00	7,178.23	15,317.91	7,357.79	137.14	137.01	-102.35	-235.34	8,172.77	839.52	568.77	270.75	3.101		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
15,300.00	7,178.48	15,417.91	7,357.73	138.80	138.68	-102.33	-236.00	8,272.77	839.55	565.53	274.02	3.064		
15,400.00	7,178.73	15,517.91	7,357.68	140.46	140.34	-102.31	-236.66	8,372.77	839.58	562.28	277.30	3.028		
15,500.00	7,178.99	15,617.91	7,357.62	142.12	142.00	-102.28	-237.33	8,472.77	839.61	559.03	280.57	2.992		
15,600.00	7,179.24	15,717.91	7,357.57	143.78	143.66	-102.26	-237.99	8,572.76	839.64	555.79	283.85	2.958		
15,700.00	7,179.49	15,817.91	7,357.51	145.43	145.32	-102.24	-238.65	8,672.76	839.67	552.54	287.13	2.924		
15,800.00	7,179.75	15,917.90	7,357.46	147.09	146.98	-102.22	-239.31	8,772.76	839.70	549.29	290.41	2.891		
15,800.16	7,179.75	15,918.06	7,357.46	147.10	146.99	-102.22	-239.31	8,772.92	839.70	549.28	290.41	2.891		
15,900.00	7,180.00	16,013.98	7,357.40	148.75	148.58	-102.20	-239.91	8,868.83	839.77	546.18	293.59	2.860		
16,000.00	7,180.25	16,107.12	7,357.35	150.42	150.13	-102.16	-239.41	8,961.97	840.96	544.27	296.69	2.834		
16,100.00	7,180.51	16,207.11	7,357.30	152.08	151.79	-102.12	-238.75	9,061.95	842.27	542.29	299.98	2.808		
16,200.00	7,180.76	16,307.10	7,357.24	153.74	153.45	-102.08	-238.10	9,161.94	843.59	540.31	303.28	2.782		
16,300.00	7,181.01	16,407.08	7,357.18	155.40	155.11	-102.04	-237.45	9,261.93	844.90	538.33	306.57	2.756		
16,400.00	7,181.27	16,507.07	7,357.13	157.06	156.77	-102.00	-236.80	9,361.91	846.22	536.35	309.87	2.731		
16,500.00	7,181.52	16,607.06	7,357.07	158.72	158.43	-101.96	-236.15	9,461.90	847.53	534.37	313.17	2.706		
16,600.00	7,181.77	16,707.05	7,357.02	160.38	160.10	-101.92	-235.50	9,561.89	848.85	532.38	316.47	2.682		
16,700.00	7,182.03	16,807.04	7,356.96	162.05	161.76	-101.88	-234.85	9,661.88	850.17	530.40	319.77	2.659		
16,800.00	7,182.28	16,907.03	7,356.91	163.71	163.42	-101.84	-234.19	9,761.86	851.49	528.42	323.07	2.636		
16,900.00	7,182.53	17,007.02	7,356.85	165.37	165.08	-101.80	-233.54	9,861.85	852.80	526.44	326.37	2.613		
17,000.00	7,182.79	17,107.01	7,356.80	167.03	166.74	-101.76	-232.89	9,961.84	854.12	524.45	329.67	2.591		
17,100.00	7,183.04	17,207.00	7,356.74	168.70	168.41	-101.72	-232.24	10,061.83	855.44	522.47	332.97	2.569		
17,200.00	7,183.29	17,306.99	7,356.69	170.36	170.07	-101.68	-231.59	10,161.81	856.76	520.48	336.28	2.548		
17,300.00	7,183.55	17,406.98	7,356.63	172.02	171.73	-101.64	-230.94	10,261.80	858.08	518.50	339.58	2.527		
17,400.00	7,183.80	17,506.97	7,356.58	173.69	173.40	-101.60	-230.29	10,361.79	859.40	516.51	342.89	2.506		
17,500.00	7,184.05	17,606.96	7,356.52	175.35	175.06	-101.56	-229.64	10,461.78	860.72	514.53	346.19	2.486		
17,600.00	7,184.31	17,706.95	7,356.46	177.01	176.72	-101.52	-228.98	10,561.76	862.04	512.54	349.50	2.466		
17,700.00	7,184.56	17,806.94	7,356.41	178.68	178.39	-101.48	-228.33	10,661.75	863.36	510.55	352.81	2.447		
17,800.00	7,184.81	17,906.93	7,356.35	180.34	180.05	-101.45	-227.68	10,761.74	864.68	508.57	356.12	2.428		
17,900.00	7,185.07	18,006.92	7,356.30	182.01	181.71	-101.41	-227.03	10,861.73	866.01	506.58	359.43	2.409		
18,000.00	7,185.32	18,106.91	7,356.24	183.67	183.38	-101.37	-226.38	10,961.71	867.33	504.59	362.73	2.391		
18,100.00	7,185.57	18,206.90	7,356.19	185.33	185.04	-101.33	-225.73	11,061.70	868.65	502.60	366.05	2.373		
18,200.00	7,185.83	18,306.89	7,356.13	187.00	186.71	-101.29	-225.08	11,161.69	869.97	500.62	369.36	2.355		
18,300.00	7,186.08	18,406.88	7,356.08	188.66	188.37	-101.25	-224.42	11,261.68	871.30	498.63	372.67	2.338		
18,400.00	7,186.33	18,506.87	7,356.02	190.33	190.04	-101.22	-223.77	11,361.66	872.62	496.64	375.98	2.321		
18,500.00	7,186.59	18,606.86	7,355.97	191.99	191.70	-101.18	-223.12	11,461.65	873.94	494.65	379.29	2.304		
18,600.00	7,186.84	18,706.84	7,355.91	193.66	193.37	-101.14	-222.47	11,561.64	875.27	492.66	382.61	2.288		
18,700.00	7,187.09	18,806.83	7,355.86	195.33	195.03	-101.10	-221.82	11,661.63	876.59	490.67	385.92	2.271		
18,800.00	7,187.35	18,906.82	7,355.80	196.99	196.70	-101.07	-221.17	11,761.61	877.92	488.68	389.24	2.255		
18,900.00	7,187.60	19,006.81	7,355.74	198.66	198.36	-101.03	-220.52	11,861.60	879.25	486.69	392.55	2.240		
19,000.00	7,187.85	19,106.80	7,355.69	200.32	200.03	-100.99	-219.86	11,961.59	880.57	484.70	395.87	2.224		
19,100.00	7,188.11	19,206.79	7,355.63	201.99	201.69	-100.95	-219.21	12,061.58	881.90	482.71	399.19	2.209		
19,200.00	7,188.36	19,306.78	7,355.58	203.65	203.36	-100.92	-218.56	12,161.56	883.23	480.72	402.50	2.194		
19,300.00	7,188.61	19,406.77	7,355.52	205.32	205.02	-100.88	-217.91	12,261.55	884.55	478.73	405.82	2.180		
19,400.00	7,188.87	19,506.76	7,355.47	206.99	206.69	-100.84	-217.26	12,361.54	885.88	476.74	409.14	2.165		
19,500.00	7,189.12	19,606.75	7,355.41	208.65	208.35	-100.81	-216.61	12,461.53	887.21	474.75	412.46	2.151		
19,600.00	7,189.37	19,706.74	7,355.36	210.32	210.02	-100.77	-215.96	12,561.51	888.54	472.76	415.78	2.137		
19,700.00	7,189.63	19,806.73	7,355.30	211.99	211.68	-100.73	-215.30	12,661.50	889.87	470.76	419.10	2.123		
19,800.00	7,189.88	19,906.72	7,355.25	213.65	213.35	-100.70	-214.65	12,761.49	891.19	468.77	422.42	2.110		
19,900.00	7,190.13	20,006.71	7,355.19	215.32	215.02	-100.66	-214.00	12,861.48	892.52	466.78	425.74	2.096		
20,000.00	7,190.39	20,106.70	7,355.14	216.99	216.68	-100.62	-213.35	12,961.46	893.85	464.79	429.06	2.083		
20,100.00	7,190.64	20,206.69	7,355.08	218.65	218.35	-100.59	-212.70	13,061.45	895.18	462.80	432.39	2.070		
20,200.00	7,190.89	20,306.68	7,355.02	220.32	220.01	-100.55	-212.05	13,161.44	896.51	460.80	435.71	2.058		
20,242.80	7,191.00	20,349.47	7,355.00	221.04	220.73	-100.54	-211.77	13,204.23	897.08	459.95	437.13	2.052 SF		

