SRC ENERGY

WELD COUNTY (NAD83, TRUE NORTH)
5N-66W-29 SANFORD 21-29 PAD
SANFORD 40N-27C-XR

Wellbore #1
Design #1

Anticollision Report

25 October, 2018

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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 2	Fixed:v2:crustal field declination
1,800.00	20,462.32	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV 2	Fixed:v2:Rockies, crustal dec + 3-axis correction

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
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						Out of range
SHAFTO J27-10 - Noble PR Well - No Surveys	18,836.89	7,135.80	700.18	254.50	1.571	CC, ES, SF
SHAFTO J27-9 - Noble P&A Well - Actual VES Surveys	20,084.46	7,146.84	669.90	439.06	2.902	CC
SHAFTO J27-9 - Noble P&A Well - Actual VES Surveys	20,100.00	7,146.78	670.08	438.76	2.897	ES, SF
UPRC 27-11C - Noble SI Well - No Surveys	17,356.24	7,126.79	518.20	97.43	1.232	Level 2, CC, ES, SF
UPRC 27-12C - Noble SI Well - No Surveys	16,168.55	7,145.19	583.09	181.35	1.451	Level 3, CC
UPRC 27-12C - Noble SI Well - No Surveys	16,200.00	7,145.23	583.94	181.24	1.450	Level 3, ES, SF
UPRC 27-3C Directional Well No Surveys - Noble SI We	16,046.20	7,102.02	272.23	-125.96	0.684	Level 1, CC, ES, SF
UPRC 27-4C - Noble SI Well - Actual BHI Tiff Surveys						Out of range
UPRC 27-5C - Noble T/A Well - Actual VES Surveys	16,280.98	7,356.81	590.20	416.06	3.389	CC, ES, SF
UPRC 27-6C - Noble P&A Well - Actual VES Surveys	17,507.54	7,530.43	527.50	337.94	2.783	CC, ES, SF
UPV 27-1H6 - Noble P&A Well - Actual Sperry Surveys						Out of range
UPV 27-2H6 - Noble PR Well - Actual VES Surveys						Out of range
UPV 27-7H6 - Noble PR Well - Actual VES Surveys	18,875.58	7,457.56	786.72	572.95	3.680	CC, ES, SF
UPV 27-8H6 - Noble P&A Well - Actual VES Surveys	20,229.32	7,324.21	808.88	575.56	3.467	CC, ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
5N-66W-28 Offsets						
COLTRANE-IGO 1 - Noble SI Well - No Surveys	12,241.59	7,181.76	692.91	354.31	2.046	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	10,899.62	7,202.71	970.39	652.64	3.054	CC
COLTRANE-PM J28-5 - Noble SI Well - No Surveys	10,900.00	7,202.71	970.39	652.63	3.054	ES, SF
IGO 28-3H6 - Noble SI Well - No Surveys						Out of range
IGO FARMS J 28-19D - Noble SI Well - Actual Ensign Su						Out of range
IGO FARMS J 28-20D - Noble PR Well - Actual Ensign S	11,600.00	7,371.40	97.50	-0.86	0.991	Level 1, ES, SF
IGO FARMS J 28-20D - Noble PR Well - Actual Ensign S	11,605.82	7,371.37	97.33	-0.21	0.998	Level 1, CC
IGO FARMS J 28-31D - Noble PR Well - Actual Ensign S						Out of range
IGO FARMS J 28-32D - Noble PR Well - Actual Ensign S	10,354.88	7,439.38	76.01	-9.07	0.893	Level 1, CC, ES, SF
MOSSBERG A-28 - Noble P&A Well - No Surveys	13,647.38	7,147.77	604.15	243.91	1.677	CC, ES
MOSSBERG A-28 - Noble P&A Well - No Surveys	13,700.00	7,147.84	606.44	244.68	1.676	SF
MOSSBERG PM J 28-9 - Noble SI Well - Actual VES Su	14,981.13	7,146.76	501.52	355.29	3.430	CC
MOSSBERG PM J 28-9 - Noble SI Well - Actual VES Su	15,000.00	7,147.03	501.87	354.97	3.416	ES, SF
WIEDEMAN 1 - Noble SI Well - No Surveys	14,959.92	7,167.55	678.02	295.47	1.772	CC, ES, SF
WIEDEMAN 28-1H6 - Noble SI Well - No Surveys						Out of range
WIEDEMAN J 28-17 - Noble SI Well - No Surveys						Out of range
WIEDEMAN J 28-18D - Noble SI Well - Actual Ensign Su						Out of range
WIEDEMAN J 28-21D - Noble SI Well - Actual Ensign Su	13,210.17	7,457.44	83.14	-52.40	0.613	Level 1, CC, ES, SF
WIEDEMAN J 28-22D - Noble SI Well - Actual Ensign Su	14,290.02	7,311.58	177.79	35.02	1.245	Level 2, CC, ES, SF
WIEDEMAN-PM J28-2 - Noble SI Well - No Surveys						Out of range
WIEDEMAN-PM J28-7 - Noble SI Well - No Surveys	13,515.24	7,184.59	795.75	436.38	2.214	CC, ES, SF
WIEST 28-11H6 - Noble SI Well - No Surveys	12,250.52	7,156.78	832.74	494.88	2.465	CC, ES
WIEST 28-11H6 - Noble SI Well - No Surveys	12,300.00	7,156.85	834.21	495.05	2.460	SF
WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Su	12,918.37	9,677.73	167.62	-18.41	0.901	Level 1, CC
WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Su	15,097.32	11,861.78	205.11	-101.46	0.669	Level 1, ES, SF
ZION PM J 28-12 - Noble PR Well - Actual VES Surveys	10,757.00	7,152.77	790.49	712.63	10.152	CC, ES
ZION PM J 28-12 - Noble PR Well - Actual VES Surveys	10,900.00	7,153.25	803.32	722.24	9.907	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
5N-66W-29 Offsets Incomplete (Need 2 Directionals)						
BENSLER J 29-17D - Noble PR Well - Actual Ensign Su	9,165.80	7,328.65	1,150.29	1,085.38	17.720	CC, ES
BENSLER J 29-17D - Noble PR Well - Actual Ensign Su	9,200.00	7,328.58	1,150.80	1,085.85	17.718	SF
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	4,395.01	4,519.38	875.67	842.76	26.607	CC
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	4,400.00	4,522.60	875.68	842.74	26.586	ES
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	4,800.00	4,822.48	902.55	867.73	25.921	SF
BENSLER J 29-21D (Need Directional Surveys) - Noble	200.00	188.00	1,187.77	1,177.97	121.264	CC
BENSLER J 29-21D (Need Directional Surveys) - Noble	900.00	881.06	1,197.13	1,162.75	34.826	ES, SF
BENSLER J 29-27D (Need Directional Surveys) - Noble						Out of range
CARLSON 10-29 - Noble SI Well - Actual VES Surveys	8,441.83	7,237.53	742.85	698.97	16.927	CC, ES
CARLSON 10-29 - Noble SI Well - Actual VES Surveys	8,700.00	7,232.93	786.42	737.50	16.073	SF
HSR-MILLARD 9-29 - Noble SI Well - No Surveys	9,816.65	7,207.05	678.46	377.39	2.254	CC, ES, SF
KAMMERZELL 1 - XOG P&A Well - No Surveys						Out of range
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	200.00	202.00	33.45	23.05	3.216	CC
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	300.00	302.02	34.54	20.90	2.531	ES
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	500.00	502.55	44.78	24.13	2.169	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	4,406.38	4,274.40	33.15	-131.00	0.202	Level 1, CC, ES, SF
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	2,428.06	2,377.77	820.18	803.59	49.456	CC
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	2,500.00	2,448.68	820.32	803.52	48.839	ES
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	5,900.00	5,749.54	1,189.80	1,155.60	34.788	SF
UPRC 29-7C - Noble T/A Well - No Surveys	8,315.81	7,220.76	667.42	386.28	2.374	CC, ES, SF
UPRC 29-8C - Noble SI Well - No Surveys	9,447.27	7,311.49	483.14	183.87	1.614	CC, ES, SF
UPV 29-1H6 - Noble PR Well - No Surveys						Out of range
UPV 29-2H6 - Noble SI Well - No Surveys						Out of range

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
5N-66W-29 SANFORD 21-29 PAD						
SANFORD 1C-27-XR - Wellbore #1 - Design #1	200.00	200.00	179.97	172.40	23.762	CC, ES
SANFORD 1C-27-XR - Wellbore #1 - Design #1	300.00	301.55	180.98	173.33	23.652	SF
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	200.00	200.00	160.30	152.73	21.165	CC, ES
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	300.00	300.95	161.53	153.88	21.108	SF
SANFORD 1N-27B-XR - Wellbore #1 - Design #1	200.00	200.00	200.01	192.43	26.407	CC, ES, SF
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	315.35	321.15	140.19	132.53	18.286	CC, ES
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	400.00	405.12	141.78	134.01	18.257	SF
SANFORD 26C-27-XR - Wellbore #1 - Design #1	200.00	200.00	260.11	252.54	34.343	CC, ES, SF
SANFORD 26N-27A-XR - Wellbore #1 - Design #1	200.00	200.00	240.08	232.50	31.698	CC, ES, SF
SANFORD 26N-27C-XR - Wellbore #1 - Design #1	200.00	200.00	220.04	212.46	29.052	CC, ES, SF
SANFORD 30C-30-M - Wellbore #1 - Design #1	200.00	199.00	283.22	275.64	37.395	CC, ES
SANFORD 30C-30-M - Wellbore #1 - Design #1	300.00	291.87	285.97	278.32	37.370	SF
SANFORD 30N-30A-M - Wellbore #1 - Design #1	200.00	199.00	266.37	258.79	35.171	CC, ES
SANFORD 30N-30A-M - Wellbore #1 - Design #1	300.00	292.18	269.11	261.46	35.166	SF
SANFORD 30N-30B-M - Wellbore #1 - Design #1	200.00	199.00	300.33	292.75	39.655	CC, ES
SANFORD 30N-30B-M - Wellbore #1 - Design #1	300.00	290.80	303.22	295.57	39.624	SF
SANFORD 31N-30B-M - Wellbore #1 - Design #1	200.00	199.00	180.24	172.66	23.798	CC, ES
SANFORD 31N-30B-M - Wellbore #1 - Design #1	300.00	297.22	181.75	174.10	23.751	SF
SANFORD 31N-30C-M - Wellbore #1 - Design #1	200.00	199.00	192.17	184.60	25.374	CC, ES
SANFORD 31N-30C-M - Wellbore #1 - Design #1	300.00	296.60	193.94	186.28	25.343	SF
SANFORD 32N-30B-M - Wellbore #1 - Design #1	7,495.95	7,807.25	67.49	23.89	1.548	CC, ES, SF
SANFORD 32N-30C-M - Wellbore #1 - Design #1	200.00	199.00	151.38	143.80	19.987	CC, ES
SANFORD 32N-30C-M - Wellbore #1 - Design #1	7,500.00	7,816.15	296.75	253.92	6.929	SF
SANFORD 40N-27B-XR - Wellbore #1 - Design #1	820.63	824.93	19.61	10.99	2.276	CC
SANFORD 40N-27B-XR - Wellbore #1 - Design #1	20,462.76	20,321.98	238.33	-171.19	0.582	Level 1, ES, SF
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	394.48	402.63	120.00	112.25	15.481	CC
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	400.00	408.15	120.00	112.24	15.468	ES
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	500.00	508.12	121.94	114.02	15.401	SF
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	451.28	460.05	99.85	92.02	12.758	CC, ES
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	20,462.76	20,253.70	1,080.93	638.34	2.442	SF
SANFORD 4C-30-M - Wellbore #1 - Design #1	200.00	199.00	219.42	211.85	28.972	CC, ES
SANFORD 4C-30-M - Wellbore #1 - Design #1	300.00	295.90	221.44	213.79	28.936	SF
SANFORD 4N-30A-M - Wellbore #1 - Design #1	200.00	199.00	205.17	197.60	27.091	CC, ES
SANFORD 4N-30A-M - Wellbore #1 - Design #1	300.00	295.89	207.17	199.51	27.071	SF
SANFORD 4N-30B-M - Wellbore #1 - Design #1	200.00	199.00	234.35	226.77	30.943	CC, ES
SANFORD 4N-30B-M - Wellbore #1 - Design #1	300.00	294.31	236.72	229.07	30.932	SF
SANFORD 4N-30C-M - Wellbore #1 - Design #1	200.00	199.00	250.14	242.57	33.029	CC, ES, SF
SANFORD 5C-30-M - Wellbore #1 - Design #1	200.00	199.00	161.65	154.07	21.344	CC, ES
SANFORD 5C-30-M - Wellbore #1 - Design #1	7,700.00	7,685.87	678.46	636.63	16.220	SF
SANFORD 5N-30B-M - Wellbore #1 - Design #1	200.00	199.00	155.18	147.60	20.489	CC, ES
SANFORD 5N-30B-M - Wellbore #1 - Design #1	7,300.00	7,872.62	486.86	444.73	11.555	SF
SANFORD 5N-30C-M - Wellbore #1 - Design #1	200.00	199.00	170.00	162.43	22.447	CC, ES
SANFORD 5N-30C-M - Wellbore #1 - Design #1	300.00	297.46	171.35	163.69	22.392	SF
SANFORD 8C-27-XR - Wellbore #1 - Design #1	558.10	568.34	79.56	71.56	9.947	CC, ES
SANFORD 8C-27-XR - Wellbore #1 - Design #1	20,462.76	20,407.86	904.10	463.75	2.053	SF
SANFORD 8N-27B-XR - Wellbore #1 - Design #1	646.66	656.17	59.42	51.24	7.267	CC, ES
SANFORD 8N-27B-XR - Wellbore #1 - Design #1	20,462.76	20,242.80	661.38	220.51	1.500	SF
SANFORD 8N-27C-XR - Wellbore #1 - Design #1	734.57	742.00	39.42	31.04	4.702	CC
SANFORD 8N-27C-XR - Wellbore #1 - Design #1	20,462.76	20,343.24	438.20	-4.35	0.990	Level 1, ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - SHAFTO J27-10 - Noble PR 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,900.00	7,243.53	7,134.53	7,134.53	178.87	251.04	89.90	-2,409.27	11,593.60	1,169.62	817.82	351.80	3.325	
18,000.00	7,243.67	7,134.67	7,134.67	180.52	251.05	89.91	-2,409.27	11,593.60	1,091.16	730.66	360.50	3.027	
18,100.00	7,243.80	7,134.80	7,134.80	182.18	251.05	89.92	-2,409.27	11,593.60	1,016.49	646.30	370.19	2.746	
18,200.00	7,243.94	7,134.94	7,134.94	183.83	251.06	89.93	-2,409.27	11,593.60	946.51	565.64	380.87	2.485	
18,300.00	7,244.07	7,135.07	7,135.07	185.49	251.06	89.94	-2,409.27	11,593.60	882.33	489.90	392.43	2.248	
18,400.00	7,244.21	7,135.21	7,135.21	187.15	251.07	89.95	-2,409.27	11,593.60	825.30	420.73	404.57	2.040	
18,500.00	7,244.34	7,135.34	7,135.34	188.81	251.07	89.96	-2,409.27	11,593.60	777.01	360.27	416.74	1.865	
18,600.00	7,244.48	7,135.48	7,135.48	190.46	251.08	89.97	-2,409.27	11,593.60	739.16	311.06	428.11	1.727	
18,700.00	7,244.61	7,135.61	7,135.61	192.12	251.08	89.98	-2,409.27	11,593.60	713.43	275.83	437.60	1.630	
18,800.00	7,244.75	7,135.75	7,135.75	193.78	251.09	90.00	-2,409.27	11,593.60	701.15	256.99	444.16	1.579	
18,836.89	7,244.80	7,135.80	7,135.80	194.39	251.09	90.00	-2,409.27	11,593.60	700.18	254.50	445.67	1.571	CC, ES, SF
18,900.00	7,244.88	7,135.88	7,135.88	195.44	251.09	90.01	-2,409.27	11,593.60	703.02	255.97	447.05	1.573	
19,000.00	7,245.02	7,136.02	7,136.02	197.10	251.10	90.02	-2,409.27	11,593.60	718.92	272.77	446.15	1.611	
19,100.00	7,245.16	7,136.16	7,136.16	198.76	251.10	90.03	-2,409.27	11,593.60	747.98	305.99	441.99	1.692	
19,200.00	7,245.29	7,136.29	7,136.29	200.41	251.11	90.04	-2,409.27	11,593.60	788.73	353.27	435.46	1.811	
19,300.00	7,245.43	7,136.43	7,136.43	202.07	251.11	90.05	-2,409.27	11,593.60	839.47	411.93	427.54	1.963	
19,400.00	7,245.56	7,136.56	7,136.56	203.73	251.12	90.06	-2,409.27	11,593.60	898.52	479.48	419.04	2.144	
19,500.00	7,245.70	7,136.70	7,136.70	205.39	251.12	90.07	-2,409.27	11,593.60	964.34	553.82	410.53	2.349	
19,600.00	7,245.83	7,136.83	7,136.83	207.05	251.12	90.08	-2,409.27	11,593.60	1,035.65	633.29	402.36	2.574	
19,700.00	7,245.97	7,136.97	7,136.97	208.71	251.13	90.10	-2,409.27	11,593.60	1,111.40	716.66	394.73	2.816	
19,800.00	7,246.10	7,137.10	7,137.10	210.37	251.13	90.11	-2,409.27	11,593.60	1,190.72	803.00	387.72	3.071	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - SHAFTO J27-9 - Noble P&A Well - Actual VES Su

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7200-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.00	7,245.16	7,150.49	7,149.31	198.76	15.67	90.67	-2,366.28	12,840.77	1,190.76	1,069.54	121.22	9.823	
19,200.00	7,245.29	7,150.11	7,148.94	200.41	15.67	90.64	-2,366.28	12,840.77	1,109.51	979.24	130.27	8.517	
19,300.00	7,245.43	7,149.74	7,148.57	202.07	15.67	90.61	-2,366.28	12,840.77	1,031.56	891.13	140.44	7.345	
19,400.00	7,245.56	7,149.37	7,148.20	203.73	15.67	90.57	-2,366.29	12,840.77	957.72	805.94	151.79	6.310	
19,500.00	7,245.70	7,149.00	7,147.83	205.39	15.67	90.54	-2,366.29	12,840.78	889.01	724.74	164.27	5.412	
19,600.00	7,245.83	7,148.63	7,147.46	207.05	15.66	90.51	-2,366.29	12,840.78	826.71	649.02	177.70	4.652	
19,700.00	7,245.97	7,148.26	7,147.09	208.71	15.66	90.48	-2,366.29	12,840.78	772.38	580.78	191.59	4.031	
19,800.00	7,246.10	7,147.89	7,146.72	210.37	15.66	90.45	-2,366.30	12,840.78	727.79	522.64	205.15	3.548	
19,900.00	7,246.24	7,147.52	7,146.35	212.03	15.66	90.42	-2,366.30	12,840.78	694.83	477.65	217.17	3.199	
20,000.00	7,246.37	7,147.15	7,145.98	213.69	15.66	90.38	-2,366.30	12,840.79	675.20	448.91	226.29	2.984	
20,084.46	7,246.49	7,146.84	7,145.66	215.09	15.66	90.36	-2,366.30	12,840.79	669.90	439.06	230.83	2.902	CC
20,100.00	7,246.51	7,146.78	7,145.61	215.35	15.66	90.35	-2,366.30	12,840.79	670.08	438.76	231.32	2.897	ES, SF
20,200.00	7,246.64	7,146.41	7,145.24	217.01	15.66	90.32	-2,366.31	12,840.79	679.79	448.06	231.73	2.934	
20,300.00	7,246.78	7,146.04	7,144.87	218.67	15.66	90.29	-2,366.31	12,840.79	703.72	475.83	227.89	3.088	
20,400.00	7,246.92	7,145.67	7,144.50	220.34	15.66	90.26	-2,366.31	12,840.79	740.49	519.71	220.79	3.354	
20,462.76	7,247.00	7,145.44	7,144.26	221.42	15.66	90.24	-2,366.31	12,840.79	769.33	553.13	216.20	3.558	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-11C - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,300.00	7,241.36	7,125.36	7,125.36	152.41	250.72	89.84	-2,242.35	10,111.18	1,176.50	863.50	313.01	3.759	
16,400.00	7,241.50	7,125.50	7,125.50	154.06	250.72	89.86	-2,242.35	10,111.18	1,087.62	768.83	318.79	3.412	
16,500.00	7,241.63	7,125.63	7,125.63	155.71	250.73	89.87	-2,242.35	10,111.18	1,000.83	675.24	325.59	3.074	
16,600.00	7,241.77	7,125.77	7,125.77	157.36	250.73	89.89	-2,242.35	10,111.18	916.75	583.15	333.60	2.748	
16,700.00	7,241.91	7,125.91	7,125.91	159.01	250.74	89.90	-2,242.35	10,111.18	836.17	493.17	343.00	2.438	
16,800.00	7,242.04	7,126.04	7,126.04	160.67	250.74	89.92	-2,242.35	10,111.18	760.22	406.27	353.94	2.148	
16,900.00	7,242.18	7,126.18	7,126.18	162.32	250.75	89.93	-2,242.35	10,111.18	690.42	323.94	366.48	1.884	
17,000.00	7,242.31	7,126.31	7,126.31	163.97	250.75	89.95	-2,242.35	10,111.18	628.84	248.51	380.32	1.653	
17,100.00	7,242.45	7,126.45	7,126.45	165.63	250.76	89.96	-2,242.35	10,111.18	578.09	183.45	394.64	1.465	Level 3
17,200.00	7,242.58	7,126.58	7,126.58	167.28	250.76	89.98	-2,242.35	10,111.18	541.24	133.42	407.82	1.327	Level 3
17,300.00	7,242.72	7,126.72	7,126.72	168.93	250.77	89.99	-2,242.35	10,111.18	521.24	103.66	417.58	1.248	Level 2
17,356.24	7,242.79	7,126.79	7,126.79	169.86	250.77	90.00	-2,242.35	10,111.18	518.20	97.43	420.77	1.232	Level 2, CC, ES, SF
17,400.00	7,242.85	7,126.85	7,126.85	170.59	250.77	90.01	-2,242.35	10,111.18	520.04	98.11	421.93	1.233	Level 2
17,500.00	7,242.99	7,126.99	7,126.99	172.24	250.78	90.02	-2,242.35	10,111.18	537.77	117.43	420.34	1.279	Level 3
17,600.00	7,243.12	7,127.12	7,127.12	173.90	250.78	90.04	-2,242.35	10,111.18	572.67	158.68	413.99	1.383	Level 3
17,700.00	7,243.26	7,127.26	7,127.26	175.55	250.79	90.05	-2,242.35	10,111.18	621.86	216.94	404.91	1.536	
17,800.00	7,243.39	7,127.39	7,127.39	177.21	250.79	90.07	-2,242.35	10,111.18	682.24	287.34	394.90	1.728	
17,900.00	7,243.53	7,127.53	7,127.53	178.87	250.80	90.08	-2,242.35	10,111.18	751.14	366.04	385.10	1.950	
18,000.00	7,243.67	7,127.67	7,127.67	180.52	250.80	90.10	-2,242.35	10,111.18	826.42	450.34	376.08	2.197	
18,100.00	7,243.80	7,127.80	7,127.80	182.18	250.80	90.11	-2,242.35	10,111.18	906.48	538.46	368.02	2.463	
18,200.00	7,243.94	7,127.94	7,127.94	183.83	250.81	90.13	-2,242.35	10,111.18	990.19	629.23	360.95	2.743	
18,300.00	7,244.07	7,128.07	7,128.07	185.49	250.81	90.14	-2,242.35	10,111.18	1,076.67	721.89	354.78	3.035	
18,400.00	7,244.21	7,128.21	7,128.21	187.15	250.82	90.16	-2,242.35	10,111.18	1,165.32	815.92	349.40	3.335	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-12C - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,200.00	7,239.87	7,143.87	7,143.87	134.28	251.37	89.87	-2,319.31	8,924.21	1,130.52	815.35	315.17	3.587	
15,300.00	7,240.01	7,144.01	7,144.01	135.93	251.38	89.88	-2,319.31	8,924.21	1,046.12	724.80	321.32	3.256	
15,400.00	7,240.14	7,144.14	7,144.14	137.57	251.38	89.90	-2,319.31	8,924.21	964.71	636.26	328.45	2.937	
15,500.00	7,240.28	7,144.28	7,144.28	139.22	251.39	89.91	-2,319.31	8,924.21	887.10	550.42	336.69	2.635	
15,600.00	7,240.42	7,144.42	7,144.42	140.87	251.39	89.92	-2,319.31	8,924.21	814.40	468.31	346.09	2.353	
15,700.00	7,240.55	7,144.55	7,144.55	142.51	251.40	89.94	-2,319.31	8,924.21	748.02	391.42	356.60	2.098	
15,800.00	7,240.69	7,144.69	7,144.69	144.16	251.40	89.95	-2,319.31	8,924.21	689.80	321.85	367.95	1.875	
15,900.00	7,240.82	7,144.82	7,144.82	145.81	251.41	89.96	-2,319.31	8,924.21	641.96	262.49	379.47	1.692	
16,000.00	7,240.96	7,144.96	7,144.96	147.46	251.41	89.98	-2,319.31	8,924.21	606.96	216.92	390.04	1.556	
16,100.00	7,241.09	7,145.09	7,145.09	149.11	251.42	89.99	-2,319.31	8,924.21	587.11	188.89	398.22	1.474	Level 3
16,168.55	7,241.19	7,145.19	7,145.19	150.24	251.42	90.00	-2,319.31	8,924.21	583.09	181.35	401.74	1.451	Level 3, CC
16,200.00	7,241.23	7,145.23	7,145.23	150.76	251.42	90.00	-2,319.31	8,924.21	583.94	181.24	402.70	1.450	Level 3, ES, SF
16,300.00	7,241.36	7,145.36	7,145.36	152.41	251.43	90.02	-2,319.31	8,924.21	597.73	194.74	402.99	1.483	Level 3
16,400.00	7,241.50	7,145.50	7,145.50	154.06	251.43	90.03	-2,319.31	8,924.21	627.35	227.76	399.58	1.570	
16,500.00	7,241.63	7,145.63	7,145.63	155.71	251.44	90.04	-2,319.31	8,924.21	670.71	277.06	393.65	1.704	
16,600.00	7,241.77	7,145.77	7,145.77	157.36	251.44	90.06	-2,319.31	8,924.21	725.36	338.93	386.43	1.877	
16,700.00	7,241.91	7,145.91	7,145.91	159.01	251.45	90.07	-2,319.31	8,924.21	788.95	410.08	378.86	2.082	
16,800.00	7,242.04	7,146.04	7,146.04	160.67	251.45	90.08	-2,319.31	8,924.21	859.49	487.96	371.54	2.313	
16,900.00	7,242.18	7,146.18	7,146.18	162.32	251.46	90.10	-2,319.31	8,924.21	935.42	570.68	364.74	2.565	
17,000.00	7,242.31	7,146.31	7,146.31	163.97	251.46	90.11	-2,319.31	8,924.21	1,015.53	656.94	358.60	2.832	
17,100.00	7,242.45	7,146.45	7,146.45	165.63	251.47	90.12	-2,319.31	8,924.21	1,098.91	745.80	353.11	3.112	
17,200.00	7,242.58	7,146.58	7,146.58	167.28	251.47	90.14	-2,319.31	8,924.21	1,184.86	836.63	348.23	3.402	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-3C Directional Well No Surveys - Noble

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,900.00	7,239.47	7,100.47	7,100.47	129.35	249.84	89.67	-2,009.71	8,798.71	1,178.09	895.68	282.41	4.172	
15,000.00	7,239.60	7,100.60	7,100.60	130.99	249.84	89.70	-2,009.71	8,798.71	1,081.04	796.78	284.26	3.803	
15,100.00	7,239.74	7,100.74	7,100.74	132.64	249.85	89.73	-2,009.71	8,798.71	984.59	697.91	286.67	3.435	
15,200.00	7,239.87	7,100.87	7,100.87	134.28	249.85	89.76	-2,009.71	8,798.71	888.92	599.07	289.85	3.067	
15,300.00	7,240.01	7,101.01	7,101.01	135.93	249.86	89.79	-2,009.71	8,798.71	794.31	500.26	294.05	2.701	
15,400.00	7,240.14	7,101.14	7,101.14	137.57	249.86	89.82	-2,009.71	8,798.71	701.21	401.53	299.67	2.340	
15,500.00	7,240.28	7,101.28	7,101.28	139.22	249.87	89.84	-2,009.71	8,798.71	610.29	303.02	307.27	1.986	
15,600.00	7,240.42	7,101.42	7,101.42	140.87	249.87	89.87	-2,009.71	8,798.71	522.69	205.07	317.63	1.646	
15,700.00	7,240.55	7,101.55	7,101.55	142.51	249.87	89.90	-2,009.71	8,798.71	440.42	108.62	331.79	1.327	Level 3
15,800.00	7,240.69	7,101.69	7,101.69	144.16	249.88	89.93	-2,009.71	8,798.71	367.05	16.34	350.71	1.047	Level 2
15,900.00	7,240.82	7,101.82	7,101.82	145.81	249.88	89.96	-2,009.71	8,798.71	309.01	-64.49	373.50	0.827	Level 1
16,000.00	7,240.96	7,101.96	7,101.96	147.46	249.89	89.99	-2,009.71	8,798.71	276.12	-117.29	393.41	0.702	Level 1
16,046.20	7,241.02	7,102.02	7,102.02	148.22	249.89	90.00	-2,009.71	8,798.71	272.23	-125.96	398.19	0.684	Level 1, CC, ES, SF
16,100.00	7,241.09	7,102.09	7,102.09	149.11	249.89	90.02	-2,009.71	8,798.71	277.50	-121.20	398.70	0.696	Level 1
16,200.00	7,241.23	7,102.23	7,102.23	150.76	249.90	90.04	-2,009.71	8,798.71	312.67	-75.28	387.95	0.806	Level 1
16,300.00	7,241.36	7,102.36	7,102.36	152.41	249.90	90.07	-2,009.71	8,798.71	372.19	0.77	371.42	1.002	Level 2
16,400.00	7,241.50	7,102.50	7,102.50	154.06	249.91	90.10	-2,009.71	8,798.71	446.41	90.22	356.19	1.253	Level 3
16,500.00	7,241.63	7,102.63	7,102.63	155.71	249.91	90.13	-2,009.71	8,798.71	529.19	185.15	344.04	1.538	
16,600.00	7,241.77	7,102.77	7,102.77	157.36	249.92	90.16	-2,009.71	8,798.71	617.09	282.42	334.67	1.844	
16,700.00	7,241.91	7,102.91	7,102.91	159.01	249.92	90.19	-2,009.71	8,798.71	708.21	380.76	327.45	2.163	
16,800.00	7,242.04	7,103.04	7,103.04	160.67	249.93	90.21	-2,009.71	8,798.71	801.45	479.64	321.81	2.490	
16,900.00	7,242.18	7,103.18	7,103.18	162.32	249.93	90.24	-2,009.71	8,798.71	896.14	578.80	317.34	2.824	
17,000.00	7,242.31	7,103.31	7,103.31	163.97	249.94	90.27	-2,009.71	8,798.71	991.88	678.14	313.74	3.161	
17,100.00	7,242.45	7,103.45	7,103.45	165.63	249.94	90.30	-2,009.71	8,798.71	1,088.39	777.58	310.81	3.502	
17,200.00	7,242.58	7,103.58	7,103.58	167.28	249.95	90.33	-2,009.71	8,798.71	1,185.48	877.10	308.38	3.844	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPRC 27-5C - Noble T/A Well - Actual VES Surve

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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,300.00	7,240.01	7,361.86	7,124.68	135.93	22.85	-92.17	-1,145.34	9,024.66	1,144.83	1,038.37	106.46	10.754	
15,400.00	7,240.14	7,361.34	7,124.17	137.57	22.84	-92.12	-1,145.32	9,024.66	1,060.40	948.22	112.17	9.453	
15,500.00	7,240.28	7,360.83	7,123.65	139.22	22.82	-92.07	-1,145.31	9,024.67	978.90	860.25	118.65	8.250	
15,600.00	7,240.42	7,360.31	7,123.14	140.87	22.81	-92.02	-1,145.29	9,024.67	901.14	775.18	125.96	7.154	
15,700.00	7,240.55	7,359.80	7,122.62	142.51	22.80	-91.97	-1,145.28	9,024.67	828.17	694.09	134.09	6.176	
15,800.00	7,240.69	7,359.28	7,122.11	144.16	22.76	-91.92	-1,145.26	9,024.68	761.36	618.48	142.88	5.329	
15,900.00	7,240.82	7,358.77	7,121.59	145.81	22.77	-91.87	-1,145.25	9,024.68	702.48	550.41	152.07	4.619	
16,000.00	7,240.96	7,358.25	7,121.08	147.46	22.73	-91.82	-1,145.23	9,024.68	653.67	492.79	160.88	4.063	
16,100.00	7,241.09	7,357.74	7,120.56	149.11	22.74	-91.77	-1,145.22	9,024.69	617.32	449.00	168.32	3.667	
16,200.00	7,241.23	7,357.22	7,120.05	150.76	22.73	-91.72	-1,145.20	9,024.69	595.73	422.68	173.05	3.443	
16,280.98	7,241.34	7,356.81	7,119.63	152.09	22.72	-91.68	-1,145.19	9,024.69	590.20	416.06	174.14	3.389	CC, ES, SF
16,300.00	7,241.36	7,356.71	7,119.53	152.41	22.71	-91.67	-1,145.19	9,024.69	590.51	416.50	174.01	3.394	
16,400.00	7,241.50	7,356.20	7,119.02	154.06	22.68	-91.62	-1,145.17	9,024.70	602.08	431.17	170.91	3.523	
16,500.00	7,241.63	7,355.68	7,118.50	155.71	22.67	-91.57	-1,145.16	9,024.70	629.53	465.08	164.45	3.828	
16,600.00	7,241.77	7,355.17	7,117.99	157.36	22.67	-91.52	-1,145.14	9,024.70	670.90	515.02	155.88	4.304	
16,700.00	7,241.91	7,354.65	7,117.48	159.01	22.66	-91.47	-1,145.13	9,024.71	723.81	577.39	146.42	4.943	
16,800.00	7,242.04	7,354.14	7,116.96	160.67	22.65	-91.42	-1,145.11	9,024.71	785.94	648.92	137.02	5.736	
16,900.00	7,242.18	7,353.62	7,116.45	162.32	22.63	-91.37	-1,145.10	9,024.71	855.28	727.07	128.22	6.671	
17,000.00	7,242.31	7,353.11	7,115.93	163.97	22.62	-91.32	-1,145.08	9,024.72	930.22	809.97	120.25	7.736	
17,100.00	7,242.45	7,352.59	7,115.42	165.63	22.61	-91.27	-1,145.07	9,024.72	1,009.51	896.33	113.17	8.920	
17,200.00	7,242.58	7,352.08	7,114.90	167.28	22.59	-91.22	-1,145.05	9,024.72	1,092.20	985.24	106.96	10.211	
17,300.00	7,242.72	7,351.56	7,114.39	168.93	22.58	-91.17	-1,145.04	9,024.73	1,177.58	1,076.06	101.52	11.599	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,400.00	7,241.50	7,066.79	6,593.82	154.06	18.28	-41.31	-1,275.94	10,109.93	1,179.18	1,084.58	94.60	12.465	
16,500.00	7,241.63	7,138.11	6,658.59	155.71	18.54	-46.00	-1,262.72	10,136.71	1,097.72	997.94	99.78	11.001	
16,600.00	7,241.77	7,205.80	6,720.90	157.36	18.78	-50.98	-1,250.94	10,160.37	1,017.00	911.12	105.88	9.605	
16,700.00	7,241.91	7,265.30	6,776.33	159.01	18.98	-55.82	-1,241.12	10,179.63	937.70	824.68	113.02	8.297	
16,800.00	7,242.04	7,316.51	6,824.50	160.67	19.16	-60.32	-1,233.05	10,195.00	860.69	739.38	121.31	7.095	
16,900.00	7,242.18	7,348.27	6,854.51	162.32	19.26	-63.26	-1,228.10	10,204.18	787.40	656.78	130.63	6.028	
17,000.00	7,242.31	7,381.87	6,886.34	163.97	19.37	-66.49	-1,222.90	10,213.59	719.17	577.92	141.24	5.092	
17,100.00	7,242.45	7,413.71	6,916.59	165.63	19.48	-69.64	-1,218.00	10,222.24	657.70	504.80	152.90	4.302	
17,200.00	7,242.58	7,444.10	6,945.53	167.28	19.58	-72.73	-1,213.38	10,230.29	605.19	440.20	165.00	3.668	
17,300.00	7,242.72	7,473.01	6,973.12	168.93	19.67	-75.71	-1,209.05	10,237.76	564.25	387.92	176.33	3.200	
17,400.00	7,242.85	7,500.58	6,999.48	170.59	19.76	-78.59	-1,204.97	10,244.70	537.62	352.53	185.09	2.905	
17,500.00	7,242.99	7,528.41	7,026.16	172.24	19.83	-81.51	-1,200.94	10,251.51	527.55	338.09	189.45	2.785	
17,507.54	7,243.00	7,530.43	7,028.11	172.37	19.83	-81.73	-1,200.66	10,252.00	527.50	337.94	189.56	2.783	CC, ES, SF
17,600.00	7,243.12	7,554.51	7,051.26	173.90	19.90	-84.27	-1,197.29	10,257.70	535.04	346.74	188.30	2.841	
17,700.00	7,243.26	7,579.04	7,074.90	175.55	19.96	-86.85	-1,193.95	10,263.34	559.48	377.38	182.11	3.072	
17,800.00	7,243.39	7,602.13	7,097.20	177.21	20.02	-89.27	-1,190.91	10,268.48	598.91	426.38	172.53	3.471	
17,900.00	7,243.53	7,622.77	7,117.17	178.87	20.06	-91.41	-1,188.24	10,272.95	650.69	489.31	161.37	4.032	
18,000.00	7,243.67	7,658.35	7,135.47	180.52	20.14	-93.35	-1,185.82	10,276.94	712.19	562.05	150.14	4.743	
18,100.00	7,243.80	7,662.47	7,155.67	182.18	20.15	-95.47	-1,183.19	10,281.22	781.17	641.48	139.69	5.592	
18,200.00	7,243.94	7,683.29	7,175.87	183.83	20.21	-97.55	-1,180.55	10,285.50	855.79	725.39	130.39	6.563	
18,300.00	7,244.07	7,704.11	7,196.08	185.49	20.28	-99.60	-1,177.92	10,289.78	934.69	812.43	122.27	7.645	
18,400.00	7,244.21	7,724.93	7,216.28	187.15	20.34	-101.59	-1,175.28	10,294.06	1,016.89	901.65	115.24	8.824	
18,500.00	7,244.34	7,754.26	7,236.48	188.81	20.48	-103.55	-1,172.65	10,298.34	1,101.64	992.37	109.27	10.082	
18,600.00	7,244.48	7,766.56	7,256.68	190.46	20.68	-105.45	-1,170.02	10,302.62	1,188.40	1,084.20	104.19	11.406	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPV 27-7H6 - Noble PR Well - Actual VES Surve

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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,000.00	7,243.67	7,439.02	7,118.15	180.52	19.27	-89.29	-922.11	11,617.18	1,177.10	1,025.90	151.20	7.785	
18,100.00	7,243.80	7,439.41	7,118.54	182.18	19.28	-89.32	-922.11	11,617.18	1,104.74	945.30	159.44	6.929	
18,200.00	7,243.94	7,439.80	7,118.93	183.83	19.28	-89.35	-922.10	11,617.18	1,036.98	868.78	168.20	6.165	
18,300.00	7,244.07	7,440.19	7,119.32	185.49	19.29	-89.38	-922.10	11,617.18	974.79	797.46	177.33	5.497	
18,400.00	7,244.21	7,459.42	7,119.71	187.15	19.59	-89.41	-922.10	11,617.18	919.29	732.47	186.82	4.921	
18,500.00	7,244.34	7,459.03	7,120.11	188.81	19.59	-89.44	-922.10	11,617.19	871.77	676.17	195.60	4.457	
18,600.00	7,244.48	7,458.63	7,120.50	190.46	19.58	-89.46	-922.09	11,617.19	833.59	630.23	203.36	4.099	
18,700.00	7,244.61	7,458.24	7,120.89	192.12	19.57	-89.49	-922.09	11,617.19	806.07	596.69	209.39	3.850	
18,800.00	7,244.75	7,457.85	7,121.28	193.78	19.56	-89.52	-922.09	11,617.19	790.34	577.37	212.97	3.711	
18,875.58	7,244.85	7,457.56	7,121.58	195.03	19.56	-89.54	-922.08	11,617.19	786.72	572.95	213.77	3.680	CC, ES, SF
18,900.00	7,244.88	7,457.46	7,121.67	195.44	19.56	-89.55	-922.08	11,617.19	787.10	573.44	213.66	3.684	
19,000.00	7,245.02	7,457.07	7,122.06	197.10	19.55	-89.58	-922.08	11,617.19	796.50	585.15	211.34	3.769	
19,100.00	7,245.16	7,456.68	7,122.45	198.76	19.54	-89.61	-922.08	11,617.19	818.10	611.75	206.35	3.965	
19,200.00	7,245.29	7,456.29	7,122.84	200.41	19.53	-89.64	-922.07	11,617.19	850.98	651.68	199.30	4.270	
19,300.00	7,245.43	7,455.89	7,123.24	202.07	19.53	-89.66	-922.07	11,617.19	893.90	702.96	190.94	4.682	
19,400.00	7,245.56	7,455.50	7,123.63	203.73	19.52	-89.69	-922.07	11,617.19	945.48	763.55	181.93	5.197	
19,500.00	7,245.70	7,455.11	7,124.02	205.39	19.51	-89.72	-922.06	11,617.20	1,004.40	831.58	172.82	5.812	
19,600.00	7,245.83	7,454.72	7,124.41	207.05	19.51	-89.75	-922.06	11,617.20	1,069.44	905.48	163.96	6.522	
19,700.00	7,245.97	7,454.33	7,124.80	208.71	19.50	-89.78	-922.06	11,617.20	1,139.55	983.96	155.60	7.324	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-27 Offsets Incomplete (Need 1 Directional) - UPV 27-8H6 - Noble P&A Well - Actual VES Surv