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	200.00	-1.39	200.00				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	200.00	-1.39	200.00	192.47	7.53	26.565	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	200.00	-1.39	200.00	192.43	7.57	26.407	CC, ES, SF
300.00	299.98	293.39	293.38	3.34	3.35	175.94	201.51	-1.54	203.37	195.71	7.65	26.567	
400.00	399.84	386.16	386.03	3.40	3.41	175.91	206.02	-1.97	213.43	205.66	7.78	27.448	
500.00	499.45	482.95	482.56	3.49	3.50	175.88	213.02	-2.65	229.31	221.37	7.95	28.858	
600.00	598.70	581.04	580.38	3.60	3.60	175.91	220.24	-3.34	248.75	240.58	8.16	30.474	
700.00	697.53	678.49	677.57	3.75	3.72	175.98	227.41	-4.03	271.17	262.75	8.42	32.210	
800.00	796.30	775.84	774.66	3.93	3.86	176.06	234.58	-4.72	294.02	285.33	8.69	33.820	
900.00	895.07	873.20	871.74	4.14	4.01	176.14	241.74	-5.41	316.88	307.87	9.00	35.204	
1,000.00	993.83	970.55	968.83	4.37	4.18	176.20	248.91	-6.10	339.73	330.39	9.34	36.386	
1,100.00	1,092.60	1,067.90	1,065.91	4.61	4.36	176.25	256.07	-6.79	362.59	352.89	9.70	37.389	
1,200.00	1,191.37	1,165.26	1,163.00	4.88	4.56	176.30	263.24	-7.48	385.44	375.36	10.08	38.235	
1,300.00	1,290.13	1,262.61	1,260.09	5.15	4.76	176.34	270.40	-8.17	408.30	397.81	10.48	38.946	
1,400.00	1,388.90	1,359.96	1,357.17	5.44	4.96	176.38	277.57	-8.86	431.15	420.25	10.90	39.544	
1,500.00	1,487.66	1,457.31	1,454.26	5.74	5.18	176.41	284.73	-9.55	454.01	442.67	11.34	40.043	
1,600.00	1,586.43	1,554.67	1,551.35	6.04	5.40	176.44	291.90	-10.24	476.86	465.08	11.79	40.459	
1,700.00	1,685.20	1,652.02	1,648.43	6.36	5.63	176.47	299.06	-10.93	499.72	487.47	12.25	40.806	
1,800.00	1,783.96	1,749.37	1,745.52	6.68	5.86	176.50	306.23	-11.62	522.58	509.86	12.72	41.095	
1,900.00	1,882.73	1,846.72	1,842.60	6.85	6.10	176.52	313.39	-12.31	545.43	532.73	12.70	42.941	
2,000.00	1,981.49	1,944.08	1,939.69	6.89	6.34	176.54	320.55	-13.00	568.29	555.34	12.95	43.875	
2,100.00	2,080.26	2,041.43	2,036.78	6.94	6.58	176.56	327.72	-13.69	591.15	577.92	13.22	44.712	
2,200.00	2,179.03	2,138.78	2,133.86	7.01	6.83	176.58	334.88	-14.38	614.00	600.49	13.51	45.456	
2,300.00	2,277.79	2,236.13	2,230.95	7.09	7.08	176.60	342.05	-15.07	636.86	623.05	13.81	46.113	
2,400.00	2,376.56	2,333.49	2,328.03	7.19	7.33	176.61	349.21	-15.76	659.72	645.59	14.13	46.689	
2,500.00	2,475.32	2,430.84	2,425.12	7.31	7.59	176.63	356.38	-16.45	682.57	668.11	14.46	47.188	
2,600.00	2,574.09	2,528.19	2,522.21	7.44	7.84	176.64	363.54	-17.14	705.43	690.62	14.81	47.618	
2,700.00	2,672.86	2,625.55	2,619.29	7.58	8.10	176.65	370.71	-17.83	728.29	713.11	15.18	47.983	
2,800.00	2,771.62	2,722.90	2,716.38	7.73	8.36	176.67	377.87	-18.52	751.14	735.59	15.55	48.290	
2,900.00	2,870.39	2,820.25	2,813.47	7.90	8.62	176.68	385.04	-19.21	774.00	758.06	15.94	48.545	
3,000.00	2,969.16	2,917.60	2,910.55	8.07	8.89	176.69	392.20	-19.90	796.86	780.51	16.34	48.753	
3,100.00	3,067.92	3,014.96	3,007.64	8.26	9.15	176.70	399.36	-20.59	819.71	802.96	16.76	48.919	
3,200.00	3,166.69	3,112.31	3,104.72	8.46	9.42	176.71	406.53	-21.28	842.57	825.39	17.18	49.048	
3,300.00	3,265.45	3,209.66	3,201.81	8.66	9.68	176.72	413.69	-21.97	865.43	847.82	17.61	49.144	
3,400.00	3,364.22	3,307.01	3,298.90	8.88	9.95	176.72	420.86	-22.66	888.29	870.23	18.05	49.211	
3,500.00	3,462.99	3,404.37	3,395.98	9.10	10.22	176.73	428.02	-23.35	911.14	892.64	18.50	49.253	
3,600.00	3,561.75	3,501.72	3,493.07	9.32	10.49	176.74	435.19	-24.04	934.00	915.04	18.96	49.273	
3,700.00	3,660.52	3,600.93	3,590.16	9.56	10.76	176.75	442.35	-24.73	956.86	937.43	19.42	49.261	
3,800.00	3,759.28	3,696.42	3,687.24	9.80	11.03	176.76	449.52	-25.42	979.71	959.82	19.89	49.258	
3,900.00	3,858.05	3,806.22	3,784.33	10.05	11.33	176.76	456.68	-26.11	1,002.57	982.17	20.40	49.146	
4,000.00	3,956.82	3,908.87	3,881.41	10.30	11.62	176.77	463.85	-26.80	1,025.43	1,004.53	20.90	49.072	
4,100.00	4,055.58	3,988.48	3,978.50	10.56	11.84	176.77	471.01	-27.49	1,048.28	1,026.95	21.34	49.132	
4,200.00	4,154.35	4,085.84	4,075.59	10.82	12.11	176.78	478.17	-28.18	1,071.14	1,049.31	21.83	49.070	
4,300.00	4,253.11	4,183.19	4,172.67	11.08	12.39	176.79	485.34	-28.87	1,094.00	1,071.67	22.33	49.001	
4,400.00	4,351.88	4,280.54	4,269.76	11.35	12.66	176.79	492.50	-29.56	1,116.86	1,094.03	22.83	48.925	
4,500.00	4,450.65	4,377.89	4,366.85	11.63	12.93	176.80	499.67	-30.25	1,139.71	1,116.38	23.33	48.845	
4,600.00	4,549.41	4,475.25	4,463.93	11.90	13.21	176.80	506.83	-30.94	1,162.57	1,138.73	23.84	48.759	
4,700.00	4,648.18	4,572.60	4,561.02	12.18	13.48	176.81	514.00	-31.63	1,185.43	1,161.07	24.36	48.671	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	-0.44	179.96	-1.39	179.97				
100.00	100.00	100.00	100.00	3.28	3.28	-0.44	179.96	-1.39	179.97	172.44	7.53	23.904	
200.00	200.00	200.00	200.00	3.31	3.31	-0.44	179.96	-1.39	179.97	172.39	7.57	23.762	CC, ES, SF
300.00	299.98	294.01	293.99	3.34	3.35	175.89	181.50	-1.55	183.34	175.69	7.66	23.950	
400.00	399.84	387.39	387.25	3.40	3.41	175.85	186.05	-2.03	193.44	185.66	7.78	24.873	
500.00	499.45	484.77	484.38	3.49	3.50	175.81	192.99	-2.76	209.21	201.26	7.95	26.321	
600.00	598.70	582.89	582.24	3.60	3.60	175.83	200.05	-3.50	228.48	220.31	8.16	27.983	
700.00	697.53	680.37	679.48	3.75	3.72	175.91	207.07	-4.24	250.74	242.32	8.42	29.775	
800.00	796.30	777.76	776.61	3.93	3.86	176.00	214.08	-4.98	273.44	264.74	8.70	31.442	
900.00	895.07	875.15	873.75	4.14	4.02	176.07	221.09	-5.72	296.13	287.13	9.00	32.889	
1,000.00	993.83	972.54	970.88	4.37	4.19	176.13	228.10	-6.45	318.83	309.49	9.34	34.136	
1,100.00	1,092.60	1,069.93	1,068.02	4.61	4.37	176.18	235.11	-7.19	341.52	331.82	9.70	35.205	
1,200.00	1,191.37	1,167.32	1,165.15	4.88	4.56	176.23	242.12	-7.93	364.22	354.14	10.08	36.118	
1,300.00	1,290.13	1,264.71	1,262.28	5.15	4.76	176.27	249.13	-8.66	386.92	376.43	10.49	36.895	
1,400.00	1,388.90	1,362.10	1,359.42	5.44	4.97	176.31	256.14	-9.40	409.61	398.71	10.91	37.556	
1,500.00	1,487.66	1,459.49	1,456.55	5.74	5.18	176.34	263.15	-10.14	432.31	420.97	11.34	38.116	
1,600.00	1,586.43	1,556.88	1,553.69	6.04	5.40	176.37	270.15	-10.87	455.01	443.22	11.79	38.592	
1,700.00	1,685.20	1,654.27	1,650.82	6.36	5.63	176.40	277.16	-11.61	477.71	465.46	12.25	38.996	
1,800.00	1,783.96	1,751.66	1,747.96	6.68	5.86	176.42	284.17	-12.35	500.40	487.68	12.72	39.339	
1,900.00	1,882.73	1,849.05	1,845.09	6.85	6.04	176.44	291.18	-13.08	523.10	510.45	12.65	41.357	
2,000.00	1,981.49	1,946.44	1,942.23	6.89	6.11	176.46	298.19	-13.82	545.80	533.06	12.73	42.862	
2,100.00	2,080.26	2,043.83	2,039.36	6.94	6.14	176.48	305.20	-14.56	568.50	555.71	12.79	44.464	
2,200.00	2,179.03	2,141.22	2,136.49	7.01	6.17	176.50	312.21	-15.29	591.19	578.33	12.86	45.957	
2,300.00	2,277.79	2,238.61	2,233.63	7.09	6.22	176.52	319.22	-16.03	613.89	600.92	12.97	47.336	
2,400.00	2,376.56	2,336.00	2,330.76	7.19	6.28	176.53	326.23	-16.77	636.59	623.49	13.10	48.596	
2,500.00	2,475.32	2,433.39	2,427.90	7.31	6.35	176.55	333.24	-17.50	659.29	646.03	13.26	49.739	
2,600.00	2,574.09	2,530.78	2,525.03	7.44	6.43	176.56	340.25	-18.24	681.99	668.55	13.43	50.763	
2,700.00	2,672.86	2,628.17	2,622.17	7.58	6.52	176.57	347.26	-18.98	704.68	691.05	13.64	51.673	
2,800.00	2,771.62	2,725.56	2,719.30	7.73	6.62	176.58	354.27	-19.71	727.38	713.52	13.86	52.473	
2,900.00	2,870.39	2,822.95	2,816.44	7.90	6.73	176.59	361.28	-20.45	750.08	735.97	14.11	53.169	
3,000.00	2,969.16	2,920.34	2,913.57	8.07	6.86	176.60	368.28	-21.19	772.78	758.40	14.37	53.767	
3,100.00	3,067.92	3,017.73	3,010.71	8.26	6.99	176.61	375.29	-21.92	795.48	780.82	14.66	54.273	
3,200.00	3,166.69	3,115.12	3,107.84	8.46	7.12	176.62	382.30	-22.66	818.17	803.22	14.96	54.696	
3,300.00	3,265.45	3,212.51	3,204.97	8.66	7.27	176.63	389.31	-23.40	840.87	825.60	15.28	55.043	
3,400.00	3,364.22	3,309.90	3,302.11	8.88	7.42	176.64	396.32	-24.13	863.57	847.96	15.61	55.323	
3,500.00	3,462.99	3,407.29	3,399.24	9.10	7.58	176.65	403.33	-24.87	886.27	870.31	15.96	55.537	
3,600.00	3,561.75	3,504.68	3,496.38	9.32	7.75	176.65	410.34	-25.61	908.97	892.65	16.32	55.698	
3,700.00	3,660.52	3,602.07	3,593.51	9.56	7.92	176.66	417.35	-26.34	931.66	914.97	16.69	55.808	
3,800.00	3,759.28	3,700.54	3,690.65	9.80	8.10	176.67	424.36	-27.08	954.36	937.28	17.08	55.869	
3,900.00	3,858.05	3,803.15	3,787.78	10.05	8.29	176.67	431.37	-27.82	977.06	959.57	17.49	55.866	
4,000.00	3,956.82	3,905.76	3,884.92	10.30	8.49	176.68	438.38	-28.55	999.76	981.85	17.91	55.830	
4,100.00	4,055.58	4,008.37	3,982.05	10.56	8.70	176.68	445.39	-29.29	1,022.46	1,004.12	18.33	55.766	
4,200.00	4,154.35	4,089.02	4,079.18	10.82	8.86	176.69	452.40	-30.03	1,045.16	1,026.43	18.73	55.810	
4,300.00	4,253.11	4,186.41	4,176.32	11.08	9.06	176.70	459.41	-30.76	1,067.85	1,048.69	19.16	55.731	
4,400.00	4,351.88	4,283.80	4,273.45	11.35	9.27	176.70	466.41	-31.50	1,090.55	1,070.95	19.60	55.633	
4,500.00	4,450.65	4,381.19	4,370.59	11.63	9.47	176.71	473.42	-32.24	1,113.25	1,093.20	20.05	55.519	
4,600.00	4,549.41	4,478.58	4,467.72	11.90	9.69	176.71	480.43	-32.97	1,135.95	1,115.44	20.51	55.393	
4,700.00	4,648.18	4,575.97	4,564.86	12.18	9.90	176.71	487.44	-33.71	1,158.65	1,137.68	20.97	55.255	
4,800.00	4,746.95	4,673.36	4,661.99	12.47	10.12	176.72	494.45	-34.45	1,181.34	1,159.91	21.44	55.108	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 26N-27C-XR - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7664-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	-0.40	159.93	-1.11	159.93				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	159.93	-1.11	159.93	152.40	7.53	21.242	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	159.93	-1.11	159.93	152.36	7.57	21.116	CC, ES, SF
300.00	299.98	294.67	294.65	3.34	3.35	175.90	161.47	-1.37	163.30	155.65	7.66	21.331	
400.00	399.84	407.94	391.94	3.40	3.43	175.79	165.66	-2.07	172.82	165.02	7.79	22.174	
500.00	499.45	491.17	490.95	3.49	3.50	175.74	170.18	-2.83	186.05	178.09	7.95	23.389	
600.00	598.70	589.77	589.44	3.60	3.60	175.77	174.68	-3.58	202.72	194.55	8.17	24.813	
700.00	697.53	687.81	687.38	3.75	3.72	175.86	179.15	-4.33	222.40	213.97	8.43	26.396	
800.00	796.30	785.76	785.23	3.93	3.86	175.95	183.62	-5.08	242.51	233.81	8.70	27.870	
900.00	895.07	883.72	883.08	4.14	4.01	176.04	188.08	-5.83	262.63	253.62	9.01	29.149	
1,000.00	993.83	981.67	980.93	4.37	4.17	176.10	192.55	-6.57	282.75	273.40	9.35	30.252	
1,100.00	1,092.60	1,079.63	1,078.78	4.61	4.35	176.16	197.02	-7.32	302.86	293.15	9.71	31.199	
1,200.00	1,191.37	1,177.59	1,176.63	4.88	4.53	176.22	201.48	-8.07	322.98	312.89	10.09	32.007	
1,300.00	1,290.13	1,275.54	1,274.48	5.15	4.73	176.26	205.95	-8.82	343.09	332.60	10.49	32.696	
1,400.00	1,388.90	1,373.50	1,372.34	5.44	4.93	176.30	210.42	-9.56	363.21	352.30	10.91	33.282	
1,500.00	1,487.66	1,471.45	1,470.19	5.74	5.14	176.34	214.88	-10.31	383.33	371.98	11.35	33.780	
1,600.00	1,586.43	1,569.41	1,568.04	6.04	5.35	176.37	219.35	-11.06	403.44	391.65	11.80	34.203	
1,700.00	1,685.20	1,667.36	1,665.89	6.36	5.57	176.40	223.82	-11.81	423.56	411.31	12.26	34.562	
1,800.00	1,783.96	1,765.32	1,763.74	6.68	5.79	176.43	228.28	-12.55	443.68	430.95	12.72	34.868	
1,900.00	1,882.73	1,863.27	1,861.59	6.85	6.02	176.45	232.75	-13.30	463.80	451.09	12.71	36.499	
2,000.00	1,981.49	1,961.23	1,959.44	6.89	6.26	176.48	237.22	-14.05	483.91	470.96	12.95	37.354	
2,100.00	2,080.26	2,059.18	2,057.29	6.94	6.49	176.50	241.69	-14.80	504.03	490.81	13.22	38.125	
2,200.00	2,179.03	2,157.14	2,155.14	7.01	6.73	176.52	246.15	-15.54	524.15	510.64	13.50	38.814	
2,300.00	2,277.79	2,255.09	2,252.99	7.09	6.97	176.54	250.62	-16.29	544.27	530.46	13.80	39.427	
2,400.00	2,376.56	2,353.05	2,350.84	7.19	7.21	176.55	255.09	-17.04	564.38	550.26	14.12	39.968	
2,500.00	2,475.32	2,451.01	2,448.69	7.31	7.46	176.57	259.55	-17.79	584.50	570.05	14.45	40.442	
2,600.00	2,574.09	2,548.96	2,546.54	7.44	7.71	176.58	264.02	-18.53	604.62	589.82	14.80	40.853	
2,700.00	2,672.86	2,646.92	2,644.39	7.58	7.96	176.60	268.49	-19.28	624.74	609.57	15.16	41.207	
2,800.00	2,771.62	2,744.87	2,742.24	7.73	8.21	176.61	272.95	-20.03	644.85	629.32	15.53	41.510	
2,900.00	2,870.39	2,842.83	2,840.10	7.90	8.46	176.62	277.42	-20.78	664.97	649.05	15.92	41.765	
3,000.00	2,969.16	2,940.78	2,937.95	8.07	8.71	176.63	281.89	-21.52	685.09	668.77	16.32	41.978	
3,100.00	3,067.92	3,038.74	3,035.80	8.26	8.97	176.64	286.35	-22.27	705.21	688.48	16.73	42.153	
3,200.00	3,166.69	3,136.69	3,133.65	8.46	9.22	176.65	290.82	-23.02	725.32	708.17	17.15	42.295	
3,300.00	3,265.45	3,234.65	3,231.50	8.66	9.48	176.66	295.29	-23.77	745.44	727.86	17.58	42.406	
3,400.00	3,364.22	3,332.60	3,329.35	8.88	9.74	176.67	299.75	-24.51	765.56	747.54	18.02	42.491	
3,500.00	3,462.99	3,430.56	3,427.20	9.10	10.00	176.68	304.22	-25.26	785.68	767.21	18.46	42.553	
3,600.00	3,561.75	3,528.51	3,525.05	9.32	10.26	176.69	308.69	-26.01	805.80	786.88	18.92	42.594	
3,700.00	3,660.52	3,626.47	3,622.90	9.56	10.52	176.70	313.15	-26.76	825.91	806.53	19.38	42.618	
3,800.00	3,759.28	3,724.43	3,720.75	9.80	10.78	176.70	317.62	-27.50	846.03	826.18	19.85	42.626	
3,900.00	3,858.05	3,822.38	3,818.60	10.05	11.04	176.71	322.09	-28.25	866.15	845.83	20.32	42.621	
4,000.00	3,956.82	3,920.34	3,916.45	10.30	11.30	176.72	326.55	-29.00	886.27	865.46	20.80	42.604	
4,100.00	4,055.58	4,018.29	4,014.30	10.56	11.57	176.72	331.02	-29.75	906.38	885.10	21.29	42.577	
4,200.00	4,154.35	4,116.25	4,112.15	10.82	11.83	176.73	335.49	-30.49	926.50	904.72	21.78	42.541	
4,300.00	4,253.11	4,214.20	4,210.00	11.08	12.09	176.73	339.96	-31.24	946.62	924.35	22.27	42.498	
4,400.00	4,351.88	4,312.16	4,307.86	11.35	12.36	176.74	344.42	-31.99	966.74	943.96	22.77	42.449	
4,500.00	4,450.65	4,410.11	4,405.71	11.63	12.62	176.75	348.89	-32.74	986.86	963.58	23.28	42.395	
4,600.00	4,549.41	4,508.07	4,503.56	11.90	12.89	176.75	353.36	-33.48	1,006.97	983.19	23.79	42.336	
4,700.00	4,648.18	4,606.02	4,601.41	12.18	13.16	176.76	357.82	-34.23	1,027.09	1,002.80	24.30	42.274	
4,800.00	4,746.95	4,703.98	4,699.26	12.47	13.42	176.76	362.29	-34.98	1,047.21	1,022.40	24.81	42.208	
4,900.00	4,845.71	4,801.94	4,797.11	12.75	13.69	176.76	366.76	-35.73	1,067.33	1,042.00	25.33	42.140	
5,000.00	4,944.48	4,900.11	4,894.96	13.04	13.96	176.77	371.22	-36.47	1,087.45	1,061.60	25.85	42.069	
5,100.00	5,043.24	5,002.15	4,992.81	13.33	14.23	176.77	375.69	-37.22	1,107.56	1,081.18	26.38	41.980	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 26N-27C-XR - Wellbore #1 - Design #1												Offset Site Error:	0.00 usft
Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7664-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	5,142.01	5,104.20	5,090.66	13.62	14.51	176.78	380.16	-37.97	1,127.68	1,100.76	26.92	41.890	
5,300.00	5,240.78	5,206.24	5,188.51	13.92	14.79	176.78	384.62	-38.72	1,147.80	1,120.34	27.46	41.801	
5,400.00	5,339.54	5,308.29	5,286.36	14.22	15.07	176.79	389.09	-39.46	1,167.92	1,139.92	28.00	41.711	
5,500.00	5,438.31	5,389.67	5,384.21	14.52	15.29	176.79	393.56	-40.21	1,188.04	1,159.55	28.49	41.704	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	39.41	181.06	148.78	234.34				
100.00	100.00	101.00	99.00	3.28	3.28	39.41	181.06	148.78	234.34	226.81	7.53	31.125	
200.00	200.00	199.00	199.00	3.31	3.30	39.41	181.06	148.78	234.34	226.77	7.57	30.942	CC, ES, SF
300.00	299.98	292.46	292.44	3.34	3.34	-144.25	181.55	150.18	237.12	229.47	7.65	30.986	
400.00	399.84	385.42	385.29	3.40	3.41	-144.27	183.04	154.44	245.51	237.74	7.77	31.600	
500.00	499.45	477.51	477.08	3.49	3.49	-144.29	185.51	161.45	259.45	251.52	7.93	32.717	
600.00	598.70	568.34	567.33	3.60	3.59	-144.30	188.89	171.09	278.87	270.74	8.14	34.280	
700.00	697.53	665.23	663.40	3.75	3.72	-144.55	193.05	182.94	302.16	293.76	8.40	35.969	
800.00	796.30	762.37	759.72	3.93	3.87	-144.93	197.23	194.82	325.82	317.13	8.70	37.459	
900.00	895.07	859.51	856.04	4.14	4.05	-145.27	201.40	206.71	349.50	340.47	9.03	38.703	
1,000.00	993.83	956.65	952.35	4.37	4.25	-145.56	205.57	218.59	373.18	363.78	9.40	39.714	
1,100.00	1,092.60	1,053.78	1,048.67	4.61	4.46	-145.81	209.75	230.47	396.87	387.08	9.79	40.529	
1,200.00	1,191.37	1,150.92	1,144.99	4.88	4.68	-146.04	213.92	242.36	420.57	410.35	10.21	41.179	
1,300.00	1,290.13	1,248.06	1,241.31	5.15	4.92	-146.24	218.09	254.24	444.27	433.61	10.66	41.690	
1,400.00	1,388.90	1,345.20	1,337.63	5.44	5.16	-146.42	222.27	266.12	467.98	456.86	11.12	42.091	
1,500.00	1,487.66	1,442.34	1,433.95	5.74	5.42	-146.59	226.44	278.01	491.69	480.09	11.60	42.399	
1,600.00	1,586.43	1,539.48	1,530.27	6.04	5.68	-146.74	230.61	289.89	515.41	503.32	12.09	42.631	
1,700.00	1,685.20	1,636.62	1,626.59	6.36	5.95	-146.87	234.79	301.77	539.12	526.53	12.60	42.801	
1,800.00	1,783.96	1,733.76	1,722.91	6.68	6.22	-147.00	238.96	313.66	562.84	549.73	13.11	42.923	
1,900.00	1,882.73	1,830.90	1,819.22	6.85	6.50	-147.11	243.13	325.54	586.57	573.43	13.14	44.646	
2,000.00	1,981.49	1,928.04	1,915.54	6.89	6.78	-147.22	247.31	337.43	610.29	596.87	13.42	45.461	
2,100.00	2,080.26	2,025.17	2,011.86	6.94	7.07	-147.32	251.48	349.31	634.02	620.29	13.73	46.178	
2,200.00	2,179.03	2,122.31	2,108.18	7.01	7.36	-147.41	255.65	361.19	657.75	643.69	14.05	46.805	
2,300.00	2,277.79	2,219.45	2,204.50	7.09	7.66	-147.49	259.82	373.08	681.48	667.08	14.39	47.345	
2,400.00	2,376.56	2,316.59	2,300.82	7.19	7.95	-147.57	264.00	384.96	705.21	690.46	14.75	47.808	
2,500.00	2,475.32	2,413.73	2,397.14	7.31	8.25	-147.64	268.17	396.84	728.94	713.82	15.12	48.198	
2,600.00	2,574.09	2,510.87	2,493.46	7.44	8.55	-147.71	272.34	408.73	752.67	737.16	15.51	48.522	
2,700.00	2,672.86	2,608.01	2,589.78	7.58	8.85	-147.78	276.52	420.61	776.41	760.49	15.91	48.787	
2,800.00	2,771.62	2,705.15	2,686.09	7.73	9.16	-147.84	280.69	432.49	800.14	783.81	16.33	48.999	
2,900.00	2,870.39	2,802.29	2,782.41	7.90	9.46	-147.90	284.86	444.38	823.88	807.12	16.76	49.164	
3,000.00	2,969.16	2,900.58	2,878.73	8.07	9.77	-147.95	289.04	456.26	847.62	830.42	17.20	49.277	
3,100.00	3,067.92	3,003.44	2,975.05	8.26	10.10	-148.00	293.21	468.15	871.35	853.69	17.67	49.315	
3,200.00	3,166.69	3,106.30	3,071.37	8.46	10.43	-148.05	297.38	480.03	895.09	876.95	18.15	49.324	
3,300.00	3,265.45	3,190.84	3,167.69	8.66	10.70	-148.10	301.56	491.91	918.83	900.25	18.58	49.451	
3,400.00	3,364.22	3,287.98	3,264.01	8.88	11.01	-148.14	305.73	503.80	942.57	923.51	19.06	49.452	
3,500.00	3,462.99	3,385.12	3,360.33	9.10	11.32	-148.18	309.90	515.68	966.31	946.76	19.55	49.431	
3,600.00	3,561.75	3,482.26	3,456.65	9.32	11.63	-148.22	314.08	527.56	990.05	970.01	20.04	49.393	
3,700.00	3,660.52	3,579.40	3,552.97	9.56	11.95	-148.26	318.25	539.45	1,013.79	993.24	20.55	49.339	
3,800.00	3,759.28	3,676.54	3,649.28	9.80	12.26	-148.29	322.42	551.33	1,037.53	1,016.47	21.06	49.273	
3,900.00	3,858.05	3,773.67	3,745.60	10.05	12.58	-148.33	326.60	563.21	1,061.27	1,039.70	21.57	49.195	
4,000.00	3,956.82	3,870.81	3,841.92	10.30	12.89	-148.36	330.77	575.10	1,085.02	1,062.92	22.09	49.108	
4,100.00	4,055.58	3,967.95	3,938.24	10.56	13.21	-148.39	334.94	586.98	1,108.76	1,086.14	22.62	49.013	
4,200.00	4,154.35	4,065.09	4,034.56	10.82	13.53	-148.42	339.12	598.87	1,132.50	1,109.35	23.15	48.912	
4,300.00	4,253.11	4,162.23	4,130.88	11.08	13.84	-148.45	343.29	610.75	1,156.24	1,132.55	23.69	48.806	
4,400.00	4,351.88	4,259.37	4,227.20	11.35	14.16	-148.48	347.46	622.63	1,179.98	1,155.75	24.23	48.696	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	42.74	161.02	148.78	219.23				
100.00	100.00	101.00	99.00	3.28	3.28	42.74	161.02	148.78	219.23	211.70	7.53	29.119	
200.00	200.00	199.00	199.00	3.31	3.30	42.74	161.02	148.78	219.23	211.66	7.57	28.947	CC, ES, SF
300.00	299.98	292.73	292.72	3.34	3.34	-140.96	161.49	150.20	221.99	214.33	7.65	29.008	
400.00	399.84	385.98	385.84	3.40	3.41	-141.06	162.89	154.52	230.29	222.52	7.77	29.642	
500.00	499.45	478.37	477.93	3.49	3.49	-141.22	165.20	161.63	244.09	236.16	7.93	30.782	
600.00	598.70	569.50	568.48	3.60	3.59	-141.38	168.38	171.41	263.33	255.19	8.13	32.370	
700.00	697.53	665.20	663.31	3.75	3.72	-141.78	172.35	183.64	286.75	278.35	8.40	34.142	
800.00	796.30	762.28	759.50	3.93	3.88	-142.29	176.40	196.11	310.59	301.89	8.70	35.708	
900.00	895.07	859.36	855.69	4.14	4.06	-142.73	180.45	208.58	334.45	325.42	9.03	37.027	
1,000.00	993.83	956.45	951.89	4.37	4.26	-143.12	184.50	221.04	358.33	348.93	9.40	38.112	
1,100.00	1,092.60	1,053.53	1,048.08	4.61	4.47	-143.45	188.55	233.51	382.22	372.42	9.80	38.998	
1,200.00	1,191.37	1,150.61	1,144.27	4.88	4.70	-143.74	192.61	245.98	406.13	395.90	10.23	39.717	
1,300.00	1,290.13	1,247.69	1,240.46	5.15	4.94	-144.01	196.66	258.44	430.04	419.36	10.67	40.294	
1,400.00	1,388.90	1,344.77	1,336.66	5.44	5.19	-144.24	200.71	270.91	453.95	442.82	11.14	40.756	
1,500.00	1,487.66	1,441.85	1,432.85	5.74	5.45	-144.45	204.76	283.38	477.88	466.26	11.62	41.123	
1,600.00	1,586.43	1,538.94	1,529.04	6.04	5.71	-144.64	208.81	295.84	501.81	489.69	12.12	41.410	
1,700.00	1,685.20	1,636.02	1,625.23	6.36	5.99	-144.82	212.86	308.31	525.75	513.12	12.63	41.632	
1,800.00	1,783.96	1,733.10	1,721.43	6.68	6.27	-144.97	216.91	320.78	549.69	536.54	13.15	41.803	
1,900.00	1,882.73	1,830.18	1,817.62	6.85	6.51	-145.12	220.96	333.24	573.63	560.49	13.14	43.659	
2,000.00	1,981.49	1,927.26	1,913.81	6.89	6.63	-145.25	225.01	345.71	597.58	584.31	13.27	45.042	
2,100.00	2,080.26	2,024.34	2,010.00	6.94	6.66	-145.38	229.06	358.18	621.52	608.19	13.33	46.624	
2,200.00	2,179.03	2,121.42	2,106.20	7.01	6.71	-145.49	233.11	370.64	645.48	632.05	13.42	48.089	
2,300.00	2,277.79	2,218.51	2,202.39	7.09	6.77	-145.60	237.16	383.11	669.43	655.89	13.54	49.431	
2,400.00	2,376.56	2,315.59	2,298.58	7.19	6.84	-145.69	241.21	395.58	693.39	679.70	13.69	50.648	
2,500.00	2,475.32	2,412.67	2,394.77	7.31	6.92	-145.79	245.27	408.04	717.34	703.48	13.86	51.741	
2,600.00	2,574.09	2,509.75	2,490.97	7.44	7.02	-145.87	249.32	420.51	741.30	727.24	14.06	52.712	
2,700.00	2,672.86	2,606.83	2,587.16	7.58	7.13	-145.95	253.37	432.98	765.26	750.98	14.29	53.568	
2,800.00	2,771.62	2,703.91	2,683.35	7.73	7.25	-146.03	257.42	445.44	789.23	774.69	14.53	54.305	
2,900.00	2,870.39	2,800.99	2,779.54	7.90	7.38	-146.10	261.47	457.91	813.19	798.39	14.80	54.938	
3,000.00	2,969.16	2,901.92	2,875.74	8.07	7.53	-146.17	265.52	470.38	837.15	822.06	15.10	55.452	
3,100.00	3,067.92	3,004.84	2,971.93	8.26	7.69	-146.23	269.57	482.84	861.12	845.71	15.42	55.862	
3,200.00	3,166.69	3,107.76	3,068.12	8.46	7.86	-146.29	273.62	495.31	885.09	869.33	15.75	56.186	
3,300.00	3,265.45	3,189.32	3,164.31	8.66	8.00	-146.35	277.67	507.78	909.05	892.98	16.07	56.562	
3,400.00	3,364.22	3,286.40	3,260.51	8.88	8.18	-146.40	281.72	520.24	933.02	916.59	16.43	56.780	
3,500.00	3,462.99	3,383.48	3,356.70	9.10	8.36	-146.45	285.77	532.71	956.99	940.18	16.81	56.938	
3,600.00	3,561.75	3,480.56	3,452.89	9.32	8.56	-146.50	289.82	545.18	980.96	963.76	17.20	57.042	
3,700.00	3,660.52	3,577.65	3,549.08	9.56	8.75	-146.55	293.87	557.64	1,004.93	987.33	17.60	57.100	
3,800.00	3,759.28	3,674.73	3,645.28	9.80	8.96	-146.59	297.93	570.11	1,028.90	1,010.89	18.01	57.117	
3,900.00	3,858.05	3,771.81	3,741.47	10.05	9.16	-146.63	301.98	582.58	1,052.87	1,034.43	18.44	57.098	
4,000.00	3,956.82	3,868.89	3,837.66	10.30	9.38	-146.68	306.03	595.04	1,076.85	1,057.97	18.88	57.048	
4,100.00	4,055.58	3,965.97	3,933.85	10.56	9.60	-146.71	310.08	607.51	1,100.82	1,081.50	19.32	56.971	
4,200.00	4,154.35	4,063.05	4,030.05	10.82	9.82	-146.75	314.13	619.98	1,124.79	1,105.01	19.78	56.872	
4,300.00	4,253.11	4,160.14	4,126.24	11.08	10.05	-146.79	318.18	632.44	1,148.76	1,128.52	20.24	56.753	
4,400.00	4,351.88	4,257.22	4,222.43	11.35	10.28	-146.82	322.23	644.91	1,172.74	1,152.03	20.71	56.619	
4,500.00	4,450.65	4,354.30	4,318.62	11.63	10.51	-146.85	326.28	657.38	1,196.71	1,175.52	21.19	56.470	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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
0.00	0.00	1.00	-1.00	3.28	3.28	36.44	201.10	148.50	249.98				
100.00	100.00	101.00	99.00	3.28	3.28	36.44	201.10	148.50	249.98	242.45	7.53	33.203	
200.00	200.00	199.00	199.00	3.31	3.30	36.44	201.10	148.50	249.98	242.41	7.57	33.007	CC, ES, SF
300.00	299.98	291.65	291.63	3.34	3.34	-147.23	201.80	149.78	252.89	245.24	7.65	33.046	
400.00	399.84	383.75	383.63	3.40	3.41	-147.31	203.94	153.66	261.65	253.88	7.77	33.678	
500.00	499.45	474.92	474.50	3.49	3.49	-147.41	207.47	160.04	276.21	268.28	7.93	34.835	
600.00	598.70	564.72	563.73	3.60	3.58	-147.51	212.30	168.80	296.49	288.36	8.13	36.461	
700.00	697.53	656.54	654.65	3.75	3.71	-147.75	218.50	180.03	321.79	313.41	8.38	38.388	
800.00	796.30	753.05	750.14	3.93	3.87	-148.09	225.25	192.26	347.92	339.25	8.68	40.103	
900.00	895.07	849.55	845.63	4.14	4.05	-148.38	232.00	204.48	374.06	365.06	9.00	41.549	
1,000.00	993.83	946.06	941.13	4.37	4.25	-148.63	238.75	216.71	400.20	390.84	9.36	42.739	
1,100.00	1,092.60	1,042.57	1,036.62	4.61	4.46	-148.85	245.50	228.93	426.36	416.60	9.75	43.711	
1,200.00	1,191.37	1,139.08	1,132.11	4.88	4.69	-149.05	252.25	241.16	452.51	442.34	10.17	44.497	
1,300.00	1,290.13	1,235.58	1,227.60	5.15	4.94	-149.23	259.00	253.38	478.68	468.07	10.61	45.124	
1,400.00	1,388.90	1,332.09	1,323.09	5.44	5.19	-149.38	265.74	265.61	504.84	493.78	11.06	45.629	
1,500.00	1,487.66	1,428.60	1,418.58	5.74	5.45	-149.52	272.49	277.83	531.01	519.47	11.54	46.025	
1,600.00	1,586.43	1,525.11	1,514.08	6.04	5.72	-149.65	279.24	290.06	557.18	545.16	12.03	46.332	
1,700.00	1,685.20	1,621.61	1,609.57	6.36	6.00	-149.77	285.99	302.29	583.36	570.83	12.53	46.568	
1,800.00	1,783.96	1,718.12	1,705.06	6.68	6.28	-149.88	292.74	314.51	609.53	596.49	13.04	46.747	
1,900.00	1,882.73	1,814.63	1,800.55	6.85	6.55	-149.97	299.49	326.74	635.71	622.67	13.04	48.736	
2,000.00	1,981.49	1,911.13	1,896.04	6.89	6.69	-150.06	306.24	338.96	661.89	648.70	13.19	50.185	
2,100.00	2,080.26	2,007.64	1,991.53	6.94	6.73	-150.15	312.99	351.19	688.07	674.82	13.25	51.938	
2,200.00	2,179.03	2,104.15	2,087.03	7.01	6.77	-150.22	319.74	363.41	714.25	700.92	13.34	53.561	
2,300.00	2,277.79	2,200.66	2,182.52	7.09	6.83	-150.30	326.49	375.64	740.44	726.98	13.45	55.048	
2,400.00	2,376.56	2,302.84	2,278.01	7.19	6.91	-150.36	333.23	387.87	766.62	753.02	13.60	56.378	
2,500.00	2,475.32	2,406.33	2,373.50	7.31	7.00	-150.43	339.98	400.09	792.80	779.03	13.77	57.558	
2,600.00	2,574.09	2,490.18	2,468.99	7.44	7.09	-150.48	346.73	412.32	818.99	805.03	13.96	58.675	
2,700.00	2,672.86	2,586.69	2,564.48	7.58	7.20	-150.54	353.48	424.54	845.18	831.00	14.18	59.616	
2,800.00	2,771.62	2,683.19	2,659.98	7.73	7.32	-150.59	360.23	436.77	871.36	856.95	14.42	60.431	
2,900.00	2,870.39	2,779.70	2,755.47	7.90	7.45	-150.64	366.98	448.99	897.55	882.87	14.68	61.128	
3,000.00	2,969.16	2,876.21	2,850.96	8.07	7.59	-150.68	373.73	461.22	923.74	908.77	14.97	61.715	
3,100.00	3,067.92	2,972.72	2,946.45	8.26	7.74	-150.73	380.48	473.44	949.93	934.66	15.27	62.200	
3,200.00	3,166.69	3,069.22	3,041.94	8.46	7.90	-150.77	387.23	485.67	976.12	960.53	15.59	62.593	
3,300.00	3,265.45	3,165.73	3,137.43	8.66	8.07	-150.81	393.98	497.90	1,002.31	986.38	15.93	62.902	
3,400.00	3,364.22	3,262.24	3,232.93	8.88	8.25	-150.84	400.72	510.12	1,028.50	1,012.21	16.29	63.135	
3,500.00	3,462.99	3,358.74	3,328.42	9.10	8.43	-150.88	407.47	522.35	1,054.69	1,038.03	16.66	63.301	
3,600.00	3,561.75	3,455.25	3,423.91	9.32	8.62	-150.91	414.22	534.57	1,080.88	1,063.84	17.05	63.408	
3,700.00	3,660.52	3,551.76	3,519.40	9.56	8.82	-150.94	420.97	546.80	1,107.07	1,089.63	17.44	63.462	
3,800.00	3,759.28	3,648.27	3,614.89	9.80	9.03	-150.97	427.72	559.02	1,133.26	1,115.41	17.85	63.471	
3,900.00	3,858.05	3,744.77	3,710.38	10.05	9.23	-151.00	434.47	571.25	1,159.46	1,141.18	18.28	63.439	
4,000.00	3,956.82	3,841.28	3,805.88	10.30	9.45	-151.03	441.22	583.48	1,185.65	1,166.94	18.71	63.373	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	74.74	40.81	149.61	155.08				
100.00	100.00	101.00	99.00	3.28	3.28	74.74	40.81	149.61	155.08	147.55	7.53	20.598	
200.00	200.00	199.00	199.00	3.31	3.30	74.74	40.81	149.61	155.08	147.51	7.57	20.476	CC, ES
300.00	299.98	295.96	295.95	3.34	3.34	-108.98	39.79	150.86	156.61	148.95	7.65	20.468	
400.00	399.84	392.76	392.61	3.40	3.40	-109.19	36.70	154.63	161.22	153.46	7.76	20.767	
500.00	499.45	489.28	488.79	3.49	3.48	-109.49	31.56	160.91	168.93	161.00	7.93	21.315	
600.00	598.70	585.39	584.23	3.60	3.59	-109.85	24.41	169.64	179.71	171.56	8.14	22.068	
700.00	697.53	681.69	679.43	3.75	3.73	-110.27	15.26	180.83	193.35	184.93	8.42	22.951	
800.00	796.30	780.64	777.10	3.93	3.91	-110.63	5.20	193.12	207.75	198.98	8.77	23.691	
900.00	895.07	879.59	874.76	4.14	4.12	-110.95	-4.87	205.42	222.16	212.99	9.16	24.245	
1,000.00	993.83	978.54	972.43	4.37	4.35	-111.22	-14.93	217.71	236.57	226.97	9.60	24.643	
1,100.00	1,092.60	1,077.49	1,070.09	4.61	4.60	-111.47	-24.99	230.01	250.98	240.91	10.07	24.917	
1,200.00	1,191.37	1,176.44	1,167.76	4.88	4.86	-111.69	-35.06	242.30	265.40	254.83	10.58	25.093	
1,300.00	1,290.13	1,275.39	1,265.43	5.15	5.14	-111.88	-45.12	254.60	279.83	268.72	11.11	25.193	
1,400.00	1,388.90	1,374.34	1,363.09	5.44	5.43	-112.06	-55.18	266.89	294.25	282.59	11.66	25.237	
1,500.00	1,487.66	1,473.29	1,460.76	5.74	5.73	-112.22	-65.25	279.19	308.68	296.45	12.23	25.235	
1,600.00	1,586.43	1,572.24	1,558.43	6.04	6.04	-112.36	-75.31	291.48	323.11	310.29	12.82	25.202	
1,700.00	1,685.20	1,671.19	1,656.09	6.36	6.36	-112.49	-85.37	303.78	337.54	324.12	13.42	25.145	
1,800.00	1,783.96	1,770.14	1,753.76	6.68	6.68	-112.62	-95.44	316.07	351.98	337.94	14.04	25.072	
1,900.00	1,882.73	1,869.09	1,851.42	6.85	6.90	-112.73	-105.50	328.37	366.41	352.38	14.04	26.102	
2,000.00	1,981.49	1,968.04	1,949.09	6.89	6.98	-112.83	-115.56	340.66	380.85	366.70	14.15	26.921	
2,100.00	2,080.26	2,066.99	2,046.76	6.94	7.03	-112.93	-125.63	352.96	395.29	381.05	14.24	27.757	
2,200.00	2,179.03	2,165.94	2,144.42	7.01	7.09	-113.02	-135.69	365.25	409.73	395.36	14.37	28.520	
2,300.00	2,277.79	2,264.89	2,242.09	7.09	7.17	-113.10	-145.75	377.55	424.17	409.64	14.52	29.208	
2,400.00	2,376.56	2,363.84	2,339.76	7.19	7.27	-113.18	-155.82	389.84	438.61	423.90	14.71	29.822	
2,500.00	2,475.32	2,462.79	2,437.42	7.31	7.37	-113.25	-165.88	402.14	453.05	438.13	14.92	30.362	
2,600.00	2,574.09	2,561.74	2,535.09	7.44	7.49	-113.32	-175.94	414.43	467.49	452.33	15.16	30.831	
2,700.00	2,672.86	2,660.69	2,632.75	7.58	7.63	-113.39	-186.01	426.73	481.93	466.50	15.43	31.233	
2,800.00	2,771.62	2,759.64	2,730.42	7.73	7.77	-113.45	-196.07	439.02	496.38	480.65	15.72	31.573	
2,900.00	2,870.39	2,858.59	2,828.09	7.90	7.93	-113.50	-206.13	451.32	510.82	494.78	16.04	31.854	
3,000.00	2,969.16	2,957.54	2,925.75	8.07	8.10	-113.56	-216.20	463.61	525.26	508.89	16.37	32.082	
3,100.00	3,067.92	3,056.49	3,023.42	8.26	8.28	-113.61	-226.26	475.91	539.71	522.98	16.73	32.261	
3,200.00	3,166.69	3,155.44	3,121.09	8.46	8.47	-113.66	-236.32	488.21	554.15	537.05	17.11	32.396	
3,300.00	3,265.45	3,254.39	3,218.75	8.66	8.67	-113.70	-246.39	500.50	568.60	551.10	17.50	32.492	
3,400.00	3,364.22	3,353.34	3,316.42	8.88	8.87	-113.75	-256.45	512.80	583.04	565.13	17.91	32.555	
3,500.00	3,462.99	3,452.29	3,414.08	9.10	9.09	-113.79	-266.51	525.09	597.49	579.15	18.34	32.586	
3,600.00	3,561.75	3,551.24	3,511.75	9.32	9.31	-113.83	-276.58	537.39	611.94	593.16	18.78	32.592	
3,700.00	3,660.52	3,650.19	3,609.42	9.56	9.54	-113.87	-286.64	549.68	626.38	607.15	19.23	32.574	
3,800.00	3,759.28	3,749.14	3,707.08	9.80	9.77	-113.90	-296.70	561.98	640.83	621.13	19.70	32.537	
3,900.00	3,858.05	3,848.09	3,804.75	10.05	10.01	-113.94	-306.77	574.27	655.28	635.10	20.17	32.483	
4,000.00	3,956.82	3,947.04	3,902.41	10.30	10.26	-113.97	-316.83	586.57	669.72	649.06	20.66	32.415	
4,100.00	4,055.58	4,045.99	4,000.08	10.56	10.51	-114.00	-326.90	598.86	684.17	663.01	21.16	32.335	
4,200.00	4,154.35	4,144.94	4,097.75	10.82	10.76	-114.03	-336.96	611.16	698.62	676.95	21.67	32.244	
4,300.00	4,253.11	4,243.89	4,195.41	11.08	11.02	-114.06	-347.02	623.45	713.07	690.89	22.18	32.146	
4,400.00	4,351.88	4,342.84	4,293.08	11.35	11.29	-114.09	-357.09	635.75	727.52	704.81	22.71	32.040	
4,500.00	4,450.65	4,441.79	4,390.75	11.63	11.55	-114.12	-367.15	648.04	741.96	718.73	23.24	31.929	
4,600.00	4,549.41	4,540.74	4,488.41	11.90	11.82	-114.14	-377.21	660.34	756.41	732.64	23.78	31.814	
4,700.00	4,648.18	4,639.69	4,586.08	12.18	12.10	-114.17	-387.28	672.63	770.86	746.54	24.32	31.695	
4,800.00	4,746.95	4,738.64	4,683.74	12.47	12.38	-114.19	-397.34	684.93	785.31	760.44	24.87	31.574	
4,900.00	4,845.71	4,837.59	4,781.41	12.75	12.66	-114.21	-407.40	697.22	799.76	774.33	25.43	31.451	
5,000.00	4,944.48	4,936.54	4,879.08	13.04	12.94	-114.24	-417.47	709.52	814.21	788.22	25.99	31.327	
5,100.00	5,043.24	5,035.49	4,976.74	13.33	13.23	-114.26	-427.53	721.81	828.66	802.10	26.56	31.203	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
5,200.00	5,142.01	5,134.44	5,074.41	13.62	13.51	-114.28	-437.59	734.11	843.11	815.98	27.13	31.078		
5,300.00	5,240.78	5,233.39	5,172.08	13.92	13.80	-114.30	-447.66	746.40	857.55	829.85	27.70	30.954		
5,400.00	5,339.54	5,332.34	5,269.74	14.22	14.10	-114.32	-457.72	758.70	872.00	843.72	28.28	30.830		
5,500.00	5,438.31	5,431.29	5,367.41	14.52	14.39	-114.34	-467.78	770.99	886.45	857.59	28.87	30.708		
5,600.00	5,537.07	5,530.24	5,465.07	14.82	14.69	-114.35	-477.85	783.29	900.90	871.45	29.45	30.586		
5,700.00	5,635.84	5,629.19	5,562.74	15.12	14.98	-114.37	-487.91	795.58	915.35	885.31	30.05	30.466		
5,800.00	5,734.61	5,728.14	5,660.41	15.42	15.28	-114.39	-497.97	807.88	929.80	899.16	30.64	30.347		
5,900.00	5,833.37	5,827.09	5,758.07	15.73	15.59	-114.41	-508.04	820.18	944.25	913.02	31.24	30.230		
6,000.00	5,932.14	5,926.04	5,855.74	16.04	15.89	-114.42	-518.10	832.47	958.70	926.87	31.84	30.115		
6,100.00	6,030.90	6,024.99	5,953.41	16.34	16.19	-114.44	-528.16	844.77	973.15	940.71	32.44	30.001		
6,200.00	6,129.67	6,123.94	6,051.07	16.65	16.50	-114.45	-538.23	857.06	987.60	954.56	33.04	29.889		
6,300.00	6,228.44	7,945.74	7,168.55	16.96	20.69	177.97	-649.71	-56.12	978.68	948.59	30.09	32.526		
6,400.00	6,327.20	7,946.85	7,168.55	17.28	20.70	177.81	-649.71	-57.23	888.99	858.29	30.70	28.957		
6,500.00	6,425.97	7,947.96	7,168.56	17.59	20.71	177.66	-649.70	-58.34	801.75	770.33	31.42	25.520		
6,600.00	6,524.73	7,949.07	7,168.56	17.90	20.72	178.02	-649.70	-59.45	717.84	685.57	32.27	22.246		
6,700.00	6,623.16	7,942.15	7,168.55	18.15	20.65	-146.45	-649.72	-52.53	638.80	605.58	33.22	19.229		
6,800.00	6,719.30	7,919.73	7,168.51	18.41	20.45	-133.28	-649.80	-30.11	567.81	533.60	34.22	16.595		
6,900.00	6,810.79	7,882.36	7,168.45	18.65	20.13	-127.08	-649.92	7.26	508.34	473.14	35.20	14.443		
7,000.00	6,895.36	7,830.96	7,168.36	18.89	19.73	-121.61	-650.09	58.66	463.04	427.01	36.04	12.850		
7,100.00	6,970.94	7,766.79	7,168.25	19.11	19.27	-115.48	-650.30	122.83	432.90	396.32	36.58	11.833		
7,200.00	7,035.67	7,708.57	7,168.13	19.33	18.91	-108.73	-650.55	198.19	416.50	379.60	36.90	11.288		
7,300.00	7,087.95	7,606.37	7,167.96	19.55	18.48	-102.03	-650.83	283.25	410.33	373.55	36.78	11.156		
7,357.20	7,111.75	7,553.64	7,165.20	19.69	18.36	-98.25	-650.73	335.89	409.59	372.82	36.77	11.140 SF		
7,400.00	7,126.50	7,515.49	7,160.50	19.81	18.30	-95.51	-650.38	373.74	409.99	373.26	36.73	11.162		
7,500.00	7,150.36	7,430.05	7,141.88	20.16	18.24	-89.49	-648.76	457.05	413.85	377.20	36.65	11.292		
7,600.00	7,158.95	7,348.85	7,114.05	20.66	18.23	-84.04	-646.16	533.23	421.08	384.54	36.54	11.523		
7,700.00	7,159.22	7,273.77	7,079.94	21.32	18.24	-79.47	-642.90	599.98	433.06	396.68	36.38	11.902		
7,800.00	7,159.47	7,207.88	7,043.73	22.13	18.25	-74.88	-639.37	654.89	453.47	417.38	36.09	12.564		
7,900.00	7,159.72	7,150.00	7,007.42	23.06	18.26	-70.55	-635.80	699.79	483.58	447.84	35.74	13.529		
8,000.00	7,159.98	7,100.00	6,972.90	24.08	18.27	-66.69	-632.39	735.78	523.57	488.14	35.43	14.777		
8,100.00	7,160.23	7,059.06	6,942.61	25.19	18.27	-63.53	-629.37	763.15	572.75	537.53	35.23	16.259		
8,200.00	7,160.48	7,022.44	6,914.09	26.36	18.27	-60.74	-626.53	785.93	629.99	594.86	35.13	17.933		
8,300.00	7,160.74	6,990.72	6,888.36	27.58	18.27	-58.37	-623.95	804.30	694.00	658.88	35.13	19.757		
8,400.00	7,160.99	6,963.10	6,865.24	28.85	18.26	-56.37	-621.63	819.23	763.60	728.41	35.19	21.698		
8,500.00	7,161.24	6,938.92	6,844.49	30.16	18.26	-54.66	-619.54	831.47	837.76	802.46	35.30	23.731		
8,600.00	7,161.50	6,917.63	6,825.86	31.50	18.25	-53.20	-617.67	841.57	915.63	880.20	35.44	25.839		
8,700.00	7,161.75	6,900.00	6,810.17	32.88	18.24	-52.02	-616.08	849.47	996.54	960.95	35.59	28.003		
8,800.00	7,162.00	6,882.02	6,793.96	34.28	18.23	-50.85	-614.45	857.06	1,079.93	1,044.20	35.73	30.224		
8,900.00	7,162.25	6,867.03	6,780.28	35.71	18.23	-49.90	-613.06	863.04	1,165.38	1,129.50	35.88	32.481		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	67.87	60.84	149.61	161.51				
100.00	100.00	101.00	99.00	3.28	3.28	67.87	60.84	149.61	161.51	153.98	7.53	21.452	
200.00	200.00	199.00	199.00	3.31	3.30	67.87	60.84	149.61	161.51	153.94	7.57	21.326	CC, ES
300.00	299.98	295.63	295.61	3.34	3.34	-115.84	60.05	151.00	163.29	155.64	7.65	21.342	
400.00	399.84	392.04	391.89	3.40	3.40	-116.00	57.66	155.21	168.68	160.91	7.76	21.723	
500.00	499.45	488.08	487.59	3.49	3.49	-116.22	53.69	162.20	177.65	169.73	7.93	22.411	
600.00	598.70	583.56	582.42	3.60	3.59	-116.48	48.18	171.91	190.20	182.05	8.14	23.355	
700.00	697.53	681.41	679.29	3.75	3.73	-117.02	41.38	183.87	205.54	197.11	8.43	24.392	
800.00	796.30	780.15	777.04	3.93	3.90	-117.68	34.48	196.03	221.16	212.40	8.76	25.248	
900.00	895.07	878.89	874.78	4.14	4.10	-118.26	27.57	208.18	236.81	227.67	9.14	25.914	
1,000.00	993.83	977.63	972.53	4.37	4.31	-118.77	20.66	220.34	252.48	242.92	9.56	26.421	
1,100.00	1,092.60	1,076.37	1,070.27	4.61	4.54	-119.22	13.76	232.50	268.17	258.16	10.01	26.795	
1,200.00	1,191.37	1,175.11	1,168.02	4.88	4.79	-119.62	6.85	244.65	283.87	273.38	10.49	27.064	
1,300.00	1,290.13	1,273.85	1,265.77	5.15	5.05	-119.97	-0.05	256.81	299.58	288.59	10.99	27.248	
1,400.00	1,388.90	1,372.60	1,363.51	5.44	5.32	-120.29	-6.96	268.97	315.31	303.79	11.52	27.367	
1,500.00	1,487.66	1,471.34	1,461.26	5.74	5.60	-120.59	-13.86	281.12	331.04	318.97	12.07	27.433	
1,600.00	1,586.43	1,570.08	1,559.01	6.04	5.89	-120.85	-20.77	293.28	346.78	334.15	12.63	27.461	
1,700.00	1,685.20	1,668.82	1,656.75	6.36	6.18	-121.09	-27.68	305.43	362.53	349.33	13.20	27.459	
1,800.00	1,783.96	1,767.56	1,754.50	6.68	6.48	-121.31	-34.58	317.59	378.28	364.49	13.79	27.434	
1,900.00	1,882.73	1,866.30	1,852.25	6.85	6.69	-121.52	-41.49	329.75	394.04	380.27	13.77	28.611	
2,000.00	1,981.49	1,965.04	1,949.99	6.89	6.77	-121.70	-48.39	341.90	409.80	395.93	13.88	29.533	
2,100.00	2,080.26	2,063.78	2,047.74	6.94	6.81	-121.88	-55.30	354.06	425.57	411.61	13.96	30.481	
2,200.00	2,179.03	2,162.53	2,145.49	7.01	6.87	-122.04	-62.20	366.22	441.34	427.26	14.08	31.349	
2,300.00	2,277.79	2,261.27	2,243.23	7.09	6.94	-122.19	-69.11	378.37	457.11	442.89	14.22	32.137	
2,400.00	2,376.56	2,360.01	2,340.98	7.19	7.02	-122.33	-76.02	390.53	472.89	458.49	14.40	32.843	
2,500.00	2,475.32	2,458.75	2,438.73	7.31	7.12	-122.46	-82.92	402.69	488.67	474.07	14.60	33.469	
2,600.00	2,574.09	2,557.49	2,536.47	7.44	7.23	-122.58	-89.83	414.84	504.45	489.62	14.83	34.017	
2,700.00	2,672.86	2,656.23	2,634.22	7.58	7.36	-122.70	-96.73	427.00	520.23	505.15	15.08	34.490	
2,800.00	2,771.62	2,754.97	2,731.97	7.73	7.49	-122.81	-103.64	439.16	536.01	520.65	15.36	34.894	
2,900.00	2,870.39	2,853.72	2,829.71	7.90	7.64	-122.91	-110.54	451.31	551.80	536.14	15.66	35.232	
3,000.00	2,969.16	2,952.46	2,927.46	8.07	7.80	-123.01	-117.45	463.47	567.59	551.61	15.98	35.511	
3,100.00	3,067.92	3,051.20	3,025.21	8.26	7.97	-123.10	-124.36	475.63	583.38	567.05	16.33	35.735	
3,200.00	3,166.69	3,149.94	3,122.95	8.46	8.14	-123.19	-131.26	487.78	599.17	582.49	16.69	35.909	
3,300.00	3,265.45	3,248.68	3,220.70	8.66	8.33	-123.27	-138.17	499.94	614.96	597.90	17.06	36.040	
3,400.00	3,364.22	3,347.42	3,318.45	8.88	8.52	-123.35	-145.07	512.09	630.76	613.30	17.46	36.130	
3,500.00	3,462.99	3,446.16	3,416.19	9.10	8.72	-123.42	-151.98	524.25	646.55	628.68	17.87	36.186	
3,600.00	3,561.75	3,544.91	3,513.94	9.32	8.93	-123.49	-158.88	536.41	662.35	644.06	18.29	36.212	
3,700.00	3,660.52	3,643.65	3,611.68	9.56	9.15	-123.56	-165.79	548.56	678.14	659.42	18.73	36.211	
3,800.00	3,759.28	3,742.39	3,709.43	9.80	9.37	-123.62	-172.70	560.72	693.94	674.77	19.18	36.187	
3,900.00	3,858.05	3,841.13	3,807.18	10.05	9.59	-123.69	-179.60	572.88	709.74	690.10	19.64	36.143	
4,000.00	3,956.82	3,939.87	3,904.92	10.30	9.83	-123.75	-186.51	585.03	725.54	705.43	20.11	36.082	
4,100.00	4,055.58	4,038.61	4,002.67	10.56	10.06	-123.80	-193.41	597.19	741.34	720.75	20.59	36.007	
4,200.00	4,154.35	4,137.35	4,100.42	10.82	10.30	-123.86	-200.32	609.35	757.14	736.06	21.08	35.920	
4,300.00	4,253.11	4,236.09	4,198.16	11.08	10.55	-123.91	-207.22	621.50	772.94	751.36	21.58	35.823	
4,400.00	4,351.88	4,334.84	4,295.91	11.35	10.80	-123.96	-214.13	633.66	788.74	766.66	22.08	35.717	
4,500.00	4,450.65	4,433.58	4,393.66	11.63	11.05	-124.01	-221.04	645.82	804.55	781.95	22.60	35.604	
4,600.00	4,549.41	4,532.32	4,491.40	11.90	11.31	-124.05	-227.94	657.97	820.35	797.23	23.12	35.486	
4,700.00	4,648.18	4,631.06	4,589.15	12.18	11.57	-124.10	-234.85	670.13	836.15	812.51	23.64	35.364	
4,800.00	4,746.95	4,729.80	4,686.90	12.47	11.83	-124.14	-241.75	682.29	851.96	827.78	24.18	35.238	
4,900.00	4,845.71	4,828.54	4,784.64	12.75	12.10	-124.18	-248.66	694.44	867.76	843.04	24.72	35.109	
5,000.00	4,944.48	4,927.28	4,882.39	13.04	12.37	-124.22	-255.57	706.60	883.57	858.31	25.26	34.979	
5,100.00	5,043.24	5,026.03	4,980.14	13.33	12.64	-124.26	-262.47	718.75	899.37	873.56	25.81	34.848	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
5,200.00	5,142.01	5,124.77	5,077.88	13.62	12.91	-124.29	-269.38	730.91	915.18	888.81	26.36	34.716		
5,300.00	5,240.78	5,223.51	5,175.63	13.92	13.19	-124.33	-276.28	743.07	930.98	904.06	26.92	34.584		
5,400.00	5,339.54	5,322.25	5,273.38	14.22	13.47	-124.36	-283.19	755.22	946.79	919.31	27.48	34.453		
5,500.00	5,438.31	5,420.99	5,371.12	14.52	13.75	-124.40	-290.09	767.38	962.59	934.55	28.05	34.322		
5,600.00	5,537.07	5,519.73	5,468.87	14.82	14.03	-124.43	-297.00	779.54	978.40	949.79	28.62	34.192		
5,700.00	5,635.84	5,618.47	5,566.62	15.12	14.31	-124.46	-303.91	791.69	994.21	965.02	29.19	34.063		
5,800.00	5,734.61	5,717.21	5,664.36	15.42	14.60	-124.49	-310.81	803.85	1,010.02	980.25	29.76	33.936		
5,900.00	5,833.37	5,815.96	5,762.11	15.73	14.88	-124.52	-317.72	816.01	1,025.82	995.48	30.34	33.810		
6,000.00	5,932.14	5,914.70	5,859.85	16.04	15.17	-124.55	-324.62	828.16	1,041.63	1,010.71	30.92	33.685		
6,100.00	6,030.90	6,013.44	5,957.60	16.34	15.46	-124.58	-331.53	840.32	1,057.44	1,025.93	31.51	33.563		
6,200.00	6,129.67	6,112.18	6,055.35	16.65	15.75	-124.60	-338.43	852.48	1,073.25	1,041.16	32.09	33.442		
6,300.00	6,228.44	6,210.92	6,153.09	16.96	16.04	-124.63	-345.34	864.63	1,089.06	1,056.38	32.68	33.323		
6,400.00	6,327.20	6,309.45	6,242.92	17.28	20.59	177.18	-420.34	-58.83	1,050.75	1,018.90	31.84	32.996		
6,500.00	6,425.97	6,407.39	6,342.92	17.59	20.60	177.10	-420.34	-59.77	974.19	941.57	32.62	29.866		
6,600.00	6,524.73	6,505.33	6,442.92	17.90	20.61	177.58	-420.33	-60.71	902.23	868.75	33.48	26.948		
6,700.00	6,623.50	6,603.25	6,542.92	18.15	20.54	-143.51	-420.35	-53.63	836.24	801.90	34.34	24.349		
6,800.00	6,719.30	6,700.00	6,642.92	18.41	20.35	-128.71	-420.39	-31.05	778.67	743.54	35.13	22.166		
6,900.00	6,810.79	6,793.14	6,742.93	18.65	20.03	-122.27	-420.46	6.48	731.68	695.91	35.77	20.456		
7,000.00	6,895.36	6,878.41	6,824.95	18.89	19.74	-117.63	-420.56	58.03	696.33	660.01	36.33	19.169		
7,100.00	6,970.94	6,952.29	6,904.96	19.11	19.15	-113.14	-420.68	122.33	672.35	635.91	36.44	18.452		
7,200.00	7,035.67	7,017.82	6,964.98	19.33	18.68	-108.60	-420.83	197.80	658.10	621.59	36.52	18.021		
7,300.00	7,087.95	7,066.38	7,024.99	19.55	18.26	-104.28	-420.99	283.24	651.07	614.53	36.54	17.819		
7,400.00	7,126.50	7,103.83	7,064.19	19.81	17.93	-99.72	-420.56	385.30	647.61	610.98	36.63	17.679		
7,500.00	7,150.36	7,129.22	7,091.68	20.16	17.75	-95.57	-419.15	477.09	646.22	609.36	36.85	17.534		
7,518.66	7,153.13	7,132.30	7,096.23	20.24	17.73	-94.85	-418.80	493.10	646.18	609.27	36.91	17.507		
7,600.00	7,158.95	7,138.02	7,101.60	20.66	17.68	-91.84	-416.97	558.96	646.79	609.64	37.16	17.407		
7,700.00	7,159.22	7,138.58	7,103.04	21.32	17.64	-88.32	-414.32	628.67	650.32	612.86	37.47	17.358 SF		
7,800.00	7,159.47	7,138.71	7,098.35	22.13	17.64	-84.75	-411.56	684.11	659.57	621.87	37.70	17.494		
7,900.00	7,159.72	7,138.26	7,059.29	23.06	17.64	-81.39	-408.89	727.48	676.25	638.42	37.83	17.877		
8,000.00	7,159.98	7,138.82	7,023.27	24.08	17.64	-78.36	-406.42	761.24	701.39	663.53	37.86	18.528		
8,100.00	7,160.23	7,081.92	6,990.78	25.19	17.63	-75.71	-404.18	787.59	735.27	697.45	37.82	19.443		
8,200.00	7,160.48	7,050.00	6,964.90	26.36	17.63	-73.65	-402.39	806.19	777.59	739.84	37.75	20.599		
8,300.00	7,160.74	7,015.72	6,936.11	27.58	17.62	-71.43	-400.40	824.69	827.62	789.96	37.65	21.979		
8,400.00	7,160.99	6,989.38	6,913.34	28.85	17.62	-69.72	-398.82	837.83	884.51	846.93	37.58	23.539		
8,500.00	7,161.24	6,966.51	6,893.15	30.16	17.61	-68.24	-397.42	848.47	947.31	909.80	37.51	25.254		
8,600.00	7,161.50	6,950.00	6,878.34	31.50	17.61	-67.17	-396.39	855.69	1,015.16	977.68	37.47	27.090		
8,700.00	7,161.75	6,928.91	6,859.16	32.88	17.60	-65.83	-395.06	864.36	1,087.23	1,049.80	37.43	29.044		
8,800.00	7,162.00	6,913.32	6,844.80	34.28	17.59	-64.84	-394.06	870.35	1,162.89	1,125.47	37.42	31.079		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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							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	111.45	-59.01	150.17	161.35					
100.00	100.00	101.00	99.00	3.28	3.28	111.45	-59.01	150.17	161.35	153.82	7.53	21.430		
200.00	200.00	201.00	199.00	3.31	3.31	111.45	-59.01	150.17	161.35	153.77	7.57	21.302		
288.27	288.26	285.78	285.78	3.34	3.34	-72.60	-59.21	150.27	161.11	153.47	7.64	21.081 CC		
300.00	299.98	297.03	297.03	3.34	3.35	-72.68	-59.35	150.34	161.12	153.47	7.65	21.053 ES		
400.00	399.84	393.03	392.97	3.40	3.40	-73.60	-62.20	151.76	162.03	154.27	7.76	20.883		
500.00	499.45	489.01	488.73	3.49	3.48	-74.82	-67.92	154.62	164.45	156.54	7.91	20.791		
600.00	598.70	584.93	584.16	3.60	3.57	-76.29	-76.51	158.90	168.43	160.32	8.11	20.763		
700.00	697.53	680.75	679.13	3.75	3.70	-77.88	-87.93	164.59	174.13	165.76	8.38	20.791		
800.00	796.30	776.47	773.51	3.93	3.87	-78.78	-102.18	171.70	182.07	173.37	8.70	20.934		
900.00	895.07	871.88	867.01	4.14	4.07	-78.87	-119.18	180.17	192.20	183.12	9.07	21.182		
1,000.00	993.83	966.78	959.32	4.37	4.32	-78.28	-138.84	189.97	204.50	195.00	9.50	21.528		
1,100.00	1,092.60	1,061.33	1,050.53	4.61	4.61	-77.14	-161.13	201.09	219.02	209.05	9.97	21.973		
1,200.00	1,191.37	1,159.98	1,145.32	4.88	4.97	-75.85	-185.58	213.28	234.57	224.06	10.51	22.316		
1,300.00	1,290.13	1,258.63	1,240.11	5.15	5.35	-74.71	-210.04	225.47	250.24	239.15	11.09	22.570		
1,400.00	1,388.90	1,357.28	1,334.91	5.44	5.75	-73.72	-234.49	237.67	265.98	254.29	11.69	22.754		
1,500.00	1,487.66	1,455.94	1,429.70	5.74	6.17	-72.83	-258.94	249.86	281.80	269.49	12.31	22.892		
1,600.00	1,586.43	1,554.59	1,524.49	6.04	6.61	-72.04	-283.40	262.05	297.67	284.72	12.95	22.982		
1,700.00	1,685.20	1,653.24	1,619.28	6.36	7.06	-71.33	-307.85	274.24	313.59	299.98	13.61	23.044		
1,800.00	1,783.96	1,751.90	1,714.08	6.68	7.52	-70.68	-332.31	286.44	329.56	315.28	14.28	23.084		
1,900.00	1,882.73	1,850.55	1,808.87	6.85	7.87	-70.10	-356.76	298.63	345.56	331.23	14.34	24.106		
2,000.00	1,981.49	1,949.20	1,903.66	6.89	8.04	-69.57	-381.21	310.82	361.60	347.12	14.48	24.978		
2,100.00	2,080.26	2,047.85	1,998.46	6.94	8.12	-69.08	-405.67	323.01	377.66	363.10	14.56	25.932		
2,200.00	2,179.03	2,146.51	2,093.25	7.01	8.22	-68.64	-430.12	335.20	393.75	379.06	14.69	26.808		
2,300.00	2,277.79	2,245.16	2,188.04	7.09	8.34	-68.22	-454.57	347.40	409.86	395.01	14.85	27.603		
2,400.00	2,376.56	2,343.81	2,282.84	7.19	8.49	-67.84	-479.03	359.59	425.98	410.94	15.04	28.315		
2,500.00	2,475.32	2,442.46	2,377.63	7.31	8.65	-67.49	-503.48	371.78	442.13	426.86	15.27	28.948		
2,600.00	2,574.09	2,541.12	2,472.42	7.44	8.83	-67.16	-527.94	383.97	458.29	442.75	15.53	29.502		
2,700.00	2,672.86	2,639.77	2,567.22	7.58	9.03	-66.86	-552.39	396.17	474.46	458.64	15.83	29.981		
2,800.00	2,771.62	2,738.42	2,662.01	7.73	9.25	-66.57	-576.84	408.36	490.65	474.50	16.14	30.391		
2,900.00	2,870.39	2,837.08	2,756.80	7.90	9.48	-66.30	-601.30	420.55	506.85	490.36	16.49	30.737		
3,000.00	2,969.16	2,935.73	2,851.59	8.07	9.72	-66.05	-625.75	432.74	523.05	506.19	16.86	31.023		
3,100.00	3,067.92	3,034.38	2,946.39	8.26	9.98	-65.82	-650.21	444.94	539.27	522.02	17.25	31.256		
3,200.00	3,166.69	3,133.03	3,041.18	8.46	10.25	-65.59	-674.66	457.13	555.49	537.83	17.67	31.442		
3,300.00	3,265.45	3,231.69	3,135.97	8.66	10.53	-65.39	-699.11	469.32	571.73	553.63	18.10	31.584		
3,400.00	3,364.22	3,330.34	3,230.77	8.88	10.82	-65.19	-723.57	481.51	587.97	569.41	18.55	31.690		
3,500.00	3,462.99	3,428.99	3,325.56	9.10	11.12	-65.00	-748.02	493.71	604.21	585.19	19.02	31.762		
3,600.00	3,561.75	3,527.65	3,420.35	9.32	11.43	-64.82	-772.47	505.90	620.46	600.96	19.51	31.806		
3,700.00	3,660.52	3,626.30	3,515.15	9.56	11.74	-64.65	-796.93	518.09	636.72	616.71	20.01	31.825		
3,800.00	3,759.28	3,724.95	3,609.94	9.80	12.06	-64.49	-821.38	530.28	652.98	632.46	20.52	31.822		
3,900.00	3,858.05	3,823.60	3,704.73	10.05	12.40	-64.34	-845.84	542.48	669.25	648.21	21.04	31.802		
4,000.00	3,956.82	3,922.26	3,799.53	10.30	12.73	-64.20	-870.29	554.67	685.52	663.94	21.58	31.765		
4,100.00	4,055.58	4,020.91	3,894.32	10.56	13.07	-64.06	-894.74	566.86	701.80	679.67	22.13	31.716		
4,200.00	4,154.35	4,119.56	3,989.11	10.82	13.42	-63.93	-919.20	579.05	718.08	695.39	22.68	31.656		
4,300.00	4,253.11	4,218.22	4,083.91	11.08	13.77	-63.80	-943.65	591.25	734.36	711.11	23.25	31.587		
4,400.00	4,351.88	4,316.87	4,178.70	11.35	14.13	-63.68	-968.10	603.44	750.65	726.82	23.82	31.510		
4,500.00	4,450.65	4,415.52	4,273.49	11.63	14.49	-63.56	-992.56	615.63	766.94	742.53	24.40	31.427		
4,600.00	4,549.41	4,514.17	4,368.28	11.90	14.86	-63.45	-1,017.01	627.82	783.23	758.24	24.99	31.339		
4,700.00	4,648.18	4,612.83	4,463.08	12.18	15.23	-63.35	-1,041.47	640.02	799.52	773.94	25.59	31.247		
4,800.00	4,746.95	4,711.48	4,557.87	12.47	15.60	-63.25	-1,065.92	652.21	815.82	789.63	26.19	31.152		
4,900.00	4,845.71	4,810.13	4,652.66	12.75	15.98	-63.15	-1,090.37	664.40	832.12	805.33	26.80	31.055		
5,000.00	4,944.48	4,908.79	4,747.46	13.04	16.35	-63.05	-1,114.83	676.59	848.42	821.02	27.41	30.956		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						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	5,043.24	5,007.44	4,842.25	13.33	16.74	-62.96	-1,139.28	688.78	864.73	836.70	28.02	30.856		
5,200.00	5,142.01	5,106.09	4,937.04	13.62	17.12	-62.88	-1,163.74	700.98	881.03	852.39	28.65	30.755		
5,300.00	5,240.78	5,204.74	5,031.84	13.92	17.50	-62.79	-1,188.19	713.17	897.34	868.07	29.27	30.654		
5,400.00	5,339.54	5,303.40	5,126.63	14.22	17.89	-62.71	-1,212.64	725.36	913.65	883.75	29.90	30.553		
5,500.00	5,438.31	5,402.05	5,221.42	14.52	18.28	-62.63	-1,237.10	737.55	929.97	899.43	30.54	30.453		
5,600.00	5,537.07	5,500.70	5,316.22	14.82	18.68	-62.56	-1,261.55	749.75	946.28	915.10	31.18	30.353		
5,700.00	5,635.84	5,600.65	5,411.01	15.12	19.08	-62.48	-1,286.00	761.94	962.59	930.77	31.82	30.250		
5,800.00	5,734.61	5,701.99	5,505.80	15.42	19.48	-62.41	-1,310.46	774.13	978.91	946.43	32.48	30.143		
5,900.00	5,833.37	5,803.34	5,600.60	15.73	19.89	-62.34	-1,334.91	786.32	995.23	962.10	33.13	30.038		
6,000.00	5,932.14	5,904.69	5,695.39	16.04	20.30	-62.28	-1,359.37	798.52	1,011.55	977.76	33.79	29.934		
6,100.00	6,030.90	6,006.03	5,790.18	16.34	20.71	-62.21	-1,383.82	810.71	1,027.87	993.41	34.46	29.832		
6,200.00	6,129.67	6,107.38	5,884.97	16.65	21.12	-62.15	-1,408.27	822.90	1,044.19	1,009.07	35.12	29.732		
6,300.00	6,228.44	6,208.73	5,979.77	16.96	21.54	-62.09	-1,432.73	835.09	1,060.51	1,024.72	35.79	29.633		
6,400.00	6,327.20	6,289.92	6,074.56	17.28	21.87	-62.03	-1,457.18	847.29	1,076.84	1,040.45	36.38	29.596		
6,500.00	6,425.97	8,113.45	7,168.46	17.59	24.51	-4.32	-1,737.25	-60.83	1,083.21	1,051.55	31.66	34.217		
6,600.00	6,524.73	8,114.56	7,168.46	17.90	24.51	-3.44	-1,737.25	-61.94	1,005.91	973.36	32.56	30.899		
6,700.00	6,623.16	8,107.65	7,168.45	18.15	24.49	51.68	-1,737.26	-55.02	933.20	899.68	33.52	27.838		
6,800.00	6,719.30	8,085.23	7,168.42	18.41	24.42	76.78	-1,737.30	-32.60	867.42	832.92	34.51	25.137		
6,900.00	6,810.79	8,047.86	7,168.37	18.65	24.34	88.20	-1,737.36	4.77	810.81	775.34	35.47	22.860		
7,000.00	6,895.36	8,003.55	7,168.30	18.89	24.30	93.48	-1,737.45	56.17	764.83	728.45	36.38	21.022		
7,100.00	6,970.94	7,932.28	7,168.20	19.11	24.27	95.37	-1,737.55	120.34	729.90	692.75	37.14	19.652		
7,200.00	7,035.67	7,856.93	7,168.10	19.33	24.29	95.24	-1,737.68	195.70	705.32	667.49	37.83	18.645		
7,300.00	7,087.95	7,764.05	7,167.63	19.55	24.37	93.71	-1,737.75	288.57	689.44	651.06	38.38	17.963		
7,400.00	7,126.50	7,631.65	7,149.99	19.81	24.49	89.87	-1,733.46	419.49	676.61	637.76	38.85	17.415		
7,500.00	7,150.36	7,516.96	7,113.80	20.16	24.56	85.94	-1,724.36	527.77	665.48	625.87	39.61	16.803		
7,600.00	7,158.95	7,415.29	7,066.45	20.66	24.59	81.94	-1,712.34	616.81	657.09	616.55	40.53	16.211		
7,700.00	7,159.22	7,327.87	7,015.21	21.32	24.59	77.33	-1,699.27	686.33	652.30	610.65	41.65	15.661		
7,732.34	7,159.30	7,303.37	6,999.23	21.57	24.58	75.88	-1,695.19	704.46	651.94	609.87	42.07	15.498		
7,800.00	7,159.47	7,257.36	6,967.47	22.13	24.56	72.99	-1,687.07	736.71	653.71	610.75	42.97	15.215		
7,900.00	7,159.72	7,200.60	6,925.30	23.06	24.53	69.19	-1,676.28	773.11	663.78	619.39	44.39	14.953		
8,000.00	7,159.98	7,154.60	6,888.93	24.08	24.49	65.96	-1,666.96	799.68	683.85	638.03	45.81	14.927 SF		
8,100.00	7,160.23	7,116.93	6,857.83	25.19	24.45	63.24	-1,658.98	819.37	714.22	667.09	47.13	15.154		
8,200.00	7,160.48	7,085.73	6,831.25	26.36	24.42	60.96	-1,652.16	834.22	754.43	706.17	48.27	15.630		
8,300.00	7,160.74	7,059.57	6,808.45	27.58	24.38	59.04	-1,646.31	845.62	803.51	754.31	49.19	16.334		
8,400.00	7,160.99	7,037.40	6,788.78	28.85	24.35	57.42	-1,641.26	854.51	860.27	810.36	49.91	17.236		
8,500.00	7,161.24	7,018.41	6,771.70	30.16	24.32	56.03	-1,636.87	861.57	923.55	873.10	50.45	18.307		
8,600.00	7,161.50	7,000.00	6,754.97	31.50	24.30	54.69	-1,632.57	867.90	992.25	941.43	50.82	19.526		
8,700.00	7,161.75	6,987.67	6,743.65	32.88	24.28	53.80	-1,629.66	871.87	1,065.42	1,014.31	51.11	20.845		
8,800.00	7,162.00	6,975.08	6,732.04	34.28	24.25	52.90	-1,626.68	875.68	1,142.31	1,091.01	51.30	22.267		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	104.55	-38.98	150.17	155.15				
100.00	100.00	101.00	99.00	3.28	3.28	104.55	-38.98	150.17	155.15	147.62	7.53	20.607	
200.00	200.00	199.00	199.00	3.31	3.30	104.55	-38.98	150.17	155.15	147.57	7.57	20.485	CC, ES
300.00	299.98	295.39	295.37	3.34	3.34	-79.27	-40.36	150.96	155.97	148.32	7.65	20.390	
400.00	399.84	391.69	391.55	3.40	3.40	-79.76	-44.55	153.34	158.48	150.72	7.76	20.432	
500.00	499.45	487.90	487.41	3.49	3.48	-80.53	-51.54	157.32	162.71	154.80	7.91	20.568	
600.00	598.70	583.94	582.80	3.60	3.58	-81.53	-61.30	162.88	168.68	160.56	8.12	20.773	
700.00	697.53	679.80	677.56	3.75	3.72	-82.66	-73.81	170.00	176.49	168.10	8.39	21.029	
800.00	796.30	775.41	771.55	3.93	3.91	-83.12	-89.03	178.66	186.44	177.71	8.73	21.363	
900.00	895.07	870.59	864.48	4.14	4.13	-82.82	-106.87	188.82	198.50	189.39	9.12	21.773	
1,000.00	993.83	967.50	958.47	4.37	4.40	-81.97	-127.40	200.51	212.42	202.85	9.57	22.198	
1,100.00	1,092.60	1,066.43	1,054.33	4.61	4.72	-81.14	-148.67	212.61	226.63	216.55	10.08	22.480	
1,200.00	1,191.37	1,165.37	1,150.19	4.88	5.06	-80.40	-169.93	224.72	240.88	230.25	10.63	22.660	
1,300.00	1,290.13	1,264.30	1,246.05	5.15	5.43	-79.75	-191.20	236.82	255.17	243.96	11.21	22.763	
1,400.00	1,388.90	1,363.24	1,341.91	5.44	5.81	-79.17	-212.47	248.93	269.48	257.67	11.81	22.816	
1,500.00	1,487.66	1,462.17	1,437.77	5.74	6.21	-78.64	-233.73	261.03	283.82	271.39	12.44	22.820	
1,600.00	1,586.43	1,561.11	1,533.63	6.04	6.61	-78.17	-255.00	273.14	298.18	285.10	13.08	22.797	
1,700.00	1,685.20	1,660.04	1,629.50	6.36	7.03	-77.74	-276.26	285.25	312.56	298.83	13.74	22.753	
1,800.00	1,783.96	1,758.98	1,725.36	6.68	7.46	-77.35	-297.53	297.35	326.96	312.55	14.41	22.695	
1,900.00	1,882.73	1,857.91	1,821.22	6.85	7.78	-76.99	-318.80	309.46	341.36	326.91	14.46	23.615	
2,000.00	1,981.49	1,956.85	1,917.08	6.89	7.92	-76.66	-340.06	321.56	355.79	341.19	14.59	24.384	
2,100.00	2,080.26	2,055.78	2,012.94	6.94	7.99	-76.35	-361.33	333.67	370.22	355.53	14.69	25.209	
2,200.00	2,179.03	2,154.72	2,108.80	7.01	8.08	-76.07	-382.59	345.77	384.66	369.84	14.82	25.960	
2,300.00	2,277.79	2,253.65	2,204.66	7.09	8.19	-75.81	-403.86	357.88	399.11	384.12	14.98	26.638	
2,400.00	2,376.56	2,352.59	2,300.52	7.19	8.32	-75.57	-425.13	369.99	413.56	398.38	15.18	27.241	
2,500.00	2,475.32	2,451.52	2,396.38	7.31	8.47	-75.34	-446.39	382.09	428.03	412.61	15.41	27.772	
2,600.00	2,574.09	2,550.46	2,492.24	7.44	8.63	-75.13	-467.66	394.20	442.49	426.82	15.67	28.232	
2,700.00	2,672.86	2,649.39	2,588.10	7.58	8.82	-74.93	-488.93	406.30	456.97	441.01	15.96	28.626	
2,800.00	2,771.62	2,748.33	2,683.97	7.73	9.01	-74.74	-510.19	418.41	471.45	455.17	16.28	28.958	
2,900.00	2,870.39	2,847.26	2,779.83	7.90	9.22	-74.57	-531.46	430.51	485.93	469.31	16.62	29.232	
3,000.00	2,969.16	2,946.20	2,875.69	8.07	9.44	-74.40	-552.72	442.62	500.42	483.43	16.99	29.455	
3,100.00	3,067.92	3,045.13	2,971.55	8.26	9.68	-74.25	-573.99	454.72	514.91	497.54	17.38	29.630	
3,200.00	3,166.69	3,144.07	3,067.41	8.46	9.92	-74.10	-595.26	466.83	529.41	511.62	17.79	29.763	
3,300.00	3,265.45	3,243.00	3,163.27	8.66	10.18	-73.96	-616.52	478.94	543.91	525.69	18.22	29.859	
3,400.00	3,364.22	3,341.94	3,259.13	8.88	10.45	-73.83	-637.79	491.04	558.41	539.75	18.66	29.922	
3,500.00	3,462.99	3,440.87	3,354.99	9.10	10.72	-73.70	-659.05	503.15	572.92	553.79	19.13	29.956	
3,600.00	3,561.75	3,539.81	3,450.85	9.32	11.00	-73.58	-680.32	515.25	587.43	567.82	19.60	29.965	
3,700.00	3,660.52	3,638.74	3,546.71	9.56	11.30	-73.47	-701.59	527.36	601.94	581.84	20.10	29.953	
3,800.00	3,759.28	3,737.68	3,642.57	9.80	11.59	-73.36	-722.85	539.46	616.45	595.85	20.60	29.923	
3,900.00	3,858.05	3,836.61	3,738.43	10.05	11.90	-73.26	-744.12	551.57	630.96	609.84	21.12	29.876	
4,000.00	3,956.82	3,935.55	3,834.30	10.30	12.21	-73.16	-765.39	563.67	645.48	623.83	21.65	29.817	
4,100.00	4,055.58	4,034.48	3,930.16	10.56	12.53	-73.07	-786.65	575.78	660.00	637.81	22.19	29.746	
4,200.00	4,154.35	4,133.42	4,026.02	10.82	12.85	-72.98	-807.92	587.89	674.51	651.78	22.74	29.667	
4,300.00	4,253.11	4,232.35	4,121.88	11.08	13.17	-72.89	-829.18	599.99	689.04	665.74	23.29	29.580	
4,400.00	4,351.88	4,331.29	4,217.74	11.35	13.50	-72.81	-850.45	612.10	703.56	679.70	23.86	29.486	
4,500.00	4,450.65	4,430.22	4,313.60	11.63	13.84	-72.73	-871.72	624.20	718.08	693.65	24.43	29.388	
4,600.00	4,549.41	4,529.15	4,409.46	11.90	14.18	-72.65	-892.98	636.31	732.61	707.59	25.02	29.286	
4,700.00	4,648.18	4,628.09	4,505.32	12.18	14.52	-72.58	-914.25	648.41	747.13	721.53	25.60	29.182	
4,800.00	4,746.95	4,727.02	4,601.18	12.47	14.87	-72.51	-935.51	660.52	761.66	735.47	26.20	29.075	
4,900.00	4,845.71	4,825.96	4,697.04	12.75	15.22	-72.44	-956.78	672.62	776.19	749.39	26.80	28.966	
5,000.00	4,944.48	4,924.89	4,792.90	13.04	15.57	-72.38	-978.05	684.73	790.72	763.32	27.40	28.857	
5,100.00	5,043.24	5,023.83	4,888.77	13.33	15.92	-72.31	-999.31	696.84	805.25	777.24	28.01	28.747	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	
5,200.00	5,142.01	5,122.76	4,984.63	13.62	16.28	-72.25	-1,020.58	708.94	819.78	791.16	28.63	28.637	
5,300.00	5,240.78	5,221.70	5,080.49	13.92	16.64	-72.19	-1,041.85	721.05	834.32	805.07	29.25	28.528	
5,400.00	5,339.54	5,320.63	5,176.35	14.22	17.00	-72.14	-1,063.11	733.15	848.85	818.98	29.87	28.419	
5,500.00	5,438.31	5,419.57	5,272.21	14.52	17.36	-72.08	-1,084.38	745.26	863.38	832.89	30.50	28.312	
5,600.00	5,537.07	5,518.50	5,368.07	14.82	17.73	-72.03	-1,105.64	757.36	877.92	846.79	31.13	28.205	
5,700.00	5,635.84	5,617.44	5,463.93	15.12	18.10	-71.98	-1,126.91	769.47	892.45	860.69	31.76	28.099	
5,800.00	5,734.61	5,716.37	5,559.79	15.42	18.47	-71.93	-1,148.18	781.58	906.99	874.59	32.40	27.995	
5,900.00	5,833.37	5,815.31	5,655.65	15.73	18.84	-71.88	-1,169.44	793.68	921.53	888.49	33.04	27.893	
6,000.00	5,932.14	5,914.24	5,751.51	16.04	19.21	-71.83	-1,190.71	805.79	936.06	902.38	33.68	27.792	
6,100.00	6,030.90	6,013.18	5,847.37	16.34	19.58	-71.79	-1,211.97	817.89	950.60	916.27	34.33	27.692	
6,200.00	6,129.67	6,112.11	5,943.24	16.65	19.96	-71.74	-1,233.24	830.00	965.14	930.16	34.98	27.595	
6,300.00	6,228.44	6,211.05	6,039.10	16.96	20.34	-71.70	-1,254.51	842.10	979.68	944.05	35.63	27.499	
6,400.00	6,327.20	6,309.98	6,134.96	17.28	20.71	-71.66	-1,275.77	854.21	994.22	957.94	36.28	27.404	
6,500.00	6,425.97	8,142.53	7,237.57	17.59	23.24	-4.50	-1,518.71	-62.67	992.14	961.98	30.16	32.895	
6,600.00	6,524.73	8,143.37	7,237.57	17.90	23.24	-3.53	-1,518.71	-63.51	903.34	872.58	30.76	29.366	
6,700.00	6,623.16	8,136.19	7,237.58	18.15	23.20	56.74	-1,518.73	-56.33	817.46	786.03	31.43	26.010	
6,800.00	6,719.30	8,113.51	7,237.60	18.41	23.06	84.95	-1,518.77	-33.65	737.00	704.87	32.13	22.935	
6,900.00	6,810.79	8,075.89	7,237.65	18.65	22.89	98.00	-1,518.84	3.97	664.71	631.80	32.90	20.202	
7,000.00	6,895.36	8,024.25	7,237.72	18.89	22.78	104.04	-1,518.93	55.61	602.90	569.18	33.72	17.877	
7,100.00	6,970.94	7,959.88	7,237.80	19.11	22.76	106.16	-1,519.05	119.98	553.14	518.54	34.59	15.990	
7,200.00	7,035.67	7,884.34	7,237.90	19.33	22.80	105.88	-1,519.20	195.52	515.83	480.37	35.46	14.546	
7,300.00	7,087.95	7,794.49	7,237.89	19.55	22.88	104.02	-1,519.33	285.37	490.09	453.83	36.27	13.513	
7,400.00	7,126.50	7,661.06	7,221.84	19.81	23.02	98.84	-1,515.99	417.54	469.24	432.27	36.98	12.690	
7,500.00	7,150.36	7,545.27	7,186.39	20.16	23.11	93.29	-1,508.30	527.34	451.13	413.08	38.05	11.856	
7,600.00	7,158.95	7,442.53	7,139.14	20.66	23.16	87.47	-1,497.97	617.86	437.67	398.37	39.30	11.137	
7,700.00	7,159.22	7,354.10	7,087.54	21.32	23.17	80.52	-1,486.65	688.68	429.86	389.14	40.72	10.556	
7,739.90	7,159.32	7,323.74	7,067.67	21.63	23.17	77.80	-1,482.28	711.22	429.03	387.68	41.35	10.374	
7,800.00	7,159.47	7,282.70	7,039.20	22.13	23.16	73.91	-1,476.01	740.09	431.15	388.85	42.30	10.192	
7,900.00	7,159.72	7,225.20	6,996.38	23.06	23.14	68.13	-1,466.58	777.26	445.24	401.39	43.85	10.153 SF	
8,000.00	7,159.98	7,178.60	6,959.39	24.08	23.11	63.29	-1,458.43	804.38	473.53	428.36	45.18	10.481	
8,100.00	7,160.23	7,140.46	6,927.74	25.19	23.08	59.30	-1,451.44	824.47	515.33	469.15	46.17	11.160	
8,200.00	7,160.48	7,108.88	6,900.68	26.36	23.05	56.03	-1,445.47	839.61	568.69	521.84	46.85	12.139	
8,300.00	7,160.74	7,082.42	6,877.46	27.58	23.02	53.34	-1,440.34	851.23	631.35	584.09	47.26	13.359	
8,400.00	7,160.99	7,060.00	6,857.44	28.85	23.00	51.11	-1,435.92	860.29	701.25	653.76	47.50	14.764	
8,500.00	7,161.24	7,050.00	6,848.41	30.16	22.99	50.13	-1,433.92	864.09	776.83	729.11	47.72	16.278	
8,600.00	7,161.50	7,024.22	6,824.87	31.50	22.95	47.65	-1,428.72	873.24	856.48	808.82	47.66	17.971	
8,700.00	7,161.75	7,000.00	6,802.45	32.88	22.92	45.40	-1,423.76	880.93	939.68	892.12	47.56	19.756	
8,800.00	7,162.00	7,000.00	6,802.45	34.28	22.92	45.40	-1,423.76	880.93	1,025.27	977.60	47.67	21.509	
8,900.00	7,162.25	6,985.80	6,789.18	35.71	22.89	44.12	-1,420.83	885.03	1,113.03	1,065.42	47.61	23.380	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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							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	-40.07	0.00	40.07					
100.00	100.00	100.00	100.00	3.28	3.28	-180.00	-40.07	0.00	40.07	32.54	7.53	5.322		
200.00	200.00	200.00	200.00	3.31	3.31	-180.00	-40.07	0.00	40.07	32.49	7.57	5.290		
300.00	299.98	298.62	298.60	3.34	3.34	-3.69	-41.76	-0.08	40.05	32.40	7.65	5.235		
400.00	399.84	397.25	397.09	3.40	3.40	-3.79	-46.85	-0.34	39.98	32.23	7.75	5.158		
500.00	499.45	495.87	495.35	3.49	3.49	-3.98	-55.31	-0.76	39.87	31.98	7.89	5.053		
600.00	598.70	594.51	593.26	3.60	3.59	-4.23	-67.16	-1.35	39.71	31.64	8.06	4.924		
610.62	609.22	604.98	603.64	3.61	3.61	-4.26	-68.61	-1.42	39.70	31.61	8.09	4.910 CC		
700.00	697.53	693.14	690.71	3.75	3.74	-4.51	-82.36	-2.11	39.94	31.66	8.28	4.823		
800.00	796.30	791.67	787.47	3.93	3.93	-4.53	-100.88	-3.03	43.15	34.62	8.53	5.056		
900.00	895.07	891.05	884.56	4.14	4.16	-4.34	-122.08	-4.08	48.95	40.09	8.86	5.527		
1,000.00	993.83	1,009.13	982.05	4.37	4.47	-4.18	-143.52	-5.15	54.90	45.64	9.27	5.925		
1,100.00	1,092.60	1,109.30	1,079.53	4.61	4.77	-4.06	-164.96	-6.22	60.86	51.18	9.67	6.291		
1,200.00	1,191.37	1,190.52	1,177.02	4.88	5.02	-3.95	-186.41	-7.29	66.81	56.74	10.06	6.638		
1,300.00	1,290.13	1,290.34	1,274.50	5.15	5.35	-3.87	-207.85	-8.35	72.76	62.24	10.52	6.917		
1,400.00	1,388.90	1,409.84	1,371.99	5.44	5.76	-3.79	-229.29	-9.42	78.71	67.67	11.04	7.128		
1,500.00	1,487.66	1,489.99	1,469.48	5.74	6.05	-3.73	-250.73	-10.49	84.67	73.18	11.48	7.372		
1,600.00	1,586.43	1,589.81	1,566.96	6.04	6.41	-3.67	-272.18	-11.56	90.62	78.63	11.99	7.557		
1,700.00	1,685.20	1,689.63	1,664.45	6.36	6.78	-3.63	-293.62	-12.62	96.57	84.06	12.51	7.718		
1,800.00	1,783.96	1,789.45	1,761.94	6.68	7.16	-3.58	-315.06	-13.69	102.53	89.48	13.04	7.860		
1,900.00	1,882.73	1,889.28	1,859.42	6.85	7.39	-3.54	-336.51	-14.76	108.48	95.53	12.95	8.377		
2,000.00	1,981.49	1,989.10	1,956.91	6.89	7.46	-3.51	-357.95	-15.83	114.43	101.43	13.00	8.804		
2,100.00	2,080.26	2,088.92	2,054.40	6.94	7.53	-3.48	-379.39	-16.89	120.39	107.32	13.06	9.217		
2,200.00	2,179.03	2,188.74	2,151.88	7.01	7.62	-3.45	-400.83	-17.96	126.34	113.18	13.16	9.602		
2,300.00	2,277.79	2,288.57	2,249.37	7.09	7.73	-3.43	-422.28	-19.03	132.29	119.01	13.29	9.958		
2,400.00	2,376.56	2,388.39	2,346.86	7.19	7.85	-3.40	-443.72	-20.10	138.24	124.80	13.44	10.283		
2,500.00	2,475.32	2,488.21	2,444.34	7.31	7.99	-3.38	-465.16	-21.16	144.20	130.57	13.63	10.578		
2,600.00	2,574.09	2,588.03	2,541.83	7.44	8.15	-3.36	-486.61	-22.23	150.15	136.30	13.85	10.843		
2,700.00	2,672.86	2,687.86	2,639.32	7.58	8.32	-3.35	-508.05	-23.30	156.10	142.01	14.09	11.079		
2,800.00	2,771.62	2,787.68	2,736.80	7.73	8.50	-3.33	-529.49	-24.36	162.06	147.70	14.36	11.286		
2,900.00	2,870.39	2,887.50	2,834.29	7.90	8.70	-3.31	-550.94	-25.43	168.01	153.36	14.65	11.467		
3,000.00	2,969.16	2,987.33	2,931.78	8.07	8.91	-3.30	-572.38	-26.50	173.97	159.00	14.97	11.624		
3,100.00	3,067.92	3,087.15	3,029.26	8.26	9.13	-3.29	-593.82	-27.57	179.92	164.62	15.30	11.758		
3,200.00	3,166.69	3,186.97	3,126.75	8.46	9.36	-3.27	-615.26	-28.63	185.87	170.21	15.66	11.871		
3,300.00	3,265.45	3,286.79	3,224.23	8.66	9.60	-3.26	-636.71	-29.70	191.83	175.79	16.03	11.966		
3,400.00	3,364.22	3,386.62	3,321.72	8.88	9.85	-3.25	-658.15	-30.77	197.78	181.36	16.42	12.043		
3,500.00	3,462.99	3,486.44	3,419.21	9.10	10.11	-3.24	-679.59	-31.84	203.73	186.90	16.83	12.106		
3,600.00	3,561.75	3,586.26	3,516.69	9.32	10.37	-3.23	-701.04	-32.90	209.69	192.44	17.25	12.156		
3,700.00	3,660.52	3,686.08	3,614.18	9.56	10.65	-3.22	-722.48	-33.97	215.64	197.95	17.68	12.194		
3,800.00	3,759.28	3,785.91	3,711.67	9.80	10.93	-3.21	-743.92	-35.04	221.59	203.46	18.13	12.221		
3,900.00	3,858.05	3,885.73	3,809.15	10.05	11.21	-3.20	-765.36	-36.11	227.55	208.96	18.59	12.240		
4,000.00	3,956.82	3,985.55	3,906.64	10.30	11.50	-3.19	-786.81	-37.17	233.50	214.44	19.06	12.251		
4,100.00	4,055.58	4,085.37	4,004.13	10.56	11.80	-3.19	-808.25	-38.24	239.45	219.91	19.54	12.255		
4,200.00	4,154.35	4,185.20	4,101.61	10.82	12.10	-3.18	-829.69	-39.31	245.41	225.38	20.03	12.253		
4,300.00	4,253.11	4,285.02	4,199.10	11.08	12.41	-3.17	-851.14	-40.38	251.36	230.83	20.53	12.246		
4,400.00	4,351.88	4,384.84	4,296.59	11.35	12.71	-3.17	-872.58	-41.44	257.31	236.28	21.03	12.235		
4,500.00	4,450.65	4,484.66	4,394.07	11.63	13.03	-3.16	-894.02	-42.51	263.27	241.72	21.54	12.220		
4,600.00	4,549.41	4,584.49	4,491.56	11.90	13.35	-3.15	-915.46	-43.58	269.22	247.16	22.06	12.203		
4,700.00	4,648.18	4,684.31	4,589.05	12.18	13.67	-3.15	-936.91	-44.65	275.17	252.59	22.59	12.182		
4,800.00	4,746.95	4,784.13	4,686.53	12.47	13.99	-3.14	-958.35	-45.71	281.13	258.01	23.12	12.160		
4,900.00	4,845.71	4,883.96	4,784.02	12.75	14.32	-3.14	-979.79	-46.78	287.08	263.42	23.66	12.135		
5,000.00	4,944.48	4,983.78	4,881.51	13.04	14.65	-3.13	-1,001.24	-47.85	293.03	268.84	24.20	12.110		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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								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	5,043.24	5,083.60	4,978.99	13.33	14.98	-3.13	-1,022.68	-48.92	298.99	274.24	24.75	12.083		
5,200.00	5,142.01	5,183.42	5,076.48	13.62	15.31	-3.12	-1,044.12	-49.98	304.94	279.64	25.30	12.055		
5,300.00	5,240.78	5,283.25	5,173.96	13.92	15.65	-3.12	-1,065.57	-51.05	310.90	285.04	25.85	12.026		
5,400.00	5,339.54	5,383.07	5,271.45	14.22	15.99	-3.11	-1,087.01	-52.12	316.85	290.44	26.41	11.997		
5,500.00	5,438.31	5,482.89	5,368.94	14.52	16.33	-3.11	-1,108.45	-53.19	322.80	295.83	26.97	11.967		
5,600.00	5,537.07	5,582.71	5,466.42	14.82	16.67	-3.11	-1,129.89	-54.25	328.76	301.21	27.54	11.937		
5,700.00	5,635.84	5,682.54	5,563.91	15.12	17.02	-3.10	-1,151.34	-55.32	334.71	306.60	28.11	11.907		
5,800.00	5,734.61	5,782.36	5,661.40	15.42	17.36	-3.10	-1,172.78	-56.39	340.66	311.98	28.68	11.877		
5,900.00	5,833.37	5,882.18	5,758.88	15.73	17.71	-3.10	-1,194.22	-57.46	346.62	317.36	29.26	11.847		
6,000.00	5,932.14	5,982.00	5,856.37	16.04	18.06	-3.09	-1,215.67	-58.52	352.57	322.73	29.84	11.817		
6,100.00	6,030.90	6,081.83	5,953.86	16.34	18.41	-3.09	-1,237.11	-59.59	358.52	328.11	30.42	11.787		
6,200.00	6,129.67	6,181.65	6,051.34	16.65	18.76	-3.09	-1,258.55	-60.66	364.48	333.48	31.00	11.757		
6,300.00	6,228.44	6,281.47	6,148.83	16.96	19.11	-3.08	-1,279.99	-61.73	370.43	338.84	31.59	11.728		
6,400.00	6,327.20	6,381.29	6,246.32	17.28	19.47	-3.08	-1,301.44	-62.79	376.38	344.21	32.17	11.699		
6,500.00	6,425.97	6,481.12	6,343.80	17.59	19.82	-3.08	-1,322.88	-63.86	382.34	349.58	32.76	11.670		
6,600.00	6,524.73	6,580.94	6,441.29	17.90	20.18	-2.42	-1,344.32	-64.93	388.29	354.94	33.35	11.642		
6,700.00	6,623.16	6,680.45	6,538.48	18.15	20.53	44.39	-1,365.70	-65.95	394.40	360.51	33.89	11.636		
6,800.00	6,719.30	6,782.02	6,637.23	18.41	20.83	65.09	-1,387.45	-67.73	400.98	366.57	34.40	11.655		
6,900.00	6,810.79	6,886.08	6,735.76	18.65	21.12	74.73	-1,409.20	-62.76	407.83	372.91	34.92	11.679		
7,000.00	6,895.36	6,992.72	6,831.22	18.89	21.42	80.29	-1,430.32	9.52	414.71	379.27	35.44	11.701		
7,100.00	6,970.94	7,101.92	6,920.43	19.11	21.70	83.93	-1,450.12	69.07	421.32	385.33	35.99	11.707		
7,200.00	7,035.67	7,213.57	6,999.98	19.33	21.98	86.44	-1,467.84	145.16	427.37	390.78	36.59	11.679		
7,300.00	7,087.95	7,327.38	7,066.45	19.55	22.25	88.17	-1,482.73	236.15	432.57	395.26	37.31	11.594		
7,400.00	7,126.50	7,442.97	7,116.68	19.81	22.54	89.30	-1,494.09	339.45	436.65	398.46	38.19	11.434		
7,500.00	7,150.36	7,559.78	7,148.09	20.16	22.87	89.89	-1,501.33	451.56	439.41	400.13	39.28	11.187		
7,600.00	7,158.95	7,677.19	7,159.00	20.66	23.32	90.01	-1,504.07	568.26	440.72	400.13	40.59	10.857		
7,700.00	7,159.22	7,777.61	7,158.88	21.32	23.82	89.96	-1,504.33	668.68	441.28	399.07	42.21	10.454		
7,800.00	7,159.47	7,877.60	7,158.77	22.13	24.47	89.91	-1,504.60	768.67	441.84	397.82	44.03	10.036		
7,900.00	7,159.72	7,977.60	7,158.65	23.06	25.25	89.86	-1,504.87	868.67	442.41	396.39	46.01	9.615		
8,000.00	7,159.98	8,077.60	7,158.53	24.08	26.14	89.81	-1,505.14	968.67	442.97	394.81	48.15	9.199		
8,100.00	7,160.23	8,177.60	7,158.41	25.19	27.13	89.77	-1,505.40	1,068.66	443.53	393.10	50.43	8.795		
8,200.00	7,160.48	8,277.59	7,158.29	26.36	28.19	89.72	-1,505.67	1,168.66	444.09	391.27	52.82	8.408		
8,300.00	7,160.74	8,377.59	7,158.17	27.58	29.32	89.67	-1,505.94	1,268.66	444.66	389.35	55.31	8.039		
8,400.00	7,160.99	8,477.59	7,158.05	28.85	30.50	89.62	-1,506.20	1,368.66	445.22	387.33	57.89	7.691		
8,500.00	7,161.24	8,577.59	7,157.94	30.16	31.74	89.58	-1,506.47	1,468.65	445.78	385.24	60.54	7.363		
8,600.00	7,161.50	8,677.58	7,157.82	31.50	33.01	89.53	-1,506.74	1,568.65	446.35	383.08	63.26	7.055		
8,700.00	7,161.75	8,777.58	7,157.70	32.88	34.32	89.48	-1,507.00	1,668.65	446.91	380.87	66.04	6.767		
8,800.00	7,162.00	8,877.58	7,157.58	34.28	35.67	89.43	-1,507.27	1,768.65	447.48	378.60	68.87	6.497		
8,900.00	7,162.25	8,977.58	7,157.46	35.71	37.04	89.39	-1,507.54	1,868.64	448.04	376.29	71.75	6.244		
9,000.00	7,162.51	9,077.58	7,157.34	37.15	38.44	89.34	-1,507.80	1,968.64	448.61	373.94	74.67	6.008		
9,100.00	7,162.76	9,177.57	7,157.22	38.62	39.85	89.29	-1,508.07	2,068.64	449.17	371.56	77.62	5.787		
9,200.00	7,163.01	9,277.57	7,157.10	40.10	41.29	89.25	-1,508.34	2,168.64	449.74	369.14	80.60	5.580		
9,300.00	7,163.27	9,377.57	7,156.99	41.59	42.75	89.20	-1,508.60	2,268.63	450.30	366.70	83.61	5.386		
9,400.00	7,163.52	9,477.57	7,156.87	43.10	44.22	89.16	-1,508.87	2,368.63	450.87	364.23	86.64	5.204		
9,500.00	7,163.77	9,577.56	7,156.75	44.62	45.70	89.11	-1,509.14	2,468.63	451.44	361.74	89.70	5.033		
9,600.00	7,164.03	9,677.56	7,156.63	46.15	47.20	89.06	-1,509.40	2,568.62	452.00	359.23	92.78	4.872		
9,700.00	7,164.28	9,777.56	7,156.51	47.69	48.71	89.02	-1,509.67	2,668.62	452.57	356.70	95.87	4.721		
9,800.00	7,164.53	9,877.56	7,156.39	49.24	50.22	88.97	-1,509.94	2,768.62	453.14	354.15	98.98	4.578		
9,900.00	7,164.79	9,977.56	7,156.27	50.79	51.75	88.93	-1,510.20	2,868.62	453.70	351.60	102.11	4.443		
10,000.00	7,165.04	10,077.55	7,156.16	52.36	53.29	88.88	-1,510.47	2,968.61	454.27	349.02	105.25	4.316		
10,100.00	7,165.29	10,177.55	7,156.04	53.93	54.84	88.83	-1,510.74	3,068.61	454.84	346.44	108.40	4.196		
10,200.00	7,165.54	10,277.55	7,155.92	55.50	56.39	88.79	-1,511.00	3,168.61	455.41	343.84	111.57	4.082		