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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,400.00	7,245.56	7,365.25	7,115.82	203.73	17.79	-89.02	-885.22	12,968.66	1,157.81	988.58	169.22	6.842	
19,500.00	7,245.70	7,359.84	7,110.43	205.39	17.78	-88.64	-885.59	12,968.95	1,088.58	910.11	178.48	6.099	
19,600.00	7,245.83	7,354.56	7,105.18	207.05	17.77	-88.27	-885.95	12,969.22	1,024.43	836.22	188.21	5.443	
19,700.00	7,245.97	7,349.42	7,100.05	208.71	17.77	-87.90	-886.30	12,969.48	966.37	768.19	198.18	4.876	
19,800.00	7,246.10	7,344.40	7,095.05	210.37	17.76	-87.55	-886.63	12,969.73	915.54	707.55	207.99	4.402	
19,900.00	7,246.24	7,339.51	7,090.18	212.03	17.75	-87.20	-886.97	12,969.98	873.22	656.12	217.10	4.022	
20,000.00	7,246.37	7,334.73	7,085.42	213.69	17.74	-86.86	-887.29	12,970.21	840.69	615.90	224.80	3.740	
20,100.00	7,246.51	7,330.07	7,080.77	215.35	17.73	-86.53	-887.60	12,970.44	819.13	588.79	230.34	3.556	
20,200.00	7,246.64	7,325.52	7,076.24	217.01	17.72	-86.21	-887.91	12,970.66	809.41	576.31	233.10	3.472	
20,229.32	7,246.68	7,324.21	7,074.93	217.50	17.72	-86.12	-888.00	12,970.72	808.88	575.56	233.32	3.467	CC, ES, SF
20,300.00	7,246.78	7,321.08	7,071.80	218.67	17.71	-85.90	-888.21	12,970.87	811.96	579.22	232.73	3.489	
20,400.00	7,246.92	7,316.73	7,067.48	220.34	17.70	-85.59	-888.50	12,971.07	826.66	597.36	229.30	3.605	
20,462.76	7,247.00	7,314.06	7,064.81	221.42	17.70	-85.40	-888.68	12,971.20	841.83	616.11	225.72	3.730	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,300.00	7,234.32	7,180.32	7,180.32	70.98	252.67	-89.88	-1,076.35	4,992.38	1,169.07	862.17	306.90	3.809	
11,400.00	7,234.47	7,180.47	7,180.47	72.56	252.67	-89.89	-1,076.35	4,992.38	1,090.14	780.03	310.11	3.515	
11,500.00	7,234.63	7,180.63	7,180.63	74.15	252.68	-89.91	-1,076.35	4,992.38	1,014.93	701.25	313.67	3.236	
11,600.00	7,234.78	7,180.78	7,180.78	75.74	252.68	-89.92	-1,076.35	4,992.38	944.33	626.75	317.58	2.974	
11,700.00	7,234.93	7,180.93	7,180.93	77.34	252.69	-89.93	-1,076.35	4,992.38	879.46	557.70	321.76	2.733	
11,800.00	7,235.09	7,181.09	7,181.09	78.94	252.69	-89.94	-1,076.35	4,992.38	821.66	495.58	326.08	2.520	
11,900.00	7,235.24	7,181.24	7,181.24	80.54	252.70	-89.96	-1,076.35	4,992.38	772.53	442.24	330.29	2.339	
12,000.00	7,235.39	7,181.39	7,181.39	82.14	252.70	-89.97	-1,076.35	4,992.38	733.82	399.77	334.05	2.197	
12,100.00	7,235.55	7,181.55	7,181.55	83.75	252.71	-89.98	-1,076.35	4,992.38	707.23	370.33	336.90	2.099	
12,200.00	7,235.70	7,181.70	7,181.70	85.36	252.71	-89.99	-1,076.35	4,992.38	694.16	355.73	338.43	2.051	
12,241.59	7,235.76	7,181.76	7,181.76	86.03	252.72	-90.00	-1,076.35	4,992.38	692.91	354.31	338.60	2.046	CC, ES, SF
12,300.00	7,235.85	7,181.85	7,181.85	86.97	252.72	-90.01	-1,076.35	4,992.38	695.37	356.99	338.38	2.055	
12,400.00	7,236.00	7,182.00	7,182.00	88.59	252.73	-90.02	-1,076.35	4,992.38	710.79	374.01	336.77	2.111	
12,500.00	7,236.16	7,182.16	7,182.16	90.20	252.73	-90.03	-1,076.35	4,992.38	739.53	405.63	333.90	2.215	
12,600.00	7,236.31	7,182.31	7,182.31	91.82	252.74	-90.05	-1,076.35	4,992.38	780.12	449.92	330.19	2.363	
12,700.00	7,236.46	7,182.46	7,182.46	93.44	252.74	-90.06	-1,076.35	4,992.38	830.82	504.74	326.08	2.548	
12,800.00	7,236.62	7,182.62	7,182.62	95.06	252.75	-90.07	-1,076.35	4,992.38	889.91	568.00	321.91	2.764	
12,900.00	7,236.76	7,182.76	7,182.76	96.68	252.75	-90.07	-1,076.35	4,992.38	955.38	637.51	317.88	3.006	
13,000.00	7,236.89	7,182.89	7,182.89	98.30	252.76	-90.08	-1,076.35	4,992.38	1,026.08	711.97	314.11	3.267	
13,100.00	7,237.03	7,183.03	7,183.03	99.93	252.76	-90.09	-1,076.35	4,992.38	1,101.33	790.64	310.69	3.545	
13,200.00	7,237.17	7,183.17	7,183.17	101.55	252.77	-90.11	-1,076.35	4,992.38	1,180.26	872.64	307.62	3.837	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.00	7,232.64	7,201.64	7,201.64	53.90	253.42	-89.94	-797.17	3,650.77	1,196.30	891.72	304.58	3.928	
10,300.00	7,232.79	7,201.79	7,201.79	55.42	253.43	-89.95	-797.17	3,650.77	1,140.70	833.73	306.98	3.716	
10,400.00	7,232.95	7,201.95	7,201.95	56.94	253.43	-89.95	-797.17	3,650.77	1,091.46	782.08	309.38	3.528	
10,500.00	7,233.10	7,202.10	7,202.10	58.48	253.44	-89.96	-797.17	3,650.77	1,049.46	737.76	311.70	3.367	
10,600.00	7,233.25	7,202.25	7,202.25	60.02	253.44	-89.97	-797.17	3,650.77	1,015.59	701.78	313.81	3.236	
10,700.00	7,233.40	7,202.40	7,202.40	61.57	253.45	-89.98	-797.17	3,650.77	990.71	675.11	315.60	3.139	
10,800.00	7,233.56	7,202.56	7,202.56	63.12	253.45	-89.99	-797.17	3,650.77	975.49	658.55	316.95	3.078	
10,899.62	7,233.71	7,202.71	7,202.71	64.68	253.46	-90.00	-797.17	3,650.77	970.39	652.64	317.75	3.054	CC
10,900.00	7,233.71	7,202.71	7,202.71	64.69	253.46	-90.00	-797.17	3,650.77	970.39	652.63	317.76	3.054	ES, SF
11,000.00	7,233.86	7,202.86	7,202.86	66.25	253.46	-90.01	-797.17	3,650.77	975.57	657.58	317.99	3.068	
11,100.00	7,234.02	7,203.02	7,203.02	67.82	253.47	-90.02	-797.17	3,650.77	990.86	673.21	317.65	3.119	
11,200.00	7,234.17	7,203.17	7,203.17	69.40	253.48	-90.03	-797.17	3,650.77	1,015.82	699.01	316.81	3.206	
11,300.00	7,234.32	7,203.32	7,203.32	70.98	253.48	-90.04	-797.17	3,650.77	1,049.74	734.18	315.56	3.327	
11,400.00	7,234.47	7,203.47	7,203.47	72.56	253.49	-90.05	-797.17	3,650.77	1,091.80	777.79	314.02	3.477	
11,500.00	7,234.63	7,203.63	7,203.63	74.15	253.49	-90.05	-797.17	3,650.77	1,141.10	828.81	312.29	3.654	
11,600.00	7,234.78	7,203.78	7,203.78	75.74	253.50	-90.06	-797.17	3,650.77	1,196.74	886.26	310.47	3.855	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,500.00	7,233.10	7,378.31	7,222.91	58.48	31.38	-94.77	-1,671.21	4,355.80	1,110.07	1,050.18	59.89	18.534	
10,600.00	7,233.25	7,377.70	7,222.30	60.02	31.38	-94.42	-1,671.20	4,355.80	1,010.50	950.19	60.31	16.756	
10,700.00	7,233.40	7,377.09	7,221.68	61.57	31.38	-94.06	-1,671.20	4,355.81	911.01	850.21	60.81	14.982	
10,800.00	7,233.56	7,376.47	7,221.07	63.12	31.38	-93.69	-1,671.19	4,355.81	811.66	750.22	61.43	13.212	
10,900.00	7,233.71	7,375.85	7,220.45	64.69	31.38	-93.33	-1,671.18	4,355.81	712.48	650.24	62.24	11.447	
11,000.00	7,233.86	7,375.23	7,219.82	66.25	31.38	-92.96	-1,671.17	4,355.82	613.57	550.25	63.32	9.690	
11,100.00	7,234.02	7,374.60	7,219.19	67.82	31.38	-92.59	-1,671.17	4,355.82	515.09	450.25	64.84	7.944	
11,200.00	7,234.17	7,373.97	7,218.56	69.40	31.37	-92.22	-1,671.16	4,355.83	417.32	350.21	67.10	6.219	
11,300.00	7,234.32	7,373.33	7,217.93	70.98	31.37	-91.85	-1,671.15	4,355.84	320.93	250.13	70.80	4.533	
11,400.00	7,234.47	7,372.69	7,217.29	72.56	31.37	-91.47	-1,671.14	4,355.84	227.67	150.20	77.47	2.939	
11,500.00	7,234.63	7,372.05	7,216.64	74.15	31.37	-91.09	-1,671.14	4,355.85	143.77	53.56	90.21	1.594	
11,600.00	7,234.78	7,371.40	7,216.00	75.74	31.37	-90.71	-1,671.13	4,355.85	97.50	-0.86	98.36	0.991	Level 1, ES, SF
11,605.82	7,234.79	7,371.37	7,215.96	75.84	31.37	-90.69	-1,671.13	4,355.85	97.33	-0.21	97.54	0.998	Level 1, CC
11,700.00	7,234.93	7,370.75	7,215.35	77.34	31.37	-90.33	-1,671.12	4,355.86	135.44	60.40	75.04	1.805	
11,800.00	7,235.09	7,370.10	7,214.69	78.94	31.37	-89.94	-1,671.11	4,355.86	217.21	155.73	61.48	3.533	
11,900.00	7,235.24	7,369.44	7,214.03	80.54	31.37	-89.56	-1,671.10	4,355.87	309.86	252.98	56.88	5.447	
12,000.00	7,235.39	7,368.78	7,213.37	82.14	31.37	-89.17	-1,671.10	4,355.87	406.01	350.60	55.42	7.327	
12,100.00	7,235.55	7,368.11	7,212.71	83.75	31.36	-88.77	-1,671.09	4,355.88	503.67	448.64	55.03	9.153	
12,200.00	7,235.70	7,367.44	7,212.04	85.36	31.36	-88.38	-1,671.08	4,355.88	602.09	547.06	55.03	10.942	
12,300.00	7,235.85	7,366.77	7,211.36	86.97	31.36	-87.98	-1,671.07	4,355.89	700.96	645.78	55.17	12.704	
12,400.00	7,236.00	7,366.09	7,210.68	88.59	31.36	-87.59	-1,671.06	4,355.89	800.11	744.73	55.37	14.449	
12,500.00	7,236.16	7,365.41	7,210.00	90.20	31.36	-87.18	-1,671.05	4,355.90	899.44	843.86	55.59	16.181	
12,600.00	7,236.31	7,364.72	7,209.31	91.82	31.36	-86.78	-1,671.05	4,355.91	998.91	943.11	55.80	17.901	
12,700.00	7,236.46	7,364.03	7,208.62	93.44	31.36	-86.38	-1,671.04	4,355.91	1,098.48	1,042.47	56.01	19.613	
12,800.00	7,236.62	7,363.33	7,207.93	95.06	31.36	-85.97	-1,671.03	4,355.92	1,198.12	1,141.91	56.21	21.316	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,200.00	7,231.11	7,446.76	7,221.37	39.44	37.39	-96.39	-1,690.98	3,104.82	1,157.35	1,099.07	58.28	19.858	
9,300.00	7,231.26	7,446.14	7,220.75	40.80	37.39	-95.92	-1,690.97	3,104.83	1,057.59	999.21	58.38	18.117	
9,400.00	7,231.42	7,445.52	7,220.13	42.19	37.39	-95.46	-1,690.96	3,104.83	957.87	899.39	58.49	16.377	
9,500.00	7,231.57	7,444.89	7,219.50	43.60	37.39	-94.99	-1,690.95	3,104.84	858.23	799.60	58.62	14.639	
9,600.00	7,231.72	7,444.26	7,218.87	45.03	37.39	-94.51	-1,690.94	3,104.84	758.68	699.88	58.79	12.904	
9,700.00	7,231.88	7,443.63	7,218.24	46.48	37.39	-94.04	-1,690.93	3,104.85	659.26	600.24	59.01	11.171	
9,800.00	7,232.03	7,442.99	7,217.60	47.94	37.39	-93.56	-1,690.92	3,104.85	560.04	500.73	59.32	9.442	
9,900.00	7,232.18	7,442.35	7,216.96	49.41	37.39	-93.08	-1,690.91	3,104.86	461.17	401.41	59.76	7.717	
10,000.00	7,232.33	7,441.70	7,216.31	50.90	37.38	-92.59	-1,690.90	3,104.86	362.92	302.43	60.49	6.000	
10,100.00	7,232.49	7,441.05	7,215.66	52.39	37.38	-92.10	-1,690.89	3,104.87	265.96	204.13	61.84	4.301	
10,200.00	7,232.64	7,440.40	7,215.01	53.90	37.38	-91.61	-1,690.88	3,104.88	172.52	107.58	64.93	2.657	
10,300.00	7,232.79	7,439.74	7,214.35	55.42	37.38	-91.11	-1,690.87	3,104.88	93.74	18.83	74.92	1.251	Level 3
10,354.88	7,232.88	7,439.38	7,213.99	56.26	37.38	-90.84	-1,690.87	3,104.88	76.01	-9.07	85.08	0.893	Level 1, CC, ES, SF
10,400.00	7,232.95	7,439.08	7,213.69	56.94	37.38	-90.61	-1,690.87	3,104.89	88.39	7.30	81.10	1.090	Level 2
10,500.00	7,233.10	7,438.41	7,213.02	58.48	37.38	-90.11	-1,690.86	3,104.89	163.82	98.83	64.99	2.521	
10,600.00	7,233.25	7,437.74	7,212.35	60.02	37.38	-89.60	-1,690.85	3,104.90	256.63	196.31	60.32	4.255	
10,700.00	7,233.40	7,437.07	7,211.68	61.57	37.38	-89.10	-1,690.84	3,104.90	353.39	294.39	58.99	5.990	
10,800.00	7,233.56	7,436.39	7,211.00	63.12	37.38	-88.59	-1,690.83	3,104.91	451.56	393.01	58.55	7.712	
10,900.00	7,233.71	7,435.71	7,210.32	64.69	37.37	-88.07	-1,690.82	3,104.91	550.39	491.99	58.40	9.425	
11,000.00	7,233.86	7,435.02	7,209.63	66.25	37.37	-87.56	-1,690.81	3,104.92	649.57	591.21	58.36	11.131	
11,100.00	7,234.02	7,434.33	7,208.94	67.82	37.37	-87.04	-1,690.80	3,104.93	748.98	690.60	58.37	12.831	
11,200.00	7,234.17	7,433.63	7,208.24	69.40	37.37	-86.51	-1,690.79	3,104.93	848.52	790.11	58.41	14.526	
11,300.00	7,234.32	7,432.93	7,207.54	70.98	37.37	-85.99	-1,690.78	3,104.94	948.16	889.69	58.47	16.217	
11,400.00	7,234.47	7,432.23	7,206.84	72.56	37.37	-85.46	-1,690.77	3,104.94	1,047.86	989.33	58.53	17.904	
11,500.00	7,234.63	7,431.52	7,206.13	74.15	37.37	-84.93	-1,690.75	3,104.95	1,147.62	1,089.03	58.59	19.586	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-28 Offsets - MOSSBERG A-28 - Noble P&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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,700.00	7,236.46	7,146.46	7,146.46	93.44	251.47	89.86	-2,365.99	6,403.39	1,124.51	827.19	297.31	3.782	
12,800.00	7,236.62	7,146.62	7,146.62	95.06	251.47	89.87	-2,365.99	6,403.39	1,040.99	739.33	301.66	3.451	
12,900.00	7,236.76	7,146.76	7,146.76	96.68	251.48	89.90	-2,365.99	6,403.39	961.03	654.21	306.82	3.132	
13,000.00	7,236.89	7,146.89	7,146.89	98.30	251.48	89.92	-2,365.99	6,403.39	885.49	572.63	312.87	2.830	
13,100.00	7,237.03	7,147.03	7,147.03	99.93	251.49	89.93	-2,365.99	6,403.39	815.24	495.44	319.81	2.549	
13,200.00	7,237.17	7,147.17	7,147.17	101.55	251.49	89.94	-2,365.99	6,403.39	751.76	424.18	327.58	2.295	
13,300.00	7,237.30	7,147.30	7,147.30	103.18	251.50	89.96	-2,365.99	6,403.39	696.90	360.94	335.96	2.074	
13,400.00	7,237.44	7,147.44	7,147.44	104.81	251.50	89.97	-2,365.99	6,403.39	652.83	308.41	344.43	1.895	
13,500.00	7,237.57	7,147.57	7,147.57	106.43	251.51	89.98	-2,365.99	6,403.39	621.87	269.69	352.18	1.766	
13,600.00	7,237.71	7,147.71	7,147.71	108.06	251.51	89.99	-2,365.99	6,403.39	606.00	247.78	358.22	1.692	
13,647.38	7,237.77	7,147.77	7,147.77	108.84	251.51	90.00	-2,365.99	6,403.39	604.15	243.91	360.24	1.677	CC, ES
13,700.00	7,237.84	7,147.84	7,147.84	109.70	251.51	90.01	-2,365.99	6,403.39	606.44	244.68	361.75	1.676	SF
13,800.00	7,237.98	7,147.98	7,147.98	111.33	251.52	90.02	-2,365.99	6,403.39	623.13	260.64	362.49	1.719	
13,900.00	7,238.11	7,148.11	7,148.11	112.96	251.52	90.03	-2,365.99	6,403.39	654.84	294.06	360.78	1.815	
14,000.00	7,238.25	7,148.25	7,148.25	114.60	251.53	90.05	-2,365.99	6,403.39	699.53	342.16	357.36	1.957	
14,100.00	7,238.38	7,148.38	7,148.38	116.23	251.53	90.06	-2,365.99	6,403.39	754.89	401.87	353.02	2.138	
14,200.00	7,238.52	7,148.52	7,148.52	117.87	251.54	90.07	-2,365.99	6,403.39	818.77	470.42	348.35	2.350	
14,300.00	7,238.66	7,148.66	7,148.66	119.51	251.54	90.08	-2,365.99	6,403.39	889.33	545.59	343.74	2.587	
14,400.00	7,238.79	7,148.79	7,148.79	121.15	251.55	90.10	-2,365.99	6,403.39	965.11	625.70	339.41	2.844	
14,500.00	7,238.93	7,148.93	7,148.93	122.78	251.55	90.11	-2,365.99	6,403.39	1,044.97	709.54	335.43	3.115	
14,600.00	7,239.06	7,149.06	7,149.06	124.42	251.56	90.12	-2,365.99	6,403.39	1,128.04	796.20	331.85	3.399	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-28 Offsets - MOSSBERG PM J 28-9 - Noble SI Well - Actual VES Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7300-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	7,238.11	7,129.87	7,129.54	112.96	15.52	87.83	-2,249.73	7,735.80	1,191.68	1,132.01	59.67	19.971	
14,000.00	7,238.25	7,131.60	7,131.28	114.60	15.52	88.02	-2,249.74	7,735.83	1,101.78	1,038.20	63.59	17.327	
14,100.00	7,238.38	7,133.30	7,132.97	116.23	15.53	88.22	-2,249.75	7,735.85	1,013.78	945.49	68.29	14.845	
14,200.00	7,238.52	7,134.96	7,134.63	117.87	15.53	88.41	-2,249.75	7,735.87	928.20	854.27	73.93	12.554	
14,300.00	7,238.66	7,136.58	7,136.25	119.51	15.53	88.59	-2,249.76	7,735.89	845.79	765.10	80.69	10.482	
14,400.00	7,238.79	7,138.17	7,137.84	121.15	15.54	88.77	-2,249.77	7,735.92	767.57	678.83	88.74	8.650	
14,500.00	7,238.93	7,139.72	7,139.40	122.78	15.54	88.95	-2,249.77	7,735.94	694.95	596.77	98.18	7.078	
14,600.00	7,239.06	7,141.25	7,140.92	124.42	15.54	89.12	-2,249.78	7,735.96	629.88	520.93	108.95	5.781	
14,700.00	7,239.20	7,142.74	7,142.41	126.07	15.54	89.30	-2,249.79	7,735.98	574.92	454.34	120.59	4.768	
14,800.00	7,239.33	7,144.20	7,143.87	127.71	15.55	89.46	-2,249.79	7,736.00	533.22	401.21	132.00	4.039	
14,900.00	7,239.47	7,145.63	7,145.30	129.35	15.55	89.63	-2,249.80	7,736.01	508.04	366.63	141.41	3.593	
14,981.13	7,239.58	7,146.76	7,146.44	130.68	15.55	89.76	-2,249.80	7,736.03	501.52	355.29	146.23	3.430	CC
15,000.00	7,239.60	7,147.03	7,146.70	130.99	15.55	89.79	-2,249.80	7,736.03	501.87	354.97	146.90	3.416	ES, SF
15,100.00	7,239.74	7,148.40	7,148.07	132.64	15.56	89.94	-2,249.81	7,736.05	515.41	367.88	147.53	3.494	
15,200.00	7,239.87	7,149.75	7,149.42	134.28	15.56	90.10	-2,249.81	7,736.07	547.19	403.26	143.93	3.802	
15,300.00	7,240.01	7,151.07	7,150.74	135.93	15.56	90.25	-2,249.82	7,736.08	594.29	456.61	137.68	4.316	
15,400.00	7,240.14	7,152.36	7,152.03	137.57	15.56	90.39	-2,249.83	7,736.10	653.40	523.05	130.35	5.013	
15,500.00	7,240.28	7,153.63	7,153.30	139.22	15.57	90.54	-2,249.83	7,736.11	721.59	598.59	123.00	5.867	
15,600.00	7,240.42	7,154.88	7,154.55	140.87	15.57	90.68	-2,249.84	7,736.13	796.52	680.36	116.17	6.857	
15,700.00	7,240.55	7,156.10	7,155.77	142.51	15.57	90.82	-2,249.84	7,736.14	876.47	766.41	110.06	7.964	
15,800.00	7,240.69	7,157.30	7,156.97	144.16	15.57	90.96	-2,249.85	7,736.16	960.18	855.49	104.69	9.171	
15,900.00	7,240.82	7,158.47	7,158.14	145.81	15.58	91.09	-2,249.85	7,736.17	1,046.75	946.73	100.02	10.465	
16,000.00	7,240.96	7,159.63	7,159.30	147.46	15.58	91.22	-2,249.86	7,736.18	1,135.53	1,039.56	95.97	11.832	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-28 Offsets - WIEDEMAN 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	7,238.25	7,166.25	7,166.25	114.60	252.17	-89.89	-1,070.55	7,702.83	1,175.23	844.02	331.21	3.548	
14,100.00	7,238.38	7,166.38	7,166.38	116.23	252.17	-89.90	-1,070.55	7,702.83	1,095.07	758.78	336.29	3.256	
14,200.00	7,238.52	7,166.52	7,166.52	117.87	252.18	-89.91	-1,070.55	7,702.83	1,018.43	676.50	341.92	2.979	
14,300.00	7,238.66	7,166.66	7,166.66	119.51	252.18	-89.92	-1,070.55	7,702.83	946.15	598.06	348.10	2.718	
14,400.00	7,238.79	7,166.79	7,166.79	121.15	252.19	-89.94	-1,070.55	7,702.83	879.33	524.60	354.73	2.479	
14,500.00	7,238.93	7,166.93	7,166.93	122.78	252.19	-89.95	-1,070.55	7,702.83	819.29	457.66	361.63	2.266	
14,600.00	7,239.06	7,167.06	7,167.06	124.42	252.20	-89.96	-1,070.55	7,702.83	767.63	399.19	368.44	2.083	
14,700.00	7,239.20	7,167.20	7,167.20	126.07	252.20	-89.97	-1,070.55	7,702.83	726.13	351.53	374.61	1.938	
14,800.00	7,239.33	7,167.33	7,167.33	127.71	252.21	-89.98	-1,070.55	7,702.83	696.62	317.21	379.41	1.836	
14,900.00	7,239.47	7,167.47	7,167.47	129.35	252.21	-89.99	-1,070.55	7,702.83	680.66	298.52	382.14	1.781	
14,959.92	7,239.55	7,167.55	7,167.55	130.33	252.21	-90.00	-1,070.55	7,702.83	678.02	295.47	382.55	1.772	CC, ES, SF
15,000.00	7,239.60	7,167.60	7,167.60	130.99	252.22	-90.00	-1,070.55	7,702.83	679.20	296.91	382.29	1.777	
15,100.00	7,239.74	7,167.74	7,167.74	132.64	252.22	-90.02	-1,070.55	7,702.83	692.34	312.51	379.83	1.823	
15,200.00	7,239.87	7,167.87	7,167.87	134.28	252.22	-90.03	-1,070.55	7,702.83	719.27	344.07	375.19	1.917	
15,300.00	7,240.01	7,168.01	7,168.01	135.93	252.23	-90.04	-1,070.55	7,702.83	758.53	389.44	369.09	2.055	
15,400.00	7,240.14	7,168.14	7,168.14	137.57	252.23	-90.05	-1,070.55	7,702.83	808.32	446.07	362.25	2.231	
15,500.00	7,240.28	7,168.28	7,168.28	139.22	252.24	-90.06	-1,070.55	7,702.83	866.83	511.56	355.27	2.440	
15,600.00	7,240.42	7,168.42	7,168.42	140.87	252.24	-90.07	-1,070.55	7,702.83	932.42	583.88	348.54	2.675	
15,700.00	7,240.55	7,168.55	7,168.55	142.51	252.25	-90.08	-1,070.55	7,702.83	1,003.71	661.42	342.28	2.932	
15,800.00	7,240.69	7,168.69	7,168.69	144.16	252.25	-90.10	-1,070.55	7,702.83	1,079.56	742.97	336.58	3.207	
15,900.00	7,240.82	7,168.82	7,168.82	145.81	252.26	-90.11	-1,070.55	7,702.83	1,159.08	827.61	331.47	3.497	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,100.00	7,235.55	7,453.12	7,183.32	83.75	41.17	-86.77	-1,683.21	5,959.21	1,112.62	1,048.56	64.06	17.368	
12,200.00	7,235.70	7,453.52	7,183.72	85.36	41.17	-87.04	-1,683.21	5,959.21	1,012.96	948.51	64.44	15.718	
12,300.00	7,235.85	7,453.92	7,184.12	86.97	41.17	-87.30	-1,683.20	5,959.21	913.37	848.46	64.91	14.071	
12,400.00	7,236.00	7,454.32	7,184.52	88.59	41.17	-87.56	-1,683.20	5,959.21	813.89	748.39	65.49	12.427	
12,500.00	7,236.16	7,454.71	7,184.91	90.20	41.17	-87.82	-1,683.20	5,959.21	714.54	648.29	66.25	10.785	
12,600.00	7,236.31	7,455.11	7,185.31	91.82	41.17	-88.08	-1,683.20	5,959.21	615.41	548.13	67.28	9.146	
12,700.00	7,236.46	7,455.50	7,185.70	93.44	41.17	-88.33	-1,683.19	5,959.21	516.62	447.86	68.76	7.513	
12,800.00	7,236.62	7,455.89	7,186.09	95.06	41.17	-88.59	-1,683.19	5,959.21	418.40	347.37	71.03	5.890	
12,900.00	7,236.76	7,456.28	7,186.48	96.68	41.17	-88.83	-1,683.19	5,959.21	321.12	246.35	74.77	4.295	
13,000.00	7,236.89	7,456.65	7,186.85	98.30	41.17	-89.09	-1,683.19	5,959.21	226.01	144.13	81.88	2.760	
13,100.00	7,237.03	7,457.03	7,187.23	99.93	41.17	-89.35	-1,683.18	5,959.21	138.02	39.29	98.73	1.398	Level 3
13,200.00	7,237.17	7,457.41	7,187.61	101.55	41.17	-89.61	-1,683.18	5,959.22	83.76	-50.46	134.22	0.624	Level 1
13,210.17	7,237.18	7,457.44	7,187.64	101.72	41.17	-89.63	-1,683.18	5,959.22	83.14	-52.40	135.54	0.613	Level 1, CC, ES, SF
13,300.00	7,237.30	7,457.78	7,187.98	103.18	41.17	-89.86	-1,683.18	5,959.22	122.40	16.94	105.45	1.161	Level 2
13,400.00	7,237.44	7,458.15	7,188.35	104.81	41.17	-90.12	-1,683.18	5,959.22	207.24	128.21	79.03	2.622	
13,500.00	7,237.57	7,458.52	7,188.72	106.43	41.17	-90.38	-1,683.17	5,959.22	301.52	232.17	69.34	4.348	
13,600.00	7,237.71	7,458.89	7,189.09	108.06	41.18	-90.63	-1,683.17	5,959.22	398.60	333.05	65.54	6.081	
13,700.00	7,237.84	7,459.26	7,189.46	109.70	41.18	-90.88	-1,683.17	5,959.22	496.83	432.91	63.92	7.773	
13,800.00	7,237.98	7,459.63	7,189.83	111.33	41.18	-91.14	-1,683.17	5,959.22	595.66	532.47	63.19	9.427	
13,900.00	7,238.11	7,459.99	7,190.20	112.96	41.18	-91.39	-1,683.16	5,959.22	694.82	631.95	62.86	11.053	
14,000.00	7,238.25	7,460.36	7,190.56	114.60	41.18	-91.64	-1,683.16	5,959.22	794.19	731.45	62.74	12.658	
14,100.00	7,238.38	7,460.72	7,190.92	116.23	41.18	-91.89	-1,683.16	5,959.22	893.70	830.98	62.72	14.248	
14,200.00	7,238.52	7,461.08	7,191.28	117.87	41.18	-92.14	-1,683.16	5,959.22	993.31	930.54	62.77	15.825	
14,300.00	7,238.66	7,461.44	7,191.65	119.51	41.18	-92.39	-1,683.15	5,959.22	1,092.99	1,030.15	62.84	17.392	
14,400.00	7,238.79	7,461.80	7,192.00	121.15	41.18	-92.63	-1,683.15	5,959.23	1,192.72	1,129.79	62.94	18.951	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,200.00	7,237.17	7,289.17	7,162.69	101.55	30.91	-81.35	-1,578.19	7,037.61	1,104.17	1,035.36	68.81	16.046	
13,300.00	7,237.30	7,291.07	7,164.59	103.18	30.91	-81.95	-1,578.14	7,037.64	1,005.63	935.45	70.18	14.330	
13,400.00	7,237.44	7,293.00	7,166.52	104.81	30.91	-82.57	-1,578.09	7,037.68	907.40	835.54	71.86	12.627	
13,500.00	7,237.57	7,294.96	7,168.48	106.43	30.92	-83.19	-1,578.04	7,037.72	809.59	735.62	73.98	10.944	
13,600.00	7,237.71	7,296.95	7,170.46	108.06	30.92	-83.83	-1,577.99	7,037.76	712.40	635.70	76.70	9.288	
13,700.00	7,237.84	7,298.97	7,172.48	109.70	30.92	-84.48	-1,577.94	7,037.80	616.09	535.77	80.31	7.671	
13,800.00	7,237.98	7,301.02	7,174.54	111.33	30.92	-85.14	-1,577.89	7,037.84	521.16	435.90	85.27	6.112	
13,900.00	7,238.11	7,303.11	7,176.62	112.96	30.93	-85.81	-1,577.83	7,037.88	428.54	336.23	92.31	4.642	
14,000.00	7,238.25	7,305.23	7,178.74	114.60	30.93	-86.49	-1,577.78	7,037.92	340.12	237.45	102.67	3.313	
14,100.00	7,238.38	7,307.39	7,180.90	116.23	30.93	-87.18	-1,577.72	7,037.97	260.19	142.35	117.84	2.208	
14,200.00	7,238.52	7,309.58	7,183.09	117.87	30.93	-87.89	-1,577.67	7,038.01	199.27	63.03	136.24	1.463	Level 3
14,290.02	7,238.64	7,311.58	7,185.09	119.34	30.93	-88.53	-1,577.62	7,038.05	177.79	35.02	142.77	1.245	Level 2, CC, ES, SF
14,300.00	7,238.66	7,311.81	7,185.31	119.51	30.93	-88.61	-1,577.61	7,038.06	178.07	35.94	142.13	1.253	Level 3
14,400.00	7,238.79	7,314.07	7,187.58	121.15	30.94	-89.33	-1,577.55	7,038.10	209.04	85.36	123.69	1.690	
14,500.00	7,238.93	7,316.37	7,189.88	122.78	30.94	-90.08	-1,577.49	7,038.15	275.10	173.56	101.53	2.709	
14,600.00	7,239.06	7,318.72	7,192.22	124.42	30.94	-90.83	-1,577.43	7,038.20	357.28	271.01	86.27	4.141	
14,700.00	7,239.20	7,321.10	7,194.60	126.07	30.94	-91.60	-1,577.37	7,038.25	446.77	370.04	76.74	5.822	
14,800.00	7,239.33	7,323.53	7,197.03	127.71	30.95	-92.38	-1,577.31	7,038.31	539.96	469.20	70.76	7.631	
14,900.00	7,239.47	7,325.99	7,199.49	129.35	30.95	-93.17	-1,577.24	7,038.36	635.21	568.27	66.94	9.489	
15,000.00	7,239.60	7,328.51	7,202.00	130.99	30.95	-93.97	-1,577.18	7,038.42	731.72	667.27	64.45	11.353	
15,100.00	7,239.74	7,331.06	7,204.56	132.64	30.95	-94.78	-1,577.11	7,038.47	829.05	766.24	62.81	13.199	
15,200.00	7,239.87	7,333.67	7,207.16	134.28	30.96	-95.61	-1,577.04	7,038.53	926.94	865.22	61.72	15.018	
15,300.00	7,240.01	7,336.32	7,209.81	135.93	30.96	-96.45	-1,576.97	7,038.59	1,025.24	964.24	61.00	16.808	
15,400.00	7,240.14	7,336.62	7,210.12	137.57	30.96	-96.55	-1,576.97	7,038.57	1,123.85	1,063.35	60.50	18.576	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-28 Offsets - WIEDEMAN-PM J28-7 - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,700.00	7,236.46	7,183.46	7,183.46	93.44	252.78	-89.91	-967.50	6,257.03	1,138.06	809.46	328.60	3.463	
12,800.00	7,236.62	7,183.62	7,183.62	95.06	252.78	-89.92	-967.50	6,257.03	1,069.56	736.42	333.14	3.211	
12,900.00	7,236.76	7,183.76	7,183.76	96.68	252.79	-89.94	-967.50	6,257.03	1,005.85	667.96	337.89	2.977	
13,000.00	7,236.89	7,183.89	7,183.89	98.30	252.79	-89.95	-967.50	6,257.03	948.00	605.25	342.75	2.766	
13,100.00	7,237.03	7,184.03	7,184.03	99.93	252.80	-89.96	-967.50	6,257.03	897.58	550.06	347.52	2.583	
13,200.00	7,237.17	7,184.17	7,184.17	101.55	252.80	-89.97	-967.50	6,257.03	855.92	504.00	351.92	2.432	
13,300.00	7,237.30	7,184.30	7,184.30	103.18	252.81	-89.98	-967.50	6,257.03	824.35	468.75	355.60	2.318	
13,400.00	7,237.44	7,184.44	7,184.44	104.81	252.81	-89.99	-967.50	6,257.03	804.06	445.88	358.17	2.245	
13,500.00	7,237.57	7,184.57	7,184.57	106.43	252.82	-90.00	-967.50	6,257.03	795.90	436.56	359.34	2.215	
13,515.24	7,237.59	7,184.59	7,184.59	106.68	252.82	-90.00	-967.50	6,257.03	795.75	436.38	359.38	2.214	CC, ES, SF
13,600.00	7,237.71	7,184.71	7,184.71	108.06	252.82	-90.01	-967.50	6,257.03	800.26	441.31	358.95	2.229	
13,700.00	7,237.84	7,184.84	7,184.84	109.70	252.83	-90.02	-967.50	6,257.03	816.92	459.85	357.07	2.288	
13,800.00	7,237.98	7,184.98	7,184.98	111.33	252.83	-90.03	-967.50	6,257.03	845.17	491.20	353.97	2.388	
13,900.00	7,238.11	7,185.11	7,185.11	112.96	252.84	-90.04	-967.50	6,257.03	883.89	533.89	350.00	2.525	
14,000.00	7,238.25	7,185.25	7,185.25	114.60	252.84	-90.05	-967.50	6,257.03	931.78	586.24	345.54	2.697	
14,100.00	7,238.38	7,185.38	7,185.38	116.23	252.84	-90.06	-967.50	6,257.03	987.51	646.61	340.90	2.897	
14,200.00	7,238.52	7,185.52	7,185.52	117.87	252.85	-90.07	-967.50	6,257.03	1,049.82	713.51	336.31	3.122	
14,300.00	7,238.66	7,185.66	7,185.66	119.51	252.85	-90.08	-967.50	6,257.03	1,117.62	785.69	331.93	3.367	
14,400.00	7,238.79	7,185.79	7,185.79	121.15	252.86	-90.09	-967.50	6,257.03	1,189.97	862.14	327.83	3.630	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-28 Offsets - WIEST 28-11H6 - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,400.00	7,234.47	7,155.47	7,155.47	72.56	251.79	89.91	-2,602.01	4,999.38	1,190.31	891.91	298.40	3.989	
11,500.00	7,234.63	7,155.63	7,155.63	74.15	251.79	89.92	-2,602.01	4,999.38	1,121.04	818.56	302.48	3.706	
11,600.00	7,234.78	7,155.78	7,155.78	75.74	251.80	89.93	-2,602.01	4,999.38	1,056.71	749.70	307.01	3.442	
11,700.00	7,234.93	7,155.93	7,155.93	77.34	251.80	89.94	-2,602.01	4,999.38	998.27	686.34	311.93	3.200	
11,800.00	7,235.09	7,156.09	7,156.09	78.94	251.81	89.95	-2,602.01	4,999.38	946.80	629.67	317.13	2.986	
11,900.00	7,235.24	7,156.24	7,156.24	80.54	251.81	89.96	-2,602.01	4,999.38	903.51	581.07	322.44	2.802	
12,000.00	7,235.39	7,156.39	7,156.39	82.14	251.82	89.97	-2,602.01	4,999.38	869.61	542.01	327.60	2.655	
12,100.00	7,235.55	7,156.55	7,156.55	83.75	251.82	89.98	-2,602.01	4,999.38	846.24	513.93	332.31	2.547	
12,200.00	7,235.70	7,156.70	7,156.70	85.36	251.83	89.99	-2,602.01	4,999.38	834.28	498.03	336.25	2.481	
12,250.52	7,235.78	7,156.78	7,156.78	86.18	251.83	90.00	-2,602.01	4,999.38	832.74	494.88	337.86	2.465	CC, ES
12,300.00	7,235.85	7,156.85	7,156.85	86.97	251.83	90.01	-2,602.01	4,999.38	834.21	495.05	339.17	2.460	SF
12,400.00	7,236.00	7,157.00	7,157.00	88.59	251.84	90.02	-2,602.01	4,999.38	846.05	505.13	340.92	2.482	
12,500.00	7,236.16	7,157.16	7,157.16	90.20	251.84	90.03	-2,602.01	4,999.38	869.31	527.77	341.54	2.545	
12,600.00	7,236.31	7,157.31	7,157.31	91.82	251.85	90.04	-2,602.01	4,999.38	903.11	561.94	341.16	2.647	
12,700.00	7,236.46	7,157.46	7,157.46	93.44	251.86	90.05	-2,602.01	4,999.38	946.31	606.30	340.01	2.783	
12,800.00	7,236.62	7,157.62	7,157.62	95.06	251.86	90.06	-2,602.01	4,999.38	997.69	659.39	338.30	2.949	
12,900.00	7,236.76	7,157.76	7,157.76	96.68	251.87	90.06	-2,602.01	4,999.38	1,056.56	720.28	336.28	3.142	
13,000.00	7,236.89	7,157.89	7,157.89	98.30	251.87	90.07	-2,602.01	4,999.38	1,121.66	787.56	334.10	3.357	
13,100.00	7,237.03	7,158.03	7,158.03	99.93	251.88	90.08	-2,602.01	4,999.38	1,191.60	859.72	331.87	3.591	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-28 Offsets - WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Surveys

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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,300.00	7,231.26	6,932.83	6,834.92	40.80	33.69	28.75	-1,973.06	3,090.68	1,125.34	1,070.12	55.22	20.380	
9,400.00	7,231.42	6,946.04	6,847.28	42.19	33.68	29.52	-1,972.77	3,095.33	1,033.37	978.25	55.12	18.747	
9,500.00	7,231.57	6,966.00	6,865.75	43.60	33.68	30.75	-1,972.22	3,102.87	942.52	887.42	55.11	17.104	
9,600.00	7,231.72	6,966.00	6,865.75	45.03	33.68	30.75	-1,972.22	3,102.87	853.12	798.11	55.01	15.510	
9,700.00	7,231.88	6,995.31	6,892.39	46.48	33.66	32.69	-1,971.31	3,115.04	765.07	709.84	55.23	13.852	
9,800.00	7,232.03	7,013.00	6,908.16	47.94	33.65	33.96	-1,970.76	3,123.04	679.30	623.76	55.55	12.229	
9,900.00	7,232.18	7,039.81	6,931.57	49.41	33.63	36.00	-1,969.89	3,136.09	596.19	539.97	56.22	10.605	
10,000.00	7,232.33	7,061.00	6,949.60	50.90	33.62	37.73	-1,969.16	3,147.18	516.63	459.29	57.34	9.010	
10,100.00	7,232.49	7,099.43	6,981.10	52.39	33.59	41.11	-1,967.59	3,169.14	441.52	382.26	59.26	7.450	
10,200.00	7,232.64	7,136.50	7,009.81	53.90	33.56	44.67	-1,965.87	3,192.50	372.64	310.35	62.29	5.982	
10,300.00	7,232.79	7,179.30	7,040.84	55.42	33.52	49.22	-1,964.37	3,221.93	312.26	245.32	66.94	4.665	
10,400.00	7,232.95	7,231.21	7,075.32	56.94	33.47	55.39	-1,963.86	3,260.71	263.54	189.99	73.55	3.583	
10,500.00	7,233.10	7,301.95	7,117.28	58.48	33.41	64.44	-1,963.50	3,317.61	227.99	146.71	81.28	2.805	
10,600.00	7,233.25	7,379.20	7,156.59	60.02	33.38	74.30	-1,961.83	3,384.04	205.04	116.56	88.48	2.317	
10,700.00	7,233.40	7,464.86	7,189.73	61.57	33.40	83.56	-1,959.47	3,462.91	193.82	100.46	93.35	2.076	
10,800.00	7,233.56	7,560.01	7,213.03	63.12	33.83	90.44	-1,956.40	3,555.01	189.04	92.91	96.13	1.967	
10,900.00	7,233.71	7,656.37	7,224.22	64.69	34.99	93.83	-1,954.65	3,650.65	187.51	88.79	98.72	1.899	
10,930.56	7,233.76	7,685.99	7,226.07	65.16	35.41	94.38	-1,954.48	3,680.22	187.43	87.85	99.58	1.882	
11,000.00	7,233.86	7,755.14	7,228.98	66.25	36.52	95.24	-1,954.46	3,749.30	187.56	85.94	101.62	1.846	
11,100.00	7,234.02	7,856.63	7,230.07	67.82	38.32	95.53	-1,954.42	3,850.78	187.48	82.64	104.85	1.788	
11,200.00	7,234.17	7,956.49	7,227.57	69.40	40.31	94.73	-1,954.04	3,950.61	186.74	78.17	108.57	1.720	
11,300.00	7,234.32	8,057.14	7,225.13	70.98	42.48	93.94	-1,953.80	4,051.22	186.19	73.74	112.45	1.656	
11,400.00	7,234.47	8,158.14	7,222.07	72.56	44.83	92.97	-1,953.00	4,152.18	185.08	68.58	116.50	1.589	
11,500.00	7,234.63	8,258.66	7,219.32	74.15	47.29	92.09	-1,951.74	4,252.65	183.57	62.90	120.67	1.521	
11,571.96	7,234.74	8,327.66	7,217.86	75.30	49.06	91.60	-1,951.25	4,321.64	182.91	59.11	123.80	1.477	Level 3
11,600.00	7,234.78	8,354.39	7,217.47	75.74	49.75	91.47	-1,951.39	4,348.35	183.01	58.00	125.01	1.464	Level 3
11,700.00	7,234.93	8,449.35	7,216.29	77.34	52.29	91.04	-1,953.51	4,443.28	185.09	55.73	129.36	1.431	Level 3
11,800.00	7,235.09	8,543.39	7,214.89	78.94	54.87	90.55	-1,958.35	4,537.19	190.08	56.40	133.69	1.422	Level 3
11,900.00	7,235.24	8,649.18	7,215.23	80.54	57.84	90.59	-1,964.09	4,642.80	195.41	57.19	138.21	1.414	Level 3
12,000.00	7,235.39	8,751.75	7,217.70	82.14	60.80	91.25	-1,967.13	4,745.30	198.28	55.62	142.66	1.390	Level 3
12,100.00	7,235.55	8,850.73	7,220.71	83.75	63.72	92.04	-1,969.83	4,844.19	200.97	53.85	147.11	1.366	Level 3
12,200.00	7,235.70	8,954.88	7,223.46	85.36	66.83	92.76	-1,971.84	4,948.29	202.88	51.26	151.62	1.338	Level 3
12,300.00	7,235.85	9,065.03	7,223.58	86.97	70.16	92.77	-1,970.25	5,058.41	201.34	45.25	156.08	1.290	Level 3
12,400.00	7,236.00	9,167.12	7,222.28	88.59	73.29	92.42	-1,965.07	5,160.36	196.06	35.33	160.74	1.220	Level 2
12,500.00	7,236.16	9,268.75	7,220.93	90.20	76.43	92.04	-1,959.48	5,261.83	190.39	24.97	165.42	1.151	Level 2
12,600.00	7,236.31	9,371.25	7,220.47	91.82	79.61	91.93	-1,952.24	5,364.07	183.18	13.18	170.00	1.078	Level 2
12,700.00	7,236.46	9,469.62	7,218.83	93.44	82.70	91.42	-1,944.73	5,462.13	175.38	0.46	174.91	1.003	Level 2
12,800.00	7,236.62	9,564.20	7,216.37	95.06	85.69	90.59	-1,939.42	5,556.53	169.60	-10.50	180.09	0.942	Level 1
12,900.00	7,236.76	9,659.95	7,213.34	96.68	88.74	89.51	-1,937.10	5,652.20	167.66	-17.48	185.13	0.906	Level 1
12,918.37	7,236.78	9,677.73	7,212.94	96.98	89.31	89.37	-1,936.88	5,669.98	167.62	-18.41	186.04	0.901	Level 1, CC
13,000.00	7,236.89	9,756.61	7,211.96	98.30	91.85	89.00	-1,936.71	5,748.85	168.29	-21.74	190.03	0.886	Level 1
13,100.00	7,237.03	9,854.48	7,211.93	99.93	95.00	88.96	-1,938.05	5,846.71	170.67	-24.20	194.87	0.876	Level 1
13,200.00	7,237.17	9,953.27	7,211.75	101.55	98.21	88.88	-1,940.25	5,945.48	173.92	-25.81	199.73	0.871	Level 1
13,300.00	7,237.30	10,053.19	7,211.75	103.18	101.46	88.86	-1,942.86	6,045.36	177.55	-27.08	204.63	0.868	Level 1
13,400.00	7,237.44	10,152.14	7,211.22	104.81	104.69	88.67	-1,945.58	6,144.27	181.34	-28.18	209.51	0.866	Level 1
13,500.00	7,237.57	10,251.31	7,210.58	106.43	107.94	88.46	-1,948.85	6,243.38	185.67	-28.74	214.41	0.866	Level 1
13,600.00	7,237.71	10,349.86	7,210.09	108.06	111.18	88.31	-1,952.62	6,341.86	190.52	-28.76	219.28	0.869	Level 1
13,700.00	7,237.84	10,456.09	7,210.75	109.70	114.68	88.50	-1,955.46	6,448.04	194.20	-30.20	224.39	0.865	Level 1
13,800.00	7,237.98	10,560.74	7,211.11	111.33	118.13	88.57	-1,954.90	6,552.69	194.66	-34.66	229.32	0.849	Level 1
13,844.72	7,238.04	10,604.62	7,210.76	112.06	119.58	88.45	-1,954.35	6,596.56	194.57	-36.98	231.55	0.840	Level 1
13,900.00	7,238.11	10,658.69	7,210.06	112.96	121.37	88.22	-1,953.93	6,650.63	194.73	-39.56	234.29	0.831	Level 1
14,000.00	7,238.25	10,755.53	7,209.18	114.60	124.59	87.94	-1,954.20	6,747.45	196.06	-43.16	239.22	0.820	Level 1

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-28 Offsets - WIEST J 28-65-1HN - Noble PR Well - Actual Sperry Surveys

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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	7,238.38	10,851.29	7,208.90	116.23	127.77	87.85	-1,956.51	6,843.19	199.49	-44.58	244.07	0.817	Level 1
14,200.00	7,238.52	10,950.61	7,208.48	117.87	131.08	87.74	-1,960.22	6,942.44	204.26	-44.76	249.02	0.820	Level 1
14,300.00	7,238.66	11,051.58	7,207.78	119.51	134.45	87.56	-1,963.19	7,043.36	208.25	-45.78	254.03	0.820	Level 1
14,400.00	7,238.79	11,150.23	7,207.26	121.15	137.75	87.44	-1,966.90	7,141.94	213.04	-45.91	258.95	0.823	Level 1
14,500.00	7,238.93	11,257.16	7,207.62	122.78	141.33	87.54	-1,969.65	7,248.83	216.64	-47.49	264.14	0.820	Level 1
14,600.00	7,239.06	11,363.10	7,209.49	124.42	144.87	87.99	-1,968.19	7,354.74	216.19	-52.93	269.12	0.803	Level 1
14,700.00	7,239.20	11,464.56	7,211.00	126.07	148.27	88.34	-1,965.56	7,456.16	214.57	-59.52	274.09	0.783	Level 1
14,800.00	7,239.33	11,567.44	7,211.22	127.71	151.71	88.34	-1,961.92	7,558.96	212.05	-66.91	278.96	0.760	Level 1
14,900.00	7,239.47	11,665.73	7,212.03	129.35	155.00	88.51	-1,957.85	7,657.16	208.91	-75.13	284.04	0.735	Level 1
15,000.00	7,239.60	11,763.87	7,212.28	130.99	158.30	88.52	-1,954.87	7,755.26	206.89	-82.22	289.11	0.716	Level 1
15,097.32	7,239.73	11,861.78	7,211.50	132.59	174.21	88.26	-1,952.06	7,853.13	205.11	-101.46	306.57	0.669	Level 1, ES, SF
15,100.00	7,239.74	11,856.00	7,211.55	132.64	172.92	88.27	-1,952.23	7,847.35	205.23	-100.43	305.66	0.671	Level 1
15,200.00	7,239.87	11,856.00	7,211.55	134.28	172.92	88.27	-1,952.23	7,847.35	230.28	-49.14	279.42	0.824	Level 1
15,300.00	7,240.01	11,856.00	7,211.55	135.93	172.92	88.27	-1,952.23	7,847.35	289.71	59.43	230.28	1.258	Level 3
15,400.00	7,240.14	11,856.00	7,211.55	137.57	172.92	88.27	-1,952.23	7,847.35	367.21	177.16	190.05	1.932	
15,500.00	7,240.28	11,856.00	7,211.55	139.22	172.92	88.27	-1,952.23	7,847.35	453.59	291.58	162.01	2.800	
15,600.00	7,240.42	11,856.00	7,211.55	140.87	172.92	88.27	-1,952.23	7,847.35	544.66	401.93	142.73	3.816	
15,700.00	7,240.55	11,856.00	7,211.55	142.51	172.92	88.27	-1,952.23	7,847.35	638.40	509.22	129.18	4.942	
15,800.00	7,240.69	11,856.00	7,211.55	144.16	172.92	88.27	-1,952.23	7,847.35	733.80	614.41	119.39	6.146	
15,900.00	7,240.82	11,856.00	7,211.55	145.81	172.92	88.27	-1,952.23	7,847.35	830.29	718.15	112.13	7.405	
16,000.00	7,240.96	11,856.00	7,211.55	147.46	172.92	88.27	-1,952.23	7,847.35	927.51	820.90	106.62	8.699	
16,100.00	7,241.09	11,856.00	7,211.55	149.11	172.92	88.27	-1,952.23	7,847.35	1,025.27	922.93	102.34	10.018	
16,200.00	7,241.23	11,856.00	7,211.55	150.76	172.92	88.27	-1,952.23	7,847.35	1,123.43	1,024.46	98.97	11.352	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-28 Offsets - ZION PM J 28-12 - Noble PR Well - Actual VES Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7350-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	7,232.18	7,150.10	7,148.78	49.41	15.58	87.19	-2,556.92	3,505.96	1,165.89	1,118.74	47.15	24.726	
10,000.00	7,232.33	7,150.39	7,149.07	50.90	15.58	87.21	-2,556.94	3,505.96	1,094.49	1,044.81	49.69	22.028	
10,100.00	7,232.49	7,150.69	7,149.37	52.39	15.58	87.24	-2,556.95	3,505.96	1,027.87	975.19	52.68	19.510	
10,200.00	7,232.64	7,151.00	7,149.68	53.90	15.58	87.26	-2,556.96	3,505.96	967.01	910.88	56.14	17.226	
10,300.00	7,232.79	7,151.31	7,149.99	55.42	15.58	87.28	-2,556.98	3,505.96	913.08	853.09	59.99	15.220	
10,400.00	7,232.95	7,151.62	7,150.30	56.94	15.58	87.30	-2,556.99	3,505.96	867.36	803.23	64.13	13.524	
10,500.00	7,233.10	7,151.94	7,150.62	58.48	15.58	87.33	-2,557.01	3,505.96	831.22	762.84	68.37	12.157	
10,600.00	7,233.25	7,152.26	7,150.94	60.02	15.59	87.35	-2,557.02	3,505.96	805.93	733.47	72.46	11.123	
10,700.00	7,233.40	7,152.59	7,151.26	61.57	15.59	87.37	-2,557.04	3,505.97	792.54	716.45	76.09	10.416	
10,757.00	7,233.49	7,152.77	7,151.45	62.46	15.59	87.39	-2,557.04	3,505.97	790.49	712.63	77.86	10.152	CC, ES
10,800.00	7,233.56	7,152.92	7,151.59	63.12	15.59	87.40	-2,557.05	3,505.97	791.66	712.64	79.02	10.018	
10,900.00	7,233.71	7,153.25	7,151.93	64.69	15.59	87.42	-2,557.07	3,505.97	803.32	722.24	81.08	9.907	SF
11,000.00	7,233.86	7,153.59	7,152.27	66.25	15.59	87.45	-2,557.08	3,505.97	827.00	744.75	82.24	10.055	
11,100.00	7,234.02	7,153.94	7,152.61	67.82	15.59	87.47	-2,557.10	3,505.97	861.70	779.11	82.59	10.433	
11,200.00	7,234.17	7,154.29	7,152.96	69.40	15.59	87.50	-2,557.11	3,505.97	906.16	823.87	82.28	11.013	
11,300.00	7,234.32	7,154.64	7,153.31	70.98	15.59	87.52	-2,557.13	3,505.97	959.02	877.51	81.51	11.766	
11,400.00	7,234.47	7,155.00	7,153.67	72.56	15.59	87.55	-2,557.15	3,505.97	1,018.98	938.55	80.43	12.669	
11,500.00	7,234.63	7,155.36	7,154.04	74.15	15.59	87.57	-2,557.16	3,505.97	1,084.86	1,005.68	79.18	13.701	
11,600.00	7,234.78	7,155.73	7,154.41	75.74	15.59	87.60	-2,557.18	3,505.97	1,155.65	1,077.79	77.86	14.843	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,900.00	7,230.65	7,329.18	7,227.14	35.51	30.11	-90.40	-615.10	1,917.16	1,180.60	1,116.64	63.97	18.456	
9,000.00	7,230.80	7,328.98	7,226.94	36.79	30.11	-90.39	-615.10	1,917.16	1,162.18	1,097.72	64.46	18.030	
9,100.00	7,230.96	7,328.78	7,226.74	38.10	30.11	-90.38	-615.10	1,917.17	1,152.17	1,087.38	64.79	17.783	
9,165.80	7,231.06	7,328.65	7,226.60	38.98	30.11	-90.38	-615.10	1,917.17	1,150.29	1,085.38	64.92	17.720	CC, ES
9,200.00	7,231.11	7,328.58	7,226.53	39.44	30.11	-90.37	-615.09	1,917.17	1,150.80	1,085.85	64.95	17.718	SF
9,300.00	7,231.26	7,328.37	7,226.33	40.80	30.11	-90.36	-615.09	1,917.17	1,158.09	1,093.15	64.94	17.833	
9,400.00	7,231.42	7,328.17	7,226.13	42.19	30.11	-90.35	-615.09	1,917.17	1,173.89	1,109.12	64.78	18.123	
9,500.00	7,231.57	7,327.97	7,225.92	43.60	30.11	-90.34	-615.09	1,917.17	1,197.86	1,133.38	64.48	18.577	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	88.22	36.10	1,162.92	1,163.55				
100.00	100.00	88.00	88.00	3.28	3.55	88.22	36.10	1,162.92	1,163.48	1,155.86	7.62	152.614	
200.00	200.00	188.00	188.00	3.31	5.70	88.22	36.10	1,162.92	1,163.48	1,153.69	9.79	118.784	
300.00	299.98	287.98	287.98	3.34	8.83	-94.31	36.10	1,162.92	1,163.61	1,150.64	12.97	89.720	
400.00	399.84	387.84	387.84	3.40	12.19	-94.56	36.10	1,162.92	1,164.02	1,147.64	16.38	71.053	
500.00	499.45	487.30	487.30	3.49	14.97	-94.97	36.12	1,162.92	1,164.75	1,145.50	19.24	60.526	
600.00	598.70	586.69	586.69	3.60	16.12	-95.55	36.36	1,162.94	1,165.90	1,145.38	20.52	56.830	
700.00	697.47	686.93	686.93	3.75	16.13	-96.28	36.29	1,162.88	1,167.47	1,146.80	20.67	56.477	
800.00	795.62	784.28	784.28	3.95	16.14	-97.13	36.06	1,162.81	1,169.65	1,148.77	20.88	56.029	
900.00	893.06	881.46	881.45	4.19	16.15	-98.13	35.99	1,162.79	1,172.69	1,151.56	21.13	55.503	
1,000.00	989.79	979.99	979.99	4.48	16.17	-99.29	35.71	1,162.71	1,176.53	1,155.10	21.43	54.894	
1,100.00	1,086.45	1,078.11	1,078.11	4.80	16.19	-100.47	35.10	1,162.54	1,180.81	1,159.04	21.77	54.234	
1,200.00	1,183.11	1,175.74	1,175.74	5.15	16.22	-101.63	34.47	1,162.30	1,185.53	1,163.39	22.14	53.550	
1,300.00	1,279.77	1,273.47	1,273.46	5.52	16.25	-102.79	33.77	1,161.99	1,190.68	1,168.15	22.53	52.852	
1,400.00	1,376.43	1,371.39	1,371.38	5.90	16.28	-103.92	32.77	1,161.66	1,196.25	1,173.32	22.93	52.159	
1,900.00	1,859.73	2,076.94	2,073.05	7.81	16.72	-111.26	-1.25	1,111.96	1,197.97	1,173.42	24.55	48.793	
2,000.00	1,956.39	2,250.35	2,241.90	7.87	16.95	-112.77	-23.15	1,079.27	1,185.42	1,160.97	24.45	48.478	
2,100.00	2,053.05	2,361.38	2,348.74	7.96	17.15	-113.67	-40.45	1,054.51	1,168.71	1,144.15	24.56	47.582	
2,200.00	2,149.71	2,447.04	2,430.95	8.07	17.31	-114.25	-56.39	1,036.50	1,152.45	1,127.66	24.79	46.494	
2,300.00	2,246.37	2,576.63	2,555.22	8.19	17.58	-115.11	-81.25	1,009.47	1,136.50	1,111.62	24.88	45.684	
2,400.00	2,343.03	2,655.10	2,630.38	8.34	17.77	-115.70	-95.48	992.01	1,119.49	1,094.31	25.18	44.455	
2,500.00	2,439.69	2,810.06	2,777.58	8.50	18.23	-117.02	-123.50	952.59	1,099.16	1,073.96	25.20	43.612	
2,600.00	2,536.35	2,899.52	2,862.21	8.68	18.52	-117.83	-139.85	928.63	1,078.36	1,052.85	25.51	42.273	
2,700.00	2,633.01	2,969.31	2,928.56	8.88	18.74	-118.49	-152.17	910.87	1,059.32	1,033.40	25.91	40.880	
2,800.00	2,729.67	3,057.49	3,012.90	9.09	19.02	-119.27	-168.10	890.68	1,042.64	1,016.38	26.26	39.709	
2,900.00	2,826.33	3,175.82	3,125.55	9.32	19.46	-120.19	-192.59	863.97	1,025.42	998.91	26.51	38.680	
3,000.00	2,922.99	3,256.41	3,202.38	9.56	19.77	-120.94	-207.67	844.89	1,008.20	981.28	26.93	37.444	
3,100.00	3,019.65	3,342.50	3,284.83	9.81	20.09	-121.88	-221.56	824.42	992.40	965.08	27.31	36.335	
3,200.00	3,116.31	3,417.27	3,356.81	10.07	20.36	-122.72	-232.94	807.69	978.64	950.89	27.75	35.266	
3,300.00	3,212.97	3,494.32	3,431.40	10.34	20.63	-123.58	-244.38	792.17	967.38	939.20	28.18	34.328	
3,400.00	3,309.63	3,591.53	3,525.81	10.63	20.98	-124.66	-258.42	773.71	957.71	929.16	28.55	33.541	
3,500.00	3,406.29	3,653.02	3,585.77	10.92	21.19	-125.37	-266.67	762.83	950.07	921.04	29.03	32.723	
3,600.00	3,502.95	3,732.97	3,664.28	11.21	21.44	-126.31	-275.79	750.89	946.11	916.66	29.45	32.123	
3,700.00	3,599.61	3,927.84	3,854.14	11.52	22.17	-128.66	-301.37	715.80	940.20	910.65	29.55	31.818	
3,800.00	3,696.27	4,038.54	3,960.02	11.83	22.71	-130.13	-318.97	688.71	926.68	896.77	29.91	30.979	
3,900.00	3,792.93	4,145.29	4,061.62	12.15	23.25	-131.53	-337.66	661.82	912.07	881.76	30.30	30.097	
4,000.00	3,889.59	4,225.39	4,138.00	12.48	23.65	-132.62	-351.26	641.86	898.57	867.74	30.83	29.150	
4,100.00	3,986.25	4,294.76	4,204.62	12.81	23.97	-133.63	-361.51	625.53	888.05	856.67	31.38	28.296	
4,200.00	4,082.91	4,363.00	4,270.85	13.14	24.26	-134.65	-369.67	611.26	881.73	849.80	31.93	27.616	
4,300.00	4,179.57	4,465.33	4,370.51	13.48	24.68	-136.16	-381.53	591.31	877.53	845.15	32.38	27.103	
4,395.01	4,271.42	4,519.38	4,423.41	13.81	24.89	-136.95	-387.25	581.78	875.67	842.76	32.91	26.607	CC
4,400.00	4,276.23	4,522.60	4,426.57	13.83	24.90	-136.99	-387.56	581.24	875.68	842.74	32.94	26.586	ES
4,500.00	4,372.89	4,592.44	4,495.35	14.18	25.14	-137.99	-393.63	570.74	877.76	844.32	33.44	26.250	
4,600.00	4,469.55	4,666.67	4,568.81	14.53	25.36	-138.98	-399.17	561.70	883.22	849.30	33.91	26.043	
4,700.00	4,566.21	4,742.91	4,644.54	14.88	25.56	-139.91	-404.43	554.64	891.53	857.16	34.37	25.938	
4,800.00	4,662.87	4,822.48	4,723.76	15.24	25.75	-140.86	-408.50	548.54	902.55	867.73	34.82	25.921	SF
4,900.00	4,759.53	4,913.22	4,814.23	15.60	25.94	-141.89	-412.59	542.85	915.31	880.03	35.28	25.946	
5,000.00	4,856.19	5,003.53	4,904.32	15.97	26.12	-142.80	-417.35	538.53	928.78	893.04	35.74	25.991	
5,100.00	4,952.86	5,091.92	4,992.55	16.33	26.29	-143.58	-421.91	536.04	943.76	907.58	36.18	26.082	
5,200.00	5,049.52	5,170.21	5,070.74	16.70	26.42	-144.28	-425.20	533.97	959.91	923.30	36.61	26.223	
5,300.00	5,146.18	5,239.47	5,139.98	17.07	26.52	-144.95	-425.63	532.49	979.20	942.21	36.99	26.474	
5,400.00	5,242.84	5,324.12	5,224.62	17.45	26.62	-145.75	-424.89	531.68	1,000.63	963.22	37.41	26.746	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,500.00	5,339.50	5,419.05	5,319.55	17.82	26.72	-146.57	-423.96	531.52	1,022.83	984.96	37.87	27.006	
5,600.00	5,436.16	5,517.16	5,417.66	18.20	26.84	-147.36	-423.22	531.80	1,045.30	1,006.95	38.35	27.257	
5,700.00	5,532.82	5,620.00	5,520.49	18.58	26.96	-148.14	-423.01	532.09	1,067.51	1,028.66	38.85	27.480	
5,800.00	5,629.48	5,709.33	5,609.82	18.96	27.05	-148.76	-423.19	532.68	1,089.76	1,050.47	39.29	27.736	
5,900.00	5,726.14	5,793.87	5,694.34	19.34	27.14	-149.27	-423.20	534.66	1,113.14	1,073.43	39.71	28.031	
6,000.00	5,822.80	5,913.93	5,814.35	19.73	27.27	-149.94	-423.55	537.67	1,136.57	1,096.31	40.26	28.228	
6,100.00	5,919.46	6,028.75	5,929.16	20.11	27.43	-150.66	-425.23	537.15	1,157.49	1,116.67	40.82	28.358	
6,200.00	6,016.12	6,120.23	6,020.62	20.50	27.57	-151.23	-426.55	536.43	1,178.46	1,137.17	41.29	28.541	
6,300.00	6,112.78	6,214.98	6,115.37	20.89	27.71	-151.79	-427.71	536.07	1,199.93	1,158.15	41.77	28.724	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-21D (Need Directional Surveys)

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	88.17	37.91	1,187.16	1,187.83				
100.00	100.00	88.00	88.00	3.28	3.55	88.17	37.91	1,187.16	1,187.77	1,180.14	7.62	155.799	
200.00	200.00	188.00	188.00	3.31	5.70	88.17	37.91	1,187.16	1,187.77	1,177.97	9.79	121.264	CC
300.00	299.98	287.98	287.98	3.34	8.83	-94.36	37.91	1,187.16	1,187.90	1,174.93	12.97	91.593	
400.00	399.84	387.84	387.84	3.40	12.19	-94.60	37.91	1,187.16	1,188.31	1,171.93	16.38	72.536	
500.00	499.45	487.45	487.45	3.49	15.62	-95.01	37.91	1,187.16	1,189.04	1,169.15	19.89	59.768	
600.00	598.70	586.70	586.70	3.60	19.07	-95.56	37.91	1,187.16	1,190.17	1,166.71	23.46	50.729	
700.00	697.47	685.47	685.47	3.75	22.53	-96.27	37.91	1,187.16	1,191.81	1,164.74	27.07	44.030	
800.00	795.62	783.62	783.62	3.95	25.97	-97.12	37.91	1,187.16	1,194.07	1,163.36	30.71	38.886	
900.00	893.06	881.06	881.06	4.19	29.40	-98.10	37.91	1,187.16	1,197.13	1,162.75	34.37	34.826	ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - CARLSON 10-29 - Noble SI Well - Actual VES S

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_VESSI GyroFlex V4, 7300-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,600.00	7,193.22	7,217.47	7,216.68	25.11	15.66	69.90	-2,507.46	1,191.15	1,127.25	1,088.85	38.40	29.355	
7,700.00	7,218.43	7,240.49	7,239.67	25.39	15.71	82.61	-2,506.45	1,190.70	1,051.69	1,013.59	38.09	27.608	
7,800.00	7,228.75	7,248.76	7,247.92	25.71	15.73	92.12	-2,506.08	1,190.54	981.71	943.95	37.76	25.999	
7,900.00	7,229.12	7,247.19	7,246.36	26.11	15.73	93.27	-2,506.15	1,190.57	919.41	881.85	37.57	24.475	
8,000.00	7,229.28	7,245.41	7,244.58	26.63	15.72	93.13	-2,506.23	1,190.61	864.28	826.58	37.70	22.925	
8,100.00	7,229.43	7,243.63	7,242.80	27.27	15.72	93.00	-2,506.31	1,190.64	817.71	779.42	38.29	21.357	
8,200.00	7,229.58	7,241.84	7,241.02	28.02	15.72	92.86	-2,506.39	1,190.68	781.22	741.81	39.40	19.827	
8,300.00	7,229.73	7,240.06	7,239.23	28.88	15.71	92.72	-2,506.47	1,190.71	756.27	715.25	41.02	18.438	
8,400.00	7,229.89	7,238.28	7,237.45	29.82	15.71	92.58	-2,506.54	1,190.75	744.03	701.04	43.00	17.305	
8,441.83	7,229.95	7,237.53	7,236.71	30.24	15.71	92.53	-2,506.58	1,190.76	742.85	698.97	43.89	16.927	CC, ES
8,500.00	7,230.04	7,236.49	7,235.67	30.84	15.70	92.45	-2,506.62	1,190.78	745.13	700.01	45.12	16.516	
8,600.00	7,230.19	7,234.71	7,233.89	31.93	15.70	92.31	-2,506.70	1,190.82	759.50	712.35	47.15	16.109	
8,700.00	7,230.35	7,232.93	7,232.11	33.08	15.70	92.17	-2,506.78	1,190.85	786.42	737.50	48.93	16.073	SF
8,800.00	7,230.50	7,231.14	7,230.33	34.27	15.69	92.03	-2,506.86	1,190.88	824.67	774.30	50.37	16.372	
8,900.00	7,230.65	7,229.36	7,228.55	35.51	15.69	91.90	-2,506.94	1,190.92	872.74	821.28	51.47	16.957	
9,000.00	7,230.80	7,227.58	7,226.77	36.79	15.69	91.76	-2,507.02	1,190.95	929.13	876.87	52.26	17.778	
9,100.00	7,230.96	7,225.79	7,224.99	38.10	15.68	91.62	-2,507.09	1,190.99	992.41	939.60	52.81	18.793	
9,200.00	7,231.11	7,224.01	7,223.20	39.44	15.68	91.48	-2,507.17	1,191.02	1,061.35	1,008.19	53.17	19.963	
9,300.00	7,231.26	7,222.23	7,221.42	40.80	15.67	91.35	-2,507.25	1,191.06	1,134.92	1,081.54	53.38	21.260	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - HSR-MILLARD 9-29 - Noble SI Well - No Survey