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						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	7,165.80	10,377.55	7,155.80	57.08	57.95	88.74	-1,511.27	3,268.61	455.98	341.24	114.74	3.974		
10,400.00	7,166.05	10,477.54	7,155.68	58.67	59.51	88.70	-1,511.54	3,368.60	456.55	338.62	117.92	3.872		
10,500.00	7,166.30	10,577.54	7,155.56	60.26	61.08	88.65	-1,511.80	3,468.60	457.12	336.00	121.12	3.774		
10,600.00	7,166.56	10,677.54	7,155.44	61.85	62.66	88.61	-1,512.07	3,568.60	457.69	333.37	124.32	3.682		
10,700.00	7,166.81	10,777.54	7,155.32	63.45	64.24	88.56	-1,512.34	3,668.59	458.26	330.73	127.52	3.594		
10,800.00	7,167.06	10,877.54	7,155.21	65.06	65.82	88.52	-1,512.60	3,768.59	458.83	328.09	130.74	3.510		
10,900.00	7,167.32	10,977.53	7,155.09	66.66	67.41	88.48	-1,512.87	3,868.59	459.40	325.44	133.96	3.429		
11,000.00	7,167.57	11,077.53	7,154.97	68.27	69.01	88.43	-1,513.14	3,968.59	459.97	322.78	137.18	3.353		
11,100.00	7,167.82	11,177.53	7,154.85	69.88	70.60	88.39	-1,513.40	4,068.58	460.54	320.12	140.42	3.280		
11,200.00	7,168.08	11,277.53	7,154.73	71.50	72.21	88.34	-1,513.67	4,168.58	461.11	317.46	143.65	3.210		
11,300.00	7,168.33	11,377.52	7,154.61	73.11	73.81	88.30	-1,513.94	4,268.58	461.68	314.79	146.90	3.143		
11,400.00	7,168.58	11,477.52	7,154.49	74.73	75.42	88.25	-1,514.20	4,368.58	462.26	312.11	150.14	3.079		
11,500.00	7,168.84	11,577.52	7,154.38	76.35	77.02	88.21	-1,514.47	4,468.57	462.83	309.44	153.39	3.017		
11,600.00	7,169.09	11,677.52	7,154.26	77.98	78.64	88.17	-1,514.74	4,568.57	463.40	306.75	156.65	2.958		
11,700.00	7,169.34	11,777.51	7,154.14	79.60	80.25	88.12	-1,515.00	4,668.57	463.97	304.07	159.90	2.902		
11,800.00	7,169.59	11,877.51	7,154.02	81.23	81.87	88.08	-1,515.27	4,768.57	464.55	301.38	163.16	2.847		
11,900.00	7,169.85	11,977.50	7,153.90	82.86	83.49	88.02	-1,515.54	4,868.55	463.45	297.02	166.43	2.785		
12,000.00	7,170.10	12,077.43	7,153.78	84.50	85.11	87.96	-1,515.80	4,968.48	459.64	289.95	169.69	2.709		
12,100.00	7,170.36	12,177.34	7,153.66	86.14	86.73	87.89	-1,516.07	5,068.40	455.63	282.66	172.97	2.634		
12,200.00	7,170.61	12,277.26	7,153.54	87.78	88.35	87.83	-1,516.34	5,168.31	451.62	275.38	176.24	2.563		
12,300.00	7,170.87	12,377.18	7,153.43	89.43	89.98	87.76	-1,516.60	5,268.23	447.62	268.10	179.52	2.493		
12,400.00	7,171.12	12,477.10	7,153.31	91.07	91.60	87.69	-1,516.87	5,368.15	443.61	260.81	182.80	2.427		
12,500.00	7,171.38	12,577.02	7,153.19	92.72	93.23	87.62	-1,517.14	5,468.07	439.61	253.53	186.08	2.362		
12,600.00	7,171.63	12,676.94	7,153.07	94.36	94.86	87.55	-1,517.40	5,567.99	435.60	246.24	189.36	2.300		
12,700.00	7,171.89	12,776.85	7,152.95	96.01	96.49	87.48	-1,517.67	5,667.90	431.60	238.95	192.65	2.240		
12,800.00	7,172.14	12,876.77	7,152.83	97.66	98.13	87.40	-1,517.93	5,767.82	427.59	231.66	195.93	2.182		
12,900.00	7,172.40	12,976.69	7,152.71	99.31	99.76	87.33	-1,518.20	5,867.74	423.59	224.37	199.22	2.126		
13,000.00	7,172.65	13,076.61	7,152.60	100.96	101.39	87.25	-1,518.47	5,967.66	419.59	217.08	202.51	2.072		
13,100.00	7,172.91	13,176.53	7,152.48	102.61	103.03	87.17	-1,518.73	6,067.57	415.59	209.79	205.80	2.019		
13,200.00	7,173.16	13,276.45	7,152.36	104.26	104.67	87.09	-1,519.00	6,167.49	411.59	202.49	209.09	1.968		
13,300.00	7,173.42	13,376.41	7,152.24	105.91	106.31	87.03	-1,519.27	6,267.46	409.21	196.83	212.38	1.927		
13,318.20	7,173.46	13,405.39	7,152.22	106.21	106.78	87.02	-1,519.32	6,285.66	409.15	195.99	213.16	1.919		
13,400.00	7,173.67	13,476.40	7,152.12	107.55	107.95	86.99	-1,519.53	6,367.45	410.32	194.65	215.67	1.903		
13,500.00	7,173.92	13,576.31	7,152.00	109.19	109.59	86.97	-1,519.80	6,467.35	414.61	195.65	218.95	1.894		
13,600.00	7,174.18	13,676.19	7,151.88	110.82	111.23	86.96	-1,520.07	6,567.23	419.48	197.25	222.24	1.888		
13,700.00	7,174.43	13,776.07	7,151.77	112.46	112.87	86.94	-1,520.33	6,667.11	424.36	198.84	225.52	1.882		
13,800.00	7,174.68	13,875.95	7,151.65	114.09	114.51	86.93	-1,520.60	6,766.99	429.23	200.43	228.81	1.876		
13,900.00	7,174.94	13,975.83	7,151.53	115.73	116.15	86.91	-1,520.87	6,866.87	434.11	202.01	232.09	1.870		
14,000.00	7,175.19	14,075.71	7,151.41	117.37	117.80	86.90	-1,521.13	6,966.75	438.98	203.60	235.38	1.865		
14,100.00	7,175.44	14,175.59	7,151.29	119.01	119.44	86.88	-1,521.40	7,066.63	443.86	205.19	238.67	1.860		
14,200.00	7,175.70	14,275.47	7,151.17	120.65	121.09	86.87	-1,521.66	7,166.51	448.73	206.77	241.96	1.855		
14,300.00	7,175.95	14,375.35	7,151.06	122.29	122.73	86.86	-1,521.93	7,266.40	453.61	208.36	245.26	1.850		
14,400.00	7,176.20	14,475.23	7,150.94	123.93	124.38	86.84	-1,522.20	7,366.28	458.49	209.94	248.55	1.845		
14,500.00	7,176.46	14,575.12	7,150.82	125.57	126.03	86.83	-1,522.46	7,466.16	463.36	211.52	251.84	1.840		
14,600.00	7,176.71	14,675.00	7,150.70	127.21	127.67	86.82	-1,522.73	7,566.04	468.24	213.10	255.14	1.835		
14,700.00	7,176.96	14,774.94	7,150.58	128.86	129.32	86.79	-1,523.00	7,665.98	471.53	213.10	258.43	1.825		
14,800.00	7,177.21	14,874.93	7,150.46	130.51	130.97	86.75	-1,523.26	7,765.97	471.65	209.92	261.73	1.802		
14,900.00	7,177.47	14,974.93	7,150.34	132.17	132.62	86.70	-1,523.53	7,865.97	471.18	206.14	265.04	1.778		
15,000.00	7,177.72	15,074.93	7,150.22	133.82	134.28	86.65	-1,523.80	7,965.97	470.71	202.37	268.34	1.754		
15,100.00	7,177.97	15,174.93	7,150.11	135.48	135.93	86.60	-1,524.06	8,065.97	470.24	198.59	271.65	1.731		
15,200.00	7,178.23	15,274.93	7,149.99	137.14	137.58	86.55	-1,524.33	8,165.96	469.77	194.82	274.96	1.709		
15,300.00	7,178.48	15,374.92	7,149.87	138.80	139.23	86.50	-1,524.60	8,265.96	469.30	191.04	278.26	1.687		

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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
15,400.00	7,178.73	15,474.92	7,149.75	140.46	140.89	86.45	-1,524.86	8,365.96	468.83	187.26	281.57	1.665	
15,500.00	7,178.99	15,574.92	7,149.63	142.12	142.54	86.41	-1,525.13	8,465.96	468.36	183.49	284.88	1.644	
15,600.00	7,179.24	15,674.92	7,149.51	143.78	144.20	86.36	-1,525.40	8,565.96	467.90	179.71	288.18	1.624	
15,700.00	7,179.49	15,774.92	7,149.39	145.43	145.85	86.31	-1,525.66	8,665.95	467.43	175.94	291.49	1.604	
15,800.00	7,179.75	15,874.91	7,149.28	147.09	147.51	86.26	-1,525.93	8,765.95	466.96	172.16	294.80	1.584	
15,900.00	7,180.00	15,974.91	7,149.16	148.75	149.16	86.21	-1,526.20	8,865.95	466.49	168.39	298.10	1.565	
16,000.00	7,180.25	16,074.91	7,149.04	150.42	150.82	86.16	-1,526.46	8,965.95	466.02	164.61	301.41	1.546	
16,100.00	7,180.51	16,174.91	7,148.92	152.08	152.47	86.11	-1,526.73	9,065.94	465.56	160.84	304.72	1.528	
16,200.00	7,180.76	16,274.91	7,148.80	153.74	154.13	86.06	-1,527.00	9,165.94	465.09	157.07	308.03	1.510	
16,300.00	7,181.01	16,374.91	7,148.68	155.40	155.79	86.01	-1,527.26	9,265.94	464.63	153.29	311.33	1.492 Level 3	
16,400.00	7,181.27	16,474.90	7,148.56	157.06	157.44	85.96	-1,527.53	9,365.94	464.16	149.52	314.64	1.475 Level 3	
16,500.00	7,181.52	16,574.90	7,148.44	158.72	159.10	85.91	-1,527.80	9,465.93	463.69	145.75	317.95	1.458 Level 3	
16,600.00	7,181.77	16,674.90	7,148.33	160.38	160.76	85.86	-1,528.06	9,565.93	463.23	141.98	321.25	1.442 Level 3	
16,700.00	7,182.03	16,774.90	7,148.21	162.05	162.42	85.81	-1,528.33	9,665.93	462.77	138.20	324.56	1.426 Level 3	
16,800.00	7,182.28	16,874.90	7,148.09	163.71	164.08	85.76	-1,528.60	9,765.93	462.30	134.43	327.87	1.410 Level 3	
16,900.00	7,182.53	16,974.89	7,147.97	165.37	165.74	85.71	-1,528.86	9,865.92	461.84	130.66	331.18	1.395 Level 3	
17,000.00	7,182.79	17,074.89	7,147.85	167.03	167.39	85.66	-1,529.13	9,965.92	461.37	126.89	334.48	1.379 Level 3	
17,100.00	7,183.04	17,174.89	7,147.73	168.70	169.05	85.61	-1,529.40	10,065.92	460.91	123.12	337.79	1.364 Level 3	
17,200.00	7,183.29	17,274.89	7,147.61	170.36	170.71	85.56	-1,529.66	10,165.92	460.45	119.35	341.09	1.350 Level 3	
17,300.00	7,183.55	17,374.89	7,147.50	172.02	172.37	85.50	-1,529.93	10,265.92	459.99	115.59	344.40	1.336 Level 3	
17,400.00	7,183.80	17,474.88	7,147.38	173.69	174.03	85.45	-1,530.20	10,365.91	459.52	111.82	347.71	1.322 Level 3	
17,500.00	7,184.05	17,574.88	7,147.26	175.35	175.69	85.40	-1,530.46	10,465.91	459.06	108.05	351.01	1.308 Level 3	
17,600.00	7,184.31	17,674.88	7,147.14	177.01	177.35	85.35	-1,530.73	10,565.91	458.60	104.28	354.32	1.294 Level 3	
17,700.00	7,184.56	17,774.88	7,147.02	178.68	179.01	85.30	-1,531.00	10,665.91	458.14	100.52	357.62	1.281 Level 3	
17,800.00	7,184.81	17,874.88	7,146.90	180.34	180.67	85.25	-1,531.26	10,765.90	457.68	96.75	360.93	1.268 Level 3	
17,900.00	7,185.07	17,974.87	7,146.78	182.01	182.34	85.20	-1,531.53	10,865.90	457.22	92.99	364.23	1.255 Level 3	
18,000.00	7,185.32	18,074.87	7,146.66	183.67	184.00	85.14	-1,531.80	10,965.90	456.76	89.22	367.53	1.243 Level 2	
18,100.00	7,185.57	18,174.87	7,146.55	185.33	185.66	85.09	-1,532.06	11,065.90	456.30	85.46	370.84	1.230 Level 2	
18,200.00	7,185.83	18,274.87	7,146.43	187.00	187.32	85.04	-1,532.33	11,165.89	455.84	81.70	374.14	1.218 Level 2	
18,300.00	7,186.08	18,374.87	7,146.31	188.66	188.98	84.99	-1,532.60	11,265.89	455.38	77.94	377.44	1.206 Level 2	
18,400.00	7,186.33	18,474.87	7,146.19	190.33	190.64	84.94	-1,532.86	11,365.89	454.92	74.18	380.75	1.195 Level 2	
18,500.00	7,186.59	18,574.86	7,146.07	191.99	192.31	84.88	-1,533.13	11,465.89	454.47	70.42	384.05	1.183 Level 2	
18,600.00	7,186.84	18,674.86	7,145.95	193.66	193.97	84.83	-1,533.40	11,565.89	454.01	66.66	387.35	1.172 Level 2	
18,700.00	7,187.09	18,774.86	7,145.83	195.33	195.63	84.78	-1,533.66	11,665.88	453.55	62.90	390.65	1.161 Level 2	
18,800.00	7,187.35	18,874.86	7,145.72	196.99	197.29	84.73	-1,533.93	11,765.88	453.09	59.14	393.95	1.150 Level 2	
18,900.00	7,187.60	18,974.86	7,145.60	198.66	198.96	84.67	-1,534.20	11,865.88	452.64	55.39	397.25	1.139 Level 2	
19,000.00	7,187.85	19,074.85	7,145.48	200.32	200.62	84.62	-1,534.46	11,965.88	452.18	51.63	400.55	1.129 Level 2	
19,100.00	7,188.11	19,174.85	7,145.36	201.99	202.28	84.57	-1,534.73	12,065.87	451.73	47.88	403.85	1.119 Level 2	
19,200.00	7,188.36	19,274.85	7,145.24	203.65	203.95	84.52	-1,535.00	12,165.87	451.27	44.12	407.15	1.108 Level 2	
19,300.00	7,188.61	19,374.85	7,145.12	205.32	205.61	84.46	-1,535.27	12,265.87	450.82	40.37	410.45	1.098 Level 2	
19,400.00	7,188.87	19,474.85	7,145.00	206.99	207.27	84.41	-1,535.53	12,365.87	450.36	36.62	413.74	1.089 Level 2	
19,500.00	7,189.12	19,574.84	7,144.88	208.65	208.94	84.36	-1,535.80	12,465.86	449.91	32.87	417.04	1.079 Level 2	
19,600.00	7,189.37	19,674.84	7,144.77	210.32	210.60	84.30	-1,536.07	12,565.86	449.45	29.12	420.34	1.069 Level 2	
19,700.00	7,189.63	19,774.84	7,144.65	211.99	212.26	84.25	-1,536.33	12,665.86	449.00	25.37	423.63	1.060 Level 2	
19,800.00	7,189.88	19,874.84	7,144.53	213.65	213.93	84.20	-1,536.60	12,765.86	448.55	21.62	426.93	1.051 Level 2	
19,900.00	7,190.13	19,974.84	7,144.41	215.32	215.59	84.14	-1,536.87	12,865.85	448.09	17.87	430.22	1.042 Level 2	
20,000.00	7,190.39	20,074.83	7,144.29	216.99	217.26	84.09	-1,537.13	12,965.85	447.64	14.13	433.52	1.033 Level 2	
20,100.00	7,190.64	20,174.83	7,144.17	218.65	218.92	84.04	-1,537.40	13,065.85	447.19	10.38	436.81	1.024 Level 2	
20,200.00	7,190.89	20,274.83	7,144.05	220.32	220.58	83.98	-1,537.67	13,165.85	446.74	6.64	440.10	1.015 Level 2	
20,242.80	7,191.00	20,317.63	7,144.00	221.04	221.30	83.96	-1,537.78	13,208.64	446.55	5.04	441.51	1.011 Level 2, ES, SF	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 40N-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	179.73	-60.11	0.28	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	179.73	-60.11	0.28	60.11	52.58	7.53	7.984		
200.00	200.00	200.00	200.00	3.31	3.31	179.73	-60.11	0.28	60.11	52.54	7.57	7.936		
300.00	299.98	297.95	297.93	3.34	3.34	-3.95	-61.78	0.21	60.08	52.43	7.65	7.854		
400.00	399.84	395.90	395.74	3.40	3.40	-4.06	-66.80	-0.01	59.97	52.22	7.75	7.739		
500.00	499.45	493.85	493.34	3.49	3.48	-4.24	-75.15	-0.37	59.81	51.92	7.89	7.583		
600.00	598.70	591.81	590.59	3.60	3.59	-4.49	-86.84	-0.86	59.57	51.51	8.06	7.389		
616.01	614.55	607.50	606.13	3.62	3.61	-4.54	-89.02	-0.96	59.55	51.46	8.09	7.358 CC		
700.00	697.53	689.78	687.40	3.75	3.73	-4.78	-101.84	-1.51	59.70	51.43	8.28	7.214 ES		
800.00	796.30	787.65	783.54	3.93	3.92	-4.90	-120.11	-2.29	62.80	54.27	8.53	7.363		
900.00	895.07	885.20	878.68	4.14	4.15	-4.83	-141.59	-3.21	69.30	60.48	8.82	7.857		
1,000.00	993.83	983.30	973.65	4.37	4.42	-4.62	-166.15	-4.26	78.89	69.72	9.17	8.606		
1,100.00	1,092.60	1,082.78	1,069.81	4.61	4.74	-4.44	-191.62	-5.35	89.07	79.49	9.58	9.298		
1,200.00	1,191.37	1,182.26	1,165.97	4.88	5.08	-4.30	-217.10	-6.44	99.25	89.23	10.02	9.904		
1,300.00	1,290.13	1,281.74	1,262.12	5.15	5.45	-4.18	-242.57	-7.53	109.43	98.95	10.49	10.434		
1,400.00	1,388.90	1,381.22	1,358.28	5.44	5.83	-4.08	-268.04	-8.62	119.62	108.64	10.97	10.901		
1,500.00	1,487.66	1,480.70	1,454.44	5.74	6.23	-4.00	-293.51	-9.71	129.80	118.32	11.48	11.304		
1,600.00	1,586.43	1,580.18	1,550.60	6.04	6.63	-3.92	-318.99	-10.80	139.98	127.97	12.01	11.660		
1,700.00	1,685.20	1,679.66	1,646.75	6.36	7.05	-3.86	-344.46	-11.89	150.16	137.62	12.54	11.972		
1,800.00	1,783.96	1,779.14	1,742.91	6.68	7.48	-3.81	-369.93	-12.98	160.35	147.25	13.09	12.248		
1,900.00	1,882.73	1,878.62	1,839.07	6.85	7.76	-3.76	-395.40	-14.07	170.53	157.51	13.02	13.095		
2,000.00	1,981.49	1,978.10	1,935.23	6.89	7.86	-3.72	-420.88	-15.16	180.71	167.62	13.09	13.809		
2,100.00	2,080.26	2,077.58	2,031.38	6.94	7.94	-3.68	-446.35	-16.25	190.89	177.74	13.15	14.514		
2,200.00	2,179.03	2,177.06	2,127.54	7.01	8.04	-3.65	-471.82	-17.34	201.08	187.82	13.25	15.173		
2,300.00	2,277.79	2,276.54	2,223.70	7.09	8.16	-3.62	-497.29	-18.43	211.26	197.87	13.39	15.783		
2,400.00	2,376.56	2,376.02	2,319.86	7.19	8.30	-3.59	-522.76	-19.52	221.44	207.89	13.55	16.341		
2,500.00	2,475.32	2,475.50	2,416.01	7.31	8.46	-3.57	-548.24	-20.61	231.63	217.88	13.75	16.849		
2,600.00	2,574.09	2,574.98	2,512.17	7.44	8.64	-3.54	-573.71	-21.70	241.81	227.84	13.97	17.305		
2,700.00	2,672.86	2,674.46	2,608.33	7.58	8.83	-3.52	-599.18	-22.79	251.99	237.77	14.23	17.712		
2,800.00	2,771.62	2,773.94	2,704.49	7.73	9.04	-3.50	-624.65	-23.88	262.18	247.67	14.51	18.071		
2,900.00	2,870.39	2,873.42	2,800.64	7.90	9.26	-3.49	-650.13	-24.97	272.36	257.55	14.81	18.386		
3,000.00	2,969.16	2,972.90	2,896.80	8.07	9.49	-3.47	-675.60	-26.06	282.54	267.40	15.14	18.658		
3,100.00	3,067.92	3,072.38	2,992.96	8.26	9.74	-3.45	-701.07	-27.15	292.73	277.23	15.49	18.893		
3,200.00	3,166.69	3,171.86	3,089.12	8.46	10.00	-3.44	-726.54	-28.24	302.91	287.04	15.87	19.093		
3,300.00	3,265.45	3,271.34	3,185.27	8.66	10.27	-3.43	-752.02	-29.33	313.09	296.84	16.26	19.261		
3,400.00	3,364.22	3,370.82	3,281.43	8.88	10.54	-3.41	-777.49	-30.42	323.28	306.61	16.66	19.401		
3,500.00	3,462.99	3,470.30	3,377.59	9.10	10.83	-3.40	-802.96	-31.51	333.46	316.37	17.09	19.515		
3,600.00	3,561.75	3,569.78	3,473.75	9.32	11.12	-3.39	-828.43	-32.60	343.64	326.12	17.53	19.607		
3,700.00	3,660.52	3,669.26	3,569.90	9.56	11.43	-3.38	-853.91	-33.69	353.83	335.85	17.98	19.680		
3,800.00	3,759.28	3,768.74	3,666.06	9.80	11.74	-3.37	-879.38	-34.78	364.01	345.57	18.45	19.735		
3,900.00	3,858.05	3,868.22	3,762.22	10.05	12.05	-3.36	-904.85	-35.87	374.19	355.27	18.92	19.775		
4,000.00	3,956.82	3,967.70	3,858.38	10.30	12.37	-3.35	-930.32	-36.95	384.38	364.97	19.41	19.802		
4,100.00	4,055.58	4,067.18	3,954.53	10.56	12.70	-3.34	-955.80	-38.04	394.56	374.65	19.91	19.817		
4,200.00	4,154.35	4,166.66	4,050.69	10.82	13.03	-3.33	-981.27	-39.13	404.74	384.33	20.42	19.823		
4,300.00	4,253.11	4,266.14	4,146.85	11.08	13.37	-3.33	-1,006.74	-40.22	414.93	393.99	20.93	19.820		
4,400.00	4,351.88	4,365.62	4,243.01	11.35	13.71	-3.32	-1,032.21	-41.31	425.11	403.65	21.46	19.810		
4,500.00	4,450.65	4,465.10	4,339.16	11.63	14.05	-3.31	-1,057.69	-42.40	435.30	413.30	21.99	19.794		
4,600.00	4,549.41	4,564.58	4,435.32	11.90	14.40	-3.31	-1,083.16	-43.49	445.48	422.95	22.53	19.772		
4,700.00	4,648.18	4,664.06	4,531.48	12.18	14.76	-3.30	-1,108.63	-44.58	455.66	432.59	23.08	19.746		
4,800.00	4,746.95	4,763.54	4,627.64	12.47	15.11	-3.29	-1,134.10	-45.67	465.85	442.22	23.63	19.716		
4,900.00	4,845.71	4,863.02	4,723.79	12.75	15.47	-3.29	-1,159.57	-46.76	476.03	451.84	24.18	19.683		
5,000.00	4,944.48	4,962.50	4,819.95	13.04	15.83	-3.28	-1,185.05	-47.85	486.21	461.47	24.75	19.648		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 40N-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		
5,100.00	5,043.24	5,061.98	4,916.11	13.33	16.19	-3.28	-1,210.52	-48.94	496.40	471.08	25.31	19.610		
5,200.00	5,142.01	5,161.46	5,012.27	13.62	16.56	-3.27	-1,235.99	-50.03	506.58	480.70	25.88	19.570		
5,300.00	5,240.78	5,260.94	5,108.42	13.92	16.93	-3.27	-1,261.46	-51.12	516.76	490.30	26.46	19.530		
5,400.00	5,339.54	5,360.42	5,204.58	14.22	17.30	-3.26	-1,286.94	-52.21	526.95	499.91	27.04	19.488		
5,500.00	5,438.31	5,459.90	5,300.74	14.52	17.67	-3.26	-1,312.41	-53.30	537.13	509.51	27.62	19.445		
5,600.00	5,537.07	5,559.38	5,396.90	14.82	18.05	-3.25	-1,337.88	-54.39	547.31	519.10	28.21	19.402		
5,700.00	5,635.84	5,658.86	5,493.05	15.12	18.42	-3.25	-1,363.35	-55.48	557.50	528.70	28.80	19.358		
5,800.00	5,734.61	5,758.34	5,589.21	15.42	18.80	-3.24	-1,388.83	-56.57	567.68	538.29	29.39	19.314		
5,900.00	5,833.37	5,857.82	5,685.37	15.73	19.18	-3.24	-1,414.30	-57.66	577.87	547.88	29.99	19.270		
6,000.00	5,932.14	5,957.30	5,781.52	16.04	19.56	-3.24	-1,439.77	-58.75	588.05	557.46	30.59	19.226		
6,100.00	6,030.90	6,056.78	5,877.68	16.34	19.95	-3.23	-1,465.24	-59.84	598.23	567.05	31.19	19.182		
6,200.00	6,129.67	6,156.26	5,973.84	16.65	20.33	-3.23	-1,490.72	-60.93	608.42	576.63	31.79	19.138		
6,300.00	6,228.44	6,255.74	6,070.00	16.96	20.71	-3.23	-1,516.19	-62.02	618.60	586.20	32.40	19.095		
6,400.00	6,327.20	6,355.22	6,166.15	17.28	21.10	-3.22	-1,541.66	-63.11	628.78	595.78	33.00	19.052		
6,500.00	6,425.97	6,454.70	6,262.31	17.59	21.49	-3.22	-1,567.13	-64.20	638.97	605.35	33.61	19.009		
6,600.00	6,524.73	6,554.18	6,358.47	17.90	21.88	-2.56	-1,592.61	-65.29	649.15	614.93	34.22	18.967		
6,700.00	6,623.16	6,653.23	6,454.21	18.15	22.26	43.41	-1,617.97	-66.38	659.42	624.63	34.79	18.955		
6,800.00	6,719.30	6,749.79	6,547.54	18.41	22.64	63.57	-1,642.69	-67.43	670.24	634.91	35.33	18.969		
6,900.00	6,810.79	6,845.38	6,639.93	18.65	23.00	73.68	-1,667.17	-67.57	682.78	646.88	35.91	19.016		
7,000.00	6,895.36	6,951.96	6,742.02	18.89	23.34	80.19	-1,694.22	-54.16	697.08	660.52	36.56	19.069		
7,100.00	6,970.94	7,067.93	6,848.92	19.11	23.70	84.88	-1,722.57	-19.82	712.32	675.06	37.26	19.119		
7,200.00	7,035.67	7,195.05	6,957.04	19.33	24.07	88.53	-1,751.26	40.13	727.58	689.62	37.95	19.171		
7,300.00	7,087.95	7,334.73	7,059.95	19.55	24.45	91.41	-1,778.60	130.10	741.66	703.06	38.60	19.213		
7,400.00	7,126.50	7,487.16	7,147.68	19.81	24.83	93.57	-1,801.95	252.08	753.22	713.97	39.25	19.190		
7,500.00	7,150.36	7,650.36	7,207.75	20.16	25.25	94.90	-1,817.99	402.50	760.88	720.84	40.04	19.003		
7,600.00	7,158.95	7,819.61	7,228.99	20.66	25.78	95.26	-1,823.77	569.81	763.64	722.49	41.15	18.556		
7,700.00	7,159.22	7,918.58	7,229.15	21.32	26.20	95.25	-1,823.89	668.78	764.05	721.37	42.67	17.906		
7,800.00	7,159.47	8,018.58	7,229.30	22.13	26.74	95.24	-1,824.02	768.78	764.46	720.07	44.38	17.224		
7,900.00	7,159.72	8,118.58	7,229.46	23.06	27.40	95.23	-1,824.14	868.78	764.87	718.59	46.28	16.528		
8,000.00	7,159.98	8,218.58	7,229.61	24.08	28.17	95.22	-1,824.27	968.78	765.28	716.95	48.33	15.835		
8,100.00	7,160.23	8,318.58	7,229.76	25.19	29.05	95.21	-1,824.40	1,068.78	765.69	715.17	50.52	15.156		
8,200.00	7,160.48	8,418.58	7,229.92	26.36	30.01	95.20	-1,824.52	1,168.78	766.10	713.26	52.83	14.501		
8,300.00	7,160.74	8,518.58	7,230.07	27.58	31.04	95.19	-1,824.65	1,268.78	766.51	711.26	55.25	13.874		
8,400.00	7,160.99	8,618.58	7,230.22	28.85	32.14	95.18	-1,824.78	1,368.77	766.92	709.16	57.76	13.278		
8,500.00	7,161.24	8,718.58	7,230.37	30.16	33.30	95.17	-1,824.90	1,468.77	767.33	706.98	60.35	12.715		
8,600.00	7,161.50	8,818.58	7,230.53	31.50	34.50	95.16	-1,825.03	1,568.77	767.74	704.73	63.01	12.184		
8,700.00	7,161.75	8,918.58	7,230.68	32.88	35.75	95.15	-1,825.16	1,668.77	768.15	702.41	65.74	11.685		
8,800.00	7,162.00	9,018.57	7,230.83	34.28	37.03	95.14	-1,825.28	1,768.77	768.56	700.04	68.51	11.217		
8,900.00	7,162.25	9,118.57	7,230.99	35.71	38.35	95.13	-1,825.41	1,868.77	768.97	697.63	71.34	10.779		
9,000.00	7,162.51	9,218.57	7,231.14	37.15	39.69	95.12	-1,825.54	1,968.77	769.38	695.17	74.21	10.367		
9,100.00	7,162.76	9,318.57	7,231.29	38.62	41.06	95.11	-1,825.66	2,068.77	769.79	692.67	77.12	9.982		
9,200.00	7,163.01	9,418.57	7,231.44	40.10	42.45	95.10	-1,825.79	2,168.77	770.20	690.14	80.06	9.620		
9,300.00	7,163.27	9,518.57	7,231.60	41.59	43.87	95.09	-1,825.92	2,268.76	770.61	687.58	83.03	9.281		
9,400.00	7,163.52	9,618.57	7,231.75	43.10	45.30	95.08	-1,826.04	2,368.76	771.02	684.99	86.03	8.962		
9,500.00	7,163.77	9,718.57	7,231.90	44.62	46.75	95.07	-1,826.17	2,468.76	771.43	682.37	89.06	8.662		
9,600.00	7,164.03	9,818.57	7,232.06	46.15	48.21	95.06	-1,826.30	2,568.76	771.84	679.74	92.10	8.380		
9,700.00	7,164.28	9,918.57	7,232.21	47.69	49.68	95.05	-1,826.42	2,668.76	772.25	677.08	95.17	8.115		
9,800.00	7,164.53	10,018.57	7,232.36	49.24	51.17	95.04	-1,826.55	2,768.76	772.66	674.41	98.25	7.864		
9,900.00	7,164.79	10,118.56	7,232.52	50.79	52.67	95.03	-1,826.68	2,868.76	773.07	671.72	101.35	7.628		
10,000.00	7,165.04	10,218.56	7,232.67	52.36	54.18	95.02	-1,826.80	2,968.76	773.48	669.02	104.46	7.404		
10,100.00	7,165.29	10,318.56	7,232.82	53.93	55.70	95.01	-1,826.93	3,068.76	773.89	666.30	107.59	7.193		
10,200.00	7,165.54	10,418.56	7,232.97	55.50	57.23	95.00	-1,827.06	3,168.75	774.30	663.57	110.73	6.993		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 40N-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		
10,300.00	7,165.80	10,518.56	7,233.13	57.08	58.77	94.99	-1,827.18	3,268.75	774.71	660.83	113.88	6.803		
10,400.00	7,166.05	10,618.56	7,233.28	58.67	60.31	94.98	-1,827.31	3,368.75	775.12	658.08	117.05	6.622		
10,500.00	7,166.30	10,718.56	7,233.43	60.26	61.86	94.97	-1,827.44	3,468.75	775.54	655.32	120.22	6.451		
10,600.00	7,166.56	10,818.56	7,233.59	61.85	63.41	94.96	-1,827.56	3,568.75	775.95	652.55	123.40	6.288		
10,700.00	7,166.81	10,918.56	7,233.74	63.45	64.98	94.95	-1,827.69	3,668.75	776.36	649.77	126.59	6.133		
10,800.00	7,167.06	11,018.56	7,233.89	65.06	66.54	94.94	-1,827.82	3,768.75	776.77	646.98	129.78	5.985		
10,900.00	7,167.32	11,118.56	7,234.04	66.66	68.12	94.93	-1,827.94	3,868.75	777.18	644.19	132.99	5.844		
11,000.00	7,167.57	11,218.55	7,234.20	68.27	69.69	94.92	-1,828.07	3,968.75	777.59	641.39	136.20	5.709		
11,100.00	7,167.82	11,318.55	7,234.35	69.88	71.27	94.91	-1,828.20	4,068.74	778.00	638.58	139.42	5.580		
11,200.00	7,168.08	11,418.55	7,234.50	71.50	72.86	94.90	-1,828.32	4,168.74	778.41	635.77	142.64	5.457		
11,300.00	7,168.33	11,518.55	7,234.66	73.11	74.45	94.89	-1,828.45	4,268.74	778.82	632.96	145.87	5.339		
11,400.00	7,168.58	11,618.55	7,234.81	74.73	76.04	94.88	-1,828.58	4,368.74	779.23	630.13	149.10	5.226		
11,500.00	7,168.84	11,718.55	7,234.96	76.35	77.64	94.87	-1,828.70	4,468.74	779.64	627.31	152.34	5.118		
11,600.00	7,169.09	11,818.55	7,235.11	77.98	79.24	94.86	-1,828.83	4,568.74	780.05	624.48	155.58	5.014		
11,700.00	7,169.34	11,918.55	7,235.27	79.60	80.84	94.85	-1,828.96	4,668.74	780.47	621.64	158.82	4.914		
11,800.00	7,169.59	12,018.55	7,235.42	81.23	82.44	94.84	-1,829.08	4,768.74	780.88	618.80	162.07	4.818		
11,900.00	7,169.85	12,118.53	7,235.57	82.86	84.05	94.83	-1,829.21	4,868.72	779.62	614.30	165.32	4.716		
12,000.00	7,170.10	12,218.45	7,235.73	84.50	85.66	94.85	-1,829.34	4,968.64	775.66	607.09	168.57	4.601		
12,100.00	7,170.36	12,318.37	7,235.88	86.14	87.27	94.87	-1,829.46	5,068.56	771.51	599.68	171.82	4.490		
12,200.00	7,170.61	12,418.28	7,236.03	87.78	88.88	94.89	-1,829.59	5,168.47	767.35	592.27	175.08	4.383		
12,300.00	7,170.87	12,518.19	7,236.18	89.43	90.50	94.91	-1,829.72	5,268.38	763.19	584.85	178.34	4.280		
12,400.00	7,171.12	12,618.11	7,236.34	91.07	92.11	94.93	-1,829.84	5,368.30	759.03	577.44	181.60	4.180		
12,500.00	7,171.38	12,718.02	7,236.49	92.72	93.73	94.95	-1,829.97	5,468.21	754.87	570.02	184.86	4.084		
12,600.00	7,171.63	12,817.93	7,236.64	94.36	95.35	94.97	-1,830.09	5,568.12	750.72	562.60	188.12	3.991		
12,700.00	7,171.89	12,926.35	7,236.79	96.01	97.11	94.99	-1,829.31	5,676.54	745.69	554.37	191.31	3.898		
12,800.00	7,172.14	13,026.21	7,236.93	97.66	98.73	95.02	-1,828.29	5,776.39	740.39	545.81	194.58	3.805		
12,900.00	7,172.40	13,126.07	7,237.07	99.31	100.35	95.05	-1,827.28	5,876.24	735.09	537.25	197.84	3.716		
13,000.00	7,172.65	13,225.93	7,237.20	100.96	101.97	95.07	-1,826.26	5,976.10	729.80	528.69	201.11	3.629		
13,100.00	7,172.91	13,325.79	7,237.34	102.61	103.60	95.10	-1,825.25	6,075.95	724.50	520.13	204.38	3.545		
13,200.00	7,173.16	13,425.65	7,237.47	104.26	105.22	95.13	-1,824.23	6,175.81	719.21	511.56	207.65	3.464		
13,300.00	7,173.42	13,525.58	7,237.61	105.91	106.85	95.15	-1,823.22	6,275.73	715.53	504.61	210.92	3.392		
13,355.82	7,173.56	13,581.39	7,237.68	106.83	107.76	95.15	-1,822.65	6,331.54	714.99	502.24	212.75	3.361		
13,400.00	7,173.67	13,625.57	7,237.74	107.55	108.48	95.14	-1,822.20	6,375.72	715.33	501.13	214.20	3.339		
13,500.00	7,173.92	13,725.52	7,237.88	109.19	110.11	95.12	-1,821.18	6,475.67	718.30	500.81	217.49	3.303		
13,600.00	7,174.18	13,825.46	7,238.01	110.82	111.74	95.08	-1,820.17	6,575.60	721.85	501.07	220.78	3.270		
13,700.00	7,174.43	13,925.39	7,238.15	112.46	113.38	95.05	-1,819.15	6,675.53	725.41	501.33	224.08	3.237		
13,800.00	7,174.68	14,025.33	7,238.28	114.09	115.01	95.01	-1,818.14	6,775.46	728.97	501.60	227.37	3.206		
13,900.00	7,174.94	14,125.27	7,238.42	115.73	116.65	94.98	-1,817.12	6,875.39	732.52	501.86	230.67	3.176		
14,000.00	7,175.19	14,225.20	7,238.55	117.37	118.28	94.95	-1,816.11	6,975.32	736.08	502.12	233.97	3.146		
14,100.00	7,175.44	14,325.14	7,238.69	119.01	119.92	94.91	-1,815.09	7,075.25	739.64	502.37	237.27	3.117		
14,200.00	7,175.70	14,425.07	7,238.82	120.65	121.56	94.88	-1,814.08	7,175.18	743.20	502.63	240.57	3.089		
14,300.00	7,175.95	14,525.01	7,238.96	122.29	123.19	94.85	-1,813.06	7,275.11	746.75	502.89	243.87	3.062		
14,400.00	7,176.20	14,624.95	7,239.10	123.93	124.83	94.82	-1,812.04	7,375.04	750.31	503.14	247.17	3.036		
14,500.00	7,176.46	14,724.88	7,239.23	125.57	126.47	94.78	-1,811.03	7,474.97	753.87	503.40	250.47	3.010		
14,600.00	7,176.71	14,824.82	7,239.37	127.21	128.12	94.75	-1,810.01	7,574.90	757.43	503.65	253.78	2.985		
14,700.00	7,176.96	14,924.79	7,239.50	128.86	129.76	94.72	-1,809.00	7,674.87	759.41	502.33	257.08	2.954		
14,800.00	7,177.21	15,024.78	7,239.64	130.51	131.40	94.72	-1,807.98	7,774.86	758.22	497.84	260.38	2.912		
14,900.00	7,177.47	15,124.77	7,239.77	132.17	133.04	94.72	-1,806.96	7,874.84	756.44	492.76	263.68	2.869		
15,000.00	7,177.72	15,224.75	7,239.91	133.82	134.69	94.72	-1,805.95	7,974.81	754.66	487.68	266.98	2.827		
15,100.00	7,177.97	15,324.74	7,240.04	135.48	136.33	94.73	-1,804.93	8,074.79	752.88	482.59	270.29	2.785		
15,200.00	7,178.23	15,424.72	7,240.18	137.14	137.98	94.73	-1,803.92	8,174.77	751.10	477.51	273.59	2.745		
15,300.00	7,178.48	15,524.70	7,240.31	138.80	139.63	94.73	-1,802.90	8,274.75	749.32	472.43	276.90	2.706		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 40N-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
15,400.00	7,178.73	15,624.69	7,240.45	140.46	141.27	94.73	-1,801.88	8,374.73	747.54	467.34	280.20	2.668	
15,500.00	7,178.99	15,724.67	7,240.58	142.12	142.92	94.74	-1,800.87	8,474.71	745.76	462.25	283.51	2.630	
15,600.00	7,179.24	15,824.66	7,240.72	143.78	144.57	94.74	-1,799.85	8,574.69	743.98	457.17	286.82	2.594	
15,700.00	7,179.49	15,924.64	7,240.86	145.43	146.22	94.74	-1,798.84	8,674.67	742.20	452.08	290.13	2.558	
15,800.00	7,179.75	16,024.62	7,240.99	147.09	147.86	94.74	-1,797.82	8,774.65	740.43	446.99	293.43	2.523	
15,900.00	7,180.00	16,124.61	7,241.13	148.75	149.51	94.74	-1,796.80	8,874.62	738.65	441.90	296.74	2.489	
16,000.00	7,180.25	16,224.59	7,241.26	150.42	151.16	94.75	-1,795.79	8,974.60	736.87	436.81	300.05	2.456	
16,100.00	7,180.51	16,324.58	7,241.40	152.08	152.81	94.75	-1,794.77	9,074.58	735.09	431.72	303.36	2.423	
16,200.00	7,180.76	16,424.56	7,241.53	153.74	154.46	94.75	-1,793.76	9,174.56	733.31	426.63	306.67	2.391	
16,300.00	7,181.01	16,524.55	7,241.67	155.40	156.12	94.75	-1,792.74	9,274.54	731.53	421.54	309.99	2.360	
16,400.00	7,181.27	16,624.53	7,241.80	157.06	157.77	94.76	-1,791.72	9,374.52	729.75	416.45	313.30	2.329	
16,500.00	7,181.52	16,724.51	7,241.94	158.72	159.42	94.76	-1,790.71	9,474.50	727.97	411.36	316.61	2.299	
16,600.00	7,181.77	16,824.50	7,242.07	160.38	161.07	94.76	-1,789.69	9,574.48	726.19	406.27	319.92	2.270	
16,700.00	7,182.03	16,924.48	7,242.21	162.05	162.72	94.76	-1,788.67	9,674.46	724.41	401.17	323.24	2.241	
16,800.00	7,182.28	17,024.47	7,242.34	163.71	164.38	94.77	-1,787.66	9,774.43	722.63	396.08	326.55	2.213	
16,900.00	7,182.53	17,124.45	7,242.48	165.37	166.03	94.77	-1,786.64	9,874.41	720.85	390.99	329.86	2.185	
17,000.00	7,182.79	17,224.43	7,242.62	167.03	167.68	94.77	-1,785.63	9,974.39	719.07	385.89	333.18	2.158	
17,100.00	7,183.04	17,324.42	7,242.75	168.70	169.34	94.77	-1,784.61	10,074.37	717.29	380.80	336.49	2.132	
17,200.00	7,183.29	17,424.40	7,242.89	170.36	170.99	94.78	-1,783.59	10,174.35	715.51	375.70	339.81	2.106	
17,300.00	7,183.55	17,524.39	7,243.02	172.02	172.65	94.78	-1,782.58	10,274.33	713.73	370.61	343.12	2.080	
17,400.00	7,183.80	17,624.37	7,243.16	173.69	174.30	94.78	-1,781.56	10,374.31	711.95	365.51	346.44	2.055	
17,500.00	7,184.05	17,724.36	7,243.29	175.35	175.96	94.78	-1,780.55	10,474.29	710.17	360.42	349.76	2.030	
17,600.00	7,184.31	17,824.34	7,243.43	177.01	177.61	94.79	-1,779.53	10,574.27	708.40	355.32	353.07	2.006	
17,700.00	7,184.56	17,924.32	7,243.56	178.68	179.27	94.79	-1,778.51	10,674.24	706.62	350.23	356.39	1.983	
17,800.00	7,184.81	18,024.31	7,243.70	180.34	180.92	94.79	-1,777.50	10,774.22	704.84	345.13	359.71	1.959	
17,900.00	7,185.07	18,124.29	7,243.83	182.01	182.58	94.79	-1,776.48	10,874.20	703.06	340.03	363.03	1.937	
18,000.00	7,185.32	18,224.28	7,243.97	183.67	184.24	94.80	-1,775.47	10,974.18	701.28	334.93	366.34	1.914	
18,100.00	7,185.57	18,324.26	7,244.10	185.33	185.89	94.80	-1,774.45	11,074.16	699.50	329.84	369.66	1.892	
18,200.00	7,185.83	18,424.24	7,244.24	187.00	187.55	94.80	-1,773.43	11,174.14	697.72	324.74	372.98	1.871	
18,300.00	7,186.08	18,524.23	7,244.38	188.66	189.21	94.80	-1,772.42	11,274.12	695.94	319.64	376.30	1.849	
18,400.00	7,186.33	18,624.21	7,244.51	190.33	190.87	94.81	-1,771.40	11,374.10	694.16	314.54	379.62	1.829	
18,500.00	7,186.59	18,724.20	7,244.65	191.99	192.52	94.81	-1,770.38	11,474.08	692.38	309.44	382.94	1.808	
18,600.00	7,186.84	18,824.18	7,244.78	193.66	194.18	94.81	-1,769.37	11,574.05	690.60	304.34	386.26	1.788	
18,700.00	7,187.09	18,924.17	7,244.92	195.33	195.84	94.81	-1,768.35	11,674.03	688.82	299.24	389.58	1.768	
18,800.00	7,187.35	19,024.15	7,245.05	196.99	197.50	94.82	-1,767.34	11,774.01	687.04	294.15	392.90	1.749	
18,900.00	7,187.60	19,124.13	7,245.19	198.66	199.16	94.82	-1,766.32	11,873.99	685.26	289.05	396.22	1.730	
19,000.00	7,187.85	19,224.12	7,245.32	200.32	200.81	94.82	-1,765.30	11,973.97	683.48	283.95	399.54	1.711	
19,100.00	7,188.11	19,324.10	7,245.46	201.99	202.47	94.82	-1,764.29	12,073.95	681.70	278.85	402.86	1.692	
19,200.00	7,188.36	19,424.09	7,245.59	203.65	204.13	94.83	-1,763.27	12,173.93	679.92	273.74	406.18	1.674	
19,300.00	7,188.61	19,524.07	7,245.73	205.32	205.79	94.83	-1,762.26	12,273.91	678.15	268.64	409.50	1.656	
19,400.00	7,188.87	19,624.05	7,245.86	206.99	207.45	94.83	-1,761.24	12,373.89	676.37	263.54	412.82	1.638	
19,500.00	7,189.12	19,724.04	7,246.00	208.65	209.11	94.84	-1,760.22	12,473.87	674.59	258.44	416.14	1.621	
19,600.00	7,189.37	19,824.02	7,246.14	210.32	210.77	94.84	-1,759.21	12,573.84	672.81	253.34	419.47	1.604	
19,700.00	7,189.63	19,924.01	7,246.27	211.99	212.43	94.84	-1,758.19	12,673.82	671.03	248.24	422.79	1.587	
19,800.00	7,189.88	20,023.99	7,246.41	213.65	214.09	94.84	-1,757.18	12,773.80	669.25	243.14	426.11	1.571	
19,900.00	7,190.13	20,123.98	7,246.54	215.32	215.75	94.85	-1,756.16	12,873.78	667.47	238.04	429.43	1.554	
20,000.00	7,190.39	20,223.96	7,246.68	216.99	217.41	94.85	-1,755.14	12,973.76	665.69	232.94	432.75	1.538	
20,100.00	7,190.64	20,323.94	7,246.81	218.65	219.07	94.85	-1,754.13	13,073.74	663.91	227.83	436.08	1.522	
20,200.00	7,190.89	20,423.93	7,246.95	220.32	220.73	94.85	-1,753.11	13,173.72	662.13	222.73	439.40	1.507	
20,242.80	7,191.00	20,466.72	7,247.01	221.04	221.44	94.86	-1,752.68	13,216.50	661.37	220.56	440.81	1.500 SF	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
0.00	0.00	0.00	0.00	3.28	3.28	-0.53	60.11	-0.56	60.12					
100.00	100.00	100.00	100.00	3.28	3.28	-0.53	60.11	-0.56	60.12	52.59	7.53	7.985		
200.00	200.00	200.00	200.00	3.31	3.31	-0.53	60.11	-0.56	60.12	52.54	7.57	7.937		
300.00	299.98	302.12	302.10	3.34	3.35	175.71	58.31	-0.78	60.09	52.44	7.65	7.854		
393.78	393.63	397.89	397.73	3.40	3.40	175.42	53.33	-1.40	60.02	52.27	7.75	7.747 CC		
400.00	399.84	404.07	403.90	3.40	3.41	175.39	52.91	-1.45	60.02	52.27	7.76	7.740 ES		
500.00	499.45	504.05	503.64	3.49	3.49	175.15	46.13	-2.30	61.95	54.04	7.91	7.828		
600.00	598.70	603.90	603.26	3.60	3.59	175.18	39.36	-3.14	67.35	59.23	8.12	8.296		
700.00	697.53	703.54	702.67	3.75	3.72	175.40	32.60	-3.98	75.80	67.43	8.37	9.061		
800.00	796.30	803.14	802.04	3.93	3.86	175.61	25.84	-4.83	84.69	76.04	8.64	9.797		
900.00	895.07	902.75	901.41	4.14	4.03	175.77	19.08	-5.67	93.58	84.62	8.96	10.448		
1,000.00	993.83	1,002.35	1,000.78	4.37	4.20	175.91	12.33	-6.51	102.47	93.17	9.30	11.020		
1,100.00	1,092.60	1,101.95	1,100.15	4.61	4.39	176.02	5.57	-7.35	111.36	101.69	9.67	11.520		
1,200.00	1,191.37	1,201.56	1,199.52	4.88	4.59	176.12	-1.19	-8.19	120.25	110.19	10.06	11.956		
1,300.00	1,290.13	1,301.16	1,298.89	5.15	4.81	176.21	-7.94	-9.03	129.14	118.67	10.47	12.336		
1,400.00	1,388.90	1,400.76	1,398.26	5.44	5.03	176.28	-14.70	-9.88	138.03	127.14	10.90	12.666		
1,500.00	1,487.66	1,500.37	1,497.63	5.74	5.25	176.34	-21.46	-10.72	146.93	135.58	11.34	12.954		
1,600.00	1,586.43	1,600.03	1,597.00	6.04	5.49	176.40	-28.21	-11.56	155.82	144.02	11.80	13.204		
1,700.00	1,685.20	1,700.42	1,696.37	6.36	5.73	176.45	-34.97	-12.40	164.71	152.44	12.27	13.421		
1,800.00	1,783.96	1,800.82	1,795.74	6.68	5.98	176.50	-41.73	-13.24	173.60	160.85	12.75	13.612		
1,900.00	1,882.73	1,901.22	1,895.11	6.85	6.11	176.54	-48.49	-14.08	182.50	169.87	12.62	14.456		
2,000.00	1,981.49	2,001.61	1,994.48	6.89	6.12	176.58	-55.24	-14.93	191.39	178.74	12.65	15.125		
2,100.00	2,080.26	2,102.01	2,093.86	6.94	6.16	176.61	-62.00	-15.77	200.28	187.57	12.71	15.755		
2,200.00	2,179.03	2,202.41	2,193.23	7.01	6.20	176.64	-68.76	-16.61	209.18	196.38	12.80	16.344		
2,300.00	2,277.79	2,302.80	2,292.60	7.09	6.26	176.67	-75.51	-17.45	218.07	205.16	12.91	16.889		
2,400.00	2,376.56	2,403.20	2,391.97	7.19	6.34	176.70	-82.27	-18.29	226.96	213.91	13.05	17.388		
2,500.00	2,475.32	2,503.60	2,491.34	7.31	6.42	176.72	-89.03	-19.13	235.85	222.64	13.22	17.841		
2,600.00	2,574.09	2,603.99	2,590.71	7.44	6.52	176.75	-95.79	-19.98	244.75	231.34	13.41	18.250		
2,700.00	2,672.86	2,704.39	2,690.08	7.58	6.63	176.77	-102.54	-20.82	253.64	240.02	13.63	18.614		
2,800.00	2,771.62	2,804.78	2,789.45	7.73	6.75	176.79	-109.30	-21.66	262.53	248.67	13.86	18.936		
2,900.00	2,870.39	2,905.18	2,888.82	7.90	6.88	176.81	-116.06	-22.50	271.43	257.30	14.12	19.217		
3,000.00	2,969.16	3,005.58	2,988.19	8.07	7.02	176.82	-122.81	-23.34	280.32	265.92	14.40	19.461		
3,100.00	3,067.92	3,105.97	3,087.56	8.26	7.17	176.84	-129.57	-24.18	289.22	274.51	14.70	19.671		
3,200.00	3,166.69	3,206.37	3,186.93	8.46	7.32	176.85	-136.33	-25.03	298.11	283.09	15.02	19.848		
3,300.00	3,265.45	3,293.23	3,286.30	8.66	7.47	176.87	-143.08	-25.87	307.00	291.67	15.33	20.024		
3,400.00	3,364.22	3,407.16	3,385.67	8.88	7.66	176.88	-149.84	-26.71	315.90	300.19	15.70	20.118		
3,500.00	3,462.99	3,507.56	3,485.05	9.10	7.85	176.89	-156.60	-27.55	324.79	308.72	16.07	20.216		
3,600.00	3,561.75	3,607.95	3,584.42	9.32	8.03	176.91	-163.36	-28.39	333.68	317.24	16.44	20.293		
3,700.00	3,660.52	3,708.35	3,683.79	9.56	8.23	176.92	-170.11	-29.23	342.58	325.74	16.83	20.352		
3,800.00	3,759.28	3,808.75	3,783.16	9.80	8.43	176.93	-176.87	-30.07	351.47	334.24	17.23	20.393		
3,900.00	3,858.05	3,909.14	3,882.53	10.05	8.63	176.94	-183.63	-30.92	360.36	342.72	17.65	20.421		
4,000.00	3,956.82	4,009.54	3,981.90	10.30	8.84	176.95	-190.38	-31.76	369.26	351.19	18.07	20.435		
4,100.00	4,055.58	4,109.94	4,081.27	10.56	9.05	176.96	-197.14	-32.60	378.15	359.65	18.50	20.439		
4,200.00	4,154.35	4,189.67	4,180.64	10.82	9.23	176.97	-203.90	-33.44	387.04	368.15	18.90	20.480		
4,300.00	4,253.11	4,289.27	4,280.01	11.08	9.45	176.98	-210.66	-34.28	395.94	376.59	19.35	20.467		
4,400.00	4,351.88	4,388.88	4,379.38	11.35	9.67	176.98	-217.41	-35.12	404.83	385.03	19.80	20.446		
4,500.00	4,450.65	4,488.48	4,478.75	11.63	9.90	176.99	-224.17	-35.97	413.73	393.46	20.26	20.420		
4,600.00	4,549.41	4,588.08	4,578.12	11.90	10.13	177.00	-230.93	-36.81	422.62	401.89	20.73	20.389		
4,700.00	4,648.18	4,687.69	4,677.49	12.18	10.36	177.01	-237.68	-37.65	431.51	410.31	21.20	20.352		
4,800.00	4,746.95	4,787.29	4,776.86	12.47	10.60	177.01	-244.44	-38.49	440.41	418.72	21.68	20.312		
4,900.00	4,845.71	4,886.89	4,876.23	12.75	10.84	177.02	-251.20	-39.33	449.30	427.13	22.17	20.269		
5,000.00	4,944.48	4,986.50	4,975.61	13.04	11.08	177.03	-257.95	-40.17	458.19	435.54	22.66	20.224		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
5,100.00	5,043.24	5,086.10	5,074.98	13.33	11.32	177.03	-264.71	-41.02	467.09	443.94	23.15	20.176		
5,200.00	5,142.01	5,185.71	5,174.35	13.62	11.57	177.04	-271.47	-41.86	475.98	452.33	23.65	20.127		
5,300.00	5,240.78	5,285.31	5,273.72	13.92	11.81	177.04	-278.23	-42.70	484.87	460.72	24.15	20.076		
5,400.00	5,339.54	5,384.91	5,373.09	14.22	12.06	177.05	-284.98	-43.54	493.77	469.11	24.66	20.024		
5,500.00	5,438.31	5,484.52	5,472.46	14.52	12.32	177.06	-291.74	-44.38	502.66	477.49	25.17	19.971		
5,600.00	5,537.07	5,584.12	5,571.83	14.82	12.57	177.06	-298.50	-45.22	511.56	485.87	25.68	19.918		
5,700.00	5,635.84	5,683.72	5,671.20	15.12	12.82	177.07	-305.25	-46.07	520.45	494.25	26.20	19.865		
5,800.00	5,734.61	5,783.33	5,770.57	15.42	13.08	177.07	-312.01	-46.91	529.34	502.62	26.72	19.811		
5,900.00	5,833.37	5,882.93	5,869.94	15.73	13.34	177.07	-318.77	-47.75	538.24	510.99	27.24	19.757		
6,000.00	5,932.14	5,982.54	5,969.31	16.04	13.60	177.08	-325.52	-48.59	547.13	519.36	27.77	19.704		
6,100.00	6,030.90	6,082.14	6,068.68	16.34	13.86	177.08	-332.28	-49.43	556.02	527.73	28.30	19.650		
6,200.00	6,129.67	6,181.74	6,168.05	16.65	14.12	177.09	-339.04	-50.27	564.92	536.09	28.83	19.598		
6,300.00	6,228.44	6,281.35	6,267.42	16.96	14.38	177.09	-345.80	-51.12	573.81	544.45	29.36	19.545		
6,400.00	6,327.20	6,380.95	6,366.80	17.28	14.64	177.10	-352.55	-51.96	582.70	552.81	29.89	19.493		
6,500.00	6,425.97	6,480.55	6,466.17	17.59	14.91	177.10	-359.31	-52.80	591.60	561.17	30.43	19.442		
6,600.00	6,524.73	6,579.48	6,564.85	17.90	15.16	177.88	-366.02	-52.58	600.51	569.56	30.95	19.402		
6,700.00	6,623.16	6,676.67	6,660.97	18.15	15.37	-134.62	-372.49	-40.42	609.52	578.13	31.39	19.418		
6,800.00	6,719.30	6,773.13	6,753.44	18.41	15.58	-114.21	-378.64	-14.01	618.37	586.58	31.80	19.448		
6,900.00	6,810.79	6,868.97	6,840.34	18.65	15.79	-104.87	-384.34	25.78	626.84	594.65	32.19	19.475		
7,000.00	6,895.36	6,964.32	6,919.92	18.89	15.99	-99.60	-389.48	77.89	634.70	602.10	32.59	19.475		
7,100.00	6,970.94	7,059.29	6,990.59	19.11	16.18	-96.24	-393.97	141.04	641.74	608.68	33.06	19.413		
7,200.00	7,035.67	7,154.00	7,050.96	19.33	16.37	-93.97	-397.70	213.80	647.80	614.15	33.65	19.253		
7,300.00	7,087.95	7,248.55	7,099.84	19.55	16.59	-92.44	-400.61	294.59	652.70	618.29	34.41	18.966		
7,400.00	7,126.50	7,343.06	7,136.25	19.81	16.97	-91.46	-402.65	381.69	656.35	620.94	35.41	18.538		
7,500.00	7,150.36	7,437.61	7,159.41	20.16	17.55	-90.95	-403.76	473.26	658.63	622.00	36.63	17.981		
7,600.00	7,158.95	7,532.30	7,168.79	20.66	18.26	-90.86	-403.92	567.40	659.50	621.44	38.07	17.325		
7,700.00	7,159.22	7,631.43	7,169.02	21.32	19.12	-90.85	-403.43	666.53	659.70	619.94	39.76	16.591		
7,800.00	7,159.47	7,731.43	7,169.05	22.13	20.09	-90.83	-402.93	766.52	659.91	618.24	41.66	15.838		
7,900.00	7,159.72	7,831.43	7,169.09	23.06	21.14	-90.81	-402.43	866.52	660.11	616.37	43.74	15.091		
8,000.00	7,159.98	7,931.43	7,169.12	24.08	22.28	-90.79	-401.92	966.52	660.32	614.35	45.97	14.364		
8,100.00	7,160.23	8,031.43	7,169.15	25.19	23.47	-90.77	-401.42	1,066.52	660.53	612.20	48.33	13.667		
8,200.00	7,160.48	8,131.43	7,169.18	26.36	24.72	-90.75	-400.92	1,166.52	660.73	609.93	50.80	13.007		
8,300.00	7,160.74	8,231.43	7,169.21	27.58	26.02	-90.74	-400.41	1,266.52	660.94	607.58	53.36	12.386		
8,400.00	7,160.99	8,331.43	7,169.24	28.85	27.36	-90.72	-399.91	1,366.51	661.15	605.13	56.01	11.804		
8,500.00	7,161.24	8,431.43	7,169.28	30.16	28.73	-90.70	-399.40	1,466.51	661.35	602.62	58.73	11.261		
8,600.00	7,161.50	8,531.43	7,169.31	31.50	30.14	-90.68	-398.90	1,566.51	661.56	600.05	61.51	10.755		
8,700.00	7,161.75	8,631.43	7,169.34	32.88	31.57	-90.66	-398.40	1,666.51	661.77	597.42	64.35	10.284		
8,800.00	7,162.00	8,731.43	7,169.37	34.28	33.02	-90.64	-397.89	1,766.51	661.97	594.74	67.23	9.846		
8,900.00	7,162.25	8,831.43	7,169.40	35.71	34.49	-90.62	-397.39	1,866.51	662.18	592.03	70.15	9.439		
9,000.00	7,162.51	8,931.43	7,169.43	37.15	35.98	-90.60	-396.89	1,966.50	662.39	589.28	73.11	9.060		
9,100.00	7,162.76	9,031.43	7,169.47	38.62	37.49	-90.58	-396.38	2,066.50	662.59	586.49	76.10	8.707		
9,200.00	7,163.01	9,131.43	7,169.50	40.10	39.00	-90.56	-395.88	2,166.50	662.80	583.68	79.12	8.377		
9,300.00	7,163.27	9,231.43	7,169.53	41.59	40.53	-90.54	-395.37	2,266.50	663.01	580.84	82.17	8.069		
9,400.00	7,163.52	9,331.43	7,169.56	43.10	42.08	-90.52	-394.87	2,366.50	663.22	577.98	85.23	7.781		
9,500.00	7,163.77	9,431.43	7,169.59	44.62	43.63	-90.50	-394.37	2,466.50	663.42	575.11	88.32	7.512		
9,600.00	7,164.03	9,531.42	7,169.63	46.15	45.18	-90.48	-393.86	2,566.49	663.63	572.21	91.42	7.259		
9,700.00	7,164.28	9,631.42	7,169.66	47.69	46.75	-90.46	-393.36	2,666.49	663.84	569.29	94.54	7.021		
9,800.00	7,164.53	9,731.42	7,169.69	49.24	48.33	-90.45	-392.86	2,766.49	664.05	566.37	97.68	6.798		
9,900.00	7,164.79	9,831.42	7,169.72	50.79	49.91	-90.43	-392.35	2,866.49	664.25	563.43	100.83	6.588		
10,000.00	7,165.04	9,931.42	7,169.75	52.36	51.49	-90.41	-391.85	2,966.49	664.46	560.47	103.99	6.390		
10,100.00	7,165.29	10,031.42	7,169.78	53.93	53.08	-90.39	-391.34	3,066.49	664.67	557.51	107.16	6.203		
10,200.00	7,165.54	10,131.42	7,169.82	55.50	54.68	-90.37	-390.84	3,166.48	664.88	554.54	110.34	6.026		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	
10,300.00	7,165.80	10,231.42	7,169.85	57.08	56.28	-90.35	-390.34	3,266.48	665.09	551.55	113.53	5.858	
10,400.00	7,166.05	10,331.42	7,169.88	58.67	57.88	-90.33	-389.83	3,366.48	665.29	548.56	116.73	5.699	
10,500.00	7,166.30	10,431.42	7,169.91	60.26	59.49	-90.31	-389.33	3,466.48	665.50	545.56	119.94	5.549	
10,600.00	7,166.56	10,531.42	7,169.94	61.85	61.10	-90.29	-388.83	3,566.48	665.71	542.56	123.15	5.405	
10,700.00	7,166.81	10,631.42	7,169.97	63.45	62.72	-90.27	-388.32	3,666.47	665.92	539.54	126.38	5.269	
10,800.00	7,167.06	10,731.42	7,170.01	65.06	64.33	-90.25	-387.82	3,766.47	666.13	536.52	129.60	5.140	
10,900.00	7,167.32	10,831.42	7,170.04	66.66	65.95	-90.23	-387.31	3,866.47	666.34	533.50	132.84	5.016	
11,000.00	7,167.57	10,931.42	7,170.07	68.27	67.58	-90.22	-386.81	3,966.47	666.54	530.47	136.07	4.898	
11,100.00	7,167.82	11,031.42	7,170.10	69.88	69.20	-90.20	-386.31	4,066.47	666.75	527.44	139.32	4.786	
11,200.00	7,168.08	11,131.42	7,170.13	71.50	70.83	-90.18	-385.80	4,166.47	666.96	524.40	142.56	4.678	
11,300.00	7,168.33	11,231.42	7,170.16	73.11	72.46	-90.16	-385.30	4,266.46	667.17	521.35	145.82	4.575	
11,400.00	7,168.58	11,331.42	7,170.20	74.73	74.09	-90.14	-384.80	4,366.46	667.38	518.31	149.07	4.477	
11,500.00	7,168.84	11,431.42	7,170.23	76.35	75.72	-90.12	-384.29	4,466.46	667.59	515.26	152.33	4.382	
11,600.00	7,169.09	11,531.42	7,170.26	77.98	77.35	-90.10	-383.79	4,566.46	667.80	512.20	155.59	4.292	
11,700.00	7,169.34	11,631.41	7,170.29	79.60	78.99	-90.08	-383.28	4,666.46	668.01	509.15	158.86	4.205	
11,800.00	7,169.59	11,731.41	7,170.32	81.23	80.63	-90.06	-382.78	4,766.46	668.22	506.09	162.13	4.121	
11,900.00	7,169.85	11,831.39	7,170.35	82.86	82.27	-90.05	-382.28	4,866.43	670.09	504.69	165.40	4.051	
12,000.00	7,170.10	11,931.29	7,170.39	84.50	83.90	-90.03	-381.77	4,966.32	674.69	506.02	168.67	4.000	
12,100.00	7,170.36	12,031.17	7,170.42	86.14	85.54	-90.01	-381.27	5,066.21	679.48	507.53	171.95	3.952	
12,200.00	7,170.61	12,131.05	7,170.45	87.78	87.18	-89.99	-380.77	5,166.09	684.28	509.05	175.23	3.905	
12,300.00	7,170.87	12,230.94	7,170.48	89.43	88.82	-89.97	-380.26	5,265.97	689.07	510.56	178.51	3.860	
12,400.00	7,171.12	12,330.82	7,170.51	91.07	90.47	-89.96	-379.76	5,365.86	693.87	512.07	181.80	3.817	
12,500.00	7,171.38	12,430.71	7,170.54	92.72	92.11	-89.94	-379.26	5,465.74	698.66	513.57	185.09	3.775	
12,600.00	7,171.63	12,530.59	7,170.58	94.36	93.75	-89.92	-378.75	5,565.62	703.45	515.08	188.37	3.734	
12,700.00	7,171.89	12,630.48	7,170.61	96.01	95.40	-89.90	-378.25	5,665.51	708.25	516.58	191.67	3.695	
12,800.00	7,172.14	12,739.54	7,170.64	97.66	97.20	-89.88	-377.94	5,774.57	712.86	517.64	195.22	3.652	
12,900.00	7,172.40	12,845.08	7,170.68	99.31	98.94	-89.87	-379.50	5,880.09	715.66	516.99	198.66	3.602	
13,000.00	7,172.65	12,945.04	7,170.71	100.96	100.59	-89.85	-381.07	5,980.04	718.38	516.42	201.96	3.557	
13,100.00	7,172.91	13,045.00	7,170.74	102.61	102.24	-89.83	-382.63	6,079.99	721.11	515.84	205.27	3.513	
13,200.00	7,173.16	13,144.96	7,170.77	104.26	103.89	-89.81	-384.20	6,179.94	723.84	515.27	208.57	3.470	
13,300.00	7,173.42	13,244.95	7,170.80	105.91	105.55	-89.79	-385.76	6,279.92	724.94	513.07	211.87	3.422	
13,400.00	7,173.67	13,344.92	7,170.83	107.55	107.20	-89.77	-387.33	6,379.87	722.55	507.38	215.17	3.358	
13,500.00	7,173.92	13,444.76	7,170.87	109.19	108.86	-89.75	-388.89	6,479.70	716.98	498.52	218.46	3.282	
13,600.00	7,174.18	13,544.57	7,170.90	110.82	110.51	-89.73	-390.45	6,579.50	710.82	489.07	221.76	3.205	
13,700.00	7,174.43	13,644.38	7,170.93	112.46	112.16	-89.71	-392.01	6,679.30	704.66	479.61	225.05	3.131	
13,800.00	7,174.68	13,744.19	7,170.96	114.09	113.81	-89.69	-393.58	6,779.10	698.51	470.16	228.35	3.059	
13,900.00	7,174.94	13,844.00	7,170.99	115.73	115.47	-89.66	-395.14	6,878.89	692.35	460.71	231.64	2.989	
14,000.00	7,175.19	13,943.81	7,171.02	117.37	117.12	-89.64	-396.70	6,978.69	686.19	451.25	234.94	2.921	
14,100.00	7,175.44	14,043.62	7,171.06	119.01	118.78	-89.62	-398.26	7,078.49	680.03	441.80	238.24	2.854	
14,200.00	7,175.70	14,143.43	7,171.09	120.65	120.43	-89.60	-399.82	7,178.29	673.88	432.34	241.54	2.790	
14,300.00	7,175.95	14,243.24	7,171.12	122.29	122.09	-89.58	-401.39	7,278.08	667.72	422.88	244.84	2.727	
14,400.00	7,176.20	14,343.05	7,171.15	123.93	123.75	-89.55	-402.95	7,377.88	661.56	413.43	248.14	2.666	
14,500.00	7,176.46	14,442.86	7,171.18	125.57	125.40	-89.53	-404.51	7,477.68	655.40	403.97	251.44	2.607	
14,600.00	7,176.71	14,542.67	7,171.21	127.21	127.06	-89.51	-406.07	7,577.48	649.25	394.51	254.74	2.549	
14,700.00	7,176.96	14,642.56	7,171.25	128.86	128.72	-89.49	-407.64	7,677.36	644.67	386.63	258.05	2.498	
14,800.00	7,177.21	14,742.55	7,171.28	130.51	130.38	-89.47	-409.20	7,777.33	643.28	381.92	261.36	2.461	
14,900.00	7,177.47	14,842.54	7,171.31	132.17	132.04	-89.45	-410.77	7,877.32	642.47	377.80	264.68	2.427	
15,000.00	7,177.72	14,942.54	7,171.34	133.82	133.70	-89.43	-412.33	7,977.30	641.67	373.68	267.99	2.394	
15,100.00	7,177.97	15,042.54	7,171.37	135.48	135.36	-89.41	-413.90	8,077.28	640.87	369.55	271.31	2.362	
15,200.00	7,178.23	15,142.53	7,171.40	137.14	137.03	-89.39	-415.46	8,177.27	640.06	365.43	274.63	2.331	
15,300.00	7,178.48	15,242.53	7,171.44	138.80	138.69	-89.37	-417.03	8,277.25	639.26	361.31	277.95	2.300	
15,400.00	7,178.73	15,342.53	7,171.47	140.46	140.35	-89.35	-418.59	8,377.24	638.46	357.19	281.27	2.270	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
15,500.00	7,178.99	15,442.52	7,171.50	142.12	142.01	-89.33	-420.16	8,477.22	637.65	353.06	284.59	2.241		
15,600.00	7,179.24	15,542.52	7,171.53	143.78	143.68	-89.31	-421.72	8,577.21	636.85	348.94	287.92	2.212		
15,700.00	7,179.49	15,642.52	7,171.56	145.43	145.34	-89.28	-423.29	8,677.19	636.05	344.81	291.24	2.184		
15,800.00	7,179.75	15,742.51	7,171.60	147.09	147.00	-89.26	-424.85	8,777.17	635.25	340.69	294.56	2.157		
15,900.00	7,180.00	15,842.51	7,171.63	148.75	148.67	-89.24	-426.42	8,877.16	634.44	336.56	297.88	2.130		
16,000.00	7,180.25	15,942.51	7,171.66	150.42	150.33	-89.22	-427.98	8,977.14	633.64	332.44	301.21	2.104		
16,100.00	7,180.51	16,042.50	7,171.69	152.08	152.00	-89.20	-429.55	9,077.13	632.84	328.31	304.53	2.078		
16,200.00	7,180.76	16,142.50	7,171.72	153.74	153.66	-89.18	-431.11	9,177.11	632.04	324.18	307.85	2.053		
16,300.00	7,181.01	16,242.49	7,171.75	155.40	155.32	-89.16	-432.68	9,277.09	631.23	320.06	311.18	2.029		
16,400.00	7,181.27	16,342.49	7,171.79	157.06	156.99	-89.14	-434.24	9,377.08	630.43	315.93	314.50	2.005		
16,500.00	7,181.52	16,442.49	7,171.82	158.72	158.65	-89.12	-435.81	9,477.06	629.63	311.80	317.83	1.981		
16,600.00	7,181.77	16,542.48	7,171.85	160.38	160.32	-89.09	-437.37	9,577.05	628.83	307.67	321.15	1.958		
16,700.00	7,182.03	16,642.48	7,171.88	162.05	161.98	-89.07	-438.94	9,677.03	628.03	303.55	324.48	1.935		
16,788.68	7,182.25	16,726.12	7,171.91	163.52	163.38	-89.06	-440.15	9,760.67	627.43	300.13	327.30	1.917		
16,800.00	7,182.28	16,735.41	7,171.91	163.71	163.53	-89.05	-440.21	9,769.95	627.45	299.83	327.61	1.915		
16,900.00	7,182.53	16,830.90	7,171.94	165.37	165.12	-89.04	-440.02	9,865.44	628.40	297.60	330.79	1.900		
17,000.00	7,182.79	16,930.90	7,171.97	167.03	166.78	-89.02	-439.74	9,965.44	629.44	295.32	334.12	1.884		
17,100.00	7,183.04	17,030.89	7,172.00	168.70	168.44	-89.00	-439.46	10,065.43	630.48	293.04	337.44	1.868		
17,200.00	7,183.29	17,130.89	7,172.04	170.36	170.11	-88.98	-439.18	10,165.43	631.52	290.75	340.77	1.853		
17,300.00	7,183.55	17,230.88	7,172.07	172.02	171.77	-88.96	-438.90	10,265.42	632.57	288.47	344.10	1.838		
17,400.00	7,183.80	17,330.88	7,172.10	173.69	173.44	-88.94	-438.62	10,365.41	633.61	286.19	347.42	1.824		
17,500.00	7,184.05	17,430.87	7,172.13	175.35	175.10	-88.93	-438.34	10,465.41	634.65	283.90	350.75	1.809		
17,600.00	7,184.31	17,530.86	7,172.16	177.01	176.76	-88.91	-438.07	10,565.40	635.69	281.62	354.08	1.795		
17,700.00	7,184.56	17,630.86	7,172.19	178.68	178.43	-88.89	-437.79	10,665.40	636.74	279.33	357.40	1.782		
17,800.00	7,184.81	17,730.85	7,172.23	180.34	180.09	-88.87	-437.51	10,765.39	637.78	277.05	360.73	1.768		
17,900.00	7,185.07	17,830.85	7,172.26	182.01	181.76	-88.85	-437.23	10,865.38	638.82	274.76	364.06	1.755		
18,000.00	7,185.32	17,930.84	7,172.29	183.67	183.42	-88.83	-436.95	10,965.38	639.86	272.48	367.38	1.742		
18,100.00	7,185.57	18,030.84	7,172.32	185.33	185.09	-88.82	-436.67	11,065.37	640.91	270.19	370.71	1.729		
18,200.00	7,185.83	18,130.83	7,172.35	187.00	186.75	-88.80	-436.39	11,165.37	641.95	267.91	374.04	1.716		
18,300.00	7,186.08	18,230.82	7,172.38	188.66	188.42	-88.78	-436.11	11,265.36	642.99	265.62	377.37	1.704		
18,400.00	7,186.33	18,330.82	7,172.42	190.33	190.08	-88.76	-435.83	11,365.35	644.04	263.34	380.70	1.692		
18,500.00	7,186.59	18,430.81	7,172.45	191.99	191.75	-88.75	-435.56	11,465.35	645.08	261.05	384.03	1.680		
18,600.00	7,186.84	18,530.81	7,172.48	193.66	193.41	-88.73	-435.28	11,565.34	646.12	258.77	387.36	1.668		
18,700.00	7,187.09	18,630.80	7,172.51	195.33	195.08	-88.71	-435.00	11,665.34	647.17	256.48	390.68	1.656		
18,800.00	7,187.35	18,730.80	7,172.54	196.99	196.74	-88.69	-434.72	11,765.33	648.21	254.20	394.01	1.645		
18,900.00	7,187.60	18,830.79	7,172.57	198.66	198.41	-88.68	-434.44	11,865.32	649.25	251.91	397.34	1.634		
19,000.00	7,187.85	18,930.78	7,172.61	200.32	200.08	-88.66	-434.16	11,965.32	650.30	249.62	400.67	1.623		
19,100.00	7,188.11	19,030.78	7,172.64	201.99	201.74	-88.64	-433.88	12,065.31	651.34	247.34	404.00	1.612		
19,200.00	7,188.36	19,130.77	7,172.67	203.65	203.41	-88.62	-433.60	12,165.31	652.38	245.05	407.33	1.602		
19,300.00	7,188.61	19,230.77	7,172.70	205.32	205.07	-88.61	-433.32	12,265.30	653.43	242.76	410.66	1.591		
19,400.00	7,188.87	19,330.76	7,172.73	206.99	206.74	-88.59	-433.05	12,365.29	654.47	240.48	413.99	1.581		
19,500.00	7,189.12	19,430.76	7,172.77	208.65	208.41	-88.57	-432.77	12,465.29	655.51	238.19	417.32	1.571		
19,600.00	7,189.37	19,530.75	7,172.80	210.32	210.07	-88.55	-432.49	12,565.28	656.56	235.90	420.65	1.561		
19,700.00	7,189.63	19,630.75	7,172.83	211.99	211.74	-88.54	-432.21	12,665.28	657.60	233.62	423.98	1.551		
19,800.00	7,189.88	19,730.74	7,172.86	213.65	213.40	-88.52	-431.93	12,765.27	658.64	231.33	427.31	1.541		
19,900.00	7,190.13	19,830.73	7,172.89	215.32	215.07	-88.50	-431.65	12,865.26	659.69	229.04	430.65	1.532		
20,000.00	7,190.39	19,930.73	7,172.92	216.99	216.74	-88.49	-431.37	12,965.26	660.73	226.76	433.98	1.523		
20,100.00	7,190.64	20,030.72	7,172.96	218.65	218.40	-88.47	-431.09	13,065.25	661.78	224.47	437.31	1.513		
20,200.00	7,190.89	20,130.72	7,172.99	220.32	220.07	-88.45	-430.81	13,165.25	662.82	222.18	440.64	1.504		
20,242.80	7,191.00	20,173.51	7,173.00	221.04	220.78	-88.45	-430.69	13,208.04	663.27	221.21	442.06	1.500 SF		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	-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	301.41	301.39	3.34	3.35	175.86	38.29	-0.46	40.05	32.40	7.65	5.236	
400.00	399.84	402.82	402.65	3.40	3.41	175.57	32.93	-1.00	40.00	32.25	7.75	5.159	
454.58	454.25	458.17	457.82	3.45	3.45	175.33	28.51	-1.44	39.95	32.13	7.83	5.105 CC	
500.00	499.45	503.50	502.98	3.49	3.49	175.17	24.54	-1.84	40.37	32.46	7.90	5.107	
600.00	598.70	603.44	602.53	3.60	3.60	175.12	15.79	-2.72	43.79	35.68	8.11	5.401	
700.00	697.53	703.23	701.93	3.75	3.73	175.37	7.05	-3.60	50.26	41.91	8.36	6.015	
800.00	796.30	802.99	801.30	3.93	3.88	175.61	-1.69	-4.48	57.18	48.54	8.64	6.620	
900.00	895.07	902.75	900.67	4.14	4.05	175.79	-10.43	-5.36	64.09	55.14	8.95	7.159	
1,000.00	993.83	1,002.51	1,000.05	4.37	4.24	175.94	-19.16	-6.24	71.01	61.71	9.30	7.637	
1,100.00	1,092.60	1,102.27	1,099.42	4.61	4.44	176.07	-27.90	-7.12	77.93	68.26	9.67	8.058	
1,200.00	1,191.37	1,202.03	1,198.79	4.88	4.65	176.17	-36.64	-8.00	84.85	74.78	10.07	8.428	
1,300.00	1,290.13	1,301.79	1,298.17	5.15	4.88	176.26	-45.37	-8.88	91.76	81.28	10.48	8.754	
1,400.00	1,388.90	1,401.55	1,397.54	5.44	5.11	176.33	-54.11	-9.76	98.68	87.77	10.92	9.040	
1,500.00	1,487.66	1,501.31	1,496.91	5.74	5.35	176.40	-62.85	-10.64	105.60	94.24	11.37	9.291	
1,600.00	1,586.43	1,601.07	1,596.29	6.04	5.60	176.45	-71.59	-11.52	112.52	100.69	11.83	9.512	
1,700.00	1,685.20	1,700.83	1,695.66	6.36	5.85	176.51	-80.32	-12.40	119.44	107.13	12.30	9.707	
1,800.00	1,783.96	1,800.59	1,795.03	6.68	6.11	176.55	-89.06	-13.28	126.36	113.57	12.79	9.879	
1,900.00	1,882.73	1,900.35	1,894.41	6.85	6.25	176.59	-97.80	-14.16	133.28	120.61	12.66	10.526	
2,000.00	1,981.49	2,000.11	1,993.78	6.89	6.27	176.63	-106.54	-15.04	140.19	127.50	12.69	11.047	
2,100.00	2,080.26	2,100.13	2,093.15	6.94	6.30	176.66	-115.27	-15.92	147.11	134.36	12.75	11.539	
2,200.00	2,179.03	2,200.37	2,192.53	7.01	6.35	176.69	-124.01	-16.80	154.03	141.20	12.84	12.000	
2,300.00	2,277.79	2,299.39	2,291.90	7.09	6.42	176.72	-132.75	-17.68	160.95	148.00	12.95	12.429	
2,400.00	2,376.56	2,400.85	2,391.27	7.19	6.49	176.74	-141.48	-18.56	167.87	154.78	13.09	12.822	
2,500.00	2,475.32	2,501.09	2,490.64	7.31	6.58	176.77	-150.22	-19.44	174.79	161.53	13.26	13.181	
2,600.00	2,574.09	2,601.33	2,590.02	7.44	6.69	176.79	-158.96	-20.32	181.71	168.25	13.45	13.506	
2,700.00	2,672.86	2,701.56	2,689.39	7.58	6.80	176.81	-167.70	-21.20	188.63	174.96	13.67	13.798	
2,800.00	2,771.62	2,801.80	2,788.76	7.73	6.93	176.83	-176.43	-22.08	195.55	181.64	13.91	14.057	
2,900.00	2,870.39	2,902.04	2,888.14	7.90	7.06	176.84	-185.17	-22.96	202.47	188.29	14.17	14.285	
3,000.00	2,969.16	3,002.28	2,987.51	8.07	7.21	176.86	-193.91	-23.84	209.38	194.93	14.46	14.485	
3,100.00	3,067.92	3,102.52	3,086.88	8.26	7.36	176.87	-202.64	-24.72	216.30	201.55	14.76	14.658	
3,200.00	3,166.69	3,197.24	3,186.26	8.46	7.52	176.89	-211.38	-25.60	223.22	208.16	15.07	14.815	
3,300.00	3,265.45	3,297.00	3,285.63	8.66	7.69	176.90	-220.12	-26.48	230.14	214.74	15.40	14.942	
3,400.00	3,364.22	3,403.24	3,385.00	8.88	7.88	176.91	-228.86	-27.36	237.06	221.30	15.76	15.038	
3,500.00	3,462.99	3,503.48	3,484.38	9.10	8.07	176.93	-237.59	-28.24	243.98	227.85	16.13	15.125	
3,600.00	3,561.75	3,603.72	3,583.75	9.32	8.26	176.94	-246.33	-29.12	250.90	234.39	16.51	15.195	
3,700.00	3,660.52	3,703.96	3,683.12	9.56	8.46	176.95	-255.07	-30.00	257.82	240.91	16.90	15.251	
3,800.00	3,759.28	3,804.20	3,782.49	9.80	8.67	176.96	-263.81	-30.88	264.74	247.43	17.31	15.294	
3,900.00	3,858.05	3,904.44	3,881.87	10.05	8.88	176.97	-272.54	-31.76	271.66	253.93	17.73	15.326	
4,000.00	3,956.82	4,004.68	3,981.24	10.30	9.10	176.98	-281.28	-32.64	278.58	260.43	18.15	15.347	
4,100.00	4,055.58	4,104.92	4,080.61	10.56	9.32	176.98	-290.02	-33.52	285.50	266.91	18.59	15.360	
4,200.00	4,154.35	4,205.16	4,179.99	10.82	9.54	176.99	-298.75	-34.40	292.42	273.38	19.03	15.365	
4,300.00	4,253.11	4,305.40	4,279.36	11.08	9.77	177.00	-307.49	-35.28	299.33	279.85	19.48	15.363	
4,400.00	4,351.88	4,405.64	4,378.73	11.35	10.01	177.01	-316.23	-36.16	306.25	286.31	19.94	15.356	
4,500.00	4,450.65	4,505.88	4,478.11	11.63	10.24	177.01	-324.97	-37.04	313.17	292.76	20.41	15.343	
4,600.00	4,549.41	4,593.88	4,577.48	11.90	10.45	177.02	-333.70	-37.92	320.09	299.23	20.86	15.347	
4,700.00	4,648.18	4,693.64	4,676.85	12.18	10.70	177.03	-342.44	-38.80	327.01	305.68	21.34	15.327	
4,800.00	4,746.95	4,806.60	4,776.23	12.47	10.97	177.03	-351.18	-39.68	333.93	312.08	21.85	15.282	
4,900.00	4,845.71	4,906.84	4,875.60	12.75	11.22	177.04	-359.91	-40.56	340.85	318.51	22.34	15.256	
5,000.00	4,944.48	5,007.08	4,974.97	13.04	11.47	177.05	-368.65	-41.44	347.77	324.93	22.84	15.228	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
5,100.00	5,043.24	5,092.68	5,074.34	13.33	11.69	177.05	-377.39	-42.31	354.69	331.39	23.30	15.220		
5,200.00	5,142.01	5,207.56	5,173.72	13.62	11.98	177.06	-386.13	-43.19	361.61	337.76	23.84	15.166		
5,300.00	5,240.78	5,307.80	5,273.09	13.92	12.24	177.06	-394.86	-44.07	368.53	344.17	24.35	15.133		
5,400.00	5,339.54	5,408.04	5,372.46	14.22	12.50	177.07	-403.60	-44.95	375.45	350.58	24.87	15.099		
5,500.00	5,438.31	5,508.28	5,471.84	14.52	12.76	177.07	-412.34	-45.83	382.37	356.98	25.38	15.064		
5,600.00	5,537.07	5,608.52	5,571.21	14.82	13.03	177.08	-421.08	-46.71	389.29	363.38	25.90	15.029		
5,700.00	5,635.84	5,708.76	5,670.58	15.12	13.29	177.08	-429.81	-47.59	396.20	369.78	26.43	14.993		
5,800.00	5,734.61	5,808.99	5,769.96	15.42	13.56	177.08	-438.55	-48.47	403.12	376.17	26.95	14.957		
5,900.00	5,833.37	5,909.23	5,869.33	15.73	13.82	177.09	-447.29	-49.35	410.04	382.56	27.48	14.921		
6,000.00	5,932.14	6,009.47	5,968.70	16.04	14.09	177.09	-456.02	-50.23	416.96	388.95	28.01	14.885		
6,100.00	6,030.90	6,109.71	6,068.08	16.34	14.36	177.10	-464.76	-51.11	423.88	395.34	28.55	14.849		
6,200.00	6,129.67	6,190.05	6,167.45	16.65	14.58	177.10	-473.50	-51.99	430.80	401.77	29.03	14.839		
6,300.00	6,228.44	6,289.81	6,266.82	16.96	14.85	177.10	-482.24	-52.87	437.72	408.15	29.57	14.804		
6,400.00	6,327.20	6,389.57	6,366.19	17.28	15.13	177.11	-490.97	-53.75	444.64	414.53	30.11	14.768		
6,500.00	6,425.97	6,489.33	6,465.57	17.59	15.40	177.11	-499.71	-54.63	451.56	420.91	30.65	14.733		
6,600.00	6,524.73	6,589.09	6,564.94	17.90	15.67	177.78	-508.45	-55.51	458.48	427.29	31.19	14.699		
6,700.00	6,623.16	6,689.13	6,664.48	18.15	15.92	-135.93	-517.26	-52.57	465.25	433.58	31.68	14.687		
6,800.00	6,719.30	6,790.00	6,763.22	18.41	16.15	-116.76	-526.22	-34.53	471.63	439.52	32.12	14.685		
6,900.00	6,810.79	6,891.70	6,858.61	18.65	16.38	-108.57	-535.14	-0.74	477.46	444.92	32.53	14.676		
7,000.00	6,895.36	6,994.20	6,948.08	18.89	16.61	-104.34	-543.76	48.30	482.57	449.61	32.96	14.643		
7,100.00	6,970.94	7,097.46	7,029.09	19.11	16.82	-101.90	-551.85	111.62	486.83	453.40	33.44	14.560		
7,200.00	7,035.67	7,201.39	7,099.25	19.33	17.04	-100.40	-559.18	187.78	490.13	456.09	34.05	14.395		
7,300.00	7,087.95	7,305.88	7,156.40	19.55	17.27	-99.49	-565.53	274.89	492.37	457.51	34.87	14.120		
7,400.00	7,126.50	7,410.80	7,198.73	19.81	17.61	-98.97	-570.70	370.62	493.49	457.54	35.95	13.726		
7,500.00	7,150.36	7,515.99	7,224.88	20.16	18.15	-98.74	-574.54	472.32	493.44	456.13	37.31	13.225		
7,600.00	7,158.95	7,621.29	7,234.00	20.66	18.90	-98.76	-576.93	577.07	492.22	453.31	38.92	12.648		
7,700.00	7,159.22	7,721.36	7,234.17	21.32	19.75	-98.79	-578.46	677.13	490.41	449.75	40.66	12.060		
7,800.00	7,159.47	7,821.34	7,234.35	22.13	20.71	-98.81	-579.99	777.10	488.60	446.00	42.59	11.472		
7,900.00	7,159.72	7,921.33	7,234.52	23.06	21.76	-98.84	-581.52	877.07	486.78	442.10	44.69	10.893		
8,000.00	7,159.98	8,021.31	7,234.70	24.08	22.88	-98.86	-583.04	977.04	484.97	438.05	46.92	10.336		
8,100.00	7,160.23	8,121.29	7,234.87	25.19	24.06	-98.89	-584.57	1,077.01	483.16	433.88	49.28	9.804		
8,200.00	7,160.48	8,221.28	7,235.04	26.36	25.31	-98.91	-586.10	1,176.98	481.35	429.60	51.74	9.302		
8,300.00	7,160.74	8,321.26	7,235.22	27.58	26.60	-98.93	-587.63	1,276.96	479.53	425.23	54.30	8.831		
8,400.00	7,160.99	8,421.24	7,235.39	28.85	27.93	-98.96	-589.15	1,376.93	477.72	420.79	56.93	8.391		
8,500.00	7,161.24	8,521.23	7,235.57	30.16	29.29	-98.98	-590.68	1,476.90	475.91	416.27	59.64	7.980		
8,600.00	7,161.50	8,621.21	7,235.74	31.50	30.69	-99.01	-592.21	1,576.87	474.10	411.70	62.40	7.598		
8,700.00	7,161.75	8,721.19	7,235.91	32.88	32.11	-99.03	-593.74	1,676.84	472.29	407.08	65.21	7.243		
8,800.00	7,162.00	8,825.45	7,236.10	34.28	33.62	-99.06	-595.45	1,781.09	470.37	402.18	68.19	6.898		
8,900.00	7,162.25	8,927.80	7,236.27	35.71	35.12	-99.12	-598.45	1,883.39	467.17	396.01	71.16	6.565		
9,000.00	7,162.51	9,027.74	7,236.45	37.15	36.61	-99.17	-601.41	1,983.29	463.95	389.85	74.09	6.262		
9,100.00	7,162.76	9,127.69	7,236.62	38.62	38.11	-99.23	-604.37	2,083.19	460.72	383.66	77.06	5.979		
9,200.00	7,163.01	9,227.64	7,236.80	40.10	39.63	-99.28	-607.34	2,183.10	457.49	377.44	80.05	5.715		
9,300.00	7,163.27	9,327.58	7,236.97	41.59	41.15	-99.34	-610.30	2,283.00	454.26	371.20	83.06	5.469		
9,400.00	7,163.52	9,427.53	7,237.14	43.10	42.69	-99.39	-613.26	2,382.90	451.03	364.94	86.09	5.239		
9,500.00	7,163.77	9,527.48	7,237.32	44.62	44.24	-99.45	-616.22	2,482.80	447.80	358.66	89.14	5.023		
9,600.00	7,164.03	9,627.43	7,237.49	46.15	45.80	-99.51	-619.19	2,582.71	444.58	352.37	92.21	4.821		
9,700.00	7,164.28	9,727.37	7,237.66	47.69	47.37	-99.57	-622.15	2,682.61	441.35	346.06	95.30	4.631		
9,800.00	7,164.53	9,827.32	7,237.84	49.24	48.94	-99.63	-625.11	2,782.51	438.12	339.73	98.39	4.453		
9,900.00	7,164.79	9,927.27	7,238.01	50.79	50.52	-99.69	-628.07	2,882.42	434.90	333.40	101.50	4.285		
10,000.00	7,165.04	10,027.21	7,238.19	52.36	52.10	-99.76	-631.04	2,982.32	431.67	327.06	104.62	4.126		
10,100.00	7,165.29	10,127.16	7,238.36	53.93	53.70	-99.82	-634.00	3,082.22	428.45	320.70	107.75	3.976		
10,200.00	7,165.54	10,227.11	7,238.53	55.50	55.29	-99.88	-636.96	3,182.12	425.23	314.34	110.89	3.835		