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,900.00	7,230.65	7,205.65	7,205.65	35.51	253.56	89.88	-2,444.64	2,565.71	1,140.42	862.93	277.49	4.110	
9,000.00	7,230.80	7,205.80	7,205.80	36.79	253.57	89.89	-2,444.64	2,565.71	1,061.71	783.38	278.33	3.815	
9,100.00	7,230.96	7,205.96	7,205.96	38.10	253.57	89.91	-2,444.64	2,565.71	986.86	707.28	279.58	3.530	
9,200.00	7,231.11	7,206.11	7,206.11	39.44	253.58	89.92	-2,444.64	2,565.71	916.82	635.51	281.32	3.259	
9,300.00	7,231.26	7,206.26	7,206.26	40.80	253.58	89.93	-2,444.64	2,565.71	852.78	569.17	283.61	3.007	
9,400.00	7,231.42	7,206.42	7,206.42	42.19	253.59	89.95	-2,444.64	2,565.71	796.18	509.70	286.48	2.779	
9,500.00	7,231.57	7,206.57	7,206.57	43.60	253.60	89.96	-2,444.64	2,565.71	748.72	458.88	289.84	2.583	
9,600.00	7,231.72	7,206.72	7,206.72	45.03	253.60	89.97	-2,444.64	2,565.71	712.21	418.69	293.52	2.426	
9,700.00	7,231.88	7,206.88	7,206.88	46.48	253.61	89.98	-2,444.64	2,565.71	688.41	391.20	297.21	2.316	
9,800.00	7,232.03	7,207.03	7,207.03	47.94	253.61	90.00	-2,444.64	2,565.71	678.66	378.10	300.57	2.258	
9,816.65	7,232.05	7,207.05	7,207.05	48.18	253.61	90.00	-2,444.64	2,565.71	678.46	377.39	301.07	2.254	CC, ES, SF
9,900.00	7,232.18	7,207.18	7,207.18	49.41	253.62	90.01	-2,444.64	2,565.71	683.56	380.31	303.25	2.254	
10,000.00	7,232.33	7,207.33	7,207.33	50.90	253.62	90.02	-2,444.64	2,565.71	702.80	397.70	305.10	2.304	
10,100.00	7,232.49	7,207.49	7,207.49	52.39	253.63	90.04	-2,444.64	2,565.71	735.25	429.16	306.09	2.402	
10,200.00	7,232.64	7,207.64	7,207.64	53.90	253.63	90.05	-2,444.64	2,565.71	779.27	472.89	306.38	2.543	
10,300.00	7,232.79	7,207.79	7,207.79	55.42	253.64	90.06	-2,444.64	2,565.71	833.02	526.88	306.14	2.721	
10,400.00	7,232.95	7,207.95	7,207.95	56.94	253.64	90.08	-2,444.64	2,565.71	894.76	589.19	305.57	2.928	
10,500.00	7,233.10	7,208.10	7,208.10	58.48	253.65	90.09	-2,444.64	2,565.71	962.95	658.13	304.81	3.159	
10,600.00	7,233.25	7,208.25	7,208.25	60.02	253.66	90.10	-2,444.64	2,565.71	1,036.31	732.34	303.97	3.409	
10,700.00	7,233.40	7,208.40	7,208.40	61.57	253.66	90.11	-2,444.64	2,565.71	1,113.83	810.72	303.10	3.675	
10,800.00	7,233.56	7,208.56	7,208.56	63.12	253.67	90.13	-2,444.64	2,565.71	1,194.69	892.43	302.25	3.953	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	2.00	-2.00	3.28	3.28	-50.01	21.50	-25.63	33.45				
100.00	100.00	102.00	98.00	3.28	3.76	-50.01	21.50	-25.63	33.45	25.62	7.84	4.269	
200.00	200.00	202.00	198.00	3.31	6.31	-50.01	21.50	-25.63	33.45	23.05	10.40	3.216	CC
300.00	299.98	302.02	297.98	3.34	9.51	129.81	21.50	-25.63	34.54	20.90	13.65	2.531	ES
400.00	399.84	402.16	397.84	3.40	12.90	135.82	21.50	-25.63	38.11	21.01	17.10	2.229	
500.00	499.45	502.55	497.45	3.49	16.37	143.52	21.50	-25.63	44.78	24.13	20.65	2.169	SF
600.00	598.70	603.30	596.70	3.60	19.88	150.97	21.50	-25.63	55.07	30.80	24.27	2.269	
700.00	697.47	704.53	695.47	3.75	23.42	157.14	21.50	-25.63	69.19	41.24	27.95	2.476	
800.00	795.62	806.38	793.62	3.95	27.00	161.90	21.50	-25.63	87.12	55.43	31.69	2.749	
900.00	893.06	908.94	891.06	4.19	30.61	165.47	21.50	-25.63	108.76	73.28	35.48	3.065	
1,000.00	989.79	987.79	987.79	4.48	33.39	168.15	21.50	-25.63	133.47	95.00	38.47	3.470	
1,100.00	1,086.45	1,084.45	1,084.45	4.80	36.80	170.05	21.50	-25.63	158.66	116.58	42.08	3.770	
1,200.00	1,183.11	1,181.11	1,181.11	5.15	40.21	171.43	21.50	-25.63	183.98	138.26	45.72	4.024	
1,300.00	1,279.77	1,277.77	1,277.77	5.52	43.63	172.47	21.50	-25.63	209.38	160.00	49.37	4.241	
1,400.00	1,376.43	1,374.43	1,374.43	5.90	47.04	173.29	21.50	-25.63	234.82	181.78	53.04	4.427	
1,500.00	1,473.09	1,471.09	1,471.09	6.30	50.46	173.95	21.50	-25.63	260.30	203.59	56.71	4.590	
1,600.00	1,569.75	1,567.75	1,567.75	6.72	53.88	174.49	21.50	-25.63	285.81	225.41	60.40	4.732	
1,700.00	1,666.41	1,664.41	1,664.41	7.14	57.30	174.94	21.50	-25.63	311.34	247.24	64.10	4.857	
1,800.00	1,763.07	1,761.07	1,761.07	7.57	60.72	175.33	21.50	-25.63	336.88	269.08	67.80	4.969	
1,900.00	1,859.73	1,857.73	1,857.73	7.81	64.14	175.66	21.50	-25.63	362.44	291.26	71.18	5.092	
2,000.00	1,956.39	1,954.39	1,954.39	7.87	67.56	175.94	21.50	-25.63	388.00	313.38	74.62	5.200	
2,100.00	2,053.05	2,051.05	2,051.05	7.96	70.98	176.20	21.50	-25.63	413.57	335.49	78.08	5.297	
2,200.00	2,149.71	2,147.71	2,147.71	8.07	74.40	176.42	21.50	-25.63	439.15	357.59	81.56	5.384	
2,300.00	2,246.37	2,244.37	2,244.37	8.19	77.82	176.61	21.50	-25.63	464.74	379.68	85.06	5.464	
2,400.00	2,343.03	2,341.03	2,341.03	8.34	81.24	176.79	21.50	-25.63	490.33	401.75	88.57	5.536	
2,500.00	2,439.69	2,437.69	2,437.69	8.50	84.67	176.95	21.50	-25.63	515.92	423.82	92.10	5.602	
2,600.00	2,536.35	2,534.35	2,534.35	8.68	88.09	177.10	21.50	-25.63	541.52	445.87	95.65	5.661	
2,700.00	2,633.01	2,631.01	2,631.01	8.88	91.51	177.23	21.50	-25.63	567.12	467.90	99.21	5.716	
2,800.00	2,729.67	2,727.67	2,727.67	9.09	94.93	177.35	21.50	-25.63	592.72	489.93	102.79	5.767	
2,900.00	2,826.33	2,824.33	2,824.33	9.32	98.36	177.46	21.50	-25.63	618.32	511.95	106.37	5.813	
3,000.00	2,922.99	2,920.99	2,920.99	9.56	101.78	177.56	21.50	-25.63	643.93	533.95	109.98	5.855	
3,100.00	3,019.65	3,017.65	3,017.65	9.81	105.20	177.65	21.50	-25.63	669.54	555.95	113.59	5.894	
3,200.00	3,116.31	3,114.31	3,114.31	10.07	108.63	177.74	21.50	-25.63	695.15	577.94	117.21	5.931	
3,300.00	3,212.97	3,210.97	3,210.97	10.34	112.05	177.82	21.50	-25.63	720.76	599.91	120.84	5.964	
3,400.00	3,309.63	3,307.63	3,307.63	10.63	115.47	177.89	21.50	-25.63	746.37	621.88	124.48	5.996	
3,500.00	3,406.29	3,404.29	3,404.29	10.92	118.90	177.96	21.50	-25.63	771.98	643.85	128.13	6.025	
3,600.00	3,502.95	3,500.95	3,500.95	11.21	122.32	178.03	21.50	-25.63	797.60	665.80	131.79	6.052	
3,700.00	3,599.61	3,602.39	3,597.61	11.52	125.91	178.09	21.50	-25.63	823.21	687.58	135.63	6.070	
3,800.00	3,696.27	3,705.73	3,694.27	11.83	129.57	178.15	21.50	-25.63	848.83	709.29	139.54	6.083	
3,900.00	3,792.93	3,809.07	3,790.93	12.15	133.23	178.20	21.50	-25.63	874.44	730.99	143.45	6.096	
4,000.00	3,889.59	3,887.59	3,887.59	12.48	136.01	178.25	21.50	-25.63	900.06	753.57	146.49	6.144	
4,100.00	3,986.25	3,984.25	3,984.25	12.81	139.44	178.30	21.50	-25.63	925.68	775.50	150.18	6.164	
4,200.00	4,082.91	4,080.91	4,080.91	13.14	142.86	178.35	21.50	-25.63	951.30	797.42	153.87	6.182	
4,300.00	4,179.57	4,177.57	4,177.57	13.48	146.29	178.39	21.50	-25.63	976.92	819.35	157.57	6.200	
4,400.00	4,276.23	4,274.23	4,274.23	13.83	149.71	178.43	21.50	-25.63	1,002.54	841.26	161.28	6.216	
4,500.00	4,372.89	4,370.89	4,370.89	14.18	153.13	178.47	21.50	-25.63	1,028.16	863.18	164.98	6.232	
4,600.00	4,469.55	4,467.55	4,467.55	14.53	156.56	178.51	21.50	-25.63	1,053.78	885.09	168.69	6.247	
4,700.00	4,566.21	4,564.21	4,564.21	14.88	159.98	178.54	21.50	-25.63	1,079.40	906.99	172.41	6.261	
4,800.00	4,662.87	4,660.87	4,660.87	15.24	163.41	178.58	21.50	-25.63	1,105.02	928.90	176.12	6.274	
4,900.00	4,759.53	4,757.53	4,757.53	15.60	166.83	178.61	21.50	-25.63	1,130.64	950.80	179.84	6.287	
5,000.00	4,856.19	4,854.19	4,854.19	15.97	170.26	178.64	21.50	-25.63	1,156.26	972.70	183.56	6.299	
5,100.00	4,952.86	4,950.86	4,950.86	16.33	173.68	178.67	21.50	-25.63	1,181.89	994.60	187.29	6.311	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	8.00	-8.00	3.28	3.28	-179.48	-983.96	-8.92	984.00				
100.00	100.00	108.00	92.00	3.28	3.87	-179.48	-983.96	-8.92	984.00	976.05	7.94	123.852	
200.00	200.00	208.00	192.00	3.31	6.49	-179.48	-983.96	-8.92	984.00	973.41	10.59	92.959	
300.00	299.98	308.02	291.98	3.34	9.71	-1.94	-983.96	-8.92	982.25	968.40	13.85	70.923	
400.00	399.84	408.16	391.84	3.40	13.11	-1.95	-983.96	-8.92	977.02	959.72	17.30	56.462	
500.00	499.45	508.55	491.45	3.49	16.58	-1.97	-983.96	-8.92	968.31	947.46	20.86	46.428	
600.00	598.70	609.30	590.70	3.60	20.09	-2.01	-983.96	-8.92	956.13	931.66	24.48	39.062	
700.00	697.47	689.47	689.47	3.75	22.89	-2.05	-983.96	-8.92	940.50	913.08	27.42	34.303	
800.00	795.62	787.62	787.62	3.95	26.34	-2.11	-983.96	-8.92	921.43	890.41	31.02	29.702	
900.00	893.06	885.06	885.06	4.19	29.77	-2.18	-983.96	-8.92	898.95	864.32	34.63	25.956	
1,000.00	989.79	981.79	981.79	4.48	33.18	-2.25	-983.96	-8.92	873.65	835.40	38.25	22.843	
1,100.00	1,086.45	1,078.45	1,078.45	4.80	36.59	-2.32	-983.96	-8.92	848.04	806.17	41.86	20.257	
1,200.00	1,183.11	1,175.11	1,175.11	5.15	40.00	-2.39	-983.96	-8.92	822.43	776.93	45.50	18.076	
1,300.00	1,279.77	1,271.77	1,271.77	5.52	43.41	-2.47	-983.96	-8.92	796.82	747.67	49.15	16.212	
1,400.00	1,376.43	1,368.43	1,368.43	5.90	46.83	-2.55	-983.96	-8.92	771.21	718.40	52.82	14.602	
1,500.00	1,473.09	1,465.09	1,465.09	6.30	50.25	-2.64	-983.96	-8.92	745.61	689.12	56.49	13.198	
1,600.00	1,569.75	1,561.75	1,561.75	6.72	53.67	-2.73	-983.96	-8.92	720.01	659.83	60.18	11.964	
1,700.00	1,666.41	1,658.41	1,658.41	7.14	57.08	-2.83	-983.96	-8.92	694.41	630.53	63.88	10.871	
1,800.00	1,763.07	1,755.07	1,755.07	7.57	60.50	-2.94	-983.96	-8.92	668.81	601.23	67.58	9.896	
1,900.00	1,859.73	1,851.73	1,851.73	7.81	63.92	-3.06	-983.96	-8.92	643.21	572.25	70.96	9.064	
2,000.00	1,956.39	1,948.39	1,948.39	7.87	67.34	-3.18	-983.96	-8.92	617.62	543.21	74.41	8.301	
2,100.00	2,053.05	2,045.05	2,045.05	7.96	70.77	-3.32	-983.96	-8.92	592.03	514.16	77.87	7.603	
2,200.00	2,149.71	2,141.71	2,141.71	8.07	74.19	-3.47	-983.96	-8.92	566.44	485.09	81.35	6.963	
2,300.00	2,246.37	2,238.37	2,238.37	8.19	77.61	-3.64	-983.96	-8.92	540.86	456.01	84.85	6.375	
2,400.00	2,343.03	2,335.03	2,335.03	8.34	81.03	-3.82	-983.96	-8.92	515.28	426.92	88.36	5.831	
2,500.00	2,439.69	2,431.69	2,431.69	8.50	84.45	-4.02	-983.96	-8.92	489.71	397.81	91.89	5.329	
2,600.00	2,536.35	2,528.35	2,528.35	8.68	87.88	-4.24	-983.96	-8.92	464.14	368.70	95.44	4.863	
2,700.00	2,633.01	2,625.01	2,625.01	8.88	91.30	-4.48	-983.96	-8.92	438.58	339.57	99.01	4.430	
2,800.00	2,729.67	2,721.67	2,721.67	9.09	94.72	-4.76	-983.96	-8.92	413.03	310.45	102.58	4.026	
2,900.00	2,826.33	2,818.33	2,818.33	9.32	98.14	-5.08	-983.96	-8.92	387.49	281.31	106.17	3.650	
3,000.00	2,922.99	2,914.99	2,914.99	9.56	101.57	-5.44	-983.96	-8.92	361.96	252.18	109.78	3.297	
3,100.00	3,019.65	3,011.65	3,011.65	9.81	104.99	-5.85	-983.96	-8.92	336.45	223.05	113.39	2.967	
3,200.00	3,116.31	3,108.31	3,108.31	10.07	108.41	-6.33	-983.96	-8.92	310.95	193.93	117.02	2.657	
3,300.00	3,212.97	3,204.97	3,204.97	10.34	111.84	-6.90	-983.96	-8.92	285.48	164.82	120.66	2.366	
3,400.00	3,309.63	3,301.63	3,301.63	10.63	115.26	-7.57	-983.96	-8.92	260.05	135.73	124.31	2.092	
3,500.00	3,406.29	3,401.71	3,398.29	10.92	118.80	-8.40	-983.96	-8.92	234.65	106.55	128.09	1.832	
3,600.00	3,502.95	3,505.05	3,494.95	11.21	122.46	-9.42	-983.96	-8.92	209.31	77.30	132.00	1.586	
3,700.00	3,599.61	3,608.39	3,591.61	11.52	126.12	-10.73	-983.96	-8.92	184.05	48.12	135.93	1.354	Level 3
3,800.00	3,696.27	3,688.27	3,688.27	11.83	128.95	-12.45	-983.96	-8.92	158.90	19.86	139.04	1.143	Level 2
3,900.00	3,792.93	3,784.93	3,784.93	12.15	132.38	-14.80	-983.96	-8.92	133.95	-8.83	142.77	0.938	Level 1
4,000.00	3,889.59	3,881.59	3,881.59	12.48	135.80	-18.23	-983.96	-8.92	109.30	-37.25	146.55	0.746	Level 1
4,100.00	3,986.25	3,978.25	3,978.25	12.81	139.23	-23.60	-983.96	-8.92	85.23	-65.19	150.42	0.567	Level 1
4,200.00	4,082.91	4,074.91	4,074.91	13.14	142.65	-32.96	-983.96	-8.92	62.42	-92.09	154.51	0.404	Level 1
4,300.00	4,179.57	4,171.57	4,171.57	13.48	146.07	-51.52	-983.96	-8.92	42.92	-116.19	159.11	0.270	Level 1
4,400.00	4,276.23	4,268.23	4,268.23	13.83	149.50	-87.27	-983.96	-8.92	33.19	-130.71	163.90	0.203	Level 1
4,406.38	4,282.40	4,274.40	4,274.40	13.85	149.72	-90.00	-983.96	-8.92	33.15	-131.00	164.15	0.202	Level 1, CC, ES, SF
4,500.00	4,372.89	4,364.89	4,364.89	14.18	152.92	-124.98	-983.96	-8.92	40.93	-125.80	166.73	0.245	Level 1
4,600.00	4,469.55	4,461.55	4,461.55	14.53	156.35	-145.35	-983.96	-8.92	59.68	-109.77	169.45	0.352	Level 1
4,700.00	4,566.21	4,558.21	4,558.21	14.88	159.77	-155.50	-983.96	-8.92	82.23	-90.48	172.72	0.476	Level 1
4,800.00	4,662.87	4,654.87	4,654.87	15.24	163.19	-161.22	-983.96	-8.92	106.19	-70.04	176.23	0.603	Level 1
4,900.00	4,759.53	4,751.53	4,751.53	15.60	166.62	-164.83	-983.96	-8.92	130.78	-49.06	179.84	0.727	Level 1
5,000.00	4,856.19	4,848.19	4,848.19	15.97	170.04	-167.30	-983.96	-8.92	155.71	-27.79	183.50	0.849	Level 1