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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		
10,300.00	7,165.80	10,327.05	7,238.71	57.08	56.89	-99.95	-639.92	3,282.03	422.00	307.97	114.03	3.701		
10,400.00	7,166.05	10,427.00	7,238.88	58.67	58.50	-100.02	-642.89	3,381.93	418.78	301.60	117.18	3.574		
10,500.00	7,166.30	10,526.95	7,239.05	60.26	60.10	-100.08	-645.85	3,481.83	415.56	295.22	120.34	3.453		
10,600.00	7,166.56	10,626.89	7,239.23	61.85	61.71	-100.15	-648.81	3,581.74	412.34	288.83	123.51	3.339		
10,700.00	7,166.81	10,726.84	7,239.40	63.45	63.33	-100.22	-651.77	3,681.64	409.12	282.44	126.68	3.230		
10,800.00	7,167.06	10,826.79	7,239.58	65.06	64.95	-100.29	-654.74	3,781.54	405.89	276.04	129.85	3.126		
10,900.00	7,167.32	10,926.73	7,239.75	66.66	66.57	-100.36	-657.70	3,881.44	402.68	269.65	133.03	3.027		
11,000.00	7,167.57	11,023.70	7,239.92	68.27	68.14	-100.43	-660.49	3,978.36	399.55	263.44	136.11	2.936		
11,100.00	7,167.82	11,115.49	7,240.08	69.88	69.63	-100.45	-661.22	4,070.16	398.43	259.46	138.98	2.867		
11,200.00	7,168.08	11,215.49	7,240.25	71.50	71.25	-100.45	-661.34	4,170.15	398.01	255.83	142.18	2.799		
11,300.00	7,168.33	11,315.49	7,240.43	73.11	72.88	-100.45	-661.45	4,270.15	397.60	252.21	145.39	2.735		
11,400.00	7,168.58	11,415.49	7,240.60	74.73	74.50	-100.45	-661.57	4,370.15	397.18	248.58	148.60	2.673		
11,500.00	7,168.84	11,515.49	7,240.77	76.35	76.13	-100.45	-661.69	4,470.15	396.76	244.94	151.82	2.613		
11,600.00	7,169.09	11,615.49	7,240.95	77.98	77.76	-100.45	-661.80	4,570.15	396.34	241.30	155.04	2.556		
11,700.00	7,169.34	11,715.49	7,241.12	79.60	79.40	-100.45	-661.92	4,670.15	395.92	237.66	158.26	2.502		
11,800.00	7,169.59	11,815.49	7,241.30	81.23	81.03	-100.44	-662.03	4,770.15	395.51	234.02	161.49	2.449		
11,812.45	7,169.63	11,827.94	7,241.32	81.43	81.23	-100.44	-662.05	4,782.60	395.48	233.59	161.89	2.443		
11,900.00	7,169.85	11,915.47	7,241.47	82.86	82.67	-100.41	-662.15	4,870.14	396.73	232.00	164.73	2.408		
12,000.00	7,170.10	12,015.39	7,241.65	84.50	84.30	-100.30	-662.27	4,970.06	400.63	232.64	167.99	2.385		
12,100.00	7,170.36	12,115.31	7,241.82	86.14	85.94	-100.18	-662.38	5,069.97	404.72	233.46	171.26	2.363		
12,200.00	7,170.61	12,215.22	7,241.99	87.78	87.58	-100.07	-662.50	5,169.88	408.82	234.28	174.53	2.342		
12,300.00	7,170.87	12,315.13	7,242.17	89.43	89.22	-99.96	-662.61	5,269.79	412.91	235.11	177.81	2.322		
12,400.00	7,171.12	12,415.04	7,242.34	91.07	90.86	-99.85	-662.73	5,369.71	417.01	235.93	181.09	2.303		
12,500.00	7,171.38	12,514.96	7,242.52	92.72	92.50	-99.74	-662.85	5,469.62	421.11	236.75	184.37	2.284		
12,600.00	7,171.63	12,614.87	7,242.69	94.36	94.14	-99.63	-662.96	5,569.53	425.22	237.56	187.65	2.266		
12,700.00	7,171.89	12,714.78	7,242.86	96.01	95.78	-99.53	-663.08	5,669.44	429.32	238.38	190.94	2.248		
12,800.00	7,172.14	12,814.70	7,243.04	97.66	97.43	-99.43	-663.19	5,769.36	433.42	239.20	194.23	2.232		
12,900.00	7,172.40	12,914.61	7,243.21	99.31	99.07	-99.33	-663.31	5,869.27	437.53	240.01	197.52	2.215		
13,000.00	7,172.65	13,014.52	7,243.39	100.96	100.72	-99.23	-663.43	5,969.18	441.64	240.83	200.81	2.199		
13,100.00	7,172.91	13,114.43	7,243.56	102.61	102.37	-99.13	-663.54	6,069.09	445.75	241.64	204.10	2.184		
13,200.00	7,173.16	13,214.35	7,243.74	104.26	104.02	-99.04	-663.66	6,169.01	449.86	242.45	207.40	2.169		
13,300.00	7,173.42	13,314.31	7,243.91	105.91	105.66	-98.97	-663.77	6,268.97	452.36	241.67	210.69	2.147		
13,400.00	7,173.67	13,414.30	7,244.08	107.55	107.31	-98.97	-663.89	6,368.96	451.42	237.47	213.95	2.110		
13,500.00	7,173.92	13,514.21	7,244.26	109.19	108.96	-99.05	-664.01	6,468.87	447.33	230.15	217.19	2.060		
13,600.00	7,174.18	13,614.10	7,244.43	110.82	110.61	-99.14	-664.12	6,568.76	442.67	222.25	220.42	2.008		
13,700.00	7,174.43	13,713.99	7,244.61	112.46	112.26	-99.22	-664.24	6,668.65	438.00	214.36	223.65	1.958		
13,800.00	7,174.68	13,813.88	7,244.78	114.09	113.92	-99.31	-664.35	6,768.54	433.34	206.46	226.88	1.910		
13,900.00	7,174.94	13,913.77	7,244.95	115.73	115.57	-99.40	-664.47	6,868.43	428.68	198.57	230.10	1.863		
14,000.00	7,175.19	14,013.66	7,245.13	117.37	117.22	-99.50	-664.59	6,968.31	424.02	190.69	233.33	1.817		
14,100.00	7,175.44	14,113.55	7,245.30	119.01	118.87	-99.59	-664.70	7,068.20	419.36	182.80	236.55	1.773		
14,200.00	7,175.70	14,213.44	7,245.48	120.65	120.53	-99.69	-664.82	7,168.09	414.70	174.92	239.78	1.730		
14,300.00	7,175.95	14,313.32	7,245.65	122.29	122.18	-99.79	-664.93	7,267.98	410.04	167.04	243.00	1.687		
14,400.00	7,176.20	14,413.21	7,245.82	123.93	123.83	-99.89	-665.05	7,367.87	405.38	159.17	246.22	1.646		
14,500.00	7,176.46	14,513.10	7,246.00	125.57	125.49	-100.00	-665.17	7,467.76	400.73	151.30	249.43	1.607		
14,600.00	7,176.71	14,612.99	7,246.17	127.21	127.14	-100.11	-665.28	7,567.65	396.08	143.43	252.65	1.568		
14,700.00	7,176.96	14,712.94	7,246.35	128.86	128.80	-100.17	-665.40	7,667.59	392.98	137.10	255.88	1.536		
14,769.03	7,177.14	14,781.96	7,246.47	130.00	129.94	-100.17	-665.48	7,736.62	392.50	134.37	258.13	1.521		
14,800.00	7,177.21	14,812.93	7,246.52	130.51	130.46	-100.16	-665.51	7,767.59	393.02	133.86	259.16	1.517		
14,900.00	7,177.47	14,912.93	7,246.69	132.17	132.11	-100.13	-665.63	7,867.59	393.64	131.19	262.44	1.500 Level 3		
15,000.00	7,177.72	15,012.93	7,246.87	133.82	133.77	-100.10	-665.75	7,967.59	394.26	128.52	265.73	1.484 Level 3		
15,100.00	7,177.97	15,112.93	7,247.04	135.48	135.43	-100.07	-665.86	8,067.58	394.88	125.85	269.02	1.468 Level 3		
15,200.00	7,178.23	15,212.93	7,247.22	137.14	137.09	-100.05	-665.98	8,167.58	395.50	123.18	272.32	1.452 Level 3		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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
15,300.00	7,178.48	15,312.92	7,247.39	138.80	138.75	-100.02	-666.09	8,267.58	396.12	120.51	275.61	1.437	Level 3
15,400.00	7,178.73	15,412.92	7,247.57	140.46	140.41	-99.99	-666.21	8,367.58	396.74	117.83	278.90	1.422	Level 3
15,500.00	7,178.99	15,512.92	7,247.74	142.12	142.07	-99.96	-666.33	8,467.57	397.36	115.16	282.20	1.408	Level 3
15,600.00	7,179.24	15,612.92	7,247.91	143.78	143.73	-99.94	-666.44	8,567.57	397.98	112.48	285.49	1.394	Level 3
15,700.00	7,179.49	15,712.92	7,248.09	145.43	145.39	-99.91	-666.56	8,667.57	398.60	109.81	288.79	1.380	Level 3
15,800.00	7,179.75	15,812.91	7,248.26	147.09	147.05	-99.88	-666.67	8,767.57	399.22	107.13	292.09	1.367	Level 3
15,900.00	7,180.00	15,912.91	7,248.44	148.75	148.71	-99.86	-666.79	8,867.56	399.84	104.45	295.39	1.354	Level 3
16,000.00	7,180.25	16,012.91	7,248.61	150.42	150.37	-99.83	-666.91	8,967.56	400.46	101.78	298.68	1.341	Level 3
16,100.00	7,180.51	16,112.91	7,248.79	152.08	152.03	-99.80	-667.02	9,067.56	401.08	99.10	301.98	1.328	Level 3
16,200.00	7,180.76	16,212.90	7,248.96	153.74	153.69	-99.78	-667.14	9,167.56	401.70	96.42	305.28	1.316	Level 3
16,300.00	7,181.01	16,312.90	7,249.13	155.40	155.35	-99.75	-667.25	9,267.55	402.32	93.74	308.58	1.304	Level 3
16,400.00	7,181.27	16,412.90	7,249.31	157.06	157.02	-99.72	-667.37	9,367.55	402.94	91.06	311.89	1.292	Level 3
16,500.00	7,181.52	16,512.90	7,249.48	158.72	158.68	-99.70	-667.49	9,467.55	403.56	88.37	315.19	1.280	Level 3
16,600.00	7,181.77	16,612.90	7,249.66	160.38	160.34	-99.67	-667.60	9,567.55	404.18	85.69	318.49	1.269	Level 3
16,700.00	7,182.03	16,712.89	7,249.83	162.05	162.00	-99.64	-667.72	9,667.55	404.81	83.01	321.80	1.258	Level 3
16,800.00	7,182.28	16,812.89	7,250.01	163.71	163.67	-99.62	-667.83	9,767.54	405.43	80.33	325.10	1.247	Level 2
16,900.00	7,182.53	16,912.89	7,250.18	165.37	165.33	-99.59	-667.95	9,867.54	406.05	77.64	328.41	1.236	Level 2
17,000.00	7,182.79	17,012.89	7,250.35	167.03	166.99	-99.56	-668.07	9,967.54	406.67	74.96	331.71	1.226	Level 2
17,100.00	7,183.04	17,112.89	7,250.53	168.70	168.66	-99.54	-668.18	10,067.54	407.29	72.27	335.02	1.216	Level 2
17,200.00	7,183.29	17,212.88	7,250.70	170.36	170.32	-99.51	-668.30	10,167.53	407.91	69.59	338.32	1.206	Level 2
17,300.00	7,183.55	17,312.88	7,250.88	172.02	171.98	-99.49	-668.41	10,267.53	408.53	66.90	341.63	1.196	Level 2
17,400.00	7,183.80	17,412.88	7,251.05	173.69	173.65	-99.46	-668.53	10,367.53	409.16	64.22	344.94	1.186	Level 2
17,500.00	7,184.05	17,512.88	7,251.23	175.35	175.31	-99.44	-668.65	10,467.53	409.78	61.53	348.25	1.177	Level 2
17,600.00	7,184.31	17,612.88	7,251.40	177.01	176.97	-99.41	-668.76	10,567.52	410.40	58.84	351.56	1.167	Level 2
17,700.00	7,184.56	17,712.87	7,251.57	178.68	178.64	-99.38	-668.88	10,667.52	411.02	56.15	354.87	1.158	Level 2
17,800.00	7,184.81	17,812.87	7,251.75	180.34	180.30	-99.36	-669.00	10,767.52	411.64	53.46	358.18	1.149	Level 2
17,900.00	7,185.07	17,912.87	7,251.92	182.01	181.97	-99.33	-669.11	10,867.52	412.27	50.78	361.49	1.140	Level 2
18,000.00	7,185.32	18,012.87	7,252.10	183.67	183.63	-99.31	-669.23	10,967.52	412.89	48.09	364.80	1.132	Level 2
18,100.00	7,185.57	18,112.86	7,252.27	185.33	185.30	-99.28	-669.34	11,067.51	413.51	45.40	368.11	1.123	Level 2
18,200.00	7,185.83	18,212.86	7,252.44	187.00	186.96	-99.26	-669.46	11,167.51	414.13	42.71	371.43	1.115	Level 2
18,300.00	7,186.08	18,312.86	7,252.62	188.66	188.63	-99.23	-669.58	11,267.51	414.75	40.02	374.74	1.107	Level 2
18,400.00	7,186.33	18,412.86	7,252.79	190.33	190.29	-99.21	-669.69	11,367.51	415.38	37.33	378.05	1.099	Level 2
18,500.00	7,186.59	18,512.86	7,252.97	191.99	191.96	-99.18	-669.81	11,467.50	416.00	34.63	381.37	1.091	Level 2
18,600.00	7,186.84	18,612.85	7,253.14	193.66	193.62	-99.16	-669.92	11,567.50	416.62	31.94	384.68	1.083	Level 2
18,700.00	7,187.09	18,712.85	7,253.32	195.33	195.29	-99.13	-670.04	11,667.50	417.25	29.25	388.00	1.075	Level 2
18,800.00	7,187.35	18,812.85	7,253.49	196.99	196.95	-99.11	-670.16	11,767.50	417.87	26.56	391.31	1.068	Level 2
18,900.00	7,187.60	18,912.85	7,253.66	198.66	198.62	-99.08	-670.27	11,867.49	418.49	23.86	394.63	1.060	Level 2
19,000.00	7,187.85	19,012.85	7,253.84	200.32	200.28	-99.06	-670.39	11,967.49	419.11	21.17	397.94	1.053	Level 2
19,100.00	7,188.11	19,112.84	7,254.01	201.99	201.95	-99.04	-670.50	12,067.49	419.74	18.48	401.26	1.046	Level 2
19,200.00	7,188.36	19,212.84	7,254.19	203.65	203.62	-99.01	-670.62	12,167.49	420.36	15.78	404.58	1.039	Level 2
19,300.00	7,188.61	19,312.84	7,254.36	205.32	205.28	-98.99	-670.74	12,267.49	420.98	13.09	407.89	1.032	Level 2
19,400.00	7,188.87	19,412.84	7,254.54	206.99	206.95	-98.96	-670.85	12,367.48	421.61	10.40	411.21	1.025	Level 2
19,500.00	7,189.12	19,512.84	7,254.71	208.65	208.61	-98.94	-670.97	12,467.48	422.23	7.70	414.53	1.019	Level 2
19,600.00	7,189.37	19,612.83	7,254.88	210.32	210.28	-98.91	-671.08	12,567.48	422.85	5.01	417.85	1.012	Level 2
19,700.00	7,189.63	19,712.83	7,255.06	211.99	211.95	-98.89	-671.20	12,667.48	423.48	2.31	421.17	1.005	Level 2
19,800.00	7,189.88	19,812.83	7,255.23	213.65	213.61	-98.87	-671.32	12,767.47	424.10	-0.39	424.49	0.999	Level 1
19,900.00	7,190.13	19,912.83	7,255.41	215.32	215.28	-98.84	-671.43	12,867.47	424.72	-3.08	427.81	0.993	Level 1
20,000.00	7,190.39	20,012.83	7,255.58	216.99	216.95	-98.82	-671.55	12,967.47	425.35	-5.78	431.13	0.987	Level 1
20,100.00	7,190.64	20,112.82	7,255.76	218.65	218.61	-98.79	-671.66	13,067.47	425.97	-8.48	434.45	0.980	Level 1
20,200.00	7,190.89	20,212.82	7,255.93	220.32	220.28	-98.77	-671.78	13,167.46	426.60	-11.17	437.77	0.974	Level 1
20,242.80	7,191.00	20,255.61	7,256.00	221.04	220.99	-98.76	-671.83	13,210.26	426.86	-12.32	439.19	0.972	Level 1, ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	55.95	100.91	149.33	180.23				
100.00	100.00	101.00	99.00	3.28	3.28	55.95	100.91	149.33	180.23	172.71	7.53	23.939	
200.00	200.00	199.00	199.00	3.31	3.30	55.95	100.91	149.33	180.23	172.66	7.57	23.798	CC, ES
300.00	299.98	295.29	295.27	3.34	3.34	-127.69	100.42	150.84	182.31	174.66	7.65	23.825	
400.00	399.84	391.29	391.15	3.40	3.40	-127.65	98.92	155.40	188.57	180.80	7.77	24.276	
500.00	499.45	486.80	486.32	3.49	3.49	-127.57	96.43	162.96	198.99	191.06	7.93	25.089	
600.00	598.70	582.29	581.16	3.60	3.59	-127.46	92.97	173.49	213.50	205.35	8.15	26.202	
700.00	697.53	680.80	678.87	3.75	3.73	-127.82	89.05	185.41	230.55	222.13	8.43	27.356	
800.00	796.30	779.27	776.53	3.93	3.90	-128.33	85.14	197.33	247.90	239.15	8.75	28.336	
900.00	895.07	877.73	874.19	4.14	4.08	-128.78	81.22	209.25	265.26	256.14	9.11	29.113	
1,000.00	993.83	976.19	971.85	4.37	4.28	-129.17	77.30	221.16	282.63	273.12	9.51	29.717	
1,100.00	1,092.60	1,074.65	1,069.51	4.61	4.50	-129.51	73.38	233.08	300.01	290.07	9.94	30.176	
1,200.00	1,191.37	1,173.12	1,167.17	4.88	4.74	-129.82	69.46	245.00	317.40	307.00	10.40	30.518	
1,300.00	1,290.13	1,271.58	1,264.83	5.15	4.98	-130.09	65.54	256.92	334.80	323.92	10.88	30.764	
1,400.00	1,388.90	1,370.04	1,362.49	5.44	5.23	-130.34	61.63	268.83	352.21	340.83	11.39	30.936	
1,500.00	1,487.66	1,468.50	1,460.15	5.74	5.50	-130.56	57.71	280.75	369.62	357.72	11.91	31.047	
1,600.00	1,586.43	1,566.97	1,557.81	6.04	5.77	-130.77	53.79	292.67	387.04	374.60	12.44	31.112	
1,700.00	1,685.20	1,665.43	1,655.47	6.36	6.05	-130.95	49.87	304.59	404.46	391.48	12.99	31.140	
1,800.00	1,783.96	1,763.89	1,753.13	6.68	6.33	-131.13	45.95	316.50	421.89	408.34	13.55	31.140	
1,900.00	1,882.73	1,862.35	1,850.79	6.85	6.53	-131.28	42.03	328.42	439.32	425.80	13.52	32.495	
2,000.00	1,981.49	1,960.81	1,948.45	6.89	6.61	-131.43	38.12	340.34	456.75	443.13	13.62	33.536	
2,100.00	2,080.26	2,059.28	2,046.11	6.94	6.65	-131.56	34.20	352.26	474.19	460.49	13.70	34.618	
2,200.00	2,179.03	2,157.74	2,143.77	7.01	6.70	-131.69	30.28	364.17	491.63	477.82	13.81	35.612	
2,300.00	2,277.79	2,256.20	2,241.43	7.09	6.76	-131.81	26.36	376.09	509.07	495.12	13.94	36.514	
2,400.00	2,376.56	2,354.66	2,339.09	7.19	6.84	-131.91	22.44	388.01	526.51	512.40	14.11	37.325	
2,500.00	2,475.32	2,453.13	2,436.75	7.31	6.93	-132.02	18.53	399.93	543.95	529.65	14.30	38.045	
2,600.00	2,574.09	2,551.59	2,534.41	7.44	7.04	-132.11	14.61	411.84	561.40	546.88	14.52	38.677	
2,700.00	2,672.86	2,650.05	2,632.07	7.58	7.15	-132.20	10.69	423.76	578.84	564.08	14.76	39.225	
2,800.00	2,771.62	2,748.51	2,729.73	7.73	7.28	-132.29	6.77	435.68	596.29	581.27	15.02	39.693	
2,900.00	2,870.39	2,846.98	2,827.39	7.90	7.42	-132.37	2.85	447.60	613.74	598.43	15.31	40.086	
3,000.00	2,969.16	2,945.44	2,925.05	8.07	7.57	-132.44	-1.07	459.51	631.19	615.57	15.62	40.411	
3,100.00	3,067.92	3,043.90	3,022.71	8.26	7.73	-132.51	-4.98	471.43	648.64	632.69	15.95	40.674	
3,200.00	3,166.69	3,142.36	3,120.37	8.46	7.90	-132.58	-8.90	483.35	666.09	649.80	16.29	40.879	
3,300.00	3,265.45	3,240.83	3,218.03	8.66	8.07	-132.64	-12.82	495.27	683.54	666.89	16.66	41.034	
3,400.00	3,364.22	3,339.29	3,315.69	8.88	8.26	-132.71	-16.74	507.19	701.00	683.96	17.04	41.143	
3,500.00	3,462.99	3,437.75	3,413.35	9.10	8.45	-132.76	-20.66	519.10	718.45	701.02	17.43	41.211	
3,600.00	3,561.75	3,536.21	3,511.01	9.32	8.64	-132.82	-24.58	531.02	735.91	718.06	17.84	41.245	
3,700.00	3,660.52	3,634.68	3,608.67	9.56	8.85	-132.87	-28.49	542.94	753.36	735.10	18.26	41.247	
3,800.00	3,759.28	3,733.14	3,706.33	9.80	9.06	-132.92	-32.41	554.86	770.82	752.12	18.70	41.223	
3,900.00	3,858.05	3,831.60	3,803.99	10.05	9.28	-132.97	-36.33	566.77	788.27	769.13	19.14	41.175	
4,000.00	3,956.82	3,930.06	3,901.65	10.30	9.50	-133.02	-40.25	578.69	805.73	786.13	19.60	41.108	
4,100.00	4,055.58	4,028.53	3,999.31	10.56	9.72	-133.06	-44.17	590.61	823.19	803.12	20.07	41.024	
4,200.00	4,154.35	4,126.99	4,096.97	10.82	9.96	-133.10	-48.08	602.53	840.65	820.11	20.54	40.926	
4,300.00	4,253.11	4,225.45	4,194.63	11.08	10.19	-133.14	-52.00	614.44	858.11	837.08	21.02	40.816	
4,400.00	4,351.88	4,323.91	4,292.29	11.35	10.43	-133.18	-55.92	626.36	875.57	854.05	21.52	40.695	
4,500.00	4,450.65	4,422.38	4,389.95	11.63	10.67	-133.22	-59.84	638.28	893.02	871.01	22.01	40.567	
4,600.00	4,549.41	4,520.84	4,487.61	11.90	10.92	-133.25	-63.76	650.20	910.48	887.97	22.52	40.432	
4,700.00	4,648.18	4,619.30	4,585.27	12.18	11.17	-133.29	-67.68	662.11	927.94	904.91	23.03	40.292	
4,800.00	4,746.95	4,717.76	4,682.93	12.47	11.42	-133.32	-71.59	674.03	945.40	921.86	23.55	40.148	
4,900.00	4,845.71	4,816.23	4,780.59	12.75	11.68	-133.35	-75.51	685.95	962.87	938.79	24.07	40.001	
5,000.00	4,944.48	4,914.69	4,878.25	13.04	11.94	-133.39	-79.43	697.87	980.33	955.73	24.60	39.852	
5,100.00	5,043.24	5,013.15	4,975.91	13.33	12.20	-133.42	-83.35	709.78	997.79	972.65	25.13	39.701	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	5,142.01	5,111.61	5,073.57	13.62	12.46	-133.44	-87.27	721.70	1,015.25	989.58	25.67	39.549		
5,300.00	5,240.78	5,210.08	5,171.23	13.92	12.72	-133.47	-91.18	733.62	1,032.71	1,006.50	26.21	39.398		
5,400.00	5,339.54	5,308.54	5,268.89	14.22	12.99	-133.50	-95.10	745.54	1,050.17	1,023.41	26.76	39.246		
5,500.00	5,438.31	5,407.00	5,366.55	14.52	13.26	-133.52	-99.02	757.45	1,067.63	1,040.33	27.31	39.096		
5,600.00	5,537.07	5,505.46	5,464.21	14.82	13.53	-133.55	-102.94	769.37	1,085.10	1,057.23	27.86	38.946		
5,700.00	5,635.84	5,603.92	5,561.87	15.12	13.80	-133.57	-106.86	781.29	1,102.56	1,074.14	28.42	38.797		
5,800.00	5,734.61	5,702.39	5,659.53	15.42	14.08	-133.60	-110.78	793.21	1,120.02	1,091.04	28.98	38.650		
5,900.00	5,833.37	5,800.85	5,757.19	15.73	14.35	-133.62	-114.69	805.13	1,137.48	1,107.94	29.54	38.505		
6,000.00	5,932.14	5,900.69	5,854.85	16.04	14.63	-133.64	-118.61	817.04	1,154.95	1,124.84	30.11	38.356		
6,100.00	6,030.90	6,002.23	5,952.51	16.34	14.92	-133.66	-122.53	828.96	1,172.41	1,141.72	30.69	38.204		
6,200.00	6,129.67	6,103.76	6,050.17	16.65	15.21	-133.69	-126.45	840.88	1,189.87	1,158.61	31.27	38.054		
6,600.00	6,524.73	8,119.95	7,364.44	17.90	20.70	177.60	-176.64	-58.64	1,152.60	1,118.53	34.07	33.826		
6,700.00	6,623.16	8,113.01	7,364.43	18.15	20.64	-142.23	-176.65	-51.70	1,094.26	1,059.46	34.79	31.451		
6,800.00	6,719.30	8,109.43	7,364.40	18.41	20.61	-126.99	-176.71	-29.26	1,043.25	1,007.71	35.53	29.359		
6,900.00	6,810.79	8,053.18	7,364.35	18.65	20.13	-120.80	-176.80	8.14	1,001.01	965.16	35.85	27.923		
7,000.00	6,895.36	8,001.76	7,364.28	18.89	19.71	-116.94	-176.92	59.56	968.14	932.01	36.13	26.796		
7,100.00	6,970.94	7,937.57	7,364.20	19.11	19.26	-113.62	-177.07	123.75	944.28	907.99	36.29	26.018		
7,200.00	7,035.67	7,862.20	7,364.10	19.33	18.78	-110.47	-177.24	199.12	928.27	891.90	36.37	25.521		
7,300.00	7,087.95	7,776.99	7,363.99	19.55	18.33	-107.56	-177.44	284.32	918.42	881.97	36.45	25.198		
7,400.00	7,126.50	7,644.11	7,349.74	19.81	17.84	-103.57	-177.19	416.19	910.75	874.19	36.57	24.907		
7,500.00	7,150.36	7,528.15	7,315.20	20.16	17.59	-100.08	-176.08	526.72	903.38	866.42	36.97	24.438		
7,600.00	7,158.95	7,424.93	7,268.05	20.66	17.47	-97.03	-174.42	618.40	897.03	859.52	37.51	23.912		
7,700.00	7,159.22	7,335.82	7,215.90	21.32	17.42	-93.70	-172.52	690.54	892.64	854.54	38.11	23.425		
7,753.83	7,159.35	7,295.02	7,188.77	21.74	17.41	-91.95	-171.51	720.98	891.91	853.48	38.43	23.211		
7,800.00	7,159.47	7,263.59	7,166.57	22.13	17.40	-90.52	-170.68	743.21	892.51	853.85	38.66	23.084		
7,900.00	7,159.72	7,205.28	7,122.59	23.06	17.39	-87.70	-169.02	781.44	898.54	859.39	39.14	22.954 SF		
8,000.00	7,159.98	7,157.95	7,084.45	24.08	17.38	-85.27	-167.57	809.41	911.93	872.39	39.53	23.066		
8,100.00	7,160.23	7,119.17	7,051.72	25.19	17.37	-83.20	-166.31	830.16	933.30	893.46	39.83	23.430		
8,200.00	7,160.48	7,087.04	7,023.68	26.36	17.37	-81.44	-165.23	845.81	962.75	922.70	40.05	24.041		
8,300.00	7,160.74	7,060.10	6,999.60	27.58	17.36	-79.96	-164.30	857.83	999.99	959.81	40.19	24.884		
8,400.00	7,160.99	7,037.28	6,978.81	28.85	17.35	-78.68	-163.50	867.21	1,044.49	1,004.23	40.26	25.941		
8,500.00	7,161.24	7,017.74	6,960.76	30.16	17.34	-77.59	-162.80	874.64	1,095.58	1,055.28	40.30	27.188		
8,600.00	7,161.50	7,000.00	6,944.17	31.50	17.33	-76.59	-162.15	880.91	1,152.52	1,112.22	40.29	28.603		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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							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	61.56	80.88	149.33	169.83					
100.00	100.00	101.00	99.00	3.28	3.28	61.56	80.88	149.33	169.83	162.30	7.53	22.557		
200.00	200.00	199.00	199.00	3.31	3.30	61.56	80.88	149.33	169.83	162.26	7.57	22.424	CC, ES	
300.00	299.98	295.21	295.20	3.34	3.34	-122.14	80.34	150.82	171.85	164.20	7.65	22.459		
400.00	399.84	391.16	391.01	3.40	3.40	-122.25	78.70	155.33	177.94	170.18	7.77	22.913		
500.00	499.45	486.63	486.15	3.49	3.49	-122.40	75.98	162.80	188.09	180.17	7.93	23.724		
600.00	598.70	581.39	580.27	3.60	3.59	-122.57	72.21	173.16	202.27	194.12	8.14	24.839		
700.00	697.53	679.50	677.47	3.75	3.73	-123.09	67.66	185.66	219.33	210.91	8.42	26.039		
800.00	796.30	777.95	775.01	3.93	3.90	-123.75	63.09	198.21	236.68	227.93	8.75	27.054		
900.00	895.07	876.40	872.55	4.14	4.09	-124.32	58.52	210.77	254.05	244.93	9.12	27.866		
1,000.00	993.83	974.85	970.09	4.37	4.30	-124.82	53.95	223.32	271.44	261.92	9.52	28.505		
1,100.00	1,092.60	1,073.30	1,067.63	4.61	4.52	-125.26	49.38	235.88	288.85	278.89	9.96	28.998		
1,200.00	1,191.37	1,171.75	1,165.17	4.88	4.76	-125.65	44.81	248.43	306.27	295.84	10.43	29.371		
1,300.00	1,290.13	1,270.20	1,262.71	5.15	5.01	-125.99	40.24	260.99	323.70	312.79	10.92	29.648		
1,400.00	1,388.90	1,368.65	1,360.25	5.44	5.27	-126.30	35.67	273.54	341.15	329.72	11.43	29.849		
1,500.00	1,487.66	1,467.11	1,457.79	5.74	5.55	-126.58	31.10	286.10	358.60	346.64	11.96	29.987		
1,600.00	1,586.43	1,565.56	1,555.33	6.04	5.82	-126.84	26.53	298.66	376.06	363.56	12.50	30.078		
1,700.00	1,685.20	1,664.01	1,652.87	6.36	6.11	-127.07	21.97	311.21	393.53	380.47	13.06	30.131		
1,800.00	1,783.96	1,762.46	1,750.41	6.68	6.40	-127.28	17.40	323.77	411.01	397.38	13.63	30.155		
1,900.00	1,882.73	1,860.91	1,847.95	6.85	6.61	-127.47	12.83	336.32	428.49	414.88	13.61	31.484		
2,000.00	1,981.49	1,959.36	1,945.49	6.89	6.69	-127.65	8.26	348.88	445.97	432.25	13.72	32.517		
2,100.00	2,080.26	2,057.81	2,043.02	6.94	6.73	-127.82	3.69	361.43	463.46	449.66	13.80	33.595		
2,200.00	2,179.03	2,156.26	2,140.56	7.01	6.79	-127.97	-0.88	373.99	480.95	467.04	13.91	34.586		
2,300.00	2,277.79	2,254.71	2,238.10	7.09	6.85	-128.12	-5.45	386.54	498.44	484.40	14.05	35.488		
2,400.00	2,376.56	2,353.16	2,335.64	7.19	6.94	-128.25	-10.02	399.10	515.94	501.72	14.21	36.300		
2,500.00	2,475.32	2,451.61	2,433.18	7.31	7.03	-128.37	-14.59	411.66	533.44	519.03	14.41	37.023		
2,600.00	2,574.09	2,550.06	2,530.72	7.44	7.14	-128.49	-19.16	424.21	550.94	536.31	14.63	37.659		
2,700.00	2,672.86	2,648.51	2,628.26	7.58	7.26	-128.60	-23.73	436.77	568.44	553.57	14.88	38.212		
2,800.00	2,771.62	2,746.96	2,725.80	7.73	7.39	-128.70	-28.30	449.32	585.95	570.80	15.15	38.687		
2,900.00	2,870.39	2,845.41	2,823.34	7.90	7.53	-128.80	-32.87	461.88	603.45	588.02	15.44	39.089		
3,000.00	2,969.16	2,943.86	2,920.88	8.07	7.68	-128.89	-37.44	474.43	620.96	605.21	15.75	39.423		
3,100.00	3,067.92	3,042.31	3,018.42	8.26	7.84	-128.98	-42.01	486.99	638.47	622.39	16.08	39.695		
3,200.00	3,166.69	3,140.77	3,115.96	8.46	8.02	-129.06	-46.58	499.54	655.98	639.55	16.44	39.911		
3,300.00	3,265.45	3,239.22	3,213.50	8.66	8.20	-129.14	-51.15	512.10	673.50	656.69	16.81	40.077		
3,400.00	3,364.22	3,337.67	3,311.04	8.88	8.38	-129.21	-55.72	524.66	691.01	673.82	17.19	40.197		
3,500.00	3,462.99	3,436.12	3,408.58	9.10	8.58	-129.28	-60.29	537.21	708.53	690.93	17.59	40.278		
3,600.00	3,561.75	3,534.57	3,506.12	9.32	8.78	-129.35	-64.86	549.77	726.04	708.04	18.01	40.324		
3,700.00	3,660.52	3,633.02	3,603.66	9.56	8.99	-129.41	-69.43	562.32	743.56	725.13	18.43	40.339		
3,800.00	3,759.28	3,731.47	3,701.20	9.80	9.21	-129.47	-74.00	574.88	761.08	742.20	18.87	40.327		
3,900.00	3,858.05	3,829.92	3,798.74	10.05	9.43	-129.53	-78.57	587.43	778.59	759.27	19.32	40.293		
4,000.00	3,956.82	3,928.37	3,896.28	10.30	9.65	-129.58	-83.14	599.99	796.11	776.33	19.78	40.238		
4,100.00	4,055.58	4,026.82	3,993.82	10.56	9.88	-129.64	-87.71	612.54	813.63	793.38	20.26	40.167		
4,200.00	4,154.35	4,125.27	4,091.36	10.82	10.12	-129.69	-92.28	625.10	831.15	810.42	20.74	40.081		
4,300.00	4,253.11	4,223.72	4,188.90	11.08	10.36	-129.74	-96.85	637.65	848.67	827.45	21.23	39.983		
4,400.00	4,351.88	4,322.17	4,286.44	11.35	10.60	-129.78	-101.42	650.21	866.20	844.47	21.72	39.876		
4,500.00	4,450.65	4,420.62	4,383.98	11.63	10.85	-129.83	-105.99	662.77	883.72	861.49	22.23	39.759		
4,600.00	4,549.41	4,519.07	4,481.52	11.90	11.10	-129.87	-110.56	675.32	901.24	878.50	22.74	39.636		
4,700.00	4,648.18	4,617.52	4,579.06	12.18	11.36	-129.91	-115.13	687.88	918.76	895.51	23.26	39.508		
4,800.00	4,746.95	4,715.97	4,676.60	12.47	11.61	-129.95	-119.70	700.43	936.29	912.51	23.78	39.375		
4,900.00	4,845.71	4,814.43	4,774.14	12.75	11.87	-129.99	-124.27	712.99	953.81	929.50	24.31	39.239		
5,000.00	4,944.48	4,912.88	4,871.68	13.04	12.14	-130.03	-128.84	725.54	971.34	946.49	24.84	39.101		
5,100.00	5,043.24	5,011.33	4,969.22	13.33	12.40	-130.06	-133.41	738.10	988.86	963.48	25.38	38.961		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						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	5,142.01	5,109.78	5,066.76	13.62	12.67	-130.10	-137.98	750.65	1,006.39	980.46	25.92	38.820		
5,300.00	5,240.78	5,208.23	5,164.30	13.92	12.94	-130.13	-142.55	763.21	1,023.91	997.44	26.47	38.678		
5,400.00	5,339.54	5,306.68	5,261.84	14.22	13.21	-130.16	-147.12	775.77	1,041.44	1,014.41	27.02	38.537		
5,500.00	5,438.31	5,405.13	5,359.38	14.52	13.48	-130.19	-151.69	788.32	1,058.96	1,031.38	27.58	38.396		
5,600.00	5,537.07	5,503.58	5,456.92	14.82	13.76	-130.22	-156.26	800.88	1,076.49	1,048.35	28.14	38.255		
5,700.00	5,635.84	5,602.03	5,554.45	15.12	14.04	-130.25	-160.82	813.43	1,094.02	1,065.31	28.70	38.116		
5,800.00	5,734.61	5,700.48	5,651.99	15.42	14.32	-130.28	-165.39	825.99	1,111.54	1,082.27	29.27	37.978		
5,900.00	5,833.37	5,801.07	5,749.53	15.73	14.60	-130.31	-169.96	838.54	1,129.07	1,099.23	29.84	37.833		
6,000.00	5,932.14	5,902.62	5,847.07	16.04	14.89	-130.34	-174.53	851.10	1,146.60	1,116.17	30.42	37.687		
6,100.00	6,030.90	6,004.17	5,944.61	16.34	15.19	-130.36	-179.10	863.65	1,164.13	1,133.12	31.01	37.544		
6,200.00	6,129.67	7,804.73	7,048.04	16.65	20.12	177.10	-227.95	-55.65	1,140.35	1,108.88	31.48	36.230		
6,300.00	6,228.44	7,805.70	7,048.04	16.96	20.13	177.03	-227.95	-56.62	1,072.33	1,040.07	32.26	33.241		
6,400.00	6,327.20	7,806.67	7,048.04	17.28	20.13	176.96	-227.94	-57.59	1,009.64	976.54	33.10	30.500		
6,500.00	6,425.97	7,807.63	7,048.04	17.59	20.14	176.89	-227.94	-58.56	953.34	919.35	33.99	28.045		
6,600.00	6,524.73	7,808.60	7,048.04	17.90	20.15	177.43	-227.94	-59.52	904.62	869.72	34.90	25.919		
6,700.00	6,623.16	7,801.54	7,048.04	18.15	20.09	-139.78	-227.96	-52.47	864.84	829.16	35.68	24.238		
6,800.00	6,719.30	7,778.99	7,048.04	18.41	19.89	-121.80	-228.02	-29.91	835.60	799.37	36.23	23.065		
6,900.00	6,810.79	7,741.48	7,048.03	18.65	19.56	-112.79	-228.12	7.60	817.52	781.04	36.48	22.409		
7,000.00	6,895.36	7,689.96	7,048.03	18.89	19.13	-106.09	-228.26	59.12	809.82	773.37	36.45	22.220 SF		
7,039.57	6,926.45	7,665.97	7,048.02	18.97	18.95	-103.65	-228.32	83.11	809.22	772.83	36.38	22.241		
7,100.00	6,970.94	7,625.68	7,048.02	19.11	18.65	-100.05	-228.43	123.40	810.44	774.23	36.22	22.378		
7,200.00	7,035.67	7,550.23	7,048.01	19.33	18.15	-94.44	-228.63	198.85	816.57	780.67	35.90	22.745		
7,300.00	7,087.95	7,468.77	7,048.00	19.55	17.70	-89.55	-228.86	283.61	825.14	789.50	35.64	23.153		
7,400.00	7,126.50	7,388.31	7,043.12	19.81	17.36	-85.75	-228.84	360.56	834.21	798.68	35.52	23.484		
7,500.00	7,150.36	7,313.91	7,029.65	20.16	17.12	-82.54	-228.41	433.70	843.26	807.71	35.54	23.726		
7,600.00	7,158.95	7,241.81	7,008.56	20.66	16.95	-79.90	-227.61	502.59	851.64	815.96	35.68	23.866		
7,700.00	7,159.22	7,173.66	6,981.58	21.32	16.85	-78.10	-226.53	565.14	861.36	825.44	35.92	23.982		
7,800.00	7,159.47	7,112.06	6,951.59	22.13	16.79	-76.16	-225.28	618.89	875.77	839.60	36.17	24.211		
7,900.00	7,159.72	7,057.12	6,920.56	23.06	16.76	-74.19	-223.95	664.20	895.61	859.18	36.42	24.588		
8,000.00	7,159.98	7,008.50	6,889.94	24.08	16.74	-72.29	-222.63	701.93	921.41	884.75	36.66	25.135		
8,100.00	7,160.23	6,965.64	6,860.63	25.19	16.74	-70.51	-221.35	733.16	953.42	916.55	36.87	25.861		
8,200.00	7,160.48	6,927.90	6,833.14	26.36	16.73	-68.89	-220.14	758.98	991.63	954.58	37.05	26.765		
8,300.00	7,160.74	6,900.00	6,811.85	27.58	16.73	-67.66	-219.20	776.99	1,035.88	998.66	37.21	27.836		
8,400.00	7,160.99	6,865.26	6,784.29	28.85	16.72	-66.10	-217.98	798.08	1,085.70	1,048.36	37.34	29.073		
8,500.00	7,161.24	6,850.00	6,771.82	30.16	16.72	-65.41	-217.42	806.87	1,140.85	1,103.37	37.48	30.441		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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	50.94	120.95	149.06	191.96				
100.00	100.00	101.00	99.00	3.28	3.28	50.94	120.95	149.06	191.96	184.43	7.53	25.496	
200.00	200.00	199.00	199.00	3.31	3.30	50.94	120.95	149.06	191.96	184.38	7.57	25.346	CC, ES, SF
300.00	299.98	294.22	294.20	3.34	3.34	-132.73	120.89	150.60	194.36	186.71	7.65	25.399	
400.00	399.84	389.06	388.92	3.40	3.40	-132.78	120.68	155.29	201.60	193.84	7.77	25.953	
500.00	499.45	483.25	482.78	3.49	3.49	-132.83	120.34	163.03	213.66	205.73	7.93	26.942	
600.00	598.70	577.38	576.30	3.60	3.59	-132.89	119.87	173.81	230.44	222.29	8.14	28.299	
700.00	697.53	675.39	673.53	3.75	3.73	-133.37	119.34	186.11	250.11	241.69	8.42	29.714	
800.00	796.30	773.33	770.70	3.93	3.89	-133.98	118.80	198.41	270.10	261.38	8.73	30.950	
900.00	895.07	871.28	867.86	4.14	4.07	-134.50	118.26	210.71	290.13	281.05	9.08	31.962	
1,000.00	993.83	969.22	965.03	4.37	4.27	-134.95	117.73	223.01	310.17	300.71	9.46	32.779	
1,100.00	1,092.60	1,067.16	1,062.20	4.61	4.48	-135.35	117.19	235.30	330.23	320.35	9.88	33.431	
1,200.00	1,191.37	1,165.11	1,159.36	4.88	4.71	-135.70	116.65	247.60	350.30	339.98	10.32	33.944	
1,300.00	1,290.13	1,263.05	1,256.53	5.15	4.95	-136.01	116.12	259.90	370.38	359.60	10.78	34.344	
1,400.00	1,388.90	1,361.00	1,353.70	5.44	5.20	-136.30	115.58	272.20	390.47	379.20	11.27	34.651	
1,500.00	1,487.66	1,458.94	1,450.86	5.74	5.45	-136.55	115.04	284.49	410.57	398.80	11.77	34.883	
1,600.00	1,586.43	1,556.88	1,548.03	6.04	5.72	-136.78	114.51	296.79	430.68	418.40	12.29	35.054	
1,700.00	1,685.20	1,654.83	1,645.20	6.36	5.99	-136.99	113.97	309.09	450.80	437.98	12.82	35.176	
1,800.00	1,783.96	1,752.77	1,742.36	6.68	6.27	-137.18	113.43	321.39	470.92	457.56	13.36	35.260	
1,900.00	1,882.73	1,850.71	1,839.53	6.85	6.48	-137.36	112.89	333.69	491.04	477.71	13.33	36.838	
2,000.00	1,981.49	1,948.66	1,936.70	6.89	6.57	-137.52	112.36	345.98	511.17	497.73	13.44	38.038	
2,100.00	2,080.26	2,046.60	2,033.87	6.94	6.60	-137.67	111.82	358.28	531.30	517.79	13.51	39.328	
2,200.00	2,179.03	2,144.54	2,131.03	7.01	6.65	-137.81	111.28	370.58	551.43	537.82	13.61	40.517	
2,300.00	2,277.79	2,242.49	2,228.20	7.09	6.71	-137.94	110.75	382.88	571.57	557.83	13.74	41.603	
2,400.00	2,376.56	2,340.43	2,325.37	7.19	6.79	-138.06	110.21	395.17	591.71	577.82	13.89	42.585	
2,500.00	2,475.32	2,438.37	2,422.53	7.31	6.88	-138.17	109.67	407.47	611.86	597.78	14.08	43.462	
2,600.00	2,574.09	2,536.32	2,519.70	7.44	6.98	-138.28	109.14	419.77	632.00	617.71	14.29	44.238	
2,700.00	2,672.86	2,634.26	2,616.87	7.58	7.09	-138.38	108.60	432.07	652.15	637.63	14.52	44.916	
2,800.00	2,771.62	2,732.20	2,714.03	7.73	7.21	-138.47	108.06	444.37	672.30	657.52	14.78	45.501	
2,900.00	2,870.39	2,830.15	2,811.20	7.90	7.35	-138.56	107.53	456.66	692.45	677.39	15.05	45.998	
3,000.00	2,969.16	2,928.09	2,908.37	8.07	7.49	-138.64	106.99	468.96	712.60	697.25	15.35	46.415	
3,100.00	3,067.92	3,026.03	3,005.53	8.26	7.64	-138.72	106.45	481.26	732.75	717.08	15.67	46.758	
3,200.00	3,166.69	3,123.98	3,102.70	8.46	7.81	-138.79	105.92	493.56	752.91	736.90	16.01	47.033	
3,300.00	3,265.45	3,221.92	3,199.87	8.66	7.98	-138.86	105.38	505.85	773.06	756.70	16.36	47.248	
3,400.00	3,364.22	3,319.86	3,297.03	8.88	8.16	-138.93	104.84	518.15	793.22	776.49	16.73	47.408	
3,500.00	3,462.99	3,417.81	3,394.20	9.10	8.34	-138.99	104.30	530.45	813.38	796.26	17.12	47.519	
3,600.00	3,561.75	3,515.75	3,491.37	9.32	8.53	-139.05	103.77	542.75	833.53	816.02	17.52	47.588	
3,700.00	3,660.52	3,613.70	3,588.54	9.56	8.73	-139.11	103.23	555.05	853.69	835.77	17.93	47.619	
3,800.00	3,759.28	3,711.64	3,685.70	9.80	8.94	-139.17	102.69	567.34	873.85	855.50	18.35	47.618	
3,900.00	3,858.05	3,809.58	3,782.87	10.05	9.15	-139.22	102.16	579.64	894.01	875.23	18.79	47.588	
4,000.00	3,956.82	3,907.53	3,880.04	10.30	9.37	-139.27	101.62	591.94	914.18	894.94	19.23	47.533	
4,100.00	4,055.58	4,005.47	3,977.20	10.56	9.59	-139.32	101.08	604.24	934.34	914.65	19.69	47.458	
4,200.00	4,154.35	4,103.41	4,074.37	10.82	9.81	-139.36	100.55	616.53	954.50	934.35	20.15	47.365	
4,300.00	4,253.11	4,201.36	4,171.54	11.08	10.04	-139.41	100.01	628.83	974.66	954.04	20.63	47.256	
4,400.00	4,351.88	4,300.70	4,268.70	11.35	10.28	-139.45	99.47	641.13	994.83	973.72	21.11	47.128	
4,500.00	4,450.65	4,402.76	4,365.87	11.63	10.53	-139.49	98.94	653.43	1,014.99	993.38	21.61	46.974	
4,600.00	4,549.41	4,504.81	4,463.04	11.90	10.78	-139.53	98.40	665.73	1,035.16	1,013.04	22.11	46.813	
4,700.00	4,648.18	4,606.87	4,560.20	12.18	11.03	-139.56	97.86	678.02	1,055.32	1,032.70	22.62	46.645	
4,800.00	4,746.95	4,708.93	4,657.37	12.47	11.29	-139.60	97.33	690.32	1,075.49	1,052.34	23.14	46.472	
4,900.00	4,845.71	4,789.02	4,754.54	12.75	11.50	-139.63	96.79	702.62	1,095.65	1,072.04	23.61	46.405	
5,000.00	4,944.48	4,886.96	4,851.70	13.04	11.75	-139.67	96.25	714.92	1,115.82	1,091.69	24.13	46.244	
5,100.00	5,043.24	4,984.90	4,948.87	13.33	12.00	-139.70	95.72	727.21	1,135.99	1,111.33	24.65	46.081	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	5,142.01	5,082.85	5,046.04	13.62	12.26	-139.73	95.18	739.51	1,156.15	1,130.97	25.18	45.917	
5,300.00	5,240.78	5,180.79	5,143.20	13.92	12.52	-139.76	94.64	751.81	1,176.32	1,150.61	25.71	45.751	
5,400.00	5,339.54	5,278.73	5,240.37	14.22	12.78	-139.79	94.10	764.11	1,196.49	1,170.24	26.25	45.585	
6,600.00	6,524.73	7,963.85	7,168.69	17.90	20.68	175.39	42.87	-97.42	1,197.21	1,161.87	35.34	33.879	
6,700.00	6,623.16	7,957.58	7,168.68	18.15	20.62	-141.57	43.10	-91.15	1,161.09	1,125.09	36.00	32.255	
6,800.00	6,719.30	7,935.79	7,168.64	18.41	20.41	-123.84	43.90	-69.38	1,133.66	1,097.21	36.45	31.100	
6,900.00	6,810.79	7,900.97	7,168.58	18.65	20.09	-115.52	45.25	-32.64	1,115.37	1,078.68	36.69	30.399	
7,000.00	6,895.36	7,848.20	7,168.48	18.89	19.64	-109.85	47.12	18.16	1,105.70	1,068.99	36.71	30.121	
7,089.58	6,963.54	7,808.27	7,168.38	19.09	19.31	-105.49	49.19	74.58	1,103.23	1,066.52	36.72	30.047	
7,100.00	6,970.94	7,784.55	7,168.37	19.11	19.13	-105.01	49.45	81.76	1,103.26	1,066.69	36.57	30.168	
7,200.00	7,035.67	7,709.65	7,168.24	19.33	18.59	-100.61	52.20	156.61	1,106.12	1,069.75	36.37	30.415	
7,300.00	7,087.95	7,625.35	7,168.08	19.55	18.07	-96.73	55.30	240.86	1,112.08	1,075.87	36.21	30.710	
7,400.00	7,126.50	7,531.50	7,166.18	19.81	17.60	-93.49	58.76	334.59	1,119.04	1,082.86	36.17	30.936	
7,500.00	7,150.36	7,437.78	7,152.26	20.16	17.23	-90.72	62.29	427.12	1,125.45	1,089.13	36.32	30.991	
7,600.00	7,158.95	7,348.82	7,126.61	20.66	16.97	-88.43	65.67	512.16	1,130.93	1,094.30	36.63	30.878	
7,700.00	7,159.22	7,266.55	7,092.54	21.32	16.81	-86.69	68.76	586.92	1,136.75	1,099.68	37.07	30.664	
7,800.00	7,159.47	7,194.29	7,054.88	22.13	16.72	-84.80	71.41	648.49	1,145.34	1,107.75	37.58	30.475	
7,900.00	7,159.72	7,131.87	7,016.90	23.06	16.67	-82.91	73.61	697.95	1,157.73	1,119.61	38.12	30.372	
8,000.00	7,159.98	7,078.37	6,980.63	24.08	16.65	-81.12	75.42	737.21	1,174.75	1,136.11	38.64	30.404	
8,100.00	7,160.23	7,032.62	6,947.08	25.19	16.63	-79.49	76.90	768.27	1,196.98	1,157.86	39.13	30.593	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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												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	46.59	140.98	149.06	205.17				
100.00	100.00	101.00	99.00	3.28	3.28	46.59	140.98	149.06	205.17	197.64	7.53	27.250	
200.00	200.00	199.00	199.00	3.31	3.30	46.59	140.98	149.06	205.17	197.59	7.57	27.090	CC, ES, SF
300.00	299.98	293.31	293.30	3.34	3.34	-137.10	141.26	150.55	207.80	200.15	7.65	27.155	
400.00	399.84	387.18	387.04	3.40	3.41	-137.22	142.11	155.06	215.74	207.97	7.77	27.771	
500.00	499.45	480.25	479.80	3.49	3.49	-137.39	143.50	162.52	228.95	221.02	7.93	28.873	
600.00	598.70	572.90	571.85	3.60	3.59	-137.58	145.44	172.86	247.35	239.22	8.14	30.396	
700.00	697.53	670.47	668.64	3.75	3.72	-138.13	147.70	184.94	269.03	260.62	8.41	31.998	
800.00	796.30	767.96	765.36	3.93	3.88	-138.78	149.96	197.02	291.06	282.35	8.71	33.419	
900.00	895.07	865.45	862.07	4.14	4.06	-139.34	152.22	209.10	313.12	304.08	9.05	34.601	
1,000.00	993.83	962.95	958.79	4.37	4.25	-139.83	154.48	221.17	335.21	325.79	9.42	35.570	
1,100.00	1,092.60	1,060.44	1,055.50	4.61	4.47	-140.26	156.74	233.25	357.32	347.50	9.83	36.360	
1,200.00	1,191.37	1,157.93	1,152.22	4.88	4.69	-140.63	159.00	245.33	379.45	369.19	10.26	36.996	
1,300.00	1,290.13	1,255.43	1,248.93	5.15	4.93	-140.97	161.26	257.41	401.59	390.88	10.71	37.505	
1,400.00	1,388.90	1,352.92	1,345.65	5.44	5.17	-141.27	163.52	269.48	423.74	412.56	11.18	37.908	
1,500.00	1,487.66	1,450.41	1,442.37	5.74	5.43	-141.54	165.78	281.56	445.90	434.24	11.67	38.225	
1,600.00	1,586.43	1,547.90	1,539.08	6.04	5.69	-141.79	168.04	293.64	468.07	455.91	12.17	38.470	
1,700.00	1,685.20	1,645.40	1,635.80	6.36	5.95	-142.01	170.30	305.71	490.25	477.57	12.68	38.658	
1,800.00	1,783.96	1,742.89	1,732.51	6.68	6.23	-142.21	172.56	317.79	512.43	499.23	13.21	38.800	
1,900.00	1,882.73	1,840.38	1,829.23	6.85	6.45	-142.40	174.82	329.87	534.62	521.44	13.19	40.548	
2,000.00	1,981.49	1,937.88	1,925.94	6.89	6.55	-142.57	177.08	341.94	556.82	543.52	13.30	41.862	
2,100.00	2,080.26	2,035.37	2,022.66	6.94	6.59	-142.73	179.34	354.02	579.02	565.65	13.37	43.317	
2,200.00	2,179.03	2,132.86	2,119.37	7.01	6.63	-142.88	181.60	366.10	601.22	587.76	13.46	44.662	
2,300.00	2,277.79	2,230.35	2,216.09	7.09	6.69	-143.01	183.86	378.17	623.43	609.84	13.58	45.893	
2,400.00	2,376.56	2,327.85	2,312.80	7.19	6.77	-143.14	186.12	390.25	645.64	631.90	13.73	47.010	
2,500.00	2,475.32	2,425.34	2,409.52	7.31	6.85	-143.26	188.38	402.33	667.85	653.94	13.91	48.011	
2,600.00	2,574.09	2,522.83	2,506.24	7.44	6.95	-143.37	190.64	414.41	690.06	675.95	14.11	48.899	
2,700.00	2,672.86	2,620.32	2,602.95	7.58	7.06	-143.47	192.90	426.48	712.28	697.94	14.34	49.678	
2,800.00	2,771.62	2,717.82	2,699.67	7.73	7.18	-143.57	195.16	438.56	734.50	719.91	14.59	50.354	
2,900.00	2,870.39	2,815.31	2,796.38	7.90	7.31	-143.66	197.42	450.64	756.72	741.86	14.86	50.932	
3,000.00	2,969.16	2,912.80	2,893.10	8.07	7.45	-143.75	199.68	462.71	778.95	763.80	15.15	51.419	
3,100.00	3,067.92	3,010.30	2,989.81	8.26	7.60	-143.83	201.94	474.79	801.17	785.71	15.46	51.823	
3,200.00	3,166.69	3,107.79	3,086.53	8.46	7.76	-143.91	204.20	486.87	823.40	807.61	15.79	52.153	
3,300.00	3,265.45	3,205.28	3,183.24	8.66	7.92	-143.98	206.46	498.94	845.62	829.49	16.14	52.409	
3,400.00	3,364.22	3,302.77	3,279.96	8.88	8.10	-144.05	208.72	511.02	867.85	851.36	16.50	52.606	
3,500.00	3,462.99	3,400.27	3,376.68	9.10	8.28	-144.12	210.98	523.10	890.08	873.21	16.87	52.748	
3,600.00	3,561.75	3,497.76	3,473.39	9.32	8.47	-144.18	213.25	535.17	912.31	895.05	17.27	52.840	
3,700.00	3,660.52	3,604.75	3,570.11	9.56	8.69	-144.24	215.51	547.25	934.55	916.86	17.69	52.833	
3,800.00	3,759.28	3,707.25	3,666.82	9.80	8.90	-144.30	217.77	559.33	956.78	938.66	18.12	52.814	
3,900.00	3,858.05	3,809.76	3,763.54	10.05	9.12	-144.36	220.03	571.41	979.01	960.46	18.55	52.763	
4,000.00	3,956.82	3,887.73	3,860.25	10.30	9.29	-144.41	222.29	583.48	1,001.25	982.30	18.95	52.833	
4,100.00	4,055.58	3,985.22	3,956.97	10.56	9.51	-144.46	224.55	595.56	1,023.48	1,004.08	19.40	52.760	
4,200.00	4,154.35	4,082.72	4,053.68	10.82	9.73	-144.51	226.81	607.64	1,045.72	1,025.86	19.86	52.666	
4,300.00	4,253.11	4,180.21	4,150.40	11.08	9.95	-144.55	229.07	619.71	1,067.95	1,047.63	20.32	52.555	
4,400.00	4,351.88	4,277.70	4,247.11	11.35	10.18	-144.60	231.33	631.79	1,090.19	1,069.40	20.79	52.429	
4,500.00	4,450.65	4,375.20	4,343.83	11.63	10.42	-144.64	233.59	643.87	1,112.43	1,091.16	21.27	52.290	
4,600.00	4,549.41	4,472.69	4,440.55	11.90	10.65	-144.68	235.85	655.94	1,134.67	1,112.91	21.76	52.141	
4,700.00	4,648.18	4,570.18	4,537.26	12.18	10.90	-144.72	238.11	668.02	1,156.91	1,134.65	22.26	51.984	
4,800.00	4,746.95	4,667.67	4,633.98	12.47	11.14	-144.75	240.37	680.10	1,179.15	1,156.39	22.75	51.820	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						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	1.09	149.89	149.90				
100.00	100.00	101.00	99.00	3.28	3.28	89.58	1.09	149.89	149.90	142.37	7.53	19.909	
200.00	200.00	199.00	199.00	3.31	3.30	89.58	1.09	149.89	149.90	142.32	7.57	19.792	
300.00	299.98	296.06	296.04	3.34	3.34	-94.19	-0.21	150.84	150.99	143.34	7.65	19.736	
400.00	399.84	393.01	392.86	3.40	3.40	-94.53	-4.16	153.72	154.31	146.55	7.76	19.884	
500.00	499.45	489.81	489.31	3.49	3.48	-95.05	-10.74	158.52	159.86	151.94	7.92	20.185	
600.00	598.70	586.39	585.22	3.60	3.59	-95.70	-19.93	165.22	167.65	159.51	8.14	20.604	
700.00	697.53	682.68	680.40	3.75	3.73	-96.42	-31.68	173.79	177.64	169.22	8.42	21.102	
800.00	796.30	778.65	774.72	3.93	3.91	-96.44	-45.96	184.21	189.50	180.74	8.76	21.630	
900.00	895.07	877.38	871.37	4.14	4.14	-95.98	-62.26	196.09	202.46	193.29	9.17	22.068	
1,000.00	993.83	976.52	968.42	4.37	4.40	-95.56	-78.64	208.04	215.46	205.82	9.64	22.352	
1,100.00	1,092.60	1,075.66	1,065.47	4.61	4.69	-95.20	-95.02	219.98	228.46	218.31	10.15	22.519	
1,200.00	1,191.37	1,174.81	1,162.51	4.88	4.99	-94.87	-111.40	231.93	241.47	230.78	10.69	22.597	
1,300.00	1,290.13	1,273.95	1,259.56	5.15	5.32	-94.57	-127.79	243.87	254.48	243.23	11.26	22.609	
1,400.00	1,388.90	1,373.09	1,356.60	5.44	5.65	-94.31	-144.17	255.82	267.51	255.66	11.85	22.577	
1,500.00	1,487.66	1,472.23	1,453.65	5.74	6.00	-94.07	-160.55	267.76	280.53	268.07	12.46	22.507	
1,600.00	1,586.43	1,571.37	1,550.70	6.04	6.36	-93.85	-176.93	279.71	293.57	280.47	13.10	22.415	
1,700.00	1,685.20	1,670.51	1,647.74	6.36	6.73	-93.65	-193.31	291.66	306.60	292.86	13.74	22.309	
1,800.00	1,783.96	1,769.65	1,744.79	6.68	7.11	-93.46	-209.69	303.60	319.64	305.24	14.40	22.192	
1,900.00	1,882.73	1,868.79	1,841.83	6.85	7.37	-93.29	-226.07	315.55	332.69	318.25	14.43	23.053	
2,000.00	1,981.49	1,967.94	1,938.88	6.89	7.47	-93.13	-242.45	327.49	345.73	331.18	14.55	23.758	
2,100.00	2,080.26	2,067.08	2,035.93	6.94	7.53	-92.99	-258.83	339.44	358.78	344.12	14.65	24.482	
2,200.00	2,179.03	2,166.22	2,132.97	7.01	7.61	-92.85	-275.21	351.38	371.83	357.04	14.79	25.140	
2,300.00	2,277.79	2,265.36	2,230.02	7.09	7.70	-92.73	-291.60	363.33	384.88	369.92	14.96	25.728	
2,400.00	2,376.56	2,364.50	2,327.06	7.19	7.82	-92.61	-307.98	375.27	397.93	382.77	15.16	26.250	
2,500.00	2,475.32	2,463.64	2,424.11	7.31	7.94	-92.50	-324.36	387.22	410.99	395.60	15.39	26.705	
2,600.00	2,574.09	2,562.78	2,521.16	7.44	8.09	-92.39	-340.74	399.16	424.04	408.39	15.65	27.096	
2,700.00	2,672.86	2,661.92	2,618.20	7.58	8.25	-92.30	-357.12	411.11	437.10	421.17	15.94	27.428	
2,800.00	2,771.62	2,761.06	2,715.25	7.73	8.42	-92.20	-373.50	423.06	450.16	433.91	16.25	27.704	
2,900.00	2,870.39	2,860.21	2,812.30	7.90	8.60	-92.12	-389.88	435.00	463.22	446.63	16.59	27.929	
3,000.00	2,969.16	2,959.39	2,909.34	8.07	8.80	-92.04	-406.26	446.95	476.28	459.34	16.95	28.107	
3,100.00	3,067.92	3,058.49	3,006.39	8.26	9.00	-91.96	-422.64	458.89	489.34	472.02	17.33	28.242	
3,200.00	3,166.69	3,157.63	3,103.43	8.46	9.22	-91.88	-439.03	470.84	502.41	484.68	17.73	28.340	
3,300.00	3,265.45	3,256.77	3,200.48	8.66	9.45	-91.81	-455.41	482.78	515.47	497.32	18.15	28.405	
3,400.00	3,364.22	3,355.91	3,297.53	8.88	9.68	-91.75	-471.79	494.73	528.53	509.95	18.58	28.440	
3,500.00	3,462.99	3,455.05	3,394.57	9.10	9.93	-91.69	-488.17	506.67	541.60	522.56	19.04	28.450	
3,600.00	3,561.75	3,554.19	3,491.62	9.32	10.18	-91.62	-504.55	518.62	554.66	535.16	19.50	28.438	
3,700.00	3,660.52	3,653.34	3,588.66	9.56	10.44	-91.57	-520.93	530.56	567.73	547.74	19.99	28.406	
3,800.00	3,759.28	3,752.48	3,685.71	9.80	10.71	-91.51	-537.31	542.51	580.80	560.32	20.48	28.359	
3,900.00	3,858.05	3,851.62	3,782.76	10.05	10.98	-91.46	-553.69	554.46	593.86	572.88	20.99	28.297	
4,000.00	3,956.82	3,950.76	3,879.80	10.30	11.26	-91.41	-570.07	566.40	606.93	585.43	21.50	28.224	
4,100.00	4,055.58	4,049.90	3,976.85	10.56	11.54	-91.36	-586.46	578.35	620.00	597.97	22.03	28.142	
4,200.00	4,154.35	4,149.04	4,073.89	10.82	11.83	-91.32	-602.84	590.29	633.07	610.50	22.57	28.051	
4,300.00	4,253.11	4,248.18	4,170.94	11.08	12.12	-91.27	-619.22	602.24	646.14	623.02	23.11	27.955	
4,400.00	4,351.88	4,347.32	4,267.99	11.35	12.42	-91.23	-635.60	614.18	659.20	635.54	23.67	27.853	
4,500.00	4,450.65	4,446.46	4,365.03	11.63	12.72	-91.19	-651.98	626.13	672.27	648.04	24.23	27.747	
4,600.00	4,549.41	4,545.61	4,462.08	11.90	13.03	-91.15	-668.36	638.07	685.34	660.55	24.80	27.638	
4,700.00	4,648.18	4,644.75	4,559.12	12.18	13.34	-91.11	-684.74	650.02	698.41	673.04	25.37	27.526	
4,800.00	4,746.95	4,743.89	4,656.17	12.47	13.65	-91.07	-701.12	661.96	711.48	685.53	25.95	27.414	
4,900.00	4,845.71	4,843.03	4,753.22	12.75	13.96	-91.04	-717.50	673.91	724.55	698.01	26.54	27.300	
5,000.00	4,944.48	4,942.17	4,850.26	13.04	14.28	-91.01	-733.89	685.86	737.63	710.49	27.13	27.186	
5,100.00	5,043.24	5,041.31	4,947.31	13.33	14.60	-90.97	-750.27	697.80	750.70	722.97	27.73	27.071	

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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													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	5,142.01	5,140.45	5,044.35	13.62	14.92	-90.94	-766.65	709.75	763.77	735.44	28.33	26.958		
5,300.00	5,240.78	5,239.59	5,141.40	13.92	15.25	-90.91	-783.03	721.69	776.84	747.90	28.94	26.845		
5,400.00	5,339.54	5,338.73	5,238.45	14.22	15.57	-90.88	-799.41	733.64	789.91	760.36	29.55	26.732		
5,500.00	5,438.31	5,437.88	5,335.49	14.52	15.90	-90.85	-815.79	745.58	802.98	772.82	30.16	26.621		
5,600.00	5,537.07	5,537.02	5,432.54	14.82	16.23	-90.83	-832.17	757.53	816.06	785.27	30.78	26.512		
5,700.00	5,635.84	5,636.16	5,529.58	15.12	16.57	-90.80	-848.55	769.47	829.13	797.73	31.40	26.403		
5,800.00	5,734.61	5,735.30	5,626.63	15.42	16.90	-90.77	-864.93	781.42	842.20	810.17	32.03	26.297		
5,900.00	5,833.37	5,834.44	5,723.68	15.73	17.24	-90.75	-881.32	793.36	855.27	822.62	32.65	26.191		
6,000.00	5,932.14	5,933.58	5,820.72	16.04	17.57	-90.72	-897.70	805.31	868.35	835.06	33.29	26.088		
6,100.00	6,030.90	6,032.72	5,917.77	16.34	17.91	-90.70	-914.08	817.26	881.42	847.50	33.92	25.987		
6,200.00	6,129.67	6,131.86	6,014.81	16.65	18.25	-90.68	-930.46	829.20	894.49	859.94	34.55	25.887		
6,300.00	6,228.44	6,231.01	6,111.86	16.96	18.59	-90.65	-946.84	841.15	907.57	872.37	35.19	25.789		
6,400.00	6,327.20	6,330.15	6,208.91	17.28	18.94	-90.63	-963.22	853.09	920.64	884.81	35.83	25.693		
6,500.00	6,425.97	6,429.29	6,305.95	17.59	19.28	-90.61	-979.60	865.04	933.71	897.24	36.47	25.599		
6,600.00	6,524.73	8,203.64	7,360.91	17.90	22.11	-9.35	-1,156.46	-62.01	858.76	829.14	29.62	28.989		
6,700.00	6,623.16	8,203.44	7,360.91	18.15	22.11	105.81	-1,156.47	-54.94	759.38	729.51	29.87	25.426		
6,800.00	6,719.30	8,173.99	7,360.92	18.41	21.85	135.95	-1,156.50	-32.36	662.40	632.44	29.96	22.110		
6,900.00	6,810.79	8,136.48	7,360.93	18.65	21.53	147.51	-1,156.54	5.15	570.25	540.26	29.99	19.013		
7,000.00	6,895.36	8,084.94	7,360.94	18.89	21.11	152.94	-1,156.60	56.69	485.23	455.29	29.95	16.203		
7,100.00	6,970.94	8,020.65	7,360.96	19.11	20.70	155.57	-1,156.68	120.98	409.48	379.63	29.85	13.716		
7,200.00	7,035.67	7,945.18	7,360.98	19.33	20.75	156.63	-1,156.77	196.44	344.89	315.14	29.75	11.593		
7,300.00	7,087.95	7,856.15	7,360.93	19.55	20.86	156.59	-1,156.86	285.48	293.01	263.38	29.62	9.891		
7,400.00	7,126.50	7,709.39	7,342.24	19.81	21.02	153.71	-1,153.88	430.69	243.49	213.92	29.57	8.235		
7,500.00	7,150.36	7,585.34	7,301.22	20.16	21.12	148.79	-1,147.09	547.35	190.21	159.64	30.57	6.222		
7,600.00	7,158.95	7,477.66	7,248.10	20.66	21.17	140.04	-1,138.24	640.46	136.83	104.75	32.08	4.265		
7,700.00	7,159.22	7,386.87	7,191.83	21.32	21.20	116.95	-1,128.83	710.98	84.55	49.91	34.64	2.441		
7,783.41	7,159.43	7,325.92	7,148.75	21.99	21.20	80.65	-1,121.62	753.46	59.60	18.87	40.73	1.463 Level 3, CC, ES		
7,800.00	7,159.47	7,315.16	7,140.74	22.13	21.19	72.88	-1,120.27	760.51	60.91	19.23	41.67	1.462 Level 3, SF		
7,900.00	7,159.72	7,258.43	7,096.63	23.06	21.18	39.03	-1,112.87	795.37	109.29	68.42	40.87	2.674		
8,000.00	7,159.98	7,213.11	7,059.29	24.08	21.16	23.89	-1,106.61	820.28	185.16	145.24	39.92	4.638		
8,100.00	7,160.23	7,176.40	7,027.84	25.19	21.14	16.51	-1,101.32	838.43	269.02	229.27	39.75	6.768		
8,200.00	7,160.48	7,150.00	7,004.60	26.36	21.12	12.76	-1,097.42	850.34	356.87	316.97	39.90	8.944		
8,300.00	7,160.74	7,121.17	6,978.70	27.58	21.10	9.64	-1,093.06	862.22	447.16	407.23	39.93	11.199		
8,400.00	7,160.99	7,100.00	6,959.35	28.85	21.08	7.81	-1,089.81	870.17	539.22	499.16	40.06	13.461		
8,500.00	7,161.24	7,081.99	6,942.70	30.16	21.06	6.49	-1,087.01	876.42	632.59	592.41	40.18	15.744		
8,600.00	7,161.50	7,066.46	6,928.20	31.50	21.04	5.48	-1,084.57	881.43	726.95	686.66	40.29	18.042		
8,700.00	7,161.75	7,050.00	6,912.71	32.88	21.02	4.54	-1,081.96	886.34	822.12	781.75	40.37	20.363		
8,800.00	7,162.00	7,050.00	6,912.71	34.28	21.02	4.54	-1,081.96	886.34	918.00	877.45	40.55	22.638		
8,900.00	7,162.25	7,030.67	6,894.36	35.71	21.00	3.56	-1,078.87	891.59	1,014.19	973.62	40.58	24.995		
9,000.00	7,162.51	7,021.37	6,885.48	37.15	20.98	3.14	-1,077.38	893.91	1,110.92	1,070.27	40.66	27.325		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						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	97.20	-18.94	149.89	151.08				
100.00	100.00	101.00	99.00	3.28	3.28	97.20	-18.94	149.89	151.08	143.56	7.53	20.067	
200.00	200.00	199.00	199.00	3.31	3.30	97.20	-18.94	149.89	151.08	143.51	7.57	19.949	CC, ES
300.00	299.98	295.69	295.68	3.34	3.34	-86.61	-20.27	150.78	152.06	144.41	7.65	19.877	
400.00	399.84	392.29	392.15	3.40	3.40	-87.05	-24.32	153.46	155.02	147.26	7.76	19.981	
500.00	499.45	488.76	488.27	3.49	3.48	-87.75	-31.06	157.93	160.00	152.08	7.91	20.214	
600.00	598.70	585.03	583.88	3.60	3.59	-88.64	-40.47	164.17	167.00	158.87	8.13	20.546	
700.00	697.53	681.06	678.80	3.75	3.73	-89.62	-52.52	172.16	176.06	167.66	8.41	20.947	
800.00	796.30	776.80	772.91	3.93	3.91	-89.93	-67.17	181.88	187.16	178.41	8.74	21.404	
900.00	895.07	873.07	866.92	4.14	4.13	-89.47	-84.44	193.33	200.18	191.04	9.14	21.895	
1,000.00	993.83	972.12	963.45	4.37	4.41	-88.87	-102.96	205.61	213.78	204.16	9.61	22.244	
1,100.00	1,092.60	1,071.17	1,059.97	4.61	4.71	-88.34	-121.47	217.89	227.39	217.27	10.12	22.468	
1,200.00	1,191.37	1,170.22	1,156.50	4.88	5.03	-87.86	-139.98	230.16	241.03	230.36	10.67	22.596	
1,300.00	1,290.13	1,269.27	1,253.02	5.15	5.37	-87.44	-158.49	242.44	254.67	243.43	11.24	22.651	
1,400.00	1,388.90	1,368.31	1,349.55	5.44	5.73	-87.06	-177.01	254.72	268.33	256.49	11.84	22.660	
1,500.00	1,487.66	1,467.36	1,446.07	5.74	6.10	-86.72	-195.52	266.99	282.00	269.54	12.46	22.624	
1,600.00	1,586.43	1,566.41	1,542.60	6.04	6.49	-86.41	-214.03	279.27	295.68	282.58	13.10	22.565	
1,700.00	1,685.20	1,665.46	1,639.12	6.36	6.88	-86.13	-232.55	291.55	309.37	295.61	13.76	22.487	
1,800.00	1,783.96	1,764.50	1,735.65	6.68	7.28	-85.87	-251.06	303.82	323.07	308.64	14.42	22.397	
1,900.00	1,882.73	1,863.55	1,832.17	6.85	7.56	-85.63	-269.57	316.10	336.77	322.30	14.46	23.282	
2,000.00	1,981.49	1,962.60	1,928.70	6.89	7.68	-85.41	-288.08	328.38	350.47	335.88	14.59	24.016	
2,100.00	2,080.26	2,061.65	2,025.22	6.94	7.75	-85.21	-306.60	340.65	364.18	349.49	14.69	24.784	
2,200.00	2,179.03	2,160.70	2,121.75	7.01	7.83	-85.02	-325.11	352.93	377.89	363.07	14.83	25.483	
2,300.00	2,277.79	2,259.74	2,218.27	7.09	7.93	-84.85	-343.62	365.21	391.61	376.61	15.00	26.111	
2,400.00	2,376.56	2,358.79	2,314.80	7.19	8.05	-84.68	-362.13	377.48	405.33	390.13	15.20	26.669	
2,500.00	2,475.32	2,457.84	2,411.32	7.31	8.19	-84.53	-380.65	389.76	419.06	403.63	15.43	27.157	
2,600.00	2,574.09	2,556.89	2,507.84	7.44	8.34	-84.39	-399.16	402.04	432.78	417.09	15.69	27.580	
2,700.00	2,672.86	2,655.94	2,604.37	7.58	8.51	-84.25	-417.67	414.31	446.51	430.53	15.98	27.939	
2,800.00	2,771.62	2,754.98	2,700.89	7.73	8.69	-84.13	-436.19	426.59	460.25	443.95	16.30	28.240	
2,900.00	2,870.39	2,854.03	2,797.42	7.90	8.89	-84.01	-454.70	438.87	473.98	457.34	16.64	28.487	
3,000.00	2,969.16	2,953.08	2,893.94	8.07	9.10	-83.90	-473.21	451.14	487.71	470.71	17.00	28.685	
3,100.00	3,067.92	3,052.13	2,990.47	8.26	9.32	-83.79	-491.72	463.42	501.45	484.06	17.39	28.839	
3,200.00	3,166.69	3,151.17	3,086.99	8.46	9.55	-83.69	-510.24	475.70	515.19	497.40	17.79	28.952	
3,300.00	3,265.45	3,250.22	3,183.52	8.66	9.79	-83.60	-528.75	487.97	528.93	510.71	18.22	29.031	
3,400.00	3,364.22	3,349.27	3,280.04	8.88	10.04	-83.51	-547.26	500.25	542.67	524.01	18.66	29.079	
3,500.00	3,462.99	3,448.32	3,376.57	9.10	10.30	-83.42	-565.77	512.53	556.42	537.30	19.12	29.100	
3,600.00	3,561.75	3,547.37	3,473.09	9.32	10.56	-83.34	-584.29	524.80	570.16	550.57	19.59	29.098	
3,700.00	3,660.52	3,646.41	3,569.62	9.56	10.84	-83.26	-602.80	537.08	583.91	563.82	20.08	29.076	
3,800.00	3,759.28	3,745.46	3,666.14	9.80	11.12	-83.19	-621.31	549.36	597.65	577.07	20.58	29.036	
3,900.00	3,858.05	3,844.51	3,762.67	10.05	11.40	-83.12	-639.83	561.63	611.40	590.30	21.10	28.982	
4,000.00	3,956.82	3,943.56	3,859.19	10.30	11.70	-83.05	-658.34	573.91	625.15	603.53	21.62	28.915	
4,100.00	4,055.58	4,042.60	3,955.72	10.56	11.99	-82.98	-676.85	586.19	638.90	616.74	22.15	28.839	
4,200.00	4,154.35	4,141.65	4,052.24	10.82	12.30	-82.92	-695.36	598.46	652.64	629.95	22.70	28.754	
4,300.00	4,253.11	4,240.70	4,148.77	11.08	12.61	-82.86	-713.88	610.74	666.40	643.14	23.25	28.662	
4,400.00	4,351.88	4,339.75	4,245.29	11.35	12.92	-82.80	-732.39	623.02	680.15	656.33	23.81	28.564	
4,500.00	4,450.65	4,438.80	4,341.82	11.63	13.23	-82.75	-750.90	635.29	693.90	669.52	24.38	28.462	
4,600.00	4,549.41	4,537.84	4,438.34	11.90	13.56	-82.70	-769.42	647.57	707.65	682.69	24.96	28.357	
4,700.00	4,648.18	4,636.89	4,534.86	12.18	13.88	-82.65	-787.93	659.85	721.40	695.87	25.54	28.249	
4,800.00	4,746.95	4,735.94	4,631.39	12.47	14.21	-82.60	-806.44	672.12	735.16	709.03	26.13	28.139	
4,900.00	4,845.71	4,834.99	4,727.91	12.75	14.54	-82.55	-824.95	684.40	748.91	722.19	26.72	28.028	
5,000.00	4,944.48	4,934.03	4,824.44	13.04	14.87	-82.50	-843.47	696.68	762.66	735.34	27.32	27.916	
5,100.00	5,043.24	5,033.08	4,920.96	13.33	15.20	-82.46	-861.98	708.95	776.42	748.49	27.92	27.804	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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						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	5,142.01	5,132.13	5,017.49	13.62	15.54	-82.42	-880.49	721.23	790.17	761.64	28.53	27.693		
5,300.00	5,240.78	5,231.18	5,114.01	13.92	15.88	-82.38	-899.00	733.51	803.93	774.78	29.15	27.582		
5,400.00	5,339.54	5,330.23	5,210.54	14.22	16.23	-82.34	-917.52	745.79	817.69	787.92	29.77	27.471		
5,500.00	5,438.31	5,429.27	5,307.06	14.52	16.57	-82.30	-936.03	758.06	831.44	801.06	30.39	27.362		
5,600.00	5,537.07	5,528.32	5,403.59	14.82	16.92	-82.26	-954.54	770.34	845.20	814.19	31.01	27.254		
5,700.00	5,635.84	5,627.37	5,500.11	15.12	17.27	-82.23	-973.06	782.62	858.96	827.32	31.64	27.147		
5,800.00	5,734.61	5,726.42	5,596.64	15.42	17.62	-82.19	-991.57	794.89	872.71	840.44	32.27	27.042		
5,900.00	5,833.37	5,825.46	5,693.16	15.73	17.97	-82.16	-1,010.08	807.17	886.47	853.56	32.91	26.938		
6,000.00	5,932.14	5,924.51	5,789.69	16.04	18.32	-82.13	-1,028.59	819.45	900.23	866.68	33.55	26.836		
6,100.00	6,030.90	6,023.56	5,886.21	16.34	18.67	-82.10	-1,047.11	831.72	913.99	879.80	34.19	26.736		
6,200.00	6,129.67	6,122.61	5,982.74	16.65	19.03	-82.07	-1,065.62	844.00	927.75	892.92	34.83	26.637		
6,300.00	6,228.44	6,221.66	6,079.26	16.96	19.39	-82.04	-1,084.13	856.28	941.50	906.03	35.47	26.541		
6,400.00	6,327.20	6,320.88	6,168.60	17.28	22.12	-7.27	-1,305.96	-53.35	920.93	892.14	28.80	31.982		
6,500.00	6,425.97	6,427.25	6,168.60	17.59	22.14	-6.93	-1,305.98	-54.73	924.68	895.53	29.15	28.293		
6,600.00	6,524.73	6,528.62	6,168.60	17.90	22.15	-5.63	-1,305.99	-56.10	929.44	899.88	29.56	24.678		
6,700.00	6,623.16	6,621.96	6,168.59	18.15	22.09	62.53	-1,305.91	-49.44	935.91	905.91	30.01	21.191		
6,800.00	6,719.30	6,718.20	6,168.55	18.41	21.90	93.82	-1,305.63	-27.28	946.57	916.07	30.49	17.925		
6,900.00	6,810.79	6,812.67	6,168.48	18.65	21.58	107.21	-1,305.16	9.85	954.45	923.36	31.09	14.939		
7,000.00	6,895.36	6,901.49	6,168.39	18.89	21.23	112.25	-1,304.51	61.02	962.63	930.76	31.87	12.321		
7,100.00	6,970.94	6,977.52	6,168.28	19.11	21.13	112.38	-1,303.70	124.98	970.91	939.97	32.94	10.137		
7,200.00	7,035.67	7,042.34	6,168.14	19.33	21.18	109.21	-1,302.75	200.16	979.20	949.94	34.27	8.469		
7,300.00	7,087.95	7,095.77	6,167.91	19.55	21.27	103.81	-1,301.64	286.72	986.47	956.83	35.64	7.337		
7,400.00	7,126.50	7,134.31	6,157.70	19.81	21.39	95.17	-1,298.39	390.52	992.28	963.33	36.95	6.556		
7,500.00	7,150.36	7,158.53	6,133.81	20.16	21.48	85.46	-1,292.63	482.99	997.18	968.83	38.35	6.028		
7,570.59	7,158.03	7,166.06	6,110.58	20.50	21.52	78.27	-1,287.42	541.80	999.88	970.64	39.25	5.832		
7,600.00	7,158.95	7,167.46	6,099.60	20.66	21.54	75.26	-1,285.01	564.80	999.27	970.71	39.57	5.795 SF		
7,700.00	7,159.22	7,167.04	6,059.34	21.32	21.57	65.14	-1,276.38	633.82	999.87	970.31	40.56	5.864		
7,800.00	7,159.47	7,167.48	6,018.50	22.13	21.59	55.69	-1,267.81	688.18	999.36	969.13	41.23	6.340		
7,900.00	7,159.72	7,168.61	6,979.71	23.06	21.59	47.78	-1,259.79	730.34	998.74	967.16	41.58	7.233		
8,000.00	7,159.98	7,168.87	6,944.23	24.08	21.58	41.53	-1,252.53	762.94	997.78	965.01	41.77	8.469		
8,100.00	7,160.23	7,169.00	6,912.66	25.19	21.56	36.72	-1,246.12	788.08	996.29	963.57	41.92	9.954		
8,200.00	7,160.48	7,169.76	6,884.21	26.36	21.55	32.93	-1,240.37	808.06	994.50	961.46	42.04	11.621		
8,300.00	7,160.74	7,170.89	6,859.27	27.58	21.53	29.99	-1,235.35	823.71	992.34	959.19	42.15	13.413		
8,400.00	7,160.99	7,171.00	6,829.27	28.85	21.50	26.86	-1,229.35	840.46	989.50	956.39	42.11	15.351		
8,500.00	7,161.24	7,171.86	6,817.74	30.16	21.49	25.76	-1,227.05	846.33	986.58	953.24	42.35	17.253		
8,600.00	7,161.50	7,172.37	6,800.43	31.50	21.47	24.21	-1,223.60	854.59	983.24	950.80	42.43	19.261		
8,700.00	7,161.75	7,173.00	6,784.79	32.88	21.45	22.91	-1,220.49	861.49	979.82	948.31	42.50	21.311		
8,800.00	7,162.00	7,173.06	6,771.20	34.28	21.44	21.84	-1,217.79	867.08	975.94	945.36	42.57	23.393		
8,900.00	7,162.25	7,173.55	6,758.80	35.71	21.42	20.92	-1,215.34	871.85	971.31	942.68	42.64	25.502		
9,000.00	7,162.51	7,174.00	6,738.83	37.15	21.40	19.53	-1,211.39	878.89	966.82	939.19	42.63	27.673		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	81.96	21.13	149.61	151.10				
100.00	100.00	101.00	99.00	3.28	3.28	81.96	21.13	149.61	151.10	143.57	7.53	20.069	
200.00	200.00	199.00	199.00	3.31	3.30	81.96	21.13	149.61	151.10	143.53	7.57	19.951	CC, ES
300.00	299.98	296.02	296.00	3.34	3.34	-101.80	19.97	150.73	152.42	144.77	7.65	19.923	
400.00	399.84	392.91	392.76	3.40	3.40	-102.08	16.45	154.11	156.43	148.67	7.76	20.154	
500.00	499.45	489.58	489.09	3.49	3.48	-102.52	10.58	159.74	163.13	155.21	7.92	20.591	
600.00	598.70	585.94	584.77	3.60	3.59	-103.06	2.40	167.58	172.52	164.38	8.14	21.194	
700.00	697.53	681.89	679.62	3.75	3.73	-103.65	-8.05	177.60	184.48	176.06	8.42	21.906	
800.00	796.30	779.89	776.08	3.93	3.92	-103.78	-20.52	189.56	197.96	189.19	8.77	22.576	
900.00	895.07	878.96	873.58	4.14	4.13	-103.86	-33.24	201.76	211.53	202.36	9.17	23.059	
1,000.00	993.83	978.04	971.07	4.37	4.37	-103.93	-45.97	213.96	225.10	215.48	9.62	23.391	
1,100.00	1,092.60	1,077.11	1,068.56	4.61	4.64	-104.00	-58.69	226.17	238.67	228.56	10.11	23.603	
1,200.00	1,191.37	1,176.19	1,166.06	4.88	4.92	-104.06	-71.42	238.37	252.25	241.61	10.63	23.722	
1,300.00	1,290.13	1,275.26	1,263.55	5.15	5.22	-104.11	-84.14	250.57	265.82	254.64	11.18	23.770	
1,400.00	1,388.90	1,374.33	1,361.04	5.44	5.52	-104.15	-96.87	262.77	279.39	267.64	11.75	23.769	
1,500.00	1,487.66	1,473.41	1,458.54	5.74	5.85	-104.19	-109.59	274.97	292.97	280.62	12.35	23.726	
1,600.00	1,586.43	1,572.48	1,556.03	6.04	6.17	-104.23	-122.31	287.18	306.54	293.58	12.96	23.657	
1,700.00	1,685.20	1,671.56	1,653.52	6.36	6.51	-104.27	-135.04	299.38	320.11	306.53	13.58	23.569	
1,800.00	1,783.96	1,770.63	1,751.01	6.68	6.85	-104.30	-147.76	311.58	333.69	319.47	14.22	23.469	
1,900.00	1,882.73	1,869.71	1,848.51	6.85	7.09	-104.33	-160.49	323.78	347.26	333.03	14.23	24.402	
2,000.00	1,981.49	1,968.78	1,946.00	6.89	7.18	-104.36	-173.21	335.99	360.84	346.49	14.35	25.153	
2,100.00	2,080.26	2,067.85	2,043.49	6.94	7.23	-104.38	-185.94	348.19	374.41	359.96	14.45	25.919	
2,200.00	2,179.03	2,166.93	2,140.99	7.01	7.30	-104.41	-198.66	360.39	387.98	373.41	14.58	26.616	
2,300.00	2,277.79	2,266.00	2,238.48	7.09	7.38	-104.43	-211.38	372.59	401.56	386.82	14.74	27.243	
2,400.00	2,376.56	2,365.08	2,335.97	7.19	7.49	-104.45	-224.11	384.80	415.13	400.20	14.93	27.799	
2,500.00	2,475.32	2,464.15	2,433.47	7.31	7.60	-104.47	-236.83	397.00	428.71	413.55	15.16	28.286	
2,600.00	2,574.09	2,563.23	2,530.96	7.44	7.73	-104.49	-249.56	409.20	442.28	426.87	15.41	28.707	
2,700.00	2,672.86	2,662.30	2,628.45	7.58	7.87	-104.50	-262.28	421.40	455.85	440.17	15.68	29.065	
2,800.00	2,771.62	2,761.37	2,725.95	7.73	8.03	-104.52	-275.01	433.60	469.43	453.44	15.99	29.365	
2,900.00	2,870.39	2,860.45	2,823.44	7.90	8.20	-104.53	-287.73	445.81	483.00	466.69	16.31	29.611	
3,000.00	2,969.16	2,959.52	2,920.93	8.07	8.38	-104.55	-300.45	458.01	496.58	479.92	16.66	29.807	
3,100.00	3,067.92	3,058.60	3,018.43	8.26	8.57	-104.56	-313.18	470.21	510.15	493.12	17.03	29.959	
3,200.00	3,166.69	3,157.67	3,115.92	8.46	8.77	-104.57	-325.90	482.41	523.73	506.31	17.42	30.071	
3,300.00	3,265.45	3,256.75	3,213.41	8.66	8.98	-104.59	-338.63	494.62	537.30	519.48	17.82	30.147	
3,400.00	3,364.22	3,355.82	3,310.91	8.88	9.20	-104.60	-351.35	506.82	550.88	532.63	18.25	30.192	
3,500.00	3,462.99	3,454.89	3,408.40	9.10	9.42	-104.61	-364.08	519.02	564.45	545.76	18.68	30.209	
3,600.00	3,561.75	3,553.97	3,505.89	9.32	9.66	-104.62	-376.80	531.22	578.02	558.89	19.14	30.203	
3,700.00	3,660.52	3,653.04	3,603.38	9.56	9.90	-104.63	-389.52	543.43	591.60	571.99	19.61	30.176	
3,800.00	3,759.28	3,752.12	3,700.88	9.80	10.14	-104.64	-402.25	555.63	605.17	585.09	20.08	30.131	
3,900.00	3,858.05	3,851.19	3,798.37	10.05	10.39	-104.65	-414.97	567.83	618.75	598.17	20.58	30.072	
4,000.00	3,956.82	3,950.27	3,895.86	10.30	10.65	-104.66	-427.70	580.03	632.32	611.24	21.08	29.999	
4,100.00	4,055.58	4,049.34	3,993.36	10.56	10.92	-104.67	-440.42	592.23	645.90	624.31	21.59	29.917	
4,200.00	4,154.35	4,148.41	4,090.85	10.82	11.18	-104.67	-453.15	604.44	659.47	637.36	22.11	29.825	
4,300.00	4,253.11	4,247.49	4,188.34	11.08	11.46	-104.68	-465.87	616.64	673.05	650.40	22.64	29.726	
4,400.00	4,351.88	4,346.56	4,285.84	11.35	11.73	-104.69	-478.59	628.84	686.62	663.44	23.18	29.622	
4,500.00	4,450.65	4,445.64	4,383.33	11.63	12.02	-104.70	-491.32	641.04	700.20	676.47	23.73	29.513	
4,600.00	4,549.41	4,544.71	4,480.82	11.90	12.30	-104.70	-504.04	653.25	713.77	689.49	24.28	29.400	
4,700.00	4,648.18	4,643.79	4,578.32	12.18	12.59	-104.71	-516.77	665.45	727.34	702.51	24.84	29.285	
4,800.00	4,746.95	4,742.86	4,675.81	12.47	12.88	-104.72	-529.49	677.65	740.92	715.52	25.40	29.167	
4,900.00	4,845.71	4,841.94	4,773.30	12.75	13.17	-104.72	-542.22	689.85	754.49	728.52	25.97	29.049	
5,000.00	4,944.48	4,941.01	4,870.80	13.04	13.47	-104.73	-554.94	702.06	768.07	741.52	26.55	28.929	
5,100.00	5,043.24	5,040.08	4,968.29	13.33	13.77	-104.73	-567.66	714.26	781.64	754.51	27.13	28.810	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 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	
5,200.00	5,142.01	5,139.16	5,065.78	13.62	14.07	-104.74	-580.39	726.46	795.22	767.50	27.72	28.691	
5,300.00	5,240.78	5,238.23	5,163.28	13.92	14.37	-104.74	-593.11	738.66	808.79	780.49	28.31	28.572	
5,400.00	5,339.54	5,337.31	5,260.77	14.22	14.68	-104.75	-605.84	750.86	822.37	793.47	28.90	28.454	
5,500.00	5,438.31	5,436.38	5,358.26	14.52	14.99	-104.75	-618.56	763.07	835.94	806.44	29.50	28.337	
5,600.00	5,537.07	5,535.46	5,455.76	14.82	15.30	-104.76	-631.29	775.27	849.52	819.42	30.10	28.222	
5,700.00	5,635.84	5,634.53	5,553.25	15.12	15.61	-104.76	-644.01	787.47	863.09	832.39	30.71	28.108	
5,800.00	5,734.61	5,733.60	5,650.74	15.42	15.92	-104.77	-656.73	799.67	876.67	845.35	31.32	27.995	
5,900.00	5,833.37	5,832.68	5,748.23	15.73	16.23	-104.77	-669.46	811.88	890.24	858.31	31.93	27.884	
6,000.00	5,932.14	5,931.75	5,845.73	16.04	16.55	-104.78	-682.18	824.08	903.82	871.28	32.54	27.775	
6,100.00	6,030.90	6,030.83	5,943.22	16.34	16.87	-104.78	-694.91	836.28	917.39	884.23	33.16	27.667	
6,200.00	6,129.67	6,129.90	6,040.71	16.65	17.19	-104.78	-707.63	848.48	930.97	897.19	33.78	27.562	
6,300.00	6,228.44	6,228.98	6,138.21	16.96	17.51	-104.79	-720.36	860.69	944.54	910.14	34.40	27.458	
6,400.00	6,327.20	8,042.53	7,237.69	17.28	21.21	178.59	-861.63	-60.23	914.35	884.74	29.61	30.881	
6,500.00	6,425.97	8,043.40	7,237.69	17.59	21.22	178.36	-861.63	-61.10	817.46	787.43	30.03	27.218	
6,600.00	6,524.73	8,044.27	7,237.69	17.90	21.23	178.45	-861.63	-61.98	721.42	690.90	30.52	23.635	
6,700.00	6,623.16	8,037.12	7,237.70	18.15	21.16	-159.09	-861.65	-54.83	626.94	595.88	31.06	20.186	
6,800.00	6,719.30	8,014.47	7,237.72	18.41	20.96	-152.41	-861.70	-32.18	536.45	504.82	31.63	16.959	
6,900.00	6,810.79	7,976.88	7,237.75	18.65	20.64	-149.33	-861.78	5.41	452.96	420.65	32.30	14.023	
7,000.00	6,895.36	7,925.28	7,237.80	18.89	20.24	-145.71	-861.89	57.02	379.50	346.37	33.13	11.456	
7,100.00	6,970.94	7,860.93	7,237.86	19.11	19.79	-140.68	-862.04	121.37	318.95	284.82	34.14	9.343	
7,200.00	7,035.67	7,785.41	7,237.92	19.33	19.40	-134.13	-862.20	196.88	273.42	238.18	35.25	7.757	
7,300.00	7,087.95	7,699.46	7,237.97	19.55	19.21	-126.45	-862.39	282.83	243.25	206.99	36.26	6.708	
7,400.00	7,126.50	7,594.55	7,228.57	19.81	19.20	-116.01	-861.38	387.21	223.19	185.97	37.23	5.995	
7,500.00	7,150.36	7,498.22	7,205.09	20.16	19.25	-104.85	-858.52	480.49	211.52	173.59	37.93	5.576	
7,569.28	7,157.96	7,435.49	7,182.40	20.49	19.28	-97.00	-855.69	538.87	209.16	171.13	38.02	5.501 SF	
7,600.00	7,158.95	7,408.56	7,170.93	20.66	19.29	-93.57	-854.25	563.20	209.61	171.68	37.93	5.526	
7,700.00	7,159.22	7,327.50	7,130.41	21.32	19.32	-82.62	-849.11	633.14	218.84	181.71	37.13	5.893	
7,800.00	7,159.47	7,258.30	7,089.07	22.13	19.35	-72.48	-843.85	688.36	243.68	207.85	35.83	6.801	
7,900.00	7,159.72	7,200.00	7,049.81	23.06	19.36	-64.15	-838.82	731.13	284.82	250.04	34.78	8.189	
8,000.00	7,159.98	7,150.00	7,013.16	24.08	19.36	-57.57	-834.12	764.80	339.58	305.27	34.31	9.898	
8,100.00	7,160.23	7,108.95	6,981.19	25.19	19.36	-52.69	-830.01	790.21	404.55	370.25	34.30	11.793	
8,200.00	7,160.48	7,073.62	6,952.43	26.36	19.35	-48.90	-826.30	810.37	476.92	442.39	34.53	13.813	
8,300.00	7,160.74	7,050.00	6,932.60	27.58	19.35	-46.58	-823.75	822.94	554.74	519.83	34.92	15.887	
8,400.00	7,160.99	7,017.44	6,904.53	28.85	19.33	-43.65	-820.13	839.04	636.42	601.24	35.18	18.088	
8,500.00	7,161.24	7,000.00	6,889.17	30.16	19.32	-42.20	-818.14	847.06	721.23	685.68	35.55	20.289	
8,600.00	7,161.50	6,975.22	6,866.99	31.50	19.31	-40.28	-815.28	857.72	808.31	772.50	35.81	22.573	
8,700.00	7,161.75	6,950.00	6,844.01	32.88	19.29	-38.48	-812.30	867.66	897.34	861.31	36.04	24.900	
8,800.00	7,162.00	6,950.00	6,844.01	34.28	19.29	-38.48	-812.30	867.66	987.76	951.41	36.36	27.168	
8,900.00	7,162.25	6,928.97	6,824.55	35.71	19.28	-37.09	-809.78	875.25	1,079.33	1,042.79	36.54	29.537	
9,000.00	7,162.51	6,916.76	6,813.16	37.15	19.27	-36.33	-808.31	879.36	1,171.95	1,135.21	36.74	31.898	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 8C-27-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	12.47	7.57	2.646		
300.00	299.98	300.70	300.68	3.34	3.35	175.49	18.28	-0.41	20.03	12.38	7.65	2.619		
400.00	399.84	401.40	401.24	3.40	3.41	175.31	12.98	-0.81	20.00	12.25	7.75	2.580		
500.00	499.45	502.10	501.54	3.49	3.49	175.01	4.17	-1.47	19.95	12.06	7.89	2.527		
564.28	563.29	566.82	565.82	3.56	3.56	174.75	-3.35	-2.04	19.90	11.90	8.00	2.487 CC		
600.00	598.70	602.51	601.23	3.60	3.60	174.68	-7.82	-2.37	20.17	12.09	8.08	2.495		
700.00	697.53	702.47	700.39	3.75	3.75	174.94	-20.37	-3.32	22.83	14.50	8.33	2.740		
800.00	796.30	802.43	799.55	3.93	3.91	175.23	-32.91	-4.26	25.94	17.32	8.62	3.010		
900.00	895.07	902.38	898.71	4.14	4.10	175.46	-45.45	-5.20	29.05	20.11	8.94	3.249		
1,000.00	993.83	1,002.33	997.87	4.37	4.31	175.64	-58.00	-6.15	32.16	22.86	9.30	3.459		
1,100.00	1,092.60	1,102.28	1,097.02	4.61	4.54	175.80	-70.54	-7.09	35.27	25.59	9.68	3.644		
1,200.00	1,191.37	1,202.23	1,196.18	4.88	4.78	175.92	-83.08	-8.03	38.38	28.29	10.08	3.806		
1,300.00	1,290.13	1,302.18	1,295.34	5.15	5.03	176.03	-95.63	-8.98	41.49	30.98	10.51	3.947		
1,400.00	1,388.90	1,402.14	1,394.49	5.44	5.29	176.12	-108.17	-9.92	44.60	33.64	10.96	4.071		
1,500.00	1,487.66	1,502.09	1,493.65	5.74	5.56	176.21	-120.72	-10.86	47.71	36.29	11.42	4.179		
1,600.00	1,586.43	1,602.04	1,592.81	6.04	5.84	176.28	-133.26	-11.81	50.82	38.93	11.89	4.274		
1,700.00	1,685.20	1,701.99	1,691.96	6.36	6.12	176.34	-145.80	-12.75	53.93	41.55	12.38	4.357		
1,800.00	1,783.96	1,801.94	1,791.12	6.68	6.41	176.40	-158.35	-13.69	57.04	44.16	12.87	4.431		
1,900.00	1,882.73	1,901.89	1,890.28	6.85	6.56	176.45	-170.89	-14.63	60.14	47.40	12.75	4.718		
2,000.00	1,981.49	2,001.84	1,989.43	6.89	6.59	176.49	-183.43	-15.58	63.25	50.48	12.78	4.951		
2,100.00	2,080.26	2,101.80	2,088.59	6.94	6.64	176.53	-195.98	-16.52	66.36	53.53	12.84	5.170		
2,200.00	2,179.03	2,201.75	2,187.75	7.01	6.70	176.57	-208.52	-17.46	69.47	56.55	12.93	5.375		
2,300.00	2,277.79	2,301.70	2,286.90	7.09	6.77	176.60	-221.07	-18.41	72.58	59.54	13.04	5.564		
2,400.00	2,376.56	2,401.65	2,386.06	7.19	6.86	176.64	-233.61	-19.35	75.69	62.50	13.19	5.739		
2,500.00	2,475.32	2,501.60	2,485.22	7.31	6.96	176.66	-246.15	-20.29	78.80	65.44	13.36	5.898		
2,600.00	2,574.09	2,601.55	2,584.38	7.44	7.08	176.69	-258.70	-21.24	81.91	68.35	13.56	6.041		
2,700.00	2,672.86	2,701.51	2,683.53	7.58	7.21	176.72	-271.24	-22.18	85.02	71.24	13.78	6.169		
2,800.00	2,771.62	2,801.46	2,782.69	7.73	7.35	176.74	-283.78	-23.12	88.13	74.11	14.03	6.282		
2,900.00	2,870.39	2,901.41	2,881.85	7.90	7.50	176.76	-296.33	-24.07	91.24	76.95	14.30	6.382		
3,000.00	2,969.16	3,001.36	2,981.00	8.07	7.66	176.78	-308.87	-25.01	94.36	79.77	14.59	6.468		
3,100.00	3,067.92	3,101.31	3,080.16	8.26	7.83	176.80	-321.42	-25.95	97.47	82.57	14.90	6.543		
3,200.00	3,166.69	3,201.26	3,179.32	8.46	8.01	176.82	-333.96	-26.90	100.58	85.35	15.22	6.607		
3,300.00	3,265.45	3,301.22	3,278.47	8.66	8.20	176.83	-346.50	-27.84	103.69	88.12	15.57	6.660		
3,400.00	3,364.22	3,401.17	3,377.63	8.88	8.40	176.85	-359.05	-28.78	106.80	90.87	15.93	6.705		
3,500.00	3,462.99	3,501.12	3,476.79	9.10	8.60	176.86	-371.59	-29.73	109.91	93.60	16.30	6.741		
3,600.00	3,561.75	3,601.07	3,575.94	9.32	8.81	176.88	-384.14	-30.67	113.02	96.32	16.69	6.770		
3,700.00	3,660.52	3,701.02	3,675.10	9.56	9.03	176.89	-396.68	-31.61	116.13	99.03	17.09	6.793		
3,800.00	3,759.28	3,800.97	3,774.26	9.80	9.25	176.90	-409.22	-32.56	119.24	101.73	17.51	6.810		
3,900.00	3,858.05	3,900.93	3,873.42	10.05	9.48	176.92	-421.77	-33.50	122.35	104.41	17.93	6.822		
4,000.00	3,956.82	4,000.88	3,972.57	10.30	9.71	176.93	-434.31	-34.44	125.46	107.09	18.37	6.830		
4,100.00	4,055.58	4,100.83	4,071.73	10.56	9.95	176.94	-446.85	-35.38	128.57	109.75	18.81	6.833		
4,200.00	4,154.35	4,200.78	4,170.89	10.82	10.20	176.95	-459.40	-36.33	131.68	112.41	19.27	6.834		
4,300.00	4,253.11	4,300.73	4,270.04	11.08	10.44	176.96	-471.94	-37.27	134.79	115.06	19.73	6.831		
4,400.00	4,351.88	4,400.68	4,369.20	11.35	10.69	176.97	-484.49	-38.21	137.90	117.70	20.20	6.827		
4,500.00	4,450.65	4,500.64	4,468.36	11.63	10.95	176.98	-497.03	-39.16	141.01	120.33	20.68	6.820		
4,600.00	4,549.41	4,600.59	4,567.51	11.90	11.21	176.98	-509.57	-40.10	144.12	122.96	21.16	6.811		
4,700.00	4,648.18	4,700.54	4,666.67	12.18	11.47	176.99	-522.12	-41.04	147.23	125.58	21.65	6.800		
4,800.00	4,746.95	4,800.49	4,765.83	12.47	11.73	177.00	-534.66	-41.99	150.34	128.19	22.15	6.789		
4,900.00	4,845.71	4,900.44	4,864.98	12.75	12.00	177.01	-547.20	-42.93	153.45	130.80	22.65	6.776		
5,000.00	4,944.48	5,000.39	4,964.14	13.04	12.27	177.01	-559.75	-43.87	156.56	133.41	23.15	6.762		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 8C-27-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	5,043.24	5,100.35	5,063.30	13.33	12.54	177.02	-572.29	-44.82	159.67	136.01	23.66	6.748		
5,200.00	5,142.01	5,200.30	5,162.45	13.62	12.82	177.03	-584.84	-45.76	162.78	138.60	24.18	6.732		
5,300.00	5,240.78	5,300.25	5,261.61	13.92	13.09	177.03	-597.38	-46.70	165.89	141.19	24.70	6.717		
5,400.00	5,339.54	5,400.20	5,360.77	14.22	13.37	177.04	-609.92	-47.65	169.00	143.78	25.22	6.701		
5,500.00	5,438.31	5,500.15	5,459.93	14.52	13.65	177.05	-622.47	-48.59	172.11	146.36	25.75	6.685		
5,600.00	5,537.07	5,600.10	5,559.08	14.82	13.93	177.05	-635.01	-49.53	175.22	148.94	26.28	6.668		
5,700.00	5,635.84	5,700.05	5,658.24	15.12	14.21	177.06	-647.55	-50.48	178.33	151.52	26.81	6.652		
5,800.00	5,734.61	5,800.01	5,757.40	15.42	14.50	177.06	-660.10	-51.42	181.44	154.09	27.35	6.635		
5,900.00	5,833.37	5,900.04	5,856.55	15.73	14.79	177.07	-672.64	-52.36	184.55	156.67	27.88	6.618		
6,000.00	5,932.14	6,000.09	5,955.71	16.04	15.07	177.07	-685.19	-53.30	187.66	159.23	28.43	6.602		
6,100.00	6,030.90	6,100.14	6,054.87	16.34	15.36	177.08	-697.73	-54.25	190.77	161.80	28.97	6.585		
6,200.00	6,129.67	6,200.19	6,154.02	16.65	15.65	177.08	-710.27	-55.19	193.88	164.36	29.52	6.568		
6,300.00	6,228.44	6,299.76	6,253.18	16.96	15.94	177.09	-722.82	-56.13	196.99	166.93	30.06	6.552		
6,400.00	6,327.20	6,400.28	6,352.34	17.28	16.24	177.09	-735.36	-57.08	200.10	169.48	30.62	6.536		
6,500.00	6,425.97	6,500.33	6,451.49	17.59	16.53	177.10	-747.90	-58.02	203.21	172.04	31.17	6.520		
6,600.00	6,524.73	6,600.38	6,550.65	17.90	16.83	177.77	-760.45	-58.96	206.32	174.60	31.72	6.504		
6,700.00	6,623.16	6,700.85	6,649.39	18.15	17.12	-137.93	-772.94	-59.90	209.45	177.18	32.27	6.491		
6,800.00	6,719.30	6,797.28	6,746.74	18.41	17.40	-124.30	-785.24	-60.14	214.20	181.33	32.87	6.517		
6,900.00	6,810.79	6,899.46	6,847.35	18.65	17.64	-122.23	-797.64	-48.21	222.22	188.73	33.49	6.636		
7,000.00	6,895.36	7,006.49	6,949.32	18.89	17.89	-123.49	-809.76	-18.52	232.88	198.86	34.03	6.844		
7,100.00	6,970.94	7,118.83	7,049.52	19.11	18.14	-125.72	-821.16	30.66	245.25	210.86	34.39	7.131		
7,200.00	7,035.67	7,236.78	7,143.84	19.33	18.39	-128.02	-831.30	100.47	258.18	223.58	34.61	7.461		
7,300.00	7,087.95	7,360.34	7,227.23	19.55	18.64	-129.98	-839.53	191.01	270.50	235.72	34.79	7.776		
7,400.00	7,126.50	7,489.05	7,294.02	19.81	18.90	-131.42	-845.19	300.63	281.10	245.90	35.20	7.986		
7,500.00	7,150.36	7,621.90	7,338.65	20.16	19.28	-132.23	-847.65	425.49	289.04	252.92	36.12	8.002		
7,600.00	7,158.95	7,757.36	7,356.74	20.66	19.95	-132.38	-846.54	559.46	293.65	255.92	37.73	7.783		
7,700.00	7,159.22	7,861.99	7,357.12	21.32	20.69	-132.09	-843.93	664.06	295.32	256.00	39.32	7.511		
7,800.00	7,159.47	7,961.96	7,357.26	22.13	21.54	-131.78	-841.42	764.00	296.89	255.92	40.97	7.247		
7,900.00	7,159.72	8,061.94	7,357.39	23.06	22.50	-131.48	-838.90	863.95	298.48	255.73	42.75	6.982		
8,000.00	7,159.98	8,161.91	7,357.53	24.08	23.55	-131.18	-836.38	963.89	300.07	255.43	44.64	6.722		
8,100.00	7,160.23	8,261.89	7,357.67	25.19	24.67	-130.89	-833.86	1,063.84	301.68	255.04	46.63	6.469		
8,200.00	7,160.48	8,361.87	7,357.80	26.36	25.85	-130.60	-831.35	1,163.78	303.28	254.57	48.72	6.225		
8,300.00	7,160.74	8,461.84	7,357.94	27.58	27.08	-130.31	-828.83	1,263.72	304.90	254.01	50.89	5.992		
8,400.00	7,160.99	8,561.82	7,358.08	28.85	28.36	-130.02	-826.31	1,363.67	306.53	253.40	53.13	5.769		
8,500.00	7,161.24	8,661.79	7,358.21	30.16	29.68	-129.74	-823.79	1,463.61	308.16	252.72	55.44	5.559		
8,600.00	7,161.50	8,761.77	7,358.35	31.50	31.03	-129.46	-821.27	1,563.55	309.80	251.99	57.81	5.359		
8,700.00	7,161.75	8,861.74	7,358.49	32.88	32.41	-129.19	-818.76	1,663.50	311.45	251.22	60.23	5.171		
8,800.00	7,162.00	8,961.72	7,358.63	34.28	33.82	-128.91	-816.24	1,763.44	313.10	250.40	62.70	4.993		
8,900.00	7,162.25	9,061.69	7,358.76	35.71	35.25	-128.64	-813.72	1,863.38	314.76	249.54	65.22	4.826		
9,000.00	7,162.51	9,161.67	7,358.90	37.15	36.70	-128.37	-811.20	1,963.33	316.43	248.65	67.78	4.668		
9,100.00	7,162.76	9,261.64	7,359.04	38.62	38.17	-128.11	-808.68	2,063.27	318.11	247.73	70.38	4.520		
9,200.00	7,163.01	9,361.62	7,359.17	40.10	39.65	-127.85	-806.17	2,163.21	319.79	246.77	73.01	4.380		
9,300.00	7,163.27	9,461.59	7,359.31	41.59	41.15	-127.59	-803.65	2,263.16	321.48	245.80	75.68	4.248		
9,400.00	7,163.52	9,561.57	7,359.45	43.10	42.66	-127.33	-801.13	2,363.10	323.17	244.80	78.38	4.123		
9,500.00	7,163.77	9,661.54	7,359.58	44.62	44.18	-127.07	-798.61	2,463.04	324.87	243.77	81.10	4.006		
9,600.00	7,164.03	9,761.52	7,359.72	46.15	45.71	-126.82	-796.09	2,562.99	326.58	242.73	83.85	3.895		
9,700.00	7,164.28	9,861.49	7,359.86	47.69	47.25	-126.57	-793.58	2,662.93	328.30	241.67	86.63	3.790		
9,800.00	7,164.53	9,961.47	7,359.99	49.24	48.80	-126.33	-791.06	2,762.87	330.02	240.59	89.42	3.691		
9,900.00	7,164.79	10,061.44	7,360.13	50.79	50.36	-126.08	-788.54	2,862.82	331.74	239.50	92.24	3.596		
10,000.00	7,165.04	10,161.42	7,360.27	52.36	51.92	-125.84	-786.02	2,962.76	333.47	238.39	95.08	3.507		
10,100.00	7,165.29	10,261.39	7,360.40	53.93	53.49	-125.60	-783.51	3,062.70	335.21	237.27	97.94	3.423		
10,200.00	7,165.54	10,361.37	7,360.54	55.50	55.07	-125.37	-780.99	3,162.65	336.96	236.14	100.82	3.342		