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	4,944.86	4,944.86	16.33	173.47	-169.08	-983.96	-8.92	180.83	-6.35	187.19	0.966	Level 1
5,200.00	5,049.52	5,041.52	5,041.52	16.70	176.89	-170.43	-983.96	-8.92	206.08	15.19	190.89	1.080	Level 2
5,300.00	5,146.18	5,138.18	5,138.18	17.07	180.32	-171.48	-983.96	-8.92	231.41	36.81	194.60	1.189	Level 2
5,400.00	5,242.84	5,234.84	5,234.84	17.45	183.74	-172.33	-983.96	-8.92	256.80	58.49	198.32	1.295	Level 3
5,500.00	5,339.50	5,331.50	5,331.50	17.82	187.16	-173.02	-983.96	-8.92	282.24	80.20	202.04	1.397	Level 3
5,600.00	5,436.16	5,428.16	5,428.16	18.20	190.59	-173.60	-983.96	-8.92	307.70	101.94	205.77	1.495	Level 3
5,700.00	5,532.82	5,524.82	5,524.82	18.58	194.01	-174.09	-983.96	-8.92	333.20	123.70	209.50	1.590	
5,800.00	5,629.48	5,621.48	5,621.48	18.96	197.44	-174.51	-983.96	-8.92	358.71	145.47	213.23	1.682	
5,900.00	5,726.14	5,718.14	5,718.14	19.34	200.86	-174.88	-983.96	-8.92	384.23	167.26	216.97	1.771	
6,000.00	5,822.80	5,814.80	5,814.80	19.73	204.29	-175.20	-983.96	-8.92	409.77	189.06	220.71	1.857	
6,100.00	5,919.46	5,911.46	5,911.46	20.11	207.71	-175.48	-983.96	-8.92	435.32	210.87	224.45	1.940	
6,200.00	6,016.12	6,008.12	6,008.12	20.50	211.14	-175.73	-983.96	-8.92	460.88	232.69	228.19	2.020	
6,300.00	6,112.78	6,104.78	6,104.78	20.89	214.56	-175.96	-983.96	-8.92	486.45	254.51	231.94	2.097	
6,400.00	6,209.44	6,201.44	6,201.44	21.27	217.98	-176.16	-983.96	-8.92	512.02	276.34	235.68	2.172	
6,500.00	6,306.10	6,301.91	6,298.10	21.66	221.54	-176.34	-983.96	-8.92	537.60	298.03	239.56	2.244	
6,600.00	6,402.76	6,405.25	6,394.76	22.06	225.21	-176.51	-983.96	-8.92	563.18	319.63	243.55	2.312	
6,700.00	6,499.42	6,508.59	6,491.42	22.45	228.87	-176.66	-983.96	-8.92	588.77	341.23	247.53	2.379	
6,800.00	6,596.08	6,588.08	6,588.08	22.84	231.68	-176.80	-983.96	-8.92	614.36	363.68	250.68	2.451	
6,900.00	6,692.52	6,684.52	6,684.52	23.18	235.10	-147.30	-983.96	-8.92	639.34	384.95	254.39	2.513	
7,000.00	6,787.02	6,779.02	6,779.02	23.49	238.45	-126.14	-983.96	-8.92	662.95	404.94	258.01	2.569	
7,100.00	6,877.26	6,869.26	6,869.26	23.80	241.64	-115.44	-983.96	-8.92	686.03	424.56	261.46	2.624	
7,200.00	6,961.00	6,953.00	6,953.00	24.09	244.61	-110.19	-983.96	-8.92	710.12	445.43	264.69	2.683	
7,300.00	7,036.18	7,028.18	7,028.18	24.36	247.28	-107.47	-983.96	-8.92	737.12	469.48	267.65	2.754	
7,400.00	7,100.96	7,107.04	7,092.96	24.62	250.07	-105.65	-983.96	-8.92	768.86	498.10	270.76	2.840	
7,500.00	7,153.74	7,145.74	7,145.74	24.87	251.44	-103.67	-983.96	-8.92	806.71	534.23	272.48	2.961	
7,600.00	7,193.22	7,185.22	7,185.22	25.11	252.84	-100.84	-983.96	-8.92	851.35	577.11	274.23	3.104	
7,700.00	7,218.43	7,210.43	7,210.43	25.39	253.73	-96.71	-983.96	-8.92	902.54	627.09	275.45	3.277	
7,800.00	7,228.75	7,220.75	7,220.75	25.71	254.10	-91.15	-983.96	-8.92	959.22	683.14	276.08	3.474	
7,900.00	7,229.12	7,221.12	7,221.12	26.11	254.11	-90.07	-983.96	-8.92	1,020.86	744.56	276.30	3.695	
8,000.00	7,229.28	7,221.28	7,221.28	26.63	254.12	-90.09	-983.96	-8.92	1,088.17	811.68	276.49	3.936	
8,100.00	7,229.43	7,221.43	7,221.43	27.27	254.12	-90.10	-983.96	-8.92	1,160.21	883.55	276.66	4.194	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	13.01	13.01	3.28	3.28	-118.27	-448.07	-833.35	946.17				
100.00	100.00	106.40	106.40	3.28	3.29	-118.27	-448.28	-833.74	946.64	939.29	7.36	128.632	
200.00	200.00	206.45	206.44	3.31	3.32	-118.27	-448.75	-834.40	947.44	940.03	7.42	127.764	
300.00	299.98	305.39	305.39	3.34	3.38	59.35	-449.42	-835.02	947.43	939.91	7.52	126.029	
400.00	399.84	410.07	410.06	3.40	3.47	59.64	-450.17	-835.39	945.42	937.75	7.67	123.303	
500.00	499.45	507.41	507.40	3.49	3.58	60.12	-451.00	-835.60	941.61	933.76	7.86	119.810	
600.00	598.70	609.93	609.91	3.60	3.72	60.84	-451.81	-835.72	936.05	927.94	8.11	115.422	
700.00	697.47	706.88	706.85	3.75	3.87	61.74	-452.66	-835.76	928.89	920.49	8.41	110.513	
800.00	795.62	805.79	805.76	3.95	4.04	62.87	-453.67	-835.79	920.36	911.60	8.76	105.043	
900.00	893.06	905.93	905.90	4.19	4.22	64.26	-454.61	-835.66	910.42	901.24	9.18	99.225	
1,000.00	989.79	1,003.87	1,003.84	4.48	4.40	65.73	-455.41	-835.39	899.50	889.86	9.63	93.363	
1,100.00	1,086.45	1,101.27	1,101.23	4.80	4.59	67.15	-456.13	-835.05	888.91	878.78	10.13	87.723	
1,200.00	1,183.11	1,194.76	1,194.72	5.15	4.80	68.54	-457.02	-834.82	879.06	868.39	10.67	82.366	
1,300.00	1,279.77	1,289.08	1,289.03	5.52	5.02	69.96	-458.15	-834.84	870.13	858.87	11.26	77.282	
1,400.00	1,376.43	1,385.58	1,385.52	5.90	5.26	71.45	-459.24	-835.08	861.99	850.10	11.88	72.544	
1,500.00	1,473.09	1,483.93	1,483.87	6.30	5.51	72.99	-460.38	-835.25	854.42	841.88	12.53	68.165	
1,600.00	1,569.75	1,580.09	1,580.01	6.72	5.77	74.51	-461.60	-835.33	847.41	834.21	13.20	64.187	
1,700.00	1,666.41	1,676.50	1,676.42	7.14	6.03	76.05	-462.90	-835.50	841.17	827.28	13.89	60.566	
1,800.00	1,763.07	1,773.64	1,773.55	7.57	6.29	77.65	-463.91	-835.75	835.61	821.03	14.58	57.299	
1,900.00	1,859.73	1,869.68	1,869.60	7.81	6.53	79.28	-464.32	-836.11	830.78	815.90	14.87	55.858	
2,000.00	1,956.39	1,965.13	1,965.04	7.87	6.76	80.93	-464.67	-836.61	826.81	811.64	15.18	54.474	
2,100.00	2,053.05	2,060.49	2,060.39	7.96	6.97	82.60	-464.92	-837.28	823.77	808.28	15.49	53.189	
2,200.00	2,149.71	2,155.32	2,155.22	8.07	7.18	84.27	-465.17	-838.13	821.68	805.87	15.81	51.966	
2,300.00	2,246.37	2,251.31	2,251.20	8.19	7.39	85.96	-465.47	-839.19	820.58	804.42	16.16	50.794	
2,400.00	2,343.03	2,349.81	2,349.70	8.34	7.57	87.72	-465.50	-840.21	820.20	803.70	16.49	49.734	
2,428.06	2,370.16	2,377.77	2,377.66	8.38	7.62	88.23	-465.43	-840.45	820.18	803.59	16.58	49.456	CC
2,500.00	2,439.69	2,448.68	2,448.56	8.50	7.71	89.52	-465.14	-840.93	820.32	803.52	16.80	48.839	ES
2,600.00	2,536.35	2,544.47	2,544.35	8.68	7.82	91.26	-464.68	-841.49	821.13	804.04	17.09	48.053	
2,700.00	2,633.01	2,638.75	2,638.63	8.88	7.94	92.98	-464.01	-842.30	823.05	805.65	17.40	47.297	
2,800.00	2,729.67	2,734.13	2,734.00	9.09	8.09	94.71	-463.48	-843.27	825.94	808.19	17.76	46.513	
2,900.00	2,826.33	2,828.40	2,828.27	9.32	8.27	96.39	-463.02	-844.45	829.86	811.71	18.15	45.728	
3,000.00	2,922.99	2,923.08	2,922.93	9.56	8.47	98.06	-462.63	-845.91	834.84	816.27	18.57	44.958	
3,100.00	3,019.65	3,018.82	3,018.66	9.81	8.69	99.71	-462.41	-847.54	840.70	821.68	19.02	44.198	
3,200.00	3,116.31	3,113.06	3,112.88	10.07	8.91	101.32	-462.17	-849.37	847.54	828.06	19.49	43.496	
3,300.00	3,212.97	3,210.95	3,210.75	10.34	9.16	102.94	-462.08	-851.33	855.12	835.14	19.98	42.802	
3,400.00	3,309.63	3,305.76	3,305.54	10.63	9.42	104.47	-462.34	-853.42	863.48	842.99	20.49	42.149	
3,500.00	3,406.29	3,410.82	3,410.57	10.92	9.72	106.08	-463.45	-855.58	872.11	851.06	21.05	41.426	
3,600.00	3,502.95	3,493.63	3,493.33	11.21	9.97	107.29	-464.65	-857.83	881.78	860.22	21.56	40.908	
3,700.00	3,599.61	3,592.03	3,591.67	11.52	10.26	108.70	-465.85	-861.07	892.63	870.52	22.11	40.367	
3,800.00	3,696.27	3,689.65	3,689.25	11.83	10.54	110.10	-466.73	-863.96	903.85	881.18	22.67	39.871	
3,900.00	3,792.93	3,794.94	3,794.49	12.15	10.86	111.56	-468.02	-866.72	915.18	891.91	23.26	39.340	
4,000.00	3,889.59	3,896.59	3,896.10	12.48	11.17	112.91	-469.85	-868.80	926.26	902.40	23.85	38.829	
4,100.00	3,986.25	3,996.56	3,996.05	12.81	11.47	114.22	-471.63	-870.40	937.44	913.00	24.44	38.354	
4,200.00	4,082.91	4,094.16	4,093.62	13.14	11.77	115.49	-473.26	-871.70	948.92	923.90	25.02	37.924	
4,300.00	4,179.57	4,200.20	4,199.65	13.48	12.08	116.85	-475.08	-872.58	960.41	934.79	25.62	37.490	
4,400.00	4,276.23	4,303.92	4,303.34	13.83	12.35	118.15	-477.12	-872.59	971.55	945.38	26.17	37.120	
4,500.00	4,372.89	4,396.48	4,395.89	14.18	12.58	119.29	-478.92	-872.50	983.06	956.36	26.69	36.826	
4,600.00	4,469.55	4,493.37	4,492.77	14.53	12.81	120.49	-480.24	-872.30	995.22	968.02	27.20	36.588	
4,700.00	4,566.21	4,579.39	4,578.78	14.88	12.98	121.57	-480.64	-872.12	1,008.33	980.67	27.66	36.457	
4,800.00	4,662.87	4,681.68	4,681.07	15.24	13.23	122.81	-480.98	-872.45	1,022.39	994.19	28.20	36.260	
4,900.00	4,759.53	4,788.49	4,787.87	15.60	13.51	124.02	-482.58	-872.43	1,035.91	1,007.15	28.77	36.009	
5,000.00	4,856.19	4,889.97	4,889.33	15.97	13.75	125.14	-484.57	-871.88	1,049.14	1,019.84	29.30	35.802	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	4,982.55	4,981.90	16.33	13.95	126.16	-486.15	-871.17	1,062.74	1,032.94	29.79	35.670	
5,200.00	5,049.52	5,082.58	5,081.91	16.70	14.17	127.24	-487.56	-870.41	1,076.88	1,046.58	30.30	35.538	
5,300.00	5,146.18	5,174.49	5,173.81	17.07	14.39	128.19	-489.11	-869.85	1,091.32	1,060.51	30.81	35.419	
5,400.00	5,242.84	5,265.88	5,265.19	17.45	14.61	129.13	-490.13	-869.57	1,106.68	1,075.35	31.32	35.330	
5,500.00	5,339.50	5,361.86	5,361.17	17.82	14.86	130.09	-490.81	-869.35	1,122.69	1,090.83	31.86	35.240	
5,600.00	5,436.16	5,459.31	5,458.61	18.20	15.13	131.03	-491.83	-869.35	1,138.95	1,106.52	32.42	35.128	
5,700.00	5,532.82	5,555.54	5,554.84	18.58	15.41	131.91	-493.14	-869.66	1,155.51	1,122.50	33.01	35.009	
5,800.00	5,629.48	5,650.18	5,649.46	18.96	15.71	132.74	-494.55	-870.25	1,172.46	1,138.86	33.59	34.901	
5,900.00	5,726.14	5,749.54	5,748.81	19.34	16.01	133.56	-496.16	-871.23	1,189.80	1,155.60	34.20	34.788	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
3,000.00	2,922.99	2,913.99	2,913.99	9.56	101.53	-69.63	-1,096.86	1,066.57	1,191.71	1,080.26	111.45	10.693	
3,100.00	3,019.65	3,010.65	3,010.65	9.81	104.95	-70.76	-1,096.86	1,066.57	1,182.77	1,067.62	115.14	10.272	
3,200.00	3,116.31	3,107.31	3,107.31	10.07	108.38	-71.91	-1,096.86	1,066.57	1,174.31	1,055.47	118.85	9.881	
3,300.00	3,212.97	3,203.97	3,203.97	10.34	111.80	-73.07	-1,096.86	1,066.57	1,166.36	1,043.80	122.56	9.517	
3,400.00	3,309.63	3,300.63	3,300.63	10.63	115.22	-74.24	-1,096.86	1,066.57	1,158.92	1,032.63	126.28	9.177	
3,500.00	3,406.29	3,402.71	3,397.29	10.92	118.84	-75.43	-1,096.86	1,066.57	1,152.00	1,021.79	130.21	8.847	
3,600.00	3,502.95	3,506.05	3,493.95	11.21	122.50	-76.63	-1,096.86	1,066.57	1,145.61	1,011.43	134.18	8.538	
3,700.00	3,599.61	3,609.39	3,590.61	11.52	126.16	-77.85	-1,096.86	1,066.57	1,139.76	1,001.60	138.17	8.249	
3,800.00	3,696.27	3,687.27	3,687.27	11.83	128.92	-79.07	-1,096.86	1,066.57	1,134.47	993.21	141.26	8.031	
3,900.00	3,792.93	3,783.93	3,783.93	12.15	132.34	-80.31	-1,096.86	1,066.57	1,129.73	984.71	145.02	7.790	
4,000.00	3,889.59	3,880.59	3,880.59	12.48	135.77	-81.55	-1,096.86	1,066.57	1,125.55	976.77	148.78	7.565	
4,100.00	3,986.25	3,977.25	3,977.25	12.81	139.19	-82.80	-1,096.86	1,066.57	1,121.94	969.39	152.55	7.355	
4,200.00	4,082.91	4,073.91	4,073.91	13.14	142.61	-84.06	-1,096.86	1,066.57	1,118.91	962.59	156.32	7.158	
4,300.00	4,179.57	4,170.57	4,170.57	13.48	146.04	-85.33	-1,096.86	1,066.57	1,116.46	956.37	160.09	6.974	
4,400.00	4,276.23	4,267.23	4,267.23	13.83	149.46	-86.60	-1,096.86	1,066.57	1,114.59	950.72	163.87	6.802	
4,500.00	4,372.89	4,363.89	4,363.89	14.18	152.89	-87.87	-1,096.86	1,066.57	1,113.31	945.67	167.64	6.641	
4,600.00	4,469.55	4,460.55	4,460.55	14.53	156.31	-89.14	-1,096.86	1,066.57	1,112.62	941.20	171.42	6.491	
4,667.14	4,534.45	4,525.45	4,525.45	14.77	158.61	-90.00	-1,096.86	1,066.57	1,112.49	938.53	173.96	6.395	
4,700.00	4,566.21	4,557.21	4,557.21	14.88	159.74	-90.42	-1,096.86	1,066.57	1,112.52	937.32	175.20	6.350	
4,800.00	4,662.87	4,653.87	4,653.87	15.24	163.16	-91.69	-1,096.86	1,066.57	1,113.01	934.03	178.98	6.219	
4,900.00	4,759.53	4,750.53	4,750.53	15.60	166.58	-92.97	-1,096.86	1,066.57	1,114.09	931.33	182.76	6.096	
5,000.00	4,856.19	4,847.19	4,847.19	15.97	170.01	-94.24	-1,096.86	1,066.57	1,115.75	929.21	186.54	5.981	
5,100.00	4,952.86	4,943.86	4,943.86	16.33	173.43	-95.51	-1,096.86	1,066.57	1,118.00	927.69	190.31	5.875	
5,200.00	5,049.52	5,040.52	5,040.52	16.70	176.86	-96.77	-1,096.86	1,066.57	1,120.84	926.75	194.09	5.775	
5,300.00	5,146.18	5,137.18	5,137.18	17.07	180.28	-98.02	-1,096.86	1,066.57	1,124.25	926.38	197.87	5.682	
5,400.00	5,242.84	5,233.84	5,233.84	17.45	183.70	-99.27	-1,096.86	1,066.57	1,128.23	926.59	201.64	5.595	
5,500.00	5,339.50	5,330.50	5,330.50	17.82	187.13	-100.51	-1,096.86	1,066.57	1,132.78	927.37	205.41	5.515	
5,600.00	5,436.16	5,427.16	5,427.16	18.20	190.55	-101.74	-1,096.86	1,066.57	1,137.89	928.71	209.18	5.440	
5,700.00	5,532.82	5,523.82	5,523.82	18.58	193.98	-102.95	-1,096.86	1,066.57	1,143.55	930.60	212.95	5.370	
5,800.00	5,629.48	5,620.48	5,620.48	18.96	197.40	-104.16	-1,096.86	1,066.57	1,149.75	933.04	216.71	5.305	
5,900.00	5,726.14	5,717.14	5,717.14	19.34	200.83	-105.35	-1,096.86	1,066.57	1,156.49	936.01	220.48	5.245	
6,000.00	5,822.80	5,813.80	5,813.80	19.73	204.25	-106.53	-1,096.86	1,066.57	1,163.75	939.51	224.24	5.190	
6,100.00	5,919.46	5,910.46	5,910.46	20.11	207.68	-107.70	-1,096.86	1,066.57	1,171.53	943.53	228.00	5.138	
6,200.00	6,016.12	6,007.12	6,007.12	20.50	211.10	-108.85	-1,096.86	1,066.57	1,179.81	948.06	231.75	5.091	
6,300.00	6,112.78	6,103.78	6,103.78	20.89	214.52	-109.98	-1,096.86	1,066.57	1,188.59	953.09	235.51	5.047	
6,400.00	6,209.44	6,200.44	6,200.44	21.27	217.95	-111.10	-1,096.86	1,066.57	1,197.86	958.60	239.26	5.007	
7,200.00	6,961.00	6,952.00	6,952.00	24.09	244.58	-56.90	-1,096.86	1,066.57	1,184.44	916.31	268.13	4.417	
7,300.00	7,036.18	7,027.18	7,027.18	24.36	247.24	-57.53	-1,096.86	1,066.57	1,141.34	870.33	271.01	4.211	
7,400.00	7,100.96	7,108.04	7,091.96	24.62	250.10	-60.92	-1,096.86	1,066.57	1,089.60	815.51	274.10	3.975	
7,500.00	7,153.74	7,144.74	7,144.74	24.87	251.41	-66.51	-1,096.86	1,066.57	1,031.40	755.76	275.64	3.742	
7,600.00	7,193.22	7,184.22	7,184.22	25.11	252.80	-73.68	-1,096.86	1,066.57	969.19	691.88	277.32	3.495	
7,700.00	7,218.43	7,209.43	7,209.43	25.39	253.70	-81.47	-1,096.86	1,066.57	905.64	627.11	278.53	3.251	
7,800.00	7,228.75	7,219.75	7,219.75	25.71	254.06	-88.80	-1,096.86	1,066.57	843.46	564.20	279.26	3.020	
7,900.00	7,229.12	7,220.12	7,220.12	26.11	254.08	-89.95	-1,096.86	1,066.57	786.35	506.67	279.68	2.812	
8,000.00	7,229.28	7,220.28	7,220.28	26.63	254.08	-89.96	-1,096.86	1,066.57	738.37	458.25	280.12	2.636	
8,100.00	7,229.43	7,220.43	7,220.43	27.27	254.09	-89.97	-1,096.86	1,066.57	701.45	420.91	280.54	2.500	
8,200.00	7,229.58	7,220.58	7,220.58	28.02	254.09	-89.98	-1,096.86	1,066.57	677.39	396.51	280.89	2.412	
8,300.00	7,229.73	7,220.73	7,220.73	28.88	254.10	-90.00	-1,096.86	1,066.57	667.61	386.50	281.11	2.375	
8,315.81	7,229.76	7,220.76	7,220.76	29.02	254.10	-90.00	-1,096.86	1,066.57	667.42	386.28	281.14	2.374	CC, ES, SF
8,400.00	7,229.89	7,220.89	7,220.89	29.82	254.10	-90.01	-1,096.86	1,066.57	672.71	391.53	281.18	2.392	
8,500.00	7,230.04	7,221.04	7,221.04	30.84	254.11	-90.02	-1,096.86	1,066.57	692.37	411.28	281.09	2.463	
8,600.00	7,230.19	7,221.19	7,221.19	31.93	254.11	-90.04	-1,096.86	1,066.57	725.41	444.53	280.88	2.583	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,700.00	7,230.35	7,221.35	7,221.35	33.08	254.12	-90.05	-1,096.86	1,066.57	770.10	489.50	280.60	2.744	
8,800.00	7,230.50	7,221.50	7,221.50	34.27	254.12	-90.06	-1,096.86	1,066.57	824.56	544.26	280.30	2.942	
8,900.00	7,230.65	7,221.65	7,221.65	35.51	254.13	-90.08	-1,096.86	1,066.57	886.98	606.97	280.01	3.168	
9,000.00	7,230.80	7,221.80	7,221.80	36.79	254.14	-90.09	-1,096.86	1,066.57	955.81	676.07	279.74	3.417	
9,100.00	7,230.96	7,221.96	7,221.96	38.10	254.14	-90.10	-1,096.86	1,066.57	1,029.76	750.26	279.50	3.684	
9,200.00	7,231.11	7,222.11	7,222.11	39.44	254.15	-90.12	-1,096.86	1,066.57	1,107.81	828.50	279.31	3.966	
9,300.00	7,231.26	7,222.26	7,222.26	40.80	254.15	-90.13	-1,096.86	1,066.57	1,189.15	910.01	279.14	4.260	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,400.00	7,229.89	7,309.89	7,309.89	29.82	257.26	-89.81	-1,282.58	2,197.80	1,153.35	867.25	286.09	4.031	
8,500.00	7,230.04	7,310.04	7,310.04	30.84	257.26	-89.83	-1,282.58	2,197.80	1,063.37	776.53	286.84	3.707	
8,600.00	7,230.19	7,310.19	7,310.19	31.93	257.27	-89.85	-1,282.58	2,197.80	975.35	687.62	287.73	3.390	
8,700.00	7,230.35	7,310.35	7,310.35	33.08	257.27	-89.86	-1,282.58	2,197.80	889.86	601.06	288.79	3.081	
8,800.00	7,230.50	7,310.50	7,310.50	34.27	257.28	-89.88	-1,282.58	2,197.80	807.71	517.64	290.07	2.785	
8,900.00	7,230.65	7,310.65	7,310.65	35.51	257.28	-89.90	-1,282.58	2,197.80	730.02	438.45	291.58	2.504	
9,000.00	7,230.80	7,310.80	7,310.80	36.79	257.29	-89.92	-1,282.58	2,197.80	658.39	365.07	293.32	2.245	
9,100.00	7,230.96	7,310.96	7,310.96	38.10	257.29	-89.94	-1,282.58	2,197.80	595.00	299.76	295.24	2.015	
9,200.00	7,231.11	7,311.11	7,311.11	39.44	257.30	-89.96	-1,282.58	2,197.80	542.74	245.60	297.14	1.827	
9,300.00	7,231.26	7,311.26	7,311.26	40.80	257.30	-89.97	-1,282.58	2,197.80	505.09	206.42	298.67	1.691	
9,400.00	7,231.42	7,311.42	7,311.42	42.19	257.31	-89.99	-1,282.58	2,197.80	485.45	186.10	299.35	1.622	
9,447.27	7,231.49	7,311.49	7,311.49	42.86	257.31	-90.00	-1,282.58	2,197.80	483.14	183.87	299.27	1.614	CC, ES, SF
9,500.00	7,231.57	7,311.57	7,311.57	43.60	257.32	-90.01	-1,282.58	2,197.80	486.01	187.15	298.86	1.626	
9,600.00	7,231.72	7,311.72	7,311.72	45.03	257.32	-90.03	-1,282.58	2,197.80	506.71	209.42	297.29	1.704	
9,700.00	7,231.88	7,311.88	7,311.88	46.48	257.33	-90.05	-1,282.58	2,197.80	545.25	250.15	295.10	1.848	
9,800.00	7,232.03	7,312.03	7,312.03	47.94	257.33	-90.06	-1,282.58	2,197.80	598.20	305.42	292.78	2.043	
9,900.00	7,232.18	7,312.18	7,312.18	49.41	257.34	-90.08	-1,282.58	2,197.80	662.11	371.45	290.65	2.278	
10,000.00	7,232.33	7,312.33	7,312.33	50.90	257.34	-90.10	-1,282.58	2,197.80	734.12	445.26	288.86	2.541	
10,100.00	7,232.49	7,312.49	7,312.49	52.39	257.35	-90.12	-1,282.58	2,197.80	812.08	524.67	287.41	2.825	
10,200.00	7,232.64	7,312.64	7,312.64	53.90	257.35	-90.14	-1,282.58	2,197.80	894.44	608.17	286.27	3.124	
10,300.00	7,232.79	7,312.79	7,312.79	55.42	257.36	-90.15	-1,282.58	2,197.80	980.08	694.71	285.37	3.434	
10,400.00	7,232.95	7,312.95	7,312.95	56.94	257.36	-90.17	-1,282.58	2,197.80	1,068.23	783.55	284.68	3.752	
10,500.00	7,233.10	7,313.10	7,313.10	58.48	257.37	-90.19	-1,282.58	2,197.80	1,158.30	874.16	284.14	4.077	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.35	179.97	-1.11	179.97				
100.00	100.00	100.00	100.00	3.28	3.28	-0.35	179.97	-1.11	179.97	172.44	7.53	23.904	
200.00	200.00	200.00	200.00	3.31	3.31	-0.35	179.97	-1.11	179.97	172.40	7.57	23.762	CC, ES
300.00	299.98	301.55	301.54	3.34	3.34	177.02	179.22	-1.74	180.98	173.33	7.65	23.652	SF
400.00	399.84	401.44	401.43	3.40	3.40	176.87	178.36	-2.46	185.35	177.58	7.77	23.855	
500.00	499.45	501.13	501.11	3.49	3.48	176.79	177.49	-3.19	193.19	185.26	7.93	24.353	
600.00	598.70	600.48	600.46	3.60	3.58	176.76	176.63	-3.92	204.51	196.37	8.14	25.124	
700.00	697.47	700.62	699.35	3.75	3.70	176.78	175.77	-4.64	219.28	210.89	8.39	26.134	
800.00	795.62	802.30	797.67	3.95	3.83	176.84	174.91	-5.35	237.48	228.80	8.68	27.348	
900.00	893.06	904.67	895.29	4.19	3.99	176.93	174.06	-6.07	259.10	250.09	9.02	28.733	
1,000.00	989.79	1,007.71	992.24	4.48	4.15	177.04	173.22	-6.77	283.56	274.17	9.39	30.203	
1,100.00	1,086.45	1,089.18	1,089.12	4.80	4.30	177.15	172.38	-7.48	308.32	298.58	9.74	31.665	
1,200.00	1,183.11	1,186.06	1,186.00	5.15	4.47	177.24	171.54	-8.19	333.08	322.95	10.14	32.857	
1,300.00	1,279.77	1,282.95	1,282.88	5.52	4.66	177.32	170.70	-8.89	357.85	347.29	10.56	33.886	
1,400.00	1,376.43	1,379.83	1,379.76	5.90	4.85	177.39	169.85	-9.60	382.61	371.61	11.00	34.774	
1,500.00	1,473.09	1,476.71	1,476.63	6.30	5.05	177.46	169.01	-10.31	407.37	395.91	11.46	35.539	
1,600.00	1,569.75	1,573.60	1,573.51	6.72	5.26	177.51	168.17	-11.01	432.14	420.20	11.94	36.200	
1,700.00	1,666.41	1,670.48	1,670.39	7.14	5.47	177.56	167.33	-11.72	456.90	444.48	12.43	36.771	
1,800.00	1,763.07	1,767.37	1,767.27	7.57	5.68	177.60	166.49	-12.43	481.67	468.74	12.92	37.266	
1,900.00	1,859.73	1,864.25	1,864.15	7.81	5.90	177.64	165.64	-13.13	506.43	493.50	12.93	39.161	
2,000.00	1,956.39	1,961.14	1,961.02	7.87	6.13	177.68	164.80	-13.84	531.20	518.02	13.18	40.311	
2,100.00	2,053.05	2,058.02	2,057.90	7.96	6.36	177.71	163.96	-14.54	555.97	542.52	13.44	41.352	
2,200.00	2,149.71	2,154.90	2,154.78	8.07	6.59	177.74	163.12	-15.25	580.73	567.00	13.73	42.289	
2,300.00	2,246.37	2,251.79	2,251.66	8.19	6.82	177.76	162.28	-15.96	605.50	591.46	14.04	43.124	
2,400.00	2,343.03	2,348.67	2,348.54	8.34	7.06	177.79	161.43	-16.66	630.26	615.90	14.37	43.865	
2,500.00	2,439.69	2,445.56	2,445.41	8.50	7.29	177.81	160.59	-17.37	655.03	640.32	14.71	44.516	
2,600.00	2,536.35	2,542.44	2,542.29	8.68	7.53	177.83	159.75	-18.08	679.80	664.72	15.08	45.086	
2,700.00	2,633.01	2,639.33	2,639.17	8.88	7.78	177.85	158.91	-18.78	704.56	689.11	15.46	45.580	
2,800.00	2,729.67	2,736.21	2,736.05	9.09	8.02	177.87	158.07	-19.49	729.33	713.48	15.85	46.005	
2,900.00	2,826.33	2,833.10	2,832.93	9.32	8.26	177.89	157.22	-20.20	754.10	737.83	16.26	46.368	
3,000.00	2,922.99	2,929.98	2,929.81	9.56	8.51	177.91	156.38	-20.90	778.86	762.18	16.69	46.675	
3,100.00	3,019.65	3,026.86	3,026.68	9.81	8.76	177.92	155.54	-21.61	803.63	786.51	17.12	46.933	
3,200.00	3,116.31	3,123.75	3,123.56	10.07	9.01	177.94	154.70	-22.32	828.40	810.83	17.57	47.146	
3,300.00	3,212.97	3,220.63	3,220.44	10.34	9.26	177.95	153.86	-23.02	853.16	835.13	18.03	47.320	
3,400.00	3,309.63	3,317.52	3,317.32	10.63	9.51	177.96	153.01	-23.73	877.93	859.43	18.50	47.460	
3,500.00	3,406.29	3,414.40	3,414.20	10.92	9.76	177.97	152.17	-24.44	902.70	883.72	18.98	47.570	
3,600.00	3,502.95	3,511.29	3,511.07	11.21	10.01	177.99	151.33	-25.14	927.46	908.00	19.46	47.653	
3,700.00	3,599.61	3,608.17	3,607.95	11.52	10.27	178.00	150.49	-25.85	952.23	932.27	19.96	47.713	
3,800.00	3,696.27	3,705.05	3,704.83	11.83	10.52	178.01	149.65	-26.55	977.00	956.54	20.46	47.754	
3,900.00	3,792.93	3,801.94	3,801.71	12.15	10.77	178.02	148.81	-27.26	1,001.77	980.80	20.97	47.777	
4,000.00	3,889.59	3,901.18	3,898.59	12.48	11.04	178.03	147.96	-27.97	1,026.53	1,005.04	21.49	47.771	
4,100.00	3,986.25	4,004.29	3,995.46	12.81	11.31	178.03	147.12	-28.67	1,051.30	1,029.27	22.03	47.730	
4,200.00	4,082.91	4,107.41	4,092.34	13.14	11.58	178.04	146.28	-29.38	1,076.07	1,053.50	22.57	47.680	
4,300.00	4,179.57	4,189.48	4,189.22	13.48	11.80	178.05	145.44	-30.09	1,100.83	1,077.77	23.06	47.737	
4,400.00	4,276.23	4,286.36	4,286.10	13.83	12.06	178.06	144.60	-30.79	1,125.60	1,102.00	23.60	47.703	
4,500.00	4,372.89	4,383.24	4,382.98	14.18	12.32	178.07	143.75	-31.50	1,150.37	1,126.23	24.14	47.662	
4,600.00	4,469.55	4,480.13	4,479.85	14.53	12.57	178.07	142.91	-32.21	1,175.14	1,150.46	24.68	47.615	
4,700.00	4,566.21	4,577.01	4,576.73	14.88	12.83	178.08	142.07	-32.91	1,199.90	1,174.67	25.23	47.563	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	160.30	-1.11	160.30				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	160.30	-1.11	160.30	152.77	7.53	21.292	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	160.30	-1.11	160.30	152.73	7.57	21.165	CC, ES
300.00	299.98	300.95	300.94	3.34	3.34	176.93	159.78	-1.83	161.53	153.88	7.65	21.108	SF
400.00	399.84	400.83	400.82	3.40	3.40	176.73	159.17	-2.66	166.16	158.39	7.77	21.382	
500.00	499.45	500.50	500.48	3.49	3.48	176.61	158.57	-3.49	174.27	166.34	7.94	21.961	
600.00	598.70	600.18	599.80	3.60	3.58	176.55	157.97	-4.32	185.85	177.71	8.14	22.821	
700.00	697.47	701.32	698.65	3.75	3.70	176.56	157.37	-5.15	200.88	192.49	8.40	23.925	
800.00	795.62	803.05	796.92	3.95	3.84	176.62	156.77	-5.96	219.35	210.66	8.69	25.240	
900.00	893.06	905.48	894.49	4.19	3.99	176.71	156.18	-6.78	241.23	232.20	9.03	26.727	
1,000.00	989.79	1,008.58	991.38	4.48	4.16	176.83	155.60	-7.58	265.94	256.54	9.40	28.300	
1,100.00	1,086.45	1,088.24	1,088.19	4.80	4.30	176.95	155.01	-8.39	290.95	281.21	9.74	29.863	
1,200.00	1,183.11	1,185.06	1,185.01	5.15	4.48	177.04	154.43	-9.20	315.97	305.83	10.14	31.151	
1,300.00	1,279.77	1,281.88	1,281.82	5.52	4.66	177.12	153.84	-10.00	340.99	330.42	10.57	32.272	
1,400.00	1,376.43	1,378.70	1,378.64	5.90	4.85	177.19	153.25	-10.81	366.01	355.00	11.01	33.247	
1,500.00	1,473.09	1,475.52	1,475.45	6.30	5.05	177.25	152.67	-11.62	391.02	379.56	11.47	34.095	
1,600.00	1,569.75	1,572.34	1,572.26	6.72	5.26	177.31	152.08	-12.42	416.04	404.10	11.94	34.835	
1,700.00	1,666.41	1,669.15	1,669.08	7.14	5.47	177.36	151.50	-13.23	441.06	428.63	12.43	35.480	
1,800.00	1,763.07	1,765.97	1,765.89	7.57	5.69	177.40	150.91	-14.04	466.08	453.15	12.93	36.045	
1,900.00	1,859.73	1,862.79	1,862.70	7.81	5.84	177.44	150.32	-14.84	491.10	478.23	12.87	38.166	
2,000.00	1,956.39	1,959.61	1,959.52	7.87	5.89	177.47	149.74	-15.65	516.12	503.18	12.94	39.885	
2,100.00	2,053.05	2,056.43	2,056.33	7.96	5.91	177.50	149.15	-16.46	541.14	528.14	13.00	41.624	
2,200.00	2,149.71	2,153.25	2,153.15	8.07	5.94	177.53	148.57	-17.26	566.16	553.07	13.09	43.249	
2,300.00	2,246.37	2,250.07	2,249.96	8.19	5.98	177.56	147.98	-18.07	591.18	577.97	13.21	44.753	
2,400.00	2,343.03	2,346.89	2,346.77	8.34	6.04	177.58	147.39	-18.88	616.20	602.84	13.36	46.131	
2,500.00	2,439.69	2,443.71	2,443.59	8.50	6.10	177.61	146.81	-19.68	641.22	627.69	13.53	47.383	
2,600.00	2,536.35	2,540.53	2,540.40	8.68	6.18	177.63	146.22	-20.49	666.24	652.51	13.73	48.510	
2,700.00	2,633.01	2,637.34	2,637.22	8.88	6.27	177.64	145.64	-21.30	691.26	677.30	13.96	49.515	
2,800.00	2,729.67	2,734.16	2,734.03	9.09	6.37	177.66	145.05	-22.10	716.28	702.07	14.21	50.404	
2,900.00	2,826.33	2,830.98	2,830.84	9.32	6.47	177.68	144.46	-22.91	741.31	726.82	14.48	51.182	
3,000.00	2,922.99	2,927.80	2,927.66	9.56	6.59	177.69	143.88	-23.72	766.33	751.55	14.78	51.857	
3,100.00	3,019.65	3,024.62	3,024.47	9.81	6.72	177.71	143.29	-24.52	791.35	776.26	15.09	52.437	
3,200.00	3,116.31	3,121.44	3,121.29	10.07	6.85	177.72	142.71	-25.33	816.37	800.94	15.42	52.928	
3,300.00	3,212.97	3,218.26	3,218.10	10.34	6.99	177.74	142.12	-26.14	841.39	825.62	15.77	53.340	
3,400.00	3,309.63	3,315.08	3,314.91	10.63	7.14	177.75	141.53	-26.94	866.41	850.27	16.14	53.679	
3,500.00	3,406.29	3,411.90	3,411.73	10.92	7.29	177.76	140.95	-27.75	891.43	874.91	16.52	53.955	
3,600.00	3,502.95	3,508.71	3,508.54	11.21	7.45	177.77	140.36	-28.56	916.45	899.54	16.92	54.172	
3,700.00	3,599.61	3,605.53	3,605.35	11.52	7.62	177.78	139.77	-29.36	941.47	924.15	17.33	54.338	
3,800.00	3,696.27	3,702.35	3,702.17	11.83	7.79	177.79	139.19	-30.17	966.49	948.75	17.75	54.460	
3,900.00	3,792.93	3,800.83	3,798.98	12.15	7.97	177.80	138.60	-30.98	991.52	973.33	18.18	54.532	
4,000.00	3,889.59	3,904.01	3,895.80	12.48	8.17	177.81	138.02	-31.78	1,016.54	997.90	18.64	54.543	
4,100.00	3,986.25	4,007.19	3,992.61	12.81	8.37	177.82	137.43	-32.59	1,041.56	1,022.46	19.10	54.524	
4,200.00	4,082.91	4,089.63	4,089.42	13.14	8.53	177.82	136.84	-33.39	1,066.58	1,047.04	19.54	54.595	
4,300.00	4,179.57	4,186.45	4,186.24	13.48	8.73	177.83	136.26	-34.20	1,091.60	1,071.59	20.01	54.563	
4,400.00	4,276.23	4,283.27	4,283.05	13.83	8.93	177.84	135.67	-35.01	1,116.62	1,096.14	20.48	54.511	
4,500.00	4,372.89	4,380.09	4,379.87	14.18	9.13	177.85	135.09	-35.81	1,141.64	1,120.67	20.97	54.443	
4,600.00	4,469.55	4,476.90	4,476.68	14.53	9.34	177.85	134.50	-36.62	1,166.66	1,145.20	21.46	54.361	
4,700.00	4,566.21	4,573.72	4,573.49	14.88	9.55	177.86	133.91	-37.43	1,191.69	1,169.73	21.96	54.266	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance 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	200.01				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	200.00	-1.39	200.01	192.48	7.53	26.565	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	200.00	-1.39	200.01	192.43	7.57	26.407	CC, ES, SF
300.00	299.98	305.05	294.93	3.34	3.35	177.04	201.42	-1.88	203.24	195.58	7.66	26.527	
400.00	399.84	405.35	394.60	3.40	3.42	176.88	203.89	-2.73	210.94	203.15	7.79	27.074	
500.00	499.45	505.99	493.93	3.49	3.51	176.77	206.35	-3.58	222.12	214.15	7.97	27.882	
600.00	598.70	607.07	592.81	3.60	3.62	176.72	208.80	-4.42	236.75	228.56	8.19	28.923	
700.00	697.47	708.72	691.13	3.75	3.75	176.72	211.23	-5.26	254.82	246.37	8.45	30.165	
800.00	795.62	788.94	788.76	3.95	3.86	176.75	213.65	-6.09	276.30	267.58	8.72	31.694	
900.00	893.06	885.79	885.57	4.19	4.01	176.81	216.05	-6.92	301.18	292.13	9.05	33.289	
1,000.00	989.79	981.88	981.63	4.48	4.16	176.90	218.43	-7.74	328.86	319.45	9.41	34.953	
1,100.00	1,086.45	1,077.88	1,077.60	4.80	4.33	176.99	220.80	-8.56	356.85	347.06	9.78	36.477	
1,200.00	1,183.11	1,173.89	1,173.57	5.15	4.51	177.07	223.18	-9.37	384.84	374.65	10.18	37.795	
1,300.00	1,279.77	1,269.89	1,269.54	5.52	4.70	177.13	225.55	-10.19	412.82	402.22	10.60	38.933	
1,400.00	1,376.43	1,365.89	1,365.51	5.90	4.89	177.19	227.93	-11.01	440.81	429.77	11.04	39.913	
1,500.00	1,473.09	1,461.89	1,461.48	6.30	5.09	177.24	230.31	-11.83	468.80	457.30	11.50	40.759	
1,600.00	1,569.75	1,557.89	1,557.45	6.72	5.29	177.29	232.68	-12.65	496.79	484.82	11.97	41.489	
1,700.00	1,666.41	1,653.90	1,653.42	7.14	5.51	177.33	235.06	-13.46	524.78	512.32	12.46	42.119	
1,800.00	1,763.07	1,749.90	1,749.39	7.57	5.72	177.36	237.44	-14.28	552.77	539.81	12.96	42.666	
1,900.00	1,859.73	1,845.90	1,845.36	7.81	5.89	177.40	239.81	-15.10	580.76	567.85	12.91	44.977	
2,000.00	1,956.39	1,941.90	1,941.33	7.87	5.96	177.42	242.19	-15.92	608.75	595.74	13.00	46.813	
2,100.00	2,053.05	2,037.91	2,037.29	7.96	5.97	177.45	244.56	-16.74	636.74	623.68	13.06	48.747	
2,200.00	2,149.71	2,133.91	2,133.26	8.07	6.00	177.48	246.94	-17.55	664.73	651.58	13.15	50.551	
2,300.00	2,246.37	2,229.91	2,229.23	8.19	6.04	177.50	249.32	-18.37	692.72	679.45	13.27	52.217	
2,400.00	2,343.03	2,325.91	2,325.20	8.34	6.10	177.52	251.69	-19.19	720.71	707.30	13.41	53.743	
2,500.00	2,439.69	2,421.92	2,421.17	8.50	6.16	177.54	254.07	-20.01	748.70	735.12	13.58	55.126	
2,600.00	2,536.35	2,517.92	2,517.14	8.68	6.23	177.56	256.44	-20.83	776.69	762.91	13.78	56.368	
2,700.00	2,633.01	2,613.92	2,613.11	8.88	6.32	177.57	258.82	-21.65	804.68	790.68	14.00	57.473	
2,800.00	2,729.67	2,709.92	2,709.08	9.09	6.41	177.59	261.20	-22.46	832.67	818.43	14.25	58.447	
2,900.00	2,826.33	2,805.93	2,805.05	9.32	6.51	177.61	263.57	-23.28	860.66	846.15	14.51	59.296	
3,000.00	2,922.99	2,901.93	2,901.02	9.56	6.62	177.62	265.95	-24.10	888.65	873.85	14.80	60.029	
3,100.00	3,019.65	2,997.93	2,996.99	9.81	6.74	177.63	268.32	-24.92	916.64	901.53	15.11	60.654	
3,200.00	3,116.31	3,106.07	3,092.96	10.07	6.89	177.64	270.70	-25.74	944.64	929.18	15.46	61.113	
3,300.00	3,212.97	3,189.94	3,188.93	10.34	7.01	177.66	273.08	-26.55	972.63	956.84	15.79	61.616	
3,400.00	3,309.63	3,285.94	3,284.90	10.63	7.15	177.67	275.45	-27.37	1,000.62	984.47	16.15	61.972	
3,500.00	3,406.29	3,381.94	3,380.87	10.92	7.30	177.68	277.83	-28.19	1,028.61	1,012.09	16.52	62.254	
3,600.00	3,502.95	3,477.94	3,476.84	11.21	7.46	177.69	280.21	-29.01	1,056.60	1,039.69	16.91	62.473	
3,700.00	3,599.61	3,573.95	3,572.81	11.52	7.62	177.69	282.58	-29.83	1,084.59	1,067.27	17.32	62.634	
3,800.00	3,696.27	3,669.95	3,668.78	11.83	7.79	177.70	284.96	-30.65	1,112.58	1,094.85	17.73	62.744	
3,900.00	3,792.93	3,765.95	3,764.75	12.15	7.97	177.71	287.33	-31.46	1,140.57	1,122.41	18.16	62.811	
4,000.00	3,889.59	3,861.95	3,860.72	12.48	8.14	177.72	289.71	-32.28	1,168.56	1,149.97	18.60	62.838	
4,100.00	3,986.25	3,957.96	3,956.69	12.81	8.33	177.73	292.09	-33.10	1,196.55	1,177.51	19.04	62.832	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.34	140.25	-0.84	140.26				
100.00	100.00	100.00	100.00	3.28	3.28	-0.34	140.25	-0.84	140.26	132.73	7.53	18.629	
200.00	200.00	200.00	200.00	3.31	3.31	-0.34	140.25	-0.84	140.26	132.68	7.57	18.518	
300.00	299.98	305.02	305.00	3.34	3.35	177.08	138.37	-1.24	140.21	132.56	7.65	18.323	
315.35	315.32	321.15	321.11	3.35	3.36	177.03	137.75	-1.37	140.19	132.53	7.67	18.286	CC, ES
400.00	399.84	405.12	405.03	3.40	3.41	176.86	134.70	-2.02	141.78	134.01	7.77	18.257	SF
500.00	499.45	504.99	504.82	3.49	3.48	176.71	131.03	-2.80	146.83	138.90	7.93	18.526	
600.00	598.70	604.62	604.38	3.60	3.58	176.66	127.38	-3.57	155.35	147.23	8.13	19.110	
700.00	697.47	703.89	703.59	3.75	3.70	176.67	123.73	-4.35	167.35	158.97	8.38	19.978	
800.00	795.62	802.69	802.31	3.95	3.84	176.74	120.11	-5.12	182.79	174.13	8.66	21.098	
900.00	893.06	900.88	900.44	4.19	3.99	176.85	116.51	-5.88	201.67	192.68	8.99	22.432	
1,000.00	989.79	1,001.51	997.98	4.48	4.15	176.98	112.92	-6.64	223.40	214.05	9.36	23.877	
1,100.00	1,086.45	1,103.97	1,095.45	4.80	4.33	177.11	109.35	-7.41	245.44	235.70	9.74	25.190	
1,200.00	1,183.11	1,206.43	1,192.92	5.15	4.53	177.21	105.77	-8.17	267.48	257.32	10.16	26.332	
1,300.00	1,279.77	1,308.89	1,290.39	5.52	4.73	177.30	102.19	-8.93	289.52	278.92	10.60	27.323	
1,400.00	1,376.43	1,388.65	1,387.86	5.90	4.90	177.38	98.61	-9.69	311.56	300.55	11.01	28.302	
1,500.00	1,473.09	1,486.19	1,485.33	6.30	5.10	177.45	95.03	-10.45	333.60	322.13	11.47	29.077	
1,600.00	1,569.75	1,583.73	1,582.81	6.72	5.32	177.50	91.45	-11.21	355.64	343.69	11.95	29.754	
1,700.00	1,666.41	1,681.27	1,680.28	7.14	5.54	177.56	87.87	-11.97	377.68	365.24	12.45	30.346	
1,800.00	1,763.07	1,778.81	1,777.75	7.57	5.76	177.60	84.29	-12.73	399.72	386.77	12.95	30.865	
1,900.00	1,859.73	1,876.35	1,875.22	7.81	5.90	177.64	80.71	-13.49	421.77	408.89	12.87	32.763	
2,000.00	1,956.39	1,973.89	1,972.69	7.87	5.94	177.68	77.13	-14.25	443.81	430.88	12.93	34.318	
2,100.00	2,053.05	2,071.43	2,070.16	7.96	5.97	177.71	73.55	-15.01	465.85	452.86	12.99	35.851	
2,200.00	2,149.71	2,168.97	2,167.63	8.07	6.00	177.74	69.97	-15.77	487.89	474.80	13.09	37.281	
2,300.00	2,246.37	2,266.51	2,265.11	8.19	6.05	177.77	66.39	-16.54	509.93	496.73	13.21	38.605	
2,400.00	2,343.03	2,364.05	2,362.58	8.34	6.11	177.79	62.81	-17.30	531.98	518.62	13.36	39.818	
2,500.00	2,439.69	2,461.59	2,460.05	8.50	6.18	177.82	59.23	-18.06	554.02	540.48	13.54	40.920	
2,600.00	2,536.35	2,559.13	2,557.52	8.68	6.27	177.84	55.66	-18.82	576.06	562.32	13.74	41.912	
2,700.00	2,633.01	2,656.67	2,654.99	8.88	6.36	177.86	52.08	-19.58	598.10	584.13	13.98	42.796	
2,800.00	2,729.67	2,754.21	2,752.46	9.09	6.47	177.88	48.50	-20.34	620.15	605.92	14.23	43.578	
2,900.00	2,826.33	2,851.75	2,849.94	9.32	6.58	177.90	44.92	-21.10	642.19	627.68	14.51	44.262	
3,000.00	2,922.99	2,949.29	2,947.41	9.56	6.70	177.91	41.34	-21.86	664.23	649.43	14.81	44.856	
3,100.00	3,019.65	3,046.83	3,044.88	9.81	6.84	177.93	37.76	-22.62	686.28	671.15	15.13	45.365	
3,200.00	3,116.31	3,144.37	3,142.35	10.07	6.98	177.94	34.18	-23.38	708.32	692.85	15.47	45.798	
3,300.00	3,212.97	3,241.91	3,239.82	10.34	7.13	177.95	30.60	-24.14	730.36	714.54	15.82	46.160	
3,400.00	3,309.63	3,339.45	3,337.29	10.63	7.28	177.97	27.02	-24.90	752.41	736.21	16.19	46.460	
3,500.00	3,406.29	3,436.99	3,434.76	10.92	7.44	177.98	23.44	-25.67	774.45	757.87	16.58	46.704	
3,600.00	3,502.95	3,534.53	3,532.24	11.21	7.61	177.99	19.86	-26.43	796.49	779.51	16.98	46.897	
3,700.00	3,599.61	3,632.07	3,629.71	11.52	7.79	178.00	16.28	-27.19	818.53	801.14	17.40	47.045	
3,800.00	3,696.27	3,729.61	3,727.18	11.83	7.97	178.01	12.70	-27.95	840.58	822.75	17.83	47.154	
3,900.00	3,792.93	3,827.15	3,824.65	12.15	8.16	178.02	9.12	-28.71	862.62	844.36	18.26	47.229	
4,000.00	3,889.59	3,924.69	3,922.12	12.48	8.35	178.03	5.54	-29.47	884.66	865.95	18.71	47.274	
4,100.00	3,986.25	4,022.23	4,019.59	12.81	8.54	178.04	1.97	-30.23	906.71	887.54	19.17	47.292	
4,200.00	4,082.91	4,119.77	4,117.06	13.14	8.74	178.05	-1.61	-30.99	928.75	909.11	19.64	47.288	
4,300.00	4,179.57	4,217.31	4,214.54	13.48	8.95	178.05	-5.19	-31.75	950.79	930.68	20.12	47.264	
4,400.00	4,276.23	4,314.85	4,312.01	13.83	9.15	178.06	-8.77	-32.51	972.84	952.24	20.60	47.224	
4,500.00	4,372.89	4,412.39	4,409.48	14.18	9.36	178.07	-12.35	-33.27	994.88	973.79	21.09	47.169	
4,600.00	4,469.55	4,509.93	4,506.95	14.53	9.58	178.07	-15.93	-34.03	1,016.92	995.33	21.59	47.101	
4,700.00	4,566.21	4,607.47	4,604.42	14.88	9.80	178.08	-19.51	-34.79	1,038.97	1,016.87	22.09	47.023	
4,800.00	4,662.87	4,705.01	4,701.89	15.24	10.02	178.09	-23.09	-35.56	1,061.01	1,038.41	22.61	46.937	
4,900.00	4,759.53	4,802.55	4,799.36	15.60	10.24	178.09	-26.67	-36.32	1,083.05	1,059.93	23.12	46.843	
5,000.00	4,856.19	4,900.09	4,896.84	15.97	10.46	178.10	-30.25	-37.08	1,105.10	1,081.46	23.64	46.743	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	5,002.37	4,994.31	16.33	10.70	178.10	-33.83	-37.84	1,127.14	1,102.96	24.18	46.616	
5,200.00	5,049.52	5,104.83	5,091.78	16.70	10.94	178.11	-37.41	-38.60	1,149.18	1,124.46	24.72	46.486	
5,300.00	5,146.18	5,207.29	5,189.25	17.07	11.19	178.12	-40.99	-39.36	1,171.23	1,145.96	25.27	46.353	
5,400.00	5,242.84	5,309.75	5,286.72	17.45	11.43	178.12	-44.57	-40.12	1,193.27	1,167.45	25.82	46.219	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.37	260.11	-1.67	260.11				
100.00	100.00	100.00	100.00	3.28	3.28	-0.37	260.11	-1.67	260.11	252.58	7.53	34.549	
200.00	200.00	200.00	200.00	3.31	3.31	-0.37	260.11	-1.67	260.11	252.54	7.57	34.343	CC, ES, SF
300.00	299.98	291.61	291.59	3.34	3.35	177.17	261.56	-1.81	263.45	255.79	7.65	34.419	
400.00	399.84	382.61	382.49	3.40	3.41	177.12	265.90	-2.23	273.43	265.65	7.77	35.175	
500.00	499.45	478.52	478.15	3.49	3.49	177.07	272.81	-2.89	289.28	281.34	7.94	36.423	
600.00	598.70	576.61	575.96	3.60	3.60	177.04	280.03	-3.59	308.73	300.57	8.16	37.846	
700.00	697.47	673.96	673.05	3.75	3.71	177.05	287.19	-4.28	331.58	323.17	8.41	39.412	
800.00	795.62	770.45	769.27	3.95	3.85	177.07	294.29	-4.96	357.81	349.11	8.71	41.097	
900.00	893.06	865.97	864.53	4.19	4.00	177.12	301.32	-5.64	387.40	378.36	9.04	42.875	
1,000.00	989.79	960.59	958.89	4.48	4.17	177.19	308.28	-6.31	419.75	410.35	9.40	44.677	
1,100.00	1,086.45	1,055.11	1,053.15	4.80	4.34	177.26	315.24	-6.98	452.39	442.63	9.76	46.329	
1,200.00	1,183.11	1,149.62	1,147.41	5.15	4.52	177.32	322.20	-7.65	485.04	474.88	10.16	47.742	
1,300.00	1,279.77	1,244.14	1,241.67	5.52	4.72	177.38	329.15	-8.32	517.69	507.12	10.58	48.945	
1,400.00	1,376.43	1,338.66	1,335.93	5.90	4.92	177.43	336.11	-8.99	550.34	539.33	11.01	49.970	
1,500.00	1,473.09	1,433.18	1,430.19	6.30	5.13	177.47	343.06	-9.66	582.99	571.53	11.47	50.842	
1,600.00	1,569.75	1,527.70	1,524.45	6.72	5.34	177.51	350.02	-10.33	615.64	603.71	11.94	51.582	
1,700.00	1,666.41	1,622.22	1,618.71	7.14	5.56	177.54	356.98	-11.00	648.29	635.88	12.42	52.212	
1,800.00	1,763.07	1,716.74	1,712.97	7.57	5.78	177.58	363.93	-11.67	680.94	668.03	12.91	52.748	
1,900.00	1,859.73	1,811.26	1,807.23	7.81	6.01	177.61	370.89	-12.34	713.59	700.67	12.92	55.226	
2,000.00	1,956.39	1,905.77	1,901.49	7.87	6.24	177.63	377.84	-13.01	746.25	733.08	13.17	56.662	
2,100.00	2,053.05	2,000.29	1,995.75	7.96	6.48	177.66	384.80	-13.68	778.90	765.46	13.44	57.955	
2,200.00	2,149.71	2,105.19	2,090.01	8.07	6.75	177.68	391.76	-14.35	811.55	797.79	13.76	58.999	
2,300.00	2,246.37	2,189.33	2,184.27	8.19	6.96	177.70	398.71	-15.02	844.20	830.16	14.04	60.130	
2,400.00	2,343.03	2,283.85	2,278.53	8.34	7.20	177.72	405.67	-15.69	876.85	862.48	14.37	61.029	
2,500.00	2,439.69	2,378.37	2,372.79	8.50	7.45	177.73	412.62	-16.36	909.50	894.79	14.71	61.812	
2,600.00	2,536.35	2,472.89	2,467.05	8.68	7.70	177.75	419.58	-17.03	942.15	927.08	15.08	62.488	
2,700.00	2,633.01	2,567.41	2,561.31	8.88	7.95	177.77	426.54	-17.70	974.81	959.35	15.46	63.068	
2,800.00	2,729.67	2,661.93	2,655.57	9.09	8.20	177.78	433.49	-18.37	1,007.46	991.61	15.85	63.560	
2,900.00	2,826.33	2,756.44	2,749.83	9.32	8.45	177.79	440.45	-19.04	1,040.11	1,023.85	16.26	63.972	
3,000.00	2,922.99	2,850.96	2,844.09	9.56	8.71	177.81	447.40	-19.71	1,072.76	1,056.08	16.68	64.313	
3,100.00	3,019.65	2,945.48	2,938.35	9.81	8.96	177.82	454.36	-20.38	1,105.41	1,088.30	17.11	64.591	
3,200.00	3,116.31	3,040.00	3,032.61	10.07	9.22	177.83	461.32	-21.05	1,138.07	1,120.51	17.56	64.814	
3,300.00	3,212.97	3,134.52	3,126.87	10.34	9.48	177.84	468.27	-21.72	1,170.72	1,152.70	18.01	64.987	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	240.07	-1.67	240.08				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	240.07	-1.67	240.08	232.55	7.53	31.887	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	240.07	-1.67	240.08	232.50	7.57	31.698	CC, ES, SF
300.00	299.98	292.20	292.18	3.34	3.35	177.13	241.55	-1.83	243.42	235.77	7.65	31.802	
400.00	399.84	383.79	383.67	3.40	3.41	177.08	245.93	-2.29	253.43	245.65	7.77	32.598	
500.00	499.45	480.43	480.06	3.49	3.49	177.01	252.79	-3.01	269.18	261.23	7.94	33.884	
600.00	598.70	578.55	577.92	3.60	3.60	176.98	259.85	-3.75	288.47	280.31	8.16	35.352	
700.00	697.47	675.94	675.05	3.75	3.72	176.98	266.86	-4.49	311.16	302.75	8.42	36.974	
800.00	795.62	772.47	771.33	3.95	3.85	177.01	273.81	-5.22	337.24	328.53	8.71	38.721	
900.00	893.06	868.04	866.65	4.19	4.00	177.05	280.69	-5.94	366.66	357.63	9.04	40.567	
1,000.00	989.79	962.71	961.07	4.48	4.17	177.12	287.50	-6.66	398.86	389.46	9.40	42.440	
1,100.00	1,086.45	1,057.28	1,055.40	4.80	4.34	177.20	294.31	-7.37	431.35	421.59	9.77	44.159	
1,200.00	1,183.11	1,151.85	1,149.72	5.15	4.53	177.26	301.11	-8.09	463.85	453.68	10.16	45.639	
1,300.00	1,279.77	1,246.43	1,244.05	5.52	4.72	177.32	307.92	-8.80	496.34	485.76	10.58	46.910	
1,400.00	1,376.43	1,341.00	1,338.37	5.90	4.92	177.37	314.73	-9.52	528.84	517.82	11.02	47.999	
1,500.00	1,473.09	1,435.57	1,432.69	6.30	5.13	177.41	321.53	-10.23	561.34	549.86	11.47	48.934	
1,600.00	1,569.75	1,530.14	1,527.02	6.72	5.34	177.45	328.34	-10.95	593.83	581.89	11.94	49.735	
1,700.00	1,666.41	1,624.71	1,621.34	7.14	5.56	177.49	335.15	-11.66	626.33	613.91	12.42	50.423	
1,800.00	1,763.07	1,719.29	1,715.67	7.57	5.78	177.52	341.95	-12.38	658.82	645.91	12.91	51.015	
1,900.00	1,859.73	1,813.86	1,809.99	7.81	6.00	177.55	348.76	-13.10	691.32	678.41	12.91	53.549	
2,000.00	1,956.39	1,908.43	1,904.31	7.87	6.11	177.57	355.56	-13.81	723.82	710.78	13.04	55.514	
2,100.00	2,053.05	2,003.00	1,998.64	7.96	6.12	177.60	362.37	-14.53	756.31	743.22	13.09	57.763	
2,200.00	2,149.71	2,102.43	2,092.96	8.07	6.15	177.62	369.18	-15.24	788.81	775.63	13.18	59.851	
2,300.00	2,246.37	2,207.85	2,187.29	8.19	6.20	177.64	375.98	-15.96	821.31	808.01	13.30	61.760	
2,400.00	2,343.03	2,286.72	2,281.61	8.34	6.25	177.66	382.79	-16.67	853.81	840.37	13.43	63.564	
2,500.00	2,439.69	2,381.29	2,375.93	8.50	6.31	177.67	389.60	-17.39	886.30	872.70	13.60	65.170	
2,600.00	2,536.35	2,475.86	2,470.26	8.68	6.38	177.69	396.40	-18.10	918.80	905.01	13.79	66.611	
2,700.00	2,633.01	2,570.43	2,564.58	8.88	6.47	177.70	403.21	-18.82	951.30	937.29	14.01	67.894	
2,800.00	2,729.67	2,665.01	2,658.91	9.09	6.56	177.72	410.02	-19.53	983.80	969.54	14.25	69.023	
2,900.00	2,826.33	2,759.58	2,753.23	9.32	6.66	177.73	416.82	-20.25	1,016.29	1,001.78	14.52	70.007	
3,000.00	2,922.99	2,854.15	2,847.55	9.56	6.77	177.74	423.63	-20.96	1,048.79	1,033.99	14.80	70.855	
3,100.00	3,019.65	2,948.72	2,941.88	9.81	6.89	177.75	430.44	-21.68	1,081.29	1,066.18	15.11	71.578	
3,200.00	3,116.31	3,043.29	3,036.20	10.07	7.02	177.77	437.24	-22.40	1,113.79	1,098.36	15.43	72.185	
3,300.00	3,212.97	3,137.87	3,130.53	10.34	7.16	177.78	444.05	-23.11	1,146.28	1,130.51	15.77	72.687	
3,400.00	3,309.63	3,232.44	3,224.85	10.63	7.30	177.79	450.86	-23.83	1,178.78	1,162.66	16.13	73.093	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.36	220.03	-1.39	220.04				
100.00	100.00	100.00	100.00	3.28	3.28	-0.36	220.03	-1.39	220.04	212.51	7.53	29.226	
200.00	200.00	200.00	200.00	3.31	3.31	-0.36	220.03	-1.39	220.04	212.46	7.57	29.052	CC, ES, SF
300.00	299.98	292.85	292.83	3.34	3.35	177.14	221.52	-1.64	223.38	215.73	7.65	29.182	
400.00	399.84	389.31	389.20	3.40	3.41	177.03	225.65	-2.33	232.87	225.09	7.78	29.935	
500.00	499.45	488.42	488.21	3.49	3.50	176.96	230.17	-3.09	246.11	238.16	7.95	30.951	
600.00	598.70	587.02	586.70	3.60	3.60	176.92	234.66	-3.84	262.80	254.64	8.17	32.179	
700.00	697.47	684.97	684.54	3.75	3.72	176.93	239.13	-4.59	282.92	274.50	8.42	33.592	
800.00	795.62	782.16	781.63	3.95	3.86	176.96	243.56	-5.33	306.44	297.72	8.72	35.159	