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 8C-27-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	7,165.80	10,461.34	7,360.68	57.08	56.65	-125.13	-778.47	3,262.59	338.71	235.00	103.71	3.266		
10,400.00	7,166.05	10,561.32	7,360.81	58.67	58.23	-124.90	-775.95	3,362.53	340.46	233.84	106.62	3.193		
10,500.00	7,166.30	10,661.29	7,360.95	60.26	59.82	-124.67	-773.43	3,462.48	342.22	232.68	109.55	3.124		
10,600.00	7,166.56	10,761.27	7,361.09	61.85	61.42	-124.45	-770.92	3,562.42	343.99	231.50	112.49	3.058		
10,700.00	7,166.81	10,868.11	7,361.23	63.45	63.13	-124.29	-769.05	3,669.24	345.14	229.45	115.69	2.983		
10,800.00	7,167.06	10,971.08	7,361.37	65.06	64.78	-124.37	-769.85	3,772.21	344.18	225.63	118.55	2.903		
10,900.00	7,167.32	11,071.08	7,361.51	66.66	66.40	-124.47	-770.78	3,872.20	343.10	221.82	121.29	2.829		
11,000.00	7,167.57	11,171.07	7,361.64	68.27	68.01	-124.57	-771.71	3,972.19	342.03	218.00	124.02	2.758		
11,100.00	7,167.82	11,271.06	7,361.77	69.88	69.63	-124.67	-772.64	4,072.17	340.95	214.19	126.76	2.690		
11,200.00	7,168.08	11,371.05	7,361.91	71.50	71.25	-124.77	-773.57	4,172.16	339.88	210.38	129.50	2.625		
11,300.00	7,168.33	11,471.05	7,362.04	73.11	72.88	-124.87	-774.50	4,272.15	338.81	206.57	132.23	2.562		
11,400.00	7,168.58	11,571.04	7,362.17	74.73	74.50	-124.97	-775.43	4,372.14	337.73	202.77	134.97	2.502		
11,500.00	7,168.84	11,671.03	7,362.31	76.35	76.13	-125.08	-776.36	4,472.13	336.66	198.96	137.70	2.445		
11,600.00	7,169.09	11,771.02	7,362.44	77.98	77.76	-125.18	-777.29	4,572.11	335.59	195.16	140.43	2.390		
11,700.00	7,169.34	11,871.02	7,362.58	79.60	79.39	-125.29	-778.22	4,672.10	334.52	191.37	143.16	2.337		
11,800.00	7,169.59	11,971.01	7,362.71	81.23	81.02	-125.39	-779.15	4,772.09	333.46	187.57	145.88	2.286		
11,838.36	7,169.69	12,009.37	7,362.76	81.86	81.65	-125.40	-779.51	4,810.45	333.25	186.30	146.95	2.268		
11,900.00	7,169.85	12,071.00	7,362.84	82.86	82.66	-125.34	-780.08	4,872.08	333.75	184.97	148.78	2.243		
12,000.00	7,170.10	12,170.95	7,362.98	84.50	84.29	-125.02	-781.01	4,972.03	336.27	184.32	151.94	2.213		
12,100.00	7,170.36	12,270.90	7,363.11	86.14	85.93	-124.68	-781.94	5,071.96	338.96	183.81	155.14	2.185		
12,200.00	7,170.61	12,370.84	7,363.24	87.78	87.57	-124.34	-782.87	5,171.90	341.66	183.30	158.35	2.158		
12,300.00	7,170.87	12,470.78	7,363.38	89.43	89.21	-124.01	-783.80	5,271.84	344.37	182.80	161.57	2.131		
12,400.00	7,171.12	12,570.73	7,363.51	91.07	90.85	-123.68	-784.73	5,371.78	347.10	182.30	164.80	2.106		
12,500.00	7,171.38	12,670.67	7,363.65	92.72	92.49	-123.36	-785.66	5,471.72	349.84	181.80	168.04	2.082		
12,600.00	7,171.63	12,770.61	7,363.78	94.36	94.13	-123.04	-786.58	5,571.66	352.58	181.30	171.28	2.059		
12,700.00	7,171.89	12,870.56	7,363.91	96.01	95.77	-122.73	-787.51	5,671.60	355.34	180.81	174.53	2.036		
12,800.00	7,172.14	12,970.50	7,364.05	97.66	97.42	-122.42	-788.44	5,771.54	358.11	180.32	177.79	2.014		
12,900.00	7,172.40	13,070.44	7,364.18	99.31	99.06	-122.12	-789.37	5,871.48	360.89	179.83	181.05	1.993		
13,000.00	7,172.65	13,170.39	7,364.31	100.96	100.71	-121.82	-790.30	5,971.42	363.67	179.35	184.32	1.973		
13,100.00	7,172.91	13,270.33	7,364.45	102.61	102.36	-121.53	-791.23	6,071.35	366.47	178.87	187.60	1.953		
13,200.00	7,173.16	13,370.27	7,364.58	104.26	104.01	-121.24	-792.16	6,171.29	369.28	178.40	190.88	1.935		
13,300.00	7,173.42	13,470.25	7,364.72	105.91	105.66	-121.07	-793.09	6,271.27	370.70	176.69	194.02	1.911		
13,400.00	7,173.67	13,570.23	7,364.85	107.55	107.31	-121.20	-794.02	6,371.24	369.14	172.32	196.82	1.876		
13,500.00	7,173.92	13,670.11	7,364.98	109.19	108.95	-121.61	-794.95	6,471.12	364.86	165.58	199.28	1.831		
13,600.00	7,174.18	13,769.95	7,365.12	110.82	110.60	-122.05	-795.88	6,570.96	360.10	158.45	201.65	1.786		
13,700.00	7,174.43	13,869.80	7,365.25	112.46	112.25	-122.51	-796.80	6,670.80	355.37	151.39	203.98	1.742		
13,800.00	7,174.68	13,969.65	7,365.38	114.09	113.90	-122.98	-797.73	6,770.64	350.66	144.39	206.27	1.700		
13,900.00	7,174.94	14,069.50	7,365.52	115.73	115.55	-123.46	-798.66	6,870.49	345.97	137.45	208.51	1.659		
14,000.00	7,175.19	14,169.34	7,365.65	117.37	117.21	-123.95	-799.59	6,970.33	341.30	130.59	210.71	1.620		
14,100.00	7,175.44	14,269.19	7,365.79	119.01	118.86	-124.46	-800.52	7,070.17	336.66	123.81	212.86	1.582		
14,200.00	7,175.70	14,369.04	7,365.92	120.65	120.51	-124.98	-801.45	7,170.01	332.05	117.10	214.95	1.545		
14,300.00	7,175.95	14,468.89	7,366.05	122.29	122.16	-125.52	-802.37	7,269.86	327.47	110.48	216.99	1.509		
14,400.00	7,176.20	14,568.73	7,366.19	123.93	123.82	-126.07	-803.30	7,369.70	322.92	103.94	218.98	1.475 Level 3		
14,500.00	7,176.46	14,668.58	7,366.32	125.57	125.47	-126.64	-804.23	7,469.54	318.40	97.50	220.90	1.441 Level 3		
14,600.00	7,176.71	14,768.43	7,366.45	127.21	127.12	-127.23	-805.16	7,569.39	313.91	91.15	222.76	1.409 Level 3		
14,700.00	7,176.96	14,868.34	7,366.59	128.86	128.78	-127.62	-806.09	7,669.30	310.70	85.84	224.86	1.382 Level 3		
14,800.00	7,177.21	14,968.34	7,366.72	130.51	130.44	-127.68	-807.02	7,769.29	310.03	82.46	227.56	1.362 Level 3		
14,900.00	7,177.47	15,068.34	7,366.85	132.17	132.10	-127.68	-807.95	7,869.28	309.82	79.44	230.38	1.345 Level 3		
15,000.00	7,177.72	15,168.34	7,366.99	133.82	133.75	-127.68	-808.88	7,969.28	309.61	76.41	233.20	1.328 Level 3		
15,100.00	7,177.97	15,268.34	7,367.12	135.48	135.41	-127.69	-809.81	8,069.28	309.40	73.39	236.02	1.311 Level 3		
15,200.00	7,178.23	15,368.34	7,367.26	137.14	137.07	-127.69	-810.74	8,169.27	309.19	70.36	238.84	1.295 Level 3		
15,300.00	7,178.48	15,468.34	7,367.39	138.80	138.73	-127.69	-811.67	8,269.27	308.99	67.33	241.66	1.279 Level 3		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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 8C-27-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
15,400.00	7,178.73	15,568.34	7,367.52	140.46	140.39	-127.69	-812.60	8,369.26	308.78	64.30	244.48	1.263	Level 3
15,500.00	7,178.99	15,668.34	7,367.66	142.12	142.05	-127.69	-813.53	8,469.26	308.57	61.27	247.30	1.248	Level 2
15,600.00	7,179.24	15,768.34	7,367.79	143.78	143.71	-127.69	-814.46	8,569.25	308.36	58.24	250.12	1.233	Level 2
15,700.00	7,179.49	15,868.34	7,367.93	145.43	145.37	-127.70	-815.38	8,669.25	308.16	55.21	252.94	1.218	Level 2
15,800.00	7,179.75	15,968.34	7,368.06	147.09	147.03	-127.70	-816.31	8,769.24	307.95	52.18	255.77	1.204	Level 2
15,900.00	7,180.00	16,068.34	7,368.19	148.75	148.69	-127.70	-817.24	8,869.24	307.74	49.15	258.59	1.190	Level 2
16,000.00	7,180.25	16,168.34	7,368.33	150.42	150.36	-127.70	-818.17	8,969.23	307.53	46.12	261.41	1.176	Level 2
16,100.00	7,180.51	16,268.34	7,368.46	152.08	152.02	-127.70	-819.10	9,069.23	307.33	43.09	264.24	1.163	Level 2
16,200.00	7,180.76	16,368.34	7,368.59	153.74	153.68	-127.71	-820.03	9,169.22	307.12	40.06	267.06	1.150	Level 2
16,300.00	7,181.01	16,468.34	7,368.73	155.40	155.34	-127.71	-820.96	9,269.22	306.91	37.02	269.89	1.137	Level 2
16,400.00	7,181.27	16,568.34	7,368.86	157.06	157.00	-127.71	-821.89	9,369.22	306.70	33.99	272.71	1.125	Level 2
16,500.00	7,181.52	16,668.34	7,369.00	158.72	158.67	-127.71	-822.82	9,469.21	306.49	30.96	275.54	1.112	Level 2
16,600.00	7,181.77	16,768.34	7,369.13	160.38	160.33	-127.71	-823.75	9,569.21	306.29	27.92	278.36	1.100	Level 2
16,700.00	7,182.03	16,868.33	7,369.26	162.05	161.99	-127.71	-824.68	9,669.20	306.08	24.89	281.19	1.089	Level 2
16,800.00	7,182.28	16,968.33	7,369.40	163.71	163.65	-127.72	-825.61	9,769.20	305.87	21.86	284.02	1.077	Level 2
16,900.00	7,182.53	17,068.33	7,369.53	165.37	165.32	-127.72	-826.54	9,869.19	305.66	18.82	286.84	1.066	Level 2
17,000.00	7,182.79	17,168.33	7,369.66	167.03	166.98	-127.72	-827.47	9,969.19	305.46	15.79	289.67	1.054	Level 2
17,100.00	7,183.04	17,268.33	7,369.80	168.70	168.65	-127.72	-828.40	10,069.18	305.25	12.75	292.50	1.044	Level 2
17,200.00	7,183.29	17,368.33	7,369.93	170.36	170.31	-127.72	-829.33	10,169.18	305.04	9.72	295.33	1.033	Level 2
17,300.00	7,183.55	17,468.33	7,370.07	172.02	171.97	-127.72	-830.26	10,269.17	304.83	6.68	298.15	1.022	Level 2
17,400.00	7,183.80	17,568.33	7,370.20	173.69	173.64	-127.73	-831.19	10,369.17	304.63	3.64	300.98	1.012	Level 2
17,500.00	7,184.05	17,668.33	7,370.33	175.35	175.30	-127.73	-832.12	10,469.16	304.42	0.61	303.81	1.002	Level 2
17,600.00	7,184.31	17,768.33	7,370.47	177.01	176.97	-127.73	-833.05	10,569.16	304.21	-2.43	306.64	0.992	Level 1
17,700.00	7,184.56	17,868.33	7,370.60	178.68	178.63	-127.73	-833.98	10,669.15	304.00	-5.46	309.47	0.982	Level 1
17,800.00	7,184.81	17,968.33	7,370.74	180.34	180.30	-127.73	-834.91	10,769.15	303.80	-8.50	312.30	0.973	Level 1
17,900.00	7,185.07	18,068.33	7,370.87	182.01	181.96	-127.74	-835.84	10,869.15	303.59	-11.54	315.12	0.963	Level 1
18,000.00	7,185.32	18,168.33	7,371.00	183.67	183.63	-127.74	-836.77	10,969.14	303.38	-14.57	317.95	0.954	Level 1
18,100.00	7,185.57	18,268.33	7,371.14	185.33	185.29	-127.74	-837.70	11,069.14	303.17	-17.61	320.78	0.945	Level 1
18,200.00	7,185.83	18,368.33	7,371.27	187.00	186.96	-127.74	-838.63	11,169.13	302.96	-20.65	323.61	0.936	Level 1
18,300.00	7,186.08	18,468.33	7,371.40	188.66	188.62	-127.74	-839.56	11,269.13	302.76	-23.69	326.44	0.927	Level 1
18,400.00	7,186.33	18,568.33	7,371.54	190.33	190.29	-127.74	-840.49	11,369.12	302.55	-26.72	329.27	0.919	Level 1
18,500.00	7,186.59	18,668.33	7,371.67	191.99	191.95	-127.75	-841.42	11,469.12	302.34	-29.76	332.10	0.910	Level 1
18,600.00	7,186.84	18,768.33	7,371.81	193.66	193.62	-127.75	-842.35	11,569.11	302.13	-32.80	334.93	0.902	Level 1
18,700.00	7,187.09	18,868.33	7,371.94	195.33	195.29	-127.75	-843.28	11,669.11	301.93	-35.84	337.76	0.894	Level 1
18,800.00	7,187.35	18,968.33	7,372.07	196.99	196.95	-127.75	-844.21	11,769.10	301.72	-38.88	340.59	0.886	Level 1
18,900.00	7,187.60	19,068.33	7,372.21	198.66	198.62	-127.75	-845.14	11,869.10	301.51	-41.91	343.42	0.878	Level 1
19,000.00	7,187.85	19,168.33	7,372.34	200.32	200.28	-127.76	-846.07	11,969.09	301.30	-44.95	346.26	0.870	Level 1
19,100.00	7,188.11	19,268.33	7,372.48	201.99	201.95	-127.76	-847.00	12,069.09	301.10	-47.99	349.09	0.863	Level 1
19,200.00	7,188.36	19,368.33	7,372.61	203.65	203.62	-127.76	-847.93	12,169.09	300.89	-51.03	351.92	0.855	Level 1
19,300.00	7,188.61	19,468.33	7,372.74	205.32	205.28	-127.76	-848.85	12,269.08	300.68	-54.07	354.75	0.848	Level 1
19,400.00	7,188.87	19,568.33	7,372.88	206.99	206.95	-127.76	-849.78	12,369.08	300.47	-57.11	357.58	0.840	Level 1
19,500.00	7,189.12	19,668.33	7,373.01	208.65	208.62	-127.77	-850.71	12,469.07	300.26	-60.15	360.41	0.833	Level 1
19,600.00	7,189.37	19,768.33	7,373.14	210.32	210.28	-127.77	-851.64	12,569.07	300.06	-63.19	363.24	0.826	Level 1
19,700.00	7,189.63	19,868.33	7,373.28	211.99	211.95	-127.77	-852.57	12,669.06	299.85	-66.22	366.07	0.819	Level 1
19,800.00	7,189.88	19,968.33	7,373.41	213.65	213.62	-127.77	-853.50	12,769.06	299.64	-69.26	368.91	0.812	Level 1
19,900.00	7,190.13	20,068.33	7,373.55	215.32	215.29	-127.77	-854.43	12,869.05	299.43	-72.30	371.74	0.806	Level 1
20,000.00	7,190.39	20,168.33	7,373.68	216.99	216.95	-127.77	-855.36	12,969.05	299.23	-75.34	374.57	0.799	Level 1
20,100.00	7,190.64	20,268.33	7,373.81	218.65	218.62	-127.78	-856.29	13,069.04	299.02	-78.38	377.40	0.792	Level 1
20,200.00	7,190.89	20,368.33	7,373.95	220.32	220.29	-127.78	-857.22	13,169.04	298.81	-81.42	380.23	0.786	Level 1
20,242.80	7,191.00	20,411.12	7,374.00	221.04	221.00	-127.78	-857.62	13,211.83	298.72	-82.72	381.44	0.783	Level 1, ES, SF

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Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-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	-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		
300.00	299.98	299.31	299.29	3.34	3.34	-3.70	-21.75	-0.09	20.02	12.37	7.65	2.617		
400.00	399.84	398.61	398.46	3.40	3.40	-3.85	-26.90	-0.37	19.99	12.24	7.75	2.579		
500.00	499.45	497.92	497.39	3.49	3.49	-4.10	-35.49	-0.84	19.93	12.04	7.89	2.526		
600.00	598.70	597.24	595.96	3.60	3.60	-4.45	-47.49	-1.49	19.86	11.79	8.07	2.461		
605.09	603.74	602.29	600.97	3.61	3.60	-4.47	-48.19	-1.52	19.85	11.78	8.08	2.458 CC		
700.00	697.53	696.55	694.06	3.75	3.75	-4.80	-62.89	-2.32	20.19	11.90	8.28	2.437		
800.00	796.30	803.77	792.06	3.93	3.95	-4.67	-81.12	-3.31	22.88	14.31	8.57	2.668		
900.00	895.07	903.81	890.28	4.14	4.17	-4.53	-99.65	-4.31	25.83	16.92	8.91	2.899		
1,000.00	993.83	1,003.85	988.50	4.37	4.42	-4.42	-118.18	-5.32	28.79	19.51	9.28	3.103		
1,100.00	1,092.60	1,103.90	1,086.72	4.61	4.69	-4.33	-136.72	-6.32	31.74	22.06	9.68	3.280		
1,200.00	1,191.37	1,196.06	1,184.94	4.88	4.96	-4.26	-155.25	-7.32	34.69	24.61	10.08	3.441		
1,300.00	1,290.13	1,303.99	1,283.16	5.15	5.28	-4.20	-173.78	-8.33	37.65	27.10	10.55	3.569		
1,400.00	1,388.90	1,404.03	1,381.37	5.44	5.60	-4.14	-192.31	-9.33	40.60	29.59	11.01	3.687		
1,500.00	1,487.66	1,504.07	1,479.59	5.74	5.93	-4.10	-210.84	-10.33	43.55	32.06	11.49	3.789		
1,600.00	1,586.43	1,595.88	1,577.81	6.04	6.23	-4.06	-229.37	-11.34	46.51	34.54	11.97	3.885		
1,700.00	1,685.20	1,704.16	1,676.03	6.36	6.60	-4.02	-247.90	-12.34	49.46	36.96	12.50	3.957		
1,800.00	1,783.96	1,804.20	1,774.25	6.68	6.95	-3.99	-266.44	-13.34	52.41	39.40	13.02	4.027		
1,900.00	1,882.73	1,895.75	1,872.47	6.85	7.12	-3.96	-284.97	-14.35	55.37	42.48	12.89	4.295		
2,000.00	1,981.49	1,995.71	1,970.68	6.89	7.17	-3.93	-303.50	-15.35	58.32	45.39	12.93	4.511		
2,100.00	2,080.26	2,104.33	2,068.90	6.94	7.24	-3.91	-322.03	-16.36	61.28	48.28	12.99	4.716		
2,200.00	2,179.03	2,204.38	2,167.12	7.01	7.32	-3.89	-340.56	-17.36	64.23	51.14	13.09	4.907		
2,300.00	2,277.79	2,295.58	2,265.34	7.09	7.41	-3.87	-359.09	-18.36	67.18	53.97	13.21	5.086		
2,400.00	2,376.56	2,404.47	2,363.56	7.19	7.53	-3.85	-377.62	-19.37	70.14	56.77	13.37	5.245		
2,500.00	2,475.32	2,495.49	2,461.78	7.31	7.65	-3.84	-396.16	-20.37	73.09	59.54	13.55	5.396		
2,600.00	2,574.09	2,604.55	2,560.00	7.44	7.80	-3.82	-414.69	-21.37	76.04	62.28	13.77	5.524		
2,700.00	2,672.86	2,704.60	2,658.21	7.58	7.96	-3.81	-433.22	-22.38	79.00	64.99	14.00	5.641		
2,800.00	2,771.62	2,804.64	2,756.43	7.73	8.13	-3.80	-451.75	-23.38	81.95	67.69	14.26	5.745		
2,900.00	2,870.39	2,904.68	2,854.65	7.90	8.31	-3.79	-470.28	-24.38	84.90	70.35	14.55	5.836		
3,000.00	2,969.16	3,004.73	2,952.87	8.07	8.50	-3.77	-488.81	-25.39	87.86	73.00	14.86	5.914		
3,100.00	3,067.92	3,104.77	3,051.09	8.26	8.71	-3.76	-507.34	-26.39	90.81	75.63	15.18	5.981		
3,200.00	3,166.69	3,204.81	3,149.31	8.46	8.92	-3.76	-525.88	-27.40	93.77	78.24	15.53	6.038		
3,300.00	3,265.45	3,295.14	3,247.52	8.66	9.12	-3.75	-544.41	-28.40	96.72	80.84	15.88	6.092		
3,400.00	3,364.22	3,404.90	3,345.74	8.88	9.38	-3.74	-562.94	-29.40	99.67	83.40	16.27	6.124		
3,500.00	3,462.99	3,504.95	3,443.96	9.10	9.62	-3.73	-581.47	-30.41	102.63	85.96	16.67	6.156		
3,600.00	3,561.75	3,604.99	3,542.18	9.32	9.86	-3.72	-600.00	-31.41	105.58	88.50	17.08	6.181		
3,700.00	3,660.52	3,694.97	3,640.40	9.56	10.09	-3.71	-618.53	-32.41	108.53	91.05	17.48	6.208		
3,800.00	3,759.28	3,794.92	3,738.62	9.80	10.35	-3.71	-637.06	-33.42	111.49	93.57	17.92	6.222		
3,900.00	3,858.05	3,905.12	3,836.83	10.05	10.64	-3.70	-655.60	-34.42	114.44	96.05	18.39	6.223		
4,000.00	3,956.82	4,005.16	3,935.05	10.30	10.92	-3.70	-674.13	-35.42	117.39	98.55	18.85	6.229		
4,100.00	4,055.58	4,105.21	4,033.27	10.56	11.19	-3.69	-692.66	-36.43	120.35	101.03	19.31	6.231		
4,200.00	4,154.35	4,205.25	4,131.49	10.82	11.47	-3.68	-711.19	-37.43	123.30	103.51	19.79	6.230		
4,300.00	4,253.11	4,305.29	4,229.71	11.08	11.76	-3.68	-729.72	-38.44	126.26	105.98	20.28	6.227		
4,400.00	4,351.88	4,394.66	4,327.93	11.35	12.02	-3.67	-748.25	-39.44	129.21	108.47	20.74	6.229		
4,500.00	4,450.65	4,505.38	4,426.15	11.63	12.34	-3.67	-766.78	-40.44	132.16	110.89	21.27	6.214		
4,600.00	4,549.41	4,605.43	4,524.36	11.90	12.64	-3.66	-785.32	-41.45	135.12	113.34	21.78	6.205		
4,700.00	4,648.18	4,705.47	4,622.58	12.18	12.94	-3.66	-803.85	-42.45	138.07	115.78	22.29	6.194		
4,800.00	4,746.95	4,794.49	4,720.80	12.47	13.21	-3.66	-822.38	-43.45	141.02	118.24	22.78	6.191		
4,900.00	4,845.71	4,894.44	4,819.02	12.75	13.51	-3.65	-840.91	-44.46	143.98	120.67	23.30	6.178		
5,000.00	4,944.48	5,005.60	4,917.24	13.04	13.86	-3.65	-859.44	-45.46	146.93	123.07	23.86	6.157		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-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		
5,100.00	5,043.24	5,094.36	5,015.46	13.33	14.13	-3.64	-877.97	-46.46	149.89	125.52	24.37	6.151		
5,200.00	5,142.01	5,194.31	5,113.67	13.62	14.45	-3.64	-896.50	-47.47	152.84	127.93	24.90	6.137		
5,300.00	5,240.78	5,305.73	5,211.89	13.92	14.80	-3.64	-915.04	-48.47	155.79	130.31	25.48	6.115		
5,400.00	5,339.54	5,405.77	5,310.11	14.22	15.12	-3.63	-933.57	-49.48	158.75	132.72	26.03	6.100		
5,500.00	5,438.31	5,505.82	5,408.33	14.52	15.43	-3.63	-952.10	-50.48	161.70	135.12	26.58	6.085		
5,600.00	5,537.07	5,605.86	5,506.55	14.82	15.76	-3.63	-970.63	-51.48	164.65	137.52	27.13	6.069		
5,700.00	5,635.84	5,694.10	5,604.77	15.12	16.04	-3.62	-989.16	-52.49	167.61	139.96	27.65	6.061		
5,800.00	5,734.61	5,805.95	5,702.98	15.42	16.40	-3.62	-1,007.69	-53.49	170.56	142.32	28.25	6.038		
5,900.00	5,833.37	5,894.01	5,801.20	15.73	16.69	-3.62	-1,026.22	-54.49	173.52	144.74	28.77	6.030		
6,000.00	5,932.14	6,006.04	5,899.42	16.04	17.06	-3.62	-1,044.76	-55.50	176.47	147.09	29.37	6.008		
6,100.00	6,030.90	6,106.08	5,997.64	16.34	17.39	-3.61	-1,063.29	-56.50	179.42	149.48	29.94	5.992		
6,200.00	6,129.67	6,206.12	6,095.86	16.65	17.72	-3.61	-1,081.82	-57.50	182.38	151.86	30.51	5.977		
6,300.00	6,228.44	6,306.17	6,194.08	16.96	18.05	-3.61	-1,100.35	-58.51	185.33	154.25	31.08	5.962		
6,400.00	6,327.20	6,406.21	6,292.29	17.28	18.38	-3.61	-1,118.88	-59.51	188.28	156.63	31.66	5.947		
6,500.00	6,425.97	6,506.25	6,390.51	17.59	18.71	-3.60	-1,137.41	-60.52	191.24	159.00	32.23	5.933		
6,600.00	6,524.73	6,606.30	6,488.73	17.90	19.05	-2.94	-1,155.94	-61.52	194.19	161.38	32.81	5.918		
6,700.00	6,623.16	6,693.23	6,586.53	18.15	19.34	45.29	-1,174.40	-62.52	197.32	164.03	33.29	5.927		
6,800.00	6,719.30	6,794.75	6,686.05	18.41	19.63	69.00	-1,193.05	-56.78	201.56	167.74	33.82	5.959		
6,900.00	6,810.79	6,899.40	6,786.42	18.65	19.91	81.48	-1,211.57	-34.17	206.72	172.35	34.38	6.013		
7,000.00	6,895.36	7,007.15	6,884.57	18.89	20.18	89.62	-1,229.35	6.22	212.43	177.52	34.91	6.086		
7,100.00	6,970.94	7,117.99	6,977.13	19.11	20.45	95.52	-1,245.76	64.68	218.21	182.86	35.35	6.173		
7,200.00	7,035.67	7,231.80	7,060.39	19.33	20.71	99.95	-1,260.10	140.71	223.54	187.86	35.68	6.265		
7,300.00	7,087.95	7,348.26	7,130.49	19.55	20.96	103.25	-1,271.68	232.78	227.95	191.98	35.97	6.338		
7,400.00	7,126.50	7,466.88	7,183.79	19.81	21.23	105.58	-1,279.85	338.24	230.98	194.67	36.31	6.361		
7,500.00	7,150.36	7,586.97	7,217.28	20.16	21.56	107.02	-1,284.12	453.30	232.30	195.47	36.83	6.307		
7,600.00	7,158.95	7,707.74	7,229.00	20.66	22.05	107.59	-1,284.20	573.32	231.72	194.09	37.63	6.159		
7,700.00	7,159.22	7,807.88	7,229.28	21.32	22.60	107.71	-1,282.47	673.44	230.36	191.35	39.01	5.905		
7,800.00	7,159.47	7,907.87	7,229.56	22.13	23.31	107.82	-1,280.75	773.42	229.00	188.40	40.60	5.640		
7,900.00	7,159.72	8,007.86	7,229.83	23.06	24.16	107.94	-1,279.02	873.39	227.65	185.27	42.38	5.372		
8,000.00	7,159.98	8,107.85	7,230.11	24.08	25.11	108.05	-1,277.30	973.37	226.30	181.98	44.32	5.106		
8,100.00	7,160.23	8,207.84	7,230.39	25.19	26.14	108.17	-1,275.57	1,073.34	224.94	178.55	46.40	4.848		
8,200.00	7,160.48	8,307.83	7,230.67	26.36	27.25	108.29	-1,273.85	1,173.32	223.59	175.00	48.60	4.601		
8,300.00	7,160.74	8,407.81	7,230.94	27.58	28.42	108.42	-1,272.12	1,273.29	222.24	171.34	50.90	4.366		
8,400.00	7,160.99	8,507.80	7,231.22	28.85	29.65	108.54	-1,270.40	1,373.26	220.89	167.60	53.30	4.144		
8,500.00	7,161.24	8,607.79	7,231.50	30.16	30.91	108.66	-1,268.67	1,473.24	219.55	163.77	55.77	3.936		
8,600.00	7,161.50	8,707.78	7,231.78	31.50	32.22	108.79	-1,266.95	1,573.21	218.20	159.89	58.31	3.742		
8,700.00	7,161.75	8,807.77	7,232.05	32.88	33.56	108.92	-1,265.22	1,673.19	216.85	155.94	60.91	3.560		
8,800.00	7,162.00	8,907.76	7,232.33	34.28	34.92	109.05	-1,263.50	1,773.16	215.51	151.95	63.56	3.391		
8,900.00	7,162.25	9,007.75	7,232.61	35.71	36.32	109.18	-1,261.78	1,873.14	214.17	147.91	66.25	3.233		
9,000.00	7,162.51	9,107.74	7,232.89	37.15	37.73	109.31	-1,260.05	1,973.11	212.82	143.84	68.98	3.085		
9,100.00	7,162.76	9,207.15	7,233.16	38.62	39.16	109.44	-1,258.35	2,072.50	211.50	139.72	71.77	2.947		
9,134.41	7,162.85	9,239.31	7,233.25	39.13	39.63	109.46	-1,258.07	2,104.67	211.31	138.48	72.84	2.901		
9,200.00	7,163.01	9,302.05	7,233.43	40.10	40.55	109.41	-1,258.48	2,167.40	211.90	137.06	74.84	2.831		
9,300.00	7,163.27	9,402.04	7,233.70	41.59	42.03	109.29	-1,259.61	2,267.38	213.25	135.48	77.77	2.742		
9,400.00	7,163.52	9,502.03	7,233.98	43.10	43.52	109.17	-1,260.73	2,367.36	214.60	133.87	80.73	2.658		
9,500.00	7,163.77	9,602.02	7,234.26	44.62	45.03	109.05	-1,261.86	2,467.35	215.95	132.23	83.72	2.580		
9,600.00	7,164.03	9,702.01	7,234.53	46.15	46.55	108.94	-1,262.99	2,567.33	217.30	130.57	86.72	2.506		
9,700.00	7,164.28	9,802.00	7,234.81	47.69	48.08	108.82	-1,264.11	2,667.31	218.65	128.90	89.75	2.436		
9,800.00	7,164.53	9,901.99	7,235.09	49.24	49.62	108.71	-1,265.24	2,767.30	220.00	127.20	92.80	2.371		
9,900.00	7,164.79	10,001.98	7,235.36	50.79	51.16	108.60	-1,266.36	2,867.28	221.35	125.49	95.86	2.309		
10,000.00	7,165.04	10,101.97	7,235.64	52.36	52.72	108.49	-1,267.49	2,967.26	222.71	123.76	98.95	2.251		
10,100.00	7,165.29	10,201.96	7,235.92	53.93	54.28	108.38	-1,268.61	3,067.24	224.06	122.02	102.04	2.196		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-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		
10,200.00	7,165.54	10,301.95	7,236.19	55.50	55.85	108.27	-1,269.74	3,167.23	225.42	120.27	105.15	2.144		
10,300.00	7,165.80	10,401.94	7,236.47	57.08	57.42	108.16	-1,270.87	3,267.21	226.77	118.51	108.27	2.095		
10,400.00	7,166.05	10,501.93	7,236.75	58.67	59.00	108.06	-1,271.99	3,367.19	228.13	116.73	111.40	2.048		
10,500.00	7,166.30	10,601.92	7,237.03	60.26	60.58	107.95	-1,273.12	3,467.18	229.49	114.95	114.54	2.004		
10,600.00	7,166.56	10,701.91	7,237.30	61.85	62.17	107.85	-1,274.24	3,567.16	230.85	113.15	117.70	1.961		
10,700.00	7,166.81	10,801.90	7,237.58	63.45	63.77	107.75	-1,275.37	3,667.14	232.21	111.35	120.86	1.921		
10,800.00	7,167.06	10,901.89	7,237.86	65.06	65.36	107.65	-1,276.50	3,767.13	233.57	109.54	124.03	1.883		
10,900.00	7,167.32	11,001.87	7,238.13	66.66	66.96	107.55	-1,277.62	3,867.11	234.93	107.72	127.20	1.847		
11,000.00	7,167.57	11,101.86	7,238.41	68.27	68.57	107.45	-1,278.75	3,967.09	236.29	105.90	130.39	1.812		
11,100.00	7,167.82	11,201.85	7,238.69	69.88	70.18	107.35	-1,279.87	4,067.08	237.65	104.07	133.58	1.779		
11,200.00	7,168.08	11,301.84	7,238.96	71.50	71.79	107.26	-1,281.00	4,167.06	239.02	102.24	136.78	1.747		
11,300.00	7,168.33	11,401.83	7,239.24	73.11	73.40	107.16	-1,282.12	4,267.04	240.38	100.40	139.99	1.717		
11,400.00	7,168.58	11,501.82	7,239.52	74.73	75.01	107.07	-1,283.25	4,367.03	241.75	98.55	143.20	1.688		
11,500.00	7,168.84	11,601.81	7,239.79	76.35	76.63	106.97	-1,284.38	4,467.01	243.11	96.70	146.41	1.660		
11,600.00	7,169.09	11,701.80	7,240.07	77.98	78.25	106.88	-1,285.50	4,566.99	244.48	94.84	149.63	1.634		
11,700.00	7,169.34	11,801.79	7,240.35	79.60	79.88	106.79	-1,286.63	4,666.98	245.84	92.98	152.86	1.608		
11,800.00	7,169.59	11,901.78	7,240.62	81.23	81.50	106.70	-1,287.75	4,766.96	247.21	91.12	156.09	1.584		
11,900.00	7,169.85	12,001.78	7,240.90	82.86	83.13	106.72	-1,288.88	4,866.95	246.98	87.73	159.25	1.551		
12,000.00	7,170.10	12,101.73	7,241.18	84.50	84.75	106.93	-1,290.01	4,966.90	244.14	81.86	162.29	1.504		
12,100.00	7,170.36	12,201.68	7,241.45	86.14	86.38	107.15	-1,291.13	5,066.84	241.12	75.81	165.31	1.459 Level 3		
12,200.00	7,170.61	12,301.63	7,241.73	87.78	88.02	107.38	-1,292.26	5,166.78	238.11	69.78	168.32	1.415 Level 3		
12,300.00	7,170.87	12,401.58	7,242.01	89.43	89.65	107.62	-1,293.38	5,266.73	235.09	63.77	171.33	1.372 Level 3		
12,400.00	7,171.12	12,501.53	7,242.28	91.07	91.28	107.86	-1,294.51	5,366.67	232.09	57.76	174.32	1.331 Level 3		
12,500.00	7,171.38	12,601.48	7,242.56	92.72	92.92	108.11	-1,295.63	5,466.61	229.08	51.78	177.31	1.292 Level 3		
12,600.00	7,171.63	12,701.43	7,242.84	94.36	94.55	108.36	-1,296.76	5,566.55	226.08	45.80	180.28	1.254 Level 3		
12,700.00	7,171.89	12,801.38	7,243.11	96.01	96.19	108.62	-1,297.88	5,666.50	223.09	39.85	183.24	1.217 Level 2		
12,800.00	7,172.14	12,901.33	7,243.39	97.66	97.83	108.89	-1,299.01	5,766.44	220.10	33.91	186.19	1.182 Level 2		
12,900.00	7,172.40	13,001.28	7,243.67	99.31	99.47	109.17	-1,300.13	5,866.38	217.11	27.99	189.12	1.148 Level 2		
13,000.00	7,172.65	13,101.23	7,243.94	100.96	101.11	109.45	-1,301.26	5,966.33	214.13	22.09	192.04	1.115 Level 2		
13,100.00	7,172.91	13,201.18	7,244.22	102.61	102.75	109.74	-1,302.39	6,066.27	211.16	16.21	194.94	1.083 Level 2		
13,200.00	7,173.16	13,301.13	7,244.50	104.26	104.40	110.04	-1,303.51	6,166.21	208.19	10.36	197.83	1.052 Level 2		
13,294.24	7,173.40	13,404.64	7,244.76	105.82	106.10	110.19	-1,304.57	6,260.43	206.80	5.98	200.82	1.030 Level 2		
13,300.00	7,173.42	13,401.12	7,244.78	105.91	106.04	110.19	-1,304.64	6,266.19	206.75	5.90	200.85	1.029 Level 2		
13,400.00	7,173.67	13,501.09	7,245.05	107.55	107.69	110.03	-1,305.76	6,366.16	208.59	4.41	204.18	1.022 Level 2		
13,500.00	7,173.92	13,600.96	7,245.33	109.19	109.33	109.58	-1,306.89	6,466.02	213.43	5.63	207.80	1.027 Level 2		
13,600.00	7,174.18	13,700.79	7,245.60	110.82	110.97	109.09	-1,308.01	6,565.85	218.83	7.39	211.44	1.035 Level 2		
13,700.00	7,174.43	13,800.63	7,245.88	112.46	112.62	108.62	-1,309.14	6,665.68	224.25	9.18	215.07	1.043 Level 2		
13,800.00	7,174.68	13,900.47	7,246.16	114.09	114.27	108.17	-1,310.26	6,765.51	229.69	11.01	218.69	1.050 Level 2		
13,900.00	7,174.94	14,000.30	7,246.43	115.73	115.91	107.74	-1,311.38	6,865.34	235.14	12.86	222.28	1.058 Level 2		
14,000.00	7,175.19	14,100.14	7,246.71	117.37	117.56	107.33	-1,312.51	6,965.17	240.61	14.74	225.86	1.065 Level 2		
14,100.00	7,175.44	14,200.03	7,246.99	119.01	119.21	106.94	-1,313.63	7,065.00	246.08	16.65	229.43	1.073 Level 2		
14,200.00	7,175.70	14,300.19	7,247.26	120.65	120.86	106.56	-1,314.76	7,164.83	251.57	18.58	232.99	1.080 Level 2		
14,300.00	7,175.95	14,400.35	7,247.54	122.29	122.52	106.20	-1,315.88	7,264.65	257.06	20.52	236.54	1.087 Level 2		
14,400.00	7,176.20	14,500.52	7,247.82	123.93	124.17	105.86	-1,317.00	7,364.48	262.57	22.49	240.07	1.094 Level 2		
14,500.00	7,176.46	14,600.68	7,248.09	125.57	125.83	105.53	-1,318.13	7,464.31	268.08	24.48	243.60	1.100 Level 2		
14,600.00	7,176.71	14,700.84	7,248.37	127.21	127.48	105.22	-1,319.25	7,564.14	273.60	26.49	247.12	1.107 Level 2		
14,700.00	7,176.96	14,800.93	7,248.65	128.86	129.14	104.97	-1,320.38	7,664.05	277.61	27.06	250.55	1.108 Level 2		
14,800.00	7,177.21	14,900.94	7,248.92	130.51	130.79	104.92	-1,321.50	7,764.03	278.54	24.71	253.83	1.097 Level 2		
14,900.00	7,177.47	15,000.94	7,249.20	132.17	132.45	104.90	-1,322.63	7,864.02	278.90	21.81	257.09	1.085 Level 2		
15,000.00	7,177.72	15,100.94	7,249.48	133.82	134.10	104.89	-1,323.76	7,964.02	279.26	18.91	260.35	1.073 Level 2		
15,100.00	7,177.97	15,200.94	7,249.75	135.48	135.76	104.88	-1,324.88	8,064.01	279.62	16.02	263.60	1.061 Level 2		
15,200.00	7,178.23	15,300.94	7,250.03	137.14	137.42	104.86	-1,326.01	8,164.00	279.98	13.12	266.86	1.049 Level 2		

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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-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
15,300.00	7,178.48	15,400.95	7,250.31	138.80	139.07	104.85	-1,327.13	8,264.00	280.34	10.22	270.12	1.038	Level 2
15,400.00	7,178.73	15,500.95	7,250.58	140.46	140.73	104.83	-1,328.26	8,363.99	280.70	7.31	273.39	1.027	Level 2
15,500.00	7,178.99	15,599.05	7,250.86	142.12	142.36	104.82	-1,329.38	8,463.98	281.06	4.44	276.62	1.016	Level 2
15,600.00	7,179.24	15,700.95	7,251.14	143.78	144.05	104.80	-1,330.51	8,563.97	281.42	1.51	279.91	1.005	Level 2
15,700.00	7,179.49	15,800.95	7,251.41	145.43	145.70	104.79	-1,331.64	8,663.97	281.78	-1.39	283.17	0.995	Level 1
15,800.00	7,179.75	15,900.95	7,251.69	147.09	147.36	104.77	-1,332.76	8,763.96	282.14	-4.30	286.44	0.985	Level 1
15,900.00	7,180.00	16,000.95	7,251.97	148.75	149.02	104.76	-1,333.89	8,863.95	282.50	-7.20	289.70	0.975	Level 1
16,000.00	7,180.25	16,099.05	7,252.24	150.42	150.65	104.75	-1,335.01	8,963.94	282.86	-10.08	292.94	0.966	Level 1
16,100.00	7,180.51	16,200.95	7,252.52	152.08	152.34	104.73	-1,336.14	9,063.94	283.22	-13.02	296.24	0.956	Level 1
16,200.00	7,180.76	16,300.95	7,252.80	153.74	154.00	104.72	-1,337.27	9,163.93	283.58	-15.92	299.51	0.947	Level 1
16,300.00	7,181.01	16,400.95	7,253.07	155.40	155.66	104.70	-1,338.39	9,263.92	283.94	-18.83	302.77	0.938	Level 1
16,400.00	7,181.27	16,500.95	7,253.35	157.06	157.32	104.69	-1,339.52	9,363.91	284.30	-21.74	306.04	0.929	Level 1
16,500.00	7,181.52	16,600.95	7,253.63	158.72	158.98	104.67	-1,340.64	9,463.91	284.66	-24.65	309.31	0.920	Level 1
16,600.00	7,181.77	16,699.05	7,253.91	160.38	160.61	104.66	-1,341.77	9,563.90	285.02	-27.53	312.55	0.912	Level 1
16,700.00	7,182.03	16,800.95	7,254.18	162.05	162.30	104.65	-1,342.90	9,663.89	285.38	-30.47	315.85	0.904	Level 1
16,800.00	7,182.28	16,900.96	7,254.46	163.71	163.96	104.63	-1,344.02	9,763.88	285.74	-33.38	319.13	0.895	Level 1
16,900.00	7,182.53	17,000.96	7,254.74	165.37	165.62	104.62	-1,345.15	9,863.88	286.11	-36.29	322.40	0.887	Level 1
17,000.00	7,182.79	17,099.04	7,255.01	167.03	167.25	104.60	-1,346.27	9,963.87	286.47	-39.17	325.64	0.880	Level 1
17,100.00	7,183.04	17,199.04	7,255.29	168.70	168.92	104.59	-1,347.40	10,063.86	286.83	-42.09	328.91	0.872	Level 1
17,200.00	7,183.29	17,305.09	7,255.58	170.36	170.67	104.66	-1,346.97	10,169.90	285.67	-46.20	331.87	0.861	Level 1
17,300.00	7,183.55	17,405.07	7,255.86	172.02	172.33	104.76	-1,345.91	10,269.88	283.92	-51.09	335.02	0.847	Level 1
17,400.00	7,183.80	17,505.06	7,256.14	173.69	173.99	104.85	-1,344.85	10,369.86	282.17	-55.98	338.16	0.834	Level 1
17,500.00	7,184.05	17,605.04	7,256.41	175.35	175.65	104.95	-1,343.80	10,469.84	280.42	-60.87	341.29	0.822	Level 1
17,600.00	7,184.31	17,705.02	7,256.69	177.01	177.30	105.05	-1,342.74	10,569.81	278.68	-65.75	344.42	0.809	Level 1
17,700.00	7,184.56	17,805.01	7,256.97	178.68	178.96	105.16	-1,341.68	10,669.79	276.93	-70.62	347.55	0.797	Level 1
17,800.00	7,184.81	17,904.99	7,257.24	180.34	180.62	105.26	-1,340.63	10,769.77	275.18	-75.49	350.67	0.785	Level 1
17,900.00	7,185.07	18,004.97	7,257.52	182.01	182.28	105.37	-1,339.57	10,869.75	273.44	-80.35	353.79	0.773	Level 1
18,000.00	7,185.32	18,104.96	7,257.80	183.67	183.94	105.47	-1,338.51	10,969.72	271.69	-85.21	356.91	0.761	Level 1
18,100.00	7,185.57	18,204.94	7,258.07	185.33	185.60	105.58	-1,337.46	11,069.70	269.95	-90.07	360.02	0.750	Level 1
18,200.00	7,185.83	18,304.92	7,258.35	187.00	187.26	105.69	-1,336.40	11,169.68	268.21	-94.91	363.12	0.739	Level 1
18,300.00	7,186.08	18,404.91	7,258.63	188.66	188.92	105.80	-1,335.35	11,269.66	266.47	-99.76	366.22	0.728	Level 1
18,400.00	7,186.33	18,504.89	7,258.90	190.33	190.58	105.91	-1,334.29	11,369.63	264.73	-104.59	369.32	0.717	Level 1
18,500.00	7,186.59	18,604.88	7,259.18	191.99	192.24	106.02	-1,333.23	11,469.61	262.99	-109.42	372.41	0.706	Level 1
18,600.00	7,186.84	18,704.86	7,259.46	193.66	193.90	106.14	-1,332.18	11,569.59	261.25	-114.25	375.49	0.696	Level 1
18,700.00	7,187.09	18,804.84	7,259.73	195.33	195.56	106.26	-1,331.12	11,669.57	259.51	-119.06	378.57	0.685	Level 1
18,800.00	7,187.35	18,904.83	7,260.01	196.99	197.22	106.37	-1,330.06	11,769.55	257.77	-123.87	381.65	0.675	Level 1
18,900.00	7,187.60	19,004.81	7,260.29	198.66	198.88	106.49	-1,329.01	11,869.52	256.04	-128.68	384.71	0.666	Level 1
19,000.00	7,187.85	19,104.79	7,260.56	200.32	200.54	106.61	-1,327.95	11,969.50	254.30	-133.47	387.78	0.656	Level 1
19,100.00	7,188.11	19,204.78	7,260.84	201.99	202.20	106.74	-1,326.89	12,069.48	252.57	-138.26	390.83	0.646	Level 1
19,200.00	7,188.36	19,304.76	7,261.12	203.65	203.87	106.86	-1,325.84	12,169.46	250.84	-143.04	393.88	0.637	Level 1
19,300.00	7,188.61	19,404.74	7,261.40	205.32	205.53	106.99	-1,324.78	12,269.43	249.11	-147.82	396.93	0.628	Level 1
19,400.00	7,188.87	19,504.73	7,261.67	206.99	207.19	107.12	-1,323.73	12,369.41	247.38	-152.58	399.96	0.619	Level 1
19,500.00	7,189.12	19,604.71	7,261.95	208.65	208.85	107.25	-1,322.67	12,469.39	245.65	-157.34	402.99	0.610	Level 1
19,600.00	7,189.37	19,704.69	7,262.23	210.32	210.51	107.38	-1,321.61	12,569.37	243.92	-162.09	406.01	0.601	Level 1
19,700.00	7,189.63	19,804.68	7,262.50	211.99	212.17	107.51	-1,320.56	12,669.34	242.20	-166.83	409.03	0.592	Level 1
19,800.00	7,189.88	19,904.66	7,262.78	213.65	213.84	107.65	-1,319.50	12,769.32	240.48	-171.56	412.04	0.584	Level 1
19,900.00	7,190.13	20,004.64	7,263.06	215.32	215.50	107.78	-1,318.44	12,869.30	238.75	-176.28	415.04	0.575	Level 1
20,000.00	7,190.39	20,104.63	7,263.33	216.99	217.16	107.92	-1,317.39	12,969.28	237.03	-181.00	418.03	0.567	Level 1
20,100.00	7,190.64	20,204.61	7,263.61	218.65	218.82	108.07	-1,316.33	13,069.25	235.31	-185.70	421.01	0.559	Level 1
20,200.00	7,190.89	20,304.59	7,263.89	220.32	220.49	108.21	-1,315.27	13,169.23	233.59	-190.39	423.98	0.551	Level 1
20,242.80	7,191.00	20,347.38	7,264.00	221.04	221.20	108.27	-1,314.82	13,212.02	232.86	-192.38	425.23	0.548	Level 1, ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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

Reference Depths are relative to RKB = 4' @ 4909.00usft (RIG)

Offset Depths are relative to Offset Datum

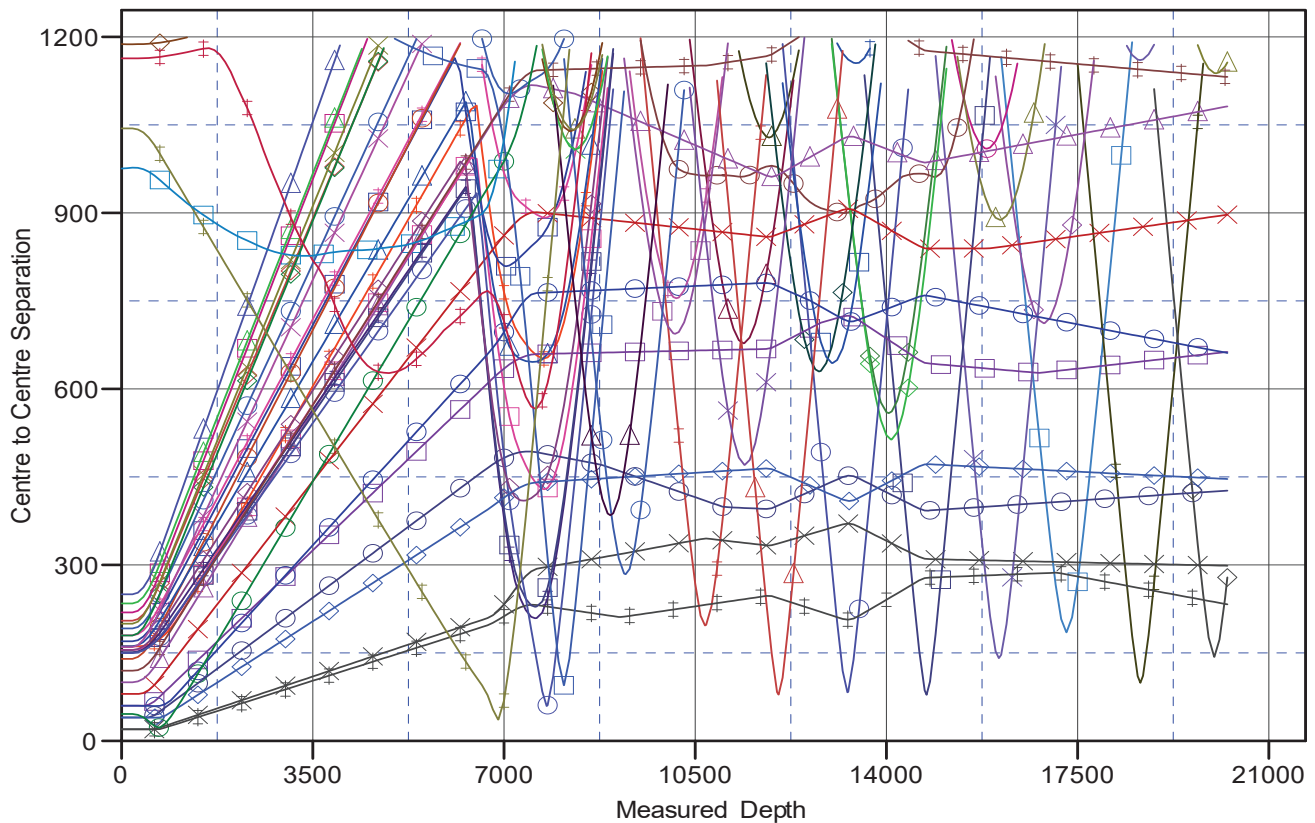
Central Meridian is -105.500000

Coordinates are relative to: SANFORD 8N-27B-XR

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Ladder Plot



LEGEND

UPRC 27-6C, Noble P&A Well, Actual VES Surveys V0	WIEDEMANJ 28-21D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 5C-30-M, Wellbore #1, Design #1 V0
UPV 27-1H6 Noble P&A Well, Actual Sperry Surveys V0	IGOFARMSJ 28-19D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 1C-27-XR, Wellbore #1, Design #1 V0
UPV 27-7H6 Noble PR Well, Actual VES Surveys V0	COLTRANEGO 1, Noble SI Well, No Surveys V0	SANFORD 30N-30A-M, Wellbore #1, Design #1 V0
GRACIE J 27-19X, Noble SI Well, Actual Multishot Surveys V0	SANFORD 32N-30B-M, Wellbore #1, Design #1 V0	SANFORD 31N-30B-M, Wellbore #1, Design #1 V0
UPRC 27-5C, Noble T/A Well, Actual VES Surveys V0	SANFORD 1N-27A-XR, Wellbore #1, Design #1 V0	SANFORD 40N-27C-XR, Wellbore #1, Design #1 V0
UPRC 27-3C, Directional Well No Surveys, Noble SI Well, No Surveys V0	SANFORD 4N-30A-M, Wellbore #1, Design #1 V0	SANFORD 26C-27-XR, Wellbore #1, Design #1 V0
UPV 27-2H6 Noble PR Well, Actual VES Surveys V0	SANFORD 4C-30-M, Wellbore #1, Design #1 V0	SANFORD 40N-27B-XR, Wellbore #1, Design #1 V0
UPV 27-8H6 Noble P&A Well, Actual VES Surveys V0	SANFORD 4N-30B-M, Wellbore #1, Design #1 V0	SANFORD 26N-27C-XR, Wellbore #1, Design #1 V0
UPRC 27-4C, Noble SI Well, Actual BHI Tiff Surveys V0	SANFORD 32N-30C-M, Wellbore #1, Design #1 V0	SANFORD 30C-30-M, Wellbore #1, Design #1 V0
IGO 28-3H6, Noble SI Well, No Surveys V0	SANFORD 4N-30C-M, Wellbore #1, Design #1 V0	UPRC 29-8C, Noble SI Well, No Surveys V0
COLTRANEPM J28-5, Noble SI Well, No Surveys V0	SANFORD 1N-27B-XR, Wellbore #1, Design #1 V0	UPRC 29-7C, Noble T/A Well, No Surveys V0
IGOFARMSJ 28-20D, Noble PR Well, Actual Ensign Surveys V0	SANFORD 8C-27-XR, Wellbore #1, Design #1 V0	KAMMERZELL 29-3H6, Noble SI Well, No Surveys V0
IGOFARMSJ 28-21D, Noble PR Well, Actual Ensign Surveys V0	SANFORD 28N-27A-XR, Wellbore #1, Design #1 V0	BENSLEY 29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0
WIEDEMANPM J28-2, Noble SI Well, No Surveys V0	SANFORD 1N-27C-XR, Wellbore #1, Design #1 V0	UPV 29-2H6, Noble SI Well, No Surveys V0
WIEDEMAN 1, Noble SI Well, No Surveys V0	SANFORD 41N-27C-XR, Wellbore #1, Design #1 V0	BENSLEY J29-18D, Noble SI Well, Actual Ensign Surveys V0
WIEST J 2865-1HN, Noble PR Well, Actual Sperry Surveys V0	SANFORD 31N-30C-M, Wellbore #1, Design #1 V0	BENSLEY J29-17D, Noble PR Well, Actual Ensign Surveys V0
IGOFARMSJ 28-32D, Noble PR Well, Actual Ensign Surveys V0	SANFORD 41N-27B-XR, Wellbore #1, Design #1 V0	KAMMERZELL 29-6H6, Noble SI Well, No Surveys V0
WIEDEMANJ 28-22D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 9N-30C-M, Wellbore #1, Design #1 V0	KAMMERZELL J 29-19, Noble SI Well, Actual Coretech Gpss V0
WIEDEMANJ 28-17, Noble SI Well, No Surveys V0	SANFORD 8N-27C-XR, Wellbore #1, Design #1 V0	BENSLEY J29-27D (Need Directional Surveys), Noble SI Well, No Surveys V0
WIEDEMANPM J28-1, Noble SI Well, No Surveys V0	SANFORD 30N-30B-M, Wellbore #1, Design #1 V0	
WIEDEMANJ 28-18D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 5N-30B-M, Wellbore #1, Design #1 V0	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	Local Co-ordinate Reference:	Well SANFORD 8N-27B-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 8N-27B-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

Reference Depths are relative to RKB = 4' @ 4909.00usft (RIG)

Offset Depths are relative to Offset Datum

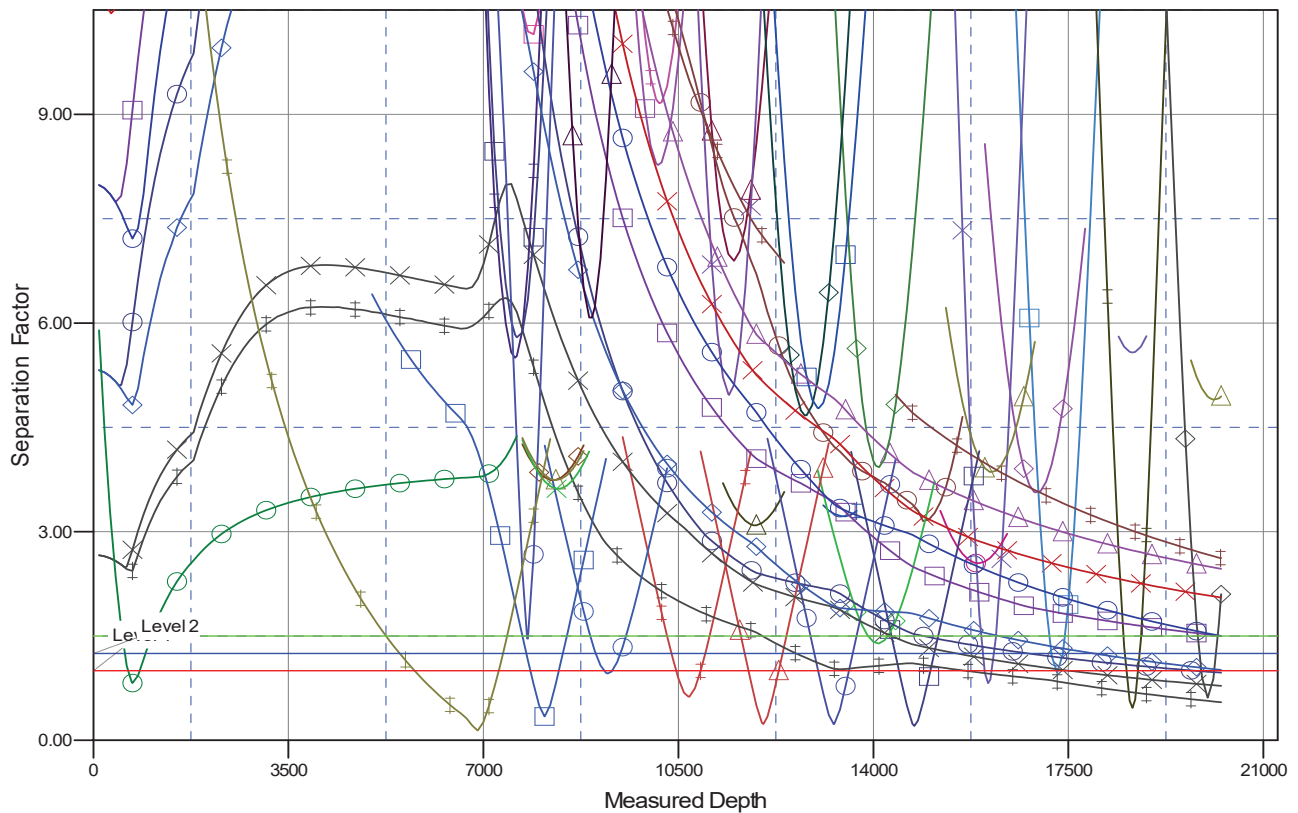
Central Meridian is -105.500000

Coordinates are relative to: SANFORD 8N-27B-XR

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

UPRC 27-6C Noble P&A Well, Actual VES Surveys V0	WIEDEMANU 28-21D, Noble SI Well, Actual Ensign Surveys V0	SANFORD5C-30-M, Wellbore #1, Design #1 V0
UPV 27-1H Noble P&A Well, Actual Sperry Surveys V0	IGO FARMSJ 28-19D, Noble SI Well, Actual Ensign Surveys V0	SANFORD 1C-27-XR, Wellbore #1, Design #1 V0
UPV 27-7H Noble PR Well, Actual VES Surveys V0	COLTRANEIGO 1, Noble SI Well, No Surveys V0	SANFORD30N-30A-M, Wellbore #1, Design #1 V0
GRACIE J 27-19X, Noble SI Well, Actual Multishot Surveys V0	SANF ORD 32N-30B-M, Wellbore #1, Design #1 V0	SANFORD31N-30B-M, Wellbore #1, Design #1 V0
UPRC 27-5C Noble T/A Well, Actual VES Surveys V0	SANF ORD 1N-27A-XR, Wellbore #1, Design #1 V0	SANFORD40N-27C-XR, Wellbore #1, Design #1 V0
UPRC 27-3C Directional Well No Surveys, Noble SI Well, No Surveys V0	SANF ORD 4N-30A-M, Wellbore #1, Design #1 V0	SANFORD26C-27-XR, Wellbore #1, Design #1 V0
UPV 27-2H Noble PR Well, Actual VES Surveys V0	SANF ORD 4C-30-M, Wellbore #1, Design #1 V0	SANFORD40N-27B-XR, Wellbore #1, Design #1 V0
UPV 27-8H Noble P&A Well, Actual VES Surveys V0	SANF ORD 4N-30B-M, Wellbore #1, Design #1 V0	SANFORD26N-27C-XR, Wellbore #1, Design #1 V0
UPRC 27-4C Noble SI Well, Actual BHI T/F Surveys V0	SANF ORD 32N-30C-M, Wellbore #1, Design #1 V0	SANFORD30C-30-M, Wellbore #1, Design #1 V0
IGO 28-3H Noble SI Well, No Surveys V0	SANF ORD 4N-30C-M, Wellbore #1, Design #1 V0	UPRC 29-8C, Noble SI Well, No Surveys V0
COLTRANE-PM J28-5, Noble SI Well, No Surveys V0	SANF ORD 1N-27B-XR, Wellbore #1, Design #1 V0	UPRC 29-7C, Noble T/A Well, No Surveys V0
IGO FARMSJ 28-20D, Noble PR Well, Actual Ensign Surveys V0	SANF ORD 3C-27-XR, Wellbore #1, Design #1 V0	KAMMERZELL 29-8H, Noble SI Well, No Surveys V0
IGO FARMSJ 28-31D, Noble PR Well, Actual Ensign Surveys V0	SANF ORD 26N-27A-XR, Wellbore #1, Design #1 V0	BENSLER J29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0
WIEDEMANPM J28-2, Noble SI Well, No Surveys V0	SANF ORD 1N-27C-XR, Wellbore #1, Design #1 V0	UPV 29-2H, Noble SI Well, No Surveys V0
WIEDEMAN1, Noble SI Well, No Surveys V0	SANF ORD 41N-27C-XR, Wellbore #1, Design #1 V0	BENSLER J29-18D, Noble SI Well, Actual Ensign Surveys V0
WEST J 2865-1HN, Noble PR Well, Actual Sperry Surveys V0	SANF ORD 31N-30C-M, Wellbore #1, Design #1 V0	BENSLER J29-17D, Noble PR Well, Actual Ensign Surveys V0
IGO FARMSJ 28-32D, Noble PR Well, Actual Ensign Surveys V0	SANF ORD 41N-27B-XR, Wellbore #1, Design #1 V0	KAMMERZELL 29-8H, Noble SI Well, No Surveys V0
WIEDEMANU 28-22D, Noble SI Well, Actual Ensign Surveys V0	SANF ORD 5N-30C-M, Wellbore #1, Design #1 V0	KAMMERZELL J 29-19, Noble SI Well, Actual Coretech Gross V0
WIEDEMANU 28-17, Noble SI Well, No Surveys V0	SANF ORD 8N-27C-XR, Wellbore #1, Design #1 V0	BENSLER J29-27D (Need Directional Surveys), Noble SI Well, No Surveys V0
WIEDEMANPM J28-7, Noble SI Well, No Surveys V0	SANF ORD 30N-30B-M, Wellbore #1, Design #1 V0	
WIEDEMANU 28-18D, Noble SI Well, Actual Ensign Surveys V0	SANF ORD 5N-30B-M, Wellbore #1, Design #1 V0	