900.00	893.06	878.47	877.84	4.19	4.00	177.01	247.95	-6.06	333.33	324.28	9.04	36.853	
1,000.00	989.79	973.96	973.22	4.48	4.16	177.09	252.31	-6.79	363.01	353.60	9.41	38.596	
1,100.00	1,086.45	1,069.36	1,068.52	4.80	4.33	177.17	256.66	-7.52	392.99	383.22	9.78	40.195	
1,200.00	1,183.11	1,164.75	1,163.82	5.15	4.51	177.24	261.01	-8.25	422.98	412.81	10.17	41.573	
1,300.00	1,279.77	1,260.15	1,259.11	5.52	4.70	177.31	265.36	-8.98	452.97	442.37	10.59	42.758	
1,400.00	1,376.43	1,355.55	1,354.41	5.90	4.89	177.36	269.71	-9.71	482.95	471.92	11.03	43.777	
1,500.00	1,473.09	1,450.95	1,449.70	6.30	5.09	177.41	274.06	-10.43	512.94	501.45	11.49	44.652	
1,600.00	1,569.75	1,546.34	1,545.00	6.72	5.30	177.45	278.41	-11.16	542.92	530.97	11.96	45.404	
1,700.00	1,666.41	1,641.74	1,640.29	7.14	5.51	177.49	282.76	-11.89	572.91	560.47	12.44	46.051	
1,800.00	1,763.07	1,737.14	1,735.59	7.57	5.73	177.52	287.11	-12.62	602.90	589.96	12.94	46.609	
1,900.00	1,859.73	1,832.53	1,830.88	7.81	5.95	177.55	291.46	-13.35	632.89	619.94	12.94	48.892	
2,000.00	1,956.39	1,927.93	1,926.18	7.87	6.18	177.58	295.81	-14.07	662.87	649.68	13.19	50.251	
2,100.00	2,053.05	2,023.33	2,021.47	7.96	6.40	177.61	300.16	-14.80	692.86	679.40	13.46	51.480	
2,200.00	2,149.71	2,118.73	2,116.77	8.07	6.64	177.63	304.51	-15.53	722.85	709.10	13.75	52.583	
2,300.00	2,246.37	2,214.12	2,212.06	8.19	6.87	177.65	308.86	-16.26	752.84	738.78	14.05	53.564	
2,400.00	2,343.03	2,309.52	2,307.36	8.34	7.10	177.67	313.21	-16.99	782.83	768.44	14.38	54.432	
2,500.00	2,439.69	2,404.92	2,402.66	8.50	7.34	177.69	317.56	-17.71	812.81	798.09	14.73	55.194	
2,600.00	2,536.35	2,500.32	2,497.95	8.68	7.58	177.71	321.91	-18.44	842.80	827.71	15.09	55.858	
2,700.00	2,633.01	2,604.29	2,593.25	8.88	7.85	177.72	326.26	-19.17	872.79	857.30	15.49	56.352	
2,800.00	2,729.67	2,708.89	2,688.54	9.09	8.11	177.74	330.61	-19.90	902.78	886.87	15.90	56.761	
2,900.00	2,826.33	2,786.51	2,783.84	9.32	8.31	177.75	334.96	-20.63	932.77	916.50	16.27	57.340	
3,000.00	2,922.99	2,881.91	2,879.13	9.56	8.56	177.76	339.31	-21.35	962.75	946.07	16.69	57.692	
3,100.00	3,019.65	2,977.30	2,974.43	9.81	8.81	177.78	343.66	-22.08	992.74	975.62	17.12	57.984	
3,200.00	3,116.31	3,072.70	3,069.72	10.07	9.06	177.79	348.01	-22.81	1,022.73	1,005.17	17.57	58.224	
3,300.00	3,212.97	3,168.10	3,165.02	10.34	9.31	177.80	352.36	-23.54	1,052.72	1,034.70	18.02	58.417	
3,400.00	3,309.63	3,263.50	3,260.31	10.63	9.56	177.81	356.71	-24.26	1,082.71	1,064.22	18.49	58.569	
3,500.00	3,406.29	3,358.89	3,355.61	10.92	9.81	177.82	361.06	-24.99	1,112.70	1,093.74	18.96	58.686	
3,600.00	3,502.95	3,454.29	3,450.90	11.21	10.06	177.83	365.41	-25.72	1,142.68	1,123.24	19.44	58.771	
3,700.00	3,599.61	3,549.69	3,546.20	11.52	10.31	177.84	369.76	-26.45	1,172.67	1,152.74	19.93	58.830	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	31.62	241.16	148.50	283.22				
100.00	100.00	101.00	99.00	3.28	3.28	31.62	241.16	148.50	283.22	275.69	7.53	37.617	
200.00	200.00	199.00	199.00	3.31	3.30	31.62	241.16	148.50	283.22	275.64	7.57	37.395	CC, ES
300.00	299.98	291.87	291.85	3.34	3.34	-150.77	241.65	149.89	285.97	278.32	7.65	37.370	SF
400.00	399.84	384.25	384.12	3.40	3.40	-150.61	243.13	154.09	294.28	286.51	7.77	37.875	
500.00	499.45	475.79	475.36	3.49	3.48	-150.34	245.56	161.01	308.09	300.16	7.93	38.844	
600.00	598.70	566.09	565.10	3.60	3.58	-149.99	248.90	170.54	327.34	319.20	8.14	40.226	
700.00	697.47	662.70	660.89	3.75	3.71	-149.71	253.05	182.35	350.90	342.50	8.40	41.759	
800.00	795.62	759.11	756.49	3.95	3.87	-149.67	257.19	194.15	377.39	368.68	8.72	43.287	
900.00	893.06	854.64	851.21	4.19	4.04	-149.83	261.30	205.83	406.79	397.72	9.08	44.825	
1,000.00	989.79	949.34	945.11	4.48	4.23	-150.29	265.37	217.42	438.63	429.15	9.47	46.307	
1,100.00	1,086.45	1,043.95	1,038.92	4.80	4.44	-150.83	269.43	228.99	470.76	460.87	9.89	47.611	
1,200.00	1,183.11	1,138.56	1,132.73	5.15	4.65	-151.30	273.50	240.57	502.92	492.59	10.33	48.676	
1,300.00	1,279.77	1,233.17	1,226.54	5.52	4.88	-151.72	277.56	252.14	535.11	524.31	10.80	49.538	
1,400.00	1,376.43	1,327.78	1,320.36	5.90	5.12	-152.08	281.63	263.71	567.33	556.03	11.29	50.236	
1,500.00	1,473.09	1,422.39	1,414.17	6.30	5.37	-152.41	285.69	275.29	599.56	587.76	11.80	50.799	
1,600.00	1,569.75	1,517.00	1,507.98	6.72	5.62	-152.71	289.75	286.86	631.81	619.48	12.33	51.247	
1,700.00	1,666.41	1,611.61	1,601.79	7.14	5.88	-152.97	293.82	298.44	664.07	651.20	12.87	51.604	
1,800.00	1,763.07	1,706.22	1,695.60	7.57	6.14	-153.22	297.88	310.01	696.34	682.92	13.42	51.886	
1,900.00	1,859.73	1,800.83	1,789.41	7.81	6.41	-153.44	301.95	321.59	728.63	714.98	13.65	53.376	
2,000.00	1,956.39	1,904.56	1,883.22	7.87	6.72	-153.64	306.01	333.16	760.92	747.13	13.79	55.160	
2,100.00	2,053.05	2,009.95	1,977.03	7.96	7.03	-153.82	310.08	344.73	793.22	779.08	14.14	56.106	
2,200.00	2,149.71	2,084.66	2,070.85	8.07	7.25	-153.99	314.14	356.31	825.53	811.11	14.42	57.266	
2,300.00	2,246.37	2,179.27	2,164.66	8.19	7.53	-154.15	318.21	367.88	857.84	843.07	14.77	58.081	
2,400.00	2,343.03	2,273.88	2,258.47	8.34	7.82	-154.30	322.27	379.46	890.16	875.02	15.14	58.784	
2,500.00	2,439.69	2,368.49	2,352.28	8.50	8.11	-154.43	326.34	391.03	922.48	906.95	15.53	59.383	
2,600.00	2,536.35	2,463.10	2,446.09	8.68	8.40	-154.56	330.40	402.60	954.81	938.87	15.94	59.888	
2,700.00	2,633.01	2,557.71	2,539.90	8.88	8.70	-154.68	334.47	414.18	987.14	970.77	16.37	60.308	
2,800.00	2,729.67	2,652.32	2,633.71	9.09	8.99	-154.79	338.53	425.75	1,019.48	1,002.67	16.81	60.652	
2,900.00	2,826.33	2,746.93	2,727.52	9.32	9.29	-154.89	342.60	437.33	1,051.82	1,034.55	17.26	60.928	
3,000.00	2,922.99	2,841.54	2,821.34	9.56	9.59	-154.99	346.66	448.90	1,084.16	1,066.43	17.73	61.145	
3,100.00	3,019.65	2,936.15	2,915.15	9.81	9.89	-155.09	350.72	460.48	1,116.50	1,098.29	18.21	61.309	
3,200.00	3,116.31	3,030.76	3,008.96	10.07	10.19	-155.17	354.79	472.05	1,148.85	1,130.15	18.70	61.427	
3,300.00	3,212.97	3,125.37	3,102.77	10.34	10.49	-155.25	358.85	483.62	1,181.20	1,161.99	19.20	61.505	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	33.88	221.13	148.50	266.37				
100.00	100.00	101.00	99.00	3.28	3.28	33.88	221.13	148.50	266.37	258.84	7.53	35.379	
200.00	200.00	199.00	199.00	3.31	3.30	33.88	221.13	148.50	266.37	258.79	7.57	35.171	CC, ES
300.00	299.98	292.18	292.17	3.34	3.34	-148.52	221.59	149.91	269.11	261.46	7.65	35.166	SF
400.00	399.84	384.88	384.75	3.40	3.40	-148.39	222.97	154.17	277.37	269.60	7.77	35.699	
500.00	499.45	476.75	476.32	3.49	3.49	-148.17	225.26	161.20	291.11	283.18	7.93	36.702	
600.00	598.70	567.39	566.39	3.60	3.59	-147.89	228.40	170.87	310.25	302.11	8.14	38.123	
700.00	697.47	662.75	660.88	3.75	3.72	-147.65	232.36	183.05	333.98	325.58	8.40	39.750	
800.00	795.62	759.11	756.36	3.95	3.87	-147.66	236.38	195.42	360.64	351.92	8.72	41.361	
900.00	893.06	854.59	850.97	4.19	4.05	-147.89	240.36	207.68	390.15	381.07	9.08	42.972	
1,000.00	989.79	949.25	944.76	4.48	4.24	-148.43	244.31	219.84	422.05	412.57	9.48	44.521	
1,100.00	1,086.45	1,043.82	1,038.46	4.80	4.45	-149.05	248.26	231.98	454.26	444.36	9.90	45.886	
1,200.00	1,183.11	1,138.38	1,132.16	5.15	4.67	-149.59	252.20	244.13	486.51	476.16	10.35	47.009	
1,300.00	1,279.77	1,232.95	1,225.86	5.52	4.90	-150.06	256.15	256.27	518.79	507.97	10.82	47.929	
1,400.00	1,376.43	1,327.51	1,319.56	5.90	5.14	-150.47	260.10	268.41	551.10	539.78	11.32	48.681	
1,500.00	1,473.09	1,422.08	1,413.26	6.30	5.39	-150.84	264.04	280.56	583.43	571.60	11.84	49.295	
1,600.00	1,569.75	1,516.65	1,506.96	6.72	5.65	-151.17	267.99	292.70	615.79	603.42	12.37	49.793	
1,700.00	1,666.41	1,611.21	1,600.66	7.14	5.92	-151.47	271.93	304.85	648.15	635.24	12.91	50.196	
1,800.00	1,763.07	1,705.78	1,694.36	7.57	6.19	-151.73	275.88	316.99	680.54	667.07	13.47	50.522	
1,900.00	1,859.73	1,800.34	1,788.05	7.81	6.46	-151.98	279.82	329.13	712.93	699.23	13.70	52.022	
2,000.00	1,956.39	1,905.09	1,881.75	7.87	6.62	-152.20	283.77	341.28	745.34	731.63	13.71	54.368	
2,100.00	2,053.05	1,989.47	1,975.45	7.96	6.64	-152.41	287.72	353.42	777.75	763.97	13.78	56.447	
2,200.00	2,149.71	2,084.04	2,069.15	8.07	6.69	-152.59	291.66	365.56	810.17	796.29	13.88	58.368	
2,300.00	2,246.37	2,178.61	2,162.85	8.19	6.74	-152.77	295.61	377.71	842.60	828.59	14.01	60.132	
2,400.00	2,343.03	2,273.17	2,256.55	8.34	6.81	-152.93	299.55	389.85	875.04	860.87	14.17	61.735	
2,500.00	2,439.69	2,367.74	2,350.25	8.50	6.88	-153.08	303.50	401.99	907.48	893.12	14.36	63.177	
2,600.00	2,536.35	2,462.30	2,443.95	8.68	6.97	-153.22	307.44	414.14	939.93	925.35	14.58	64.462	
2,700.00	2,633.01	2,556.87	2,537.65	8.88	7.07	-153.35	311.39	426.28	972.38	957.56	14.82	65.596	
2,800.00	2,729.67	2,651.43	2,631.35	9.09	7.19	-153.47	315.34	438.43	1,004.84	989.75	15.09	66.584	
2,900.00	2,826.33	2,746.00	2,725.05	9.32	7.31	-153.58	319.28	450.57	1,037.30	1,021.91	15.38	67.437	
3,000.00	2,922.99	2,840.57	2,818.75	9.56	7.44	-153.69	323.23	462.71	1,069.76	1,054.07	15.69	68.163	
3,100.00	3,019.65	2,935.13	2,912.45	9.81	7.58	-153.79	327.17	474.86	1,102.23	1,086.20	16.03	68.772	
3,200.00	3,116.31	3,029.70	3,006.15	10.07	7.73	-153.88	331.12	487.00	1,134.70	1,118.32	16.38	69.276	
3,300.00	3,212.97	3,124.26	3,099.85	10.34	7.89	-153.97	335.07	499.14	1,167.17	1,150.42	16.75	69.683	
3,400.00	3,309.63	3,218.83	3,193.55	10.63	8.06	-154.06	339.01	511.29	1,199.64	1,182.50	17.14	70.004	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	29.57	261.20	148.22	300.33				
100.00	100.00	101.00	99.00	3.28	3.28	29.57	261.20	148.22	300.33	292.80	7.53	39.890	
200.00	200.00	199.00	199.00	3.31	3.30	29.57	261.20	148.22	300.33	292.75	7.57	39.655	CC, ES
300.00	299.98	290.80	290.79	3.34	3.34	-152.85	261.90	149.48	303.22	295.57	7.65	39.624	SF
400.00	399.84	382.07	381.95	3.40	3.40	-152.75	264.00	153.28	311.93	304.16	7.77	40.149	
500.00	499.45	472.43	472.02	3.49	3.48	-152.59	267.46	159.55	326.40	318.47	7.93	41.164	
600.00	598.70	561.46	560.50	3.60	3.58	-152.38	272.21	168.16	346.56	338.42	8.13	42.616	
700.00	697.47	652.38	650.54	3.75	3.70	-152.14	278.32	179.22	372.10	363.72	8.38	44.391	
800.00	795.62	748.07	745.22	3.95	3.86	-152.06	285.01	191.35	401.10	392.41	8.69	46.132	
900.00	893.06	842.78	838.94	4.19	4.03	-152.15	291.64	203.34	433.05	424.00	9.05	47.868	
1,000.00	989.79	936.60	931.76	4.48	4.23	-152.52	298.20	215.23	467.46	458.02	9.44	49.532	
1,100.00	1,086.45	1,030.31	1,024.49	4.80	4.43	-152.99	304.75	227.10	502.16	492.31	9.84	51.007	
1,200.00	1,183.11	1,124.02	1,117.22	5.15	4.66	-153.40	311.30	238.97	536.88	526.60	10.28	52.219	
1,300.00	1,279.77	1,217.74	1,209.94	5.52	4.89	-153.75	317.86	250.84	571.63	560.88	10.74	53.207	
1,400.00	1,376.43	1,311.45	1,302.67	5.90	5.14	-154.07	324.41	262.72	606.39	595.17	11.23	54.014	
1,500.00	1,473.09	1,405.16	1,395.40	6.30	5.39	-154.35	330.96	274.59	641.17	629.44	11.73	54.667	
1,600.00	1,569.75	1,501.12	1,488.12	6.72	5.66	-154.61	337.52	286.46	675.96	663.71	12.25	55.167	
1,700.00	1,666.41	1,607.41	1,580.85	7.14	5.96	-154.83	344.07	298.33	710.76	697.94	12.82	55.447	
1,800.00	1,763.07	1,686.30	1,673.58	7.57	6.19	-155.04	350.62	310.20	745.57	732.25	13.32	55.955	
1,900.00	1,859.73	1,780.02	1,766.31	7.81	6.47	-155.23	357.18	322.07	780.39	766.84	13.55	57.580	
2,000.00	1,956.39	1,873.73	1,859.03	7.87	6.65	-155.40	363.73	333.95	815.22	801.64	13.57	60.063	
2,100.00	2,053.05	1,967.44	1,951.76	7.96	6.71	-155.56	370.29	345.82	850.05	836.37	13.67	62.163	
2,200.00	2,149.71	2,061.16	2,044.49	8.07	6.75	-155.71	376.84	357.69	884.88	871.11	13.77	64.259	
2,300.00	2,246.37	2,154.87	2,137.21	8.19	6.80	-155.84	383.39	369.56	919.72	905.83	13.90	66.182	
2,400.00	2,343.03	2,248.58	2,229.94	8.34	6.87	-155.97	389.95	381.43	954.57	940.52	14.05	67.930	
2,500.00	2,439.69	2,342.30	2,322.67	8.50	6.95	-156.08	396.50	393.30	989.42	975.18	14.24	69.503	
2,600.00	2,536.35	2,436.01	2,415.39	8.68	7.03	-156.19	403.05	405.18	1,024.27	1,009.82	14.45	70.904	
2,700.00	2,633.01	2,529.72	2,508.12	8.88	7.13	-156.29	409.61	417.05	1,059.12	1,044.44	14.68	72.138	
2,800.00	2,729.67	2,623.44	2,600.85	9.09	7.24	-156.39	416.16	428.92	1,093.98	1,079.04	14.94	73.212	
2,900.00	2,826.33	2,717.15	2,693.57	9.32	7.37	-156.47	422.71	440.79	1,128.84	1,113.61	15.23	74.137	
3,000.00	2,922.99	2,810.86	2,786.30	9.56	7.50	-156.56	429.27	452.66	1,163.70	1,148.17	15.53	74.923	
3,100.00	3,019.65	2,904.58	2,879.03	9.81	7.64	-156.64	435.82	464.53	1,198.57	1,182.71	15.86	75.580	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance 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	149.34	180.24				
100.00	100.00	101.00	99.00	3.28	3.28	55.95	100.91	149.34	180.24	172.71	7.53	23.939	
200.00	200.00	199.00	199.00	3.31	3.30	55.95	100.91	149.34	180.24	172.66	7.57	23.798	CC, ES
300.00	299.98	297.22	297.21	3.34	3.34	-126.41	99.87	150.61	181.75	174.10	7.65	23.751	SF
400.00	399.84	395.29	395.14	3.40	3.40	-126.13	96.70	154.48	186.33	178.56	7.77	23.986	
500.00	499.45	493.09	492.58	3.49	3.49	-125.69	91.43	160.93	193.96	186.02	7.94	24.441	
600.00	598.70	590.48	589.27	3.60	3.60	-125.11	84.09	169.90	204.63	196.47	8.16	25.075	
700.00	697.47	687.92	685.59	3.75	3.74	-124.46	74.73	181.32	218.29	209.84	8.45	25.829	
800.00	795.62	786.64	783.03	3.95	3.92	-124.32	64.69	193.59	234.19	225.38	8.81	26.576	
900.00	893.06	884.98	880.08	4.19	4.13	-124.79	54.69	205.81	252.05	242.81	9.24	27.289	
1,000.00	989.79	982.90	976.74	4.48	4.36	-125.83	44.73	217.97	271.62	261.91	9.72	27.951	
1,100.00	1,086.45	1,080.77	1,073.34	4.80	4.61	-126.90	34.78	230.14	291.48	281.24	10.24	28.471	
1,200.00	1,183.11	1,178.65	1,169.94	5.15	4.87	-127.83	24.83	242.30	311.42	300.63	10.79	28.854	
1,300.00	1,279.77	1,276.52	1,266.55	5.52	5.14	-128.65	14.87	254.46	331.43	320.05	11.38	29.129	
1,400.00	1,376.43	1,374.39	1,363.15	5.90	5.43	-129.38	4.92	266.62	351.50	339.51	11.99	29.322	
1,500.00	1,473.09	1,472.27	1,459.75	6.30	5.73	-130.02	-5.04	278.78	371.61	358.99	12.62	29.451	
1,600.00	1,569.75	1,570.14	1,556.36	6.72	6.03	-130.61	-14.99	290.94	391.77	378.50	13.27	29.532	
1,700.00	1,666.41	1,668.02	1,652.96	7.14	6.35	-131.13	-24.94	303.10	411.96	398.03	13.93	29.578	
1,800.00	1,763.07	1,765.89	1,749.57	7.57	6.67	-131.61	-34.90	315.27	432.18	417.58	14.60	29.597	
1,900.00	1,859.73	1,863.76	1,846.17	7.81	6.89	-132.04	-44.85	327.43	452.43	437.78	14.65	30.884	
2,000.00	1,956.39	1,961.64	1,942.77	7.87	6.98	-132.44	-54.80	339.59	472.70	457.93	14.78	31.991	
2,100.00	2,053.05	2,059.51	2,039.38	7.96	7.03	-132.80	-64.76	351.75	492.99	478.11	14.88	33.129	
2,200.00	2,149.71	2,157.39	2,135.98	8.07	7.09	-133.13	-74.71	363.91	513.30	498.28	15.02	34.173	
2,300.00	2,246.37	2,255.26	2,232.59	8.19	7.16	-133.44	-84.67	376.07	533.63	518.43	15.19	35.122	
2,400.00	2,343.03	2,353.13	2,329.19	8.34	7.25	-133.73	-94.62	388.23	553.96	538.56	15.40	35.974	
2,500.00	2,439.69	2,451.01	2,425.79	8.50	7.36	-134.00	-104.57	400.40	574.31	558.68	15.64	36.731	
2,600.00	2,536.35	2,548.88	2,522.40	8.68	7.48	-134.24	-114.53	412.56	594.68	578.77	15.90	37.397	
2,700.00	2,633.01	2,646.75	2,619.00	8.88	7.61	-134.48	-124.48	424.72	615.05	598.85	16.20	37.977	
2,800.00	2,729.67	2,744.63	2,715.60	9.09	7.75	-134.69	-134.44	436.88	635.43	618.91	16.52	38.475	
2,900.00	2,826.33	2,842.50	2,812.21	9.32	7.91	-134.90	-144.39	449.04	655.82	638.95	16.86	38.897	
3,000.00	2,922.99	2,940.38	2,908.81	9.56	8.07	-135.09	-154.34	461.20	676.21	658.98	17.23	39.250	
3,100.00	3,019.65	3,038.25	3,005.42	9.81	8.25	-135.27	-164.30	473.36	696.61	679.00	17.62	39.540	
3,200.00	3,116.31	3,136.12	3,102.02	10.07	8.43	-135.44	-174.25	485.53	717.02	698.99	18.03	39.773	
3,300.00	3,212.97	3,234.00	3,198.62	10.34	8.63	-135.60	-184.21	497.69	737.44	718.98	18.46	39.956	
3,400.00	3,309.63	3,331.87	3,295.23	10.63	8.83	-135.75	-194.16	509.85	757.86	738.95	18.90	40.094	
3,500.00	3,406.29	3,429.74	3,391.83	10.92	9.04	-135.89	-204.11	522.01	778.28	758.92	19.36	40.192	
3,600.00	3,502.95	3,527.62	3,488.43	11.21	9.25	-136.03	-214.07	534.17	798.71	778.87	19.84	40.255	
3,700.00	3,599.61	3,625.49	3,585.04	11.52	9.48	-136.16	-224.02	546.33	819.14	798.81	20.33	40.288	
3,800.00	3,696.27	3,723.37	3,681.64	11.83	9.71	-136.28	-233.97	558.49	839.58	818.74	20.84	40.294	
3,900.00	3,792.93	3,821.24	3,778.25	12.15	9.95	-136.40	-243.93	570.66	860.02	838.67	21.35	40.278	
4,000.00	3,889.59	3,919.11	3,874.85	12.48	10.19	-136.51	-253.88	582.82	880.47	858.59	21.88	40.242	
4,100.00	3,986.25	4,016.99	3,971.45	12.81	10.43	-136.62	-263.84	594.98	900.91	878.50	22.42	40.190	
4,200.00	4,082.91	4,114.86	4,068.06	13.14	10.68	-136.72	-273.79	607.14	921.36	898.40	22.96	40.123	
4,300.00	4,179.57	4,212.73	4,164.66	13.48	10.94	-136.82	-283.74	619.30	941.81	918.30	23.52	40.045	
4,400.00	4,276.23	4,310.61	4,261.27	13.83	11.20	-136.91	-293.70	631.46	962.27	938.19	24.08	39.957	
4,500.00	4,372.89	4,408.48	4,357.87	14.18	11.46	-137.00	-303.65	643.63	982.73	958.07	24.65	39.861	
4,600.00	4,469.55	4,506.36	4,454.47	14.53	11.73	-137.09	-313.61	655.79	1,003.19	977.95	25.23	39.757	
4,700.00	4,566.21	4,604.23	4,551.08	14.88	12.00	-137.17	-323.56	667.95	1,023.65	997.83	25.82	39.649	
4,800.00	4,662.87	4,702.10	4,647.68	15.24	12.27	-137.25	-333.51	680.11	1,044.11	1,017.70	26.41	39.536	
4,900.00	4,759.53	4,799.98	4,744.28	15.60	12.55	-137.33	-343.47	692.27	1,064.58	1,037.57	27.01	39.419	
5,000.00	4,856.19	4,902.15	4,840.89	15.97	12.84	-137.40	-353.42	704.43	1,085.04	1,057.42	27.62	39.283	
5,100.00	4,952.86	5,004.28	4,937.49	16.33	13.14	-137.47	-363.38	716.59	1,105.51	1,077.27	28.24	39.145	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,049.52	5,106.40	5,034.10	16.70	13.43	-137.54	-373.33	728.76	1,125.98	1,097.12	28.87	39.006	
5,300.00	5,146.18	5,208.53	5,130.70	17.07	13.73	-137.60	-383.28	740.92	1,146.46	1,116.96	29.50	38.868	
5,400.00	5,242.84	5,289.35	5,227.30	17.45	13.97	-137.67	-393.24	753.08	1,166.93	1,136.86	30.07	38.811	
5,500.00	5,339.50	5,387.22	5,323.91	17.82	14.26	-137.73	-403.19	765.24	1,187.40	1,156.71	30.69	38.688	
6,700.00	6,499.42	7,952.16	7,168.56	22.45	20.74	178.08	-589.58	-62.81	1,187.44	1,148.75	38.69	30.691	
6,800.00	6,596.08	7,953.33	7,168.56	22.84	20.76	178.02	-589.58	-63.99	1,157.87	1,118.37	39.50	29.314	
6,900.00	6,692.52	7,948.33	7,168.56	23.18	20.71	-155.29	-589.59	-58.99	1,136.38	1,096.25	40.14	28.312	
7,000.00	6,787.02	7,927.88	7,168.52	23.49	20.53	-134.50	-589.66	-38.54	1,123.51	1,083.02	40.49	27.746	
7,100.00	6,877.26	7,907.61	7,168.46	23.80	20.34	-121.71	-589.78	-3.05	1,119.03	1,078.34	40.69	27.501	
7,108.18	6,884.38	7,888.84	7,168.46	23.82	20.19	-120.87	-589.79	0.50	1,119.01	1,078.45	40.56	27.590	
7,200.00	6,961.00	7,842.72	7,168.38	24.09	19.82	-112.68	-589.94	46.62	1,121.80	1,081.40	40.40	27.767	
7,300.00	7,036.18	7,780.11	7,168.28	24.36	19.36	-105.42	-590.15	109.23	1,129.90	1,089.85	40.06	28.207	
7,400.00	7,100.96	7,706.10	7,168.15	24.62	18.89	-99.33	-590.39	183.24	1,141.06	1,101.41	39.65	28.777	
7,500.00	7,153.74	7,622.49	7,168.01	24.87	18.53	-94.31	-590.67	266.84	1,152.90	1,113.59	39.31	29.328	
7,600.00	7,193.22	7,546.47	7,164.49	25.11	18.34	-90.60	-590.57	342.74	1,163.81	1,124.68	39.13	29.743	
7,700.00	7,218.43	7,474.37	7,152.93	25.39	18.26	-87.71	-589.63	413.87	1,173.47	1,134.40	39.07	30.033	
7,800.00	7,228.75	7,404.28	7,134.10	25.71	18.23	-85.55	-587.93	481.32	1,181.36	1,142.23	39.13	30.189	
7,900.00	7,229.12	7,337.25	7,109.30	26.11	18.23	-84.25	-585.60	543.52	1,188.90	1,149.61	39.29	30.260	
8,000.00	7,229.28	7,276.13	7,081.12	26.63	18.24	-82.91	-582.90	597.67	1,199.82	1,160.33	39.48	30.390	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	51.00	120.95	149.34	192.17				
100.00	100.00	101.00	99.00	3.28	3.28	51.00	120.95	149.34	192.17	184.64	7.53	25.524	
200.00	200.00	199.00	199.00	3.31	3.30	51.00	120.95	149.34	192.17	184.60	7.57	25.374	CC, ES
300.00	299.98	296.60	296.59	3.34	3.34	-131.36	120.15	150.75	193.94	186.28	7.65	25.343	SF
400.00	399.84	394.00	393.85	3.40	3.40	-131.06	117.71	155.04	199.25	191.48	7.77	25.646	
500.00	499.45	491.03	490.53	3.49	3.49	-130.58	113.66	162.18	208.11	200.17	7.94	26.223	
600.00	598.70	587.51	586.33	3.60	3.60	-129.96	108.02	172.09	220.50	212.34	8.16	27.024	
700.00	697.47	685.72	683.56	3.75	3.74	-129.47	101.19	184.12	235.98	227.53	8.45	27.940	
800.00	795.62	784.12	780.97	3.95	3.91	-129.58	94.31	196.24	253.68	244.89	8.79	28.849	
900.00	893.06	882.02	877.88	4.19	4.11	-130.18	87.46	208.29	273.61	264.41	9.20	29.744	
1,000.00	989.79	979.42	974.30	4.48	4.32	-131.25	80.65	220.28	295.47	285.82	9.66	30.600	
1,100.00	1,086.45	1,076.77	1,070.66	4.80	4.55	-132.35	73.84	232.27	317.65	307.51	10.15	31.309	
1,200.00	1,183.11	1,174.11	1,167.03	5.15	4.79	-133.30	67.03	244.25	339.93	329.26	10.67	31.863	
1,300.00	1,279.77	1,271.45	1,263.39	5.52	5.04	-134.13	60.22	256.23	362.28	351.06	11.22	32.292	
1,400.00	1,376.43	1,368.79	1,359.75	5.90	5.31	-134.87	53.42	268.22	384.70	372.91	11.79	32.623	
1,500.00	1,473.09	1,466.13	1,456.11	6.30	5.59	-135.52	46.61	280.20	407.17	394.78	12.39	32.874	
1,600.00	1,569.75	1,563.48	1,552.47	6.72	5.87	-136.11	39.80	292.19	429.69	416.69	13.00	33.065	
1,700.00	1,666.41	1,660.82	1,648.83	7.14	6.16	-136.64	32.99	304.17	452.24	438.62	13.62	33.207	
1,800.00	1,763.07	1,758.16	1,745.19	7.57	6.45	-137.12	26.18	316.16	474.83	460.58	14.25	33.310	
1,900.00	1,859.73	1,855.50	1,841.56	7.81	6.67	-137.55	19.38	328.14	497.45	483.16	14.29	34.814	
2,000.00	1,956.39	1,952.84	1,937.92	7.87	6.76	-137.95	12.57	340.12	520.09	505.68	14.41	36.082	
2,100.00	2,053.05	2,050.19	2,034.28	7.96	6.80	-138.32	5.76	352.11	542.76	528.25	14.51	37.411	
2,200.00	2,149.71	2,147.53	2,130.64	8.07	6.86	-138.65	-1.05	364.09	565.44	550.81	14.64	38.636	
2,300.00	2,246.37	2,244.87	2,227.00	8.19	6.93	-138.96	-7.85	376.08	588.14	573.35	14.79	39.753	
2,400.00	2,343.03	2,342.21	2,323.36	8.34	7.01	-139.25	-14.66	388.06	610.86	595.87	14.99	40.762	
2,500.00	2,439.69	2,439.55	2,419.72	8.50	7.10	-139.51	-21.47	400.04	633.59	618.38	15.21	41.664	
2,600.00	2,536.35	2,536.90	2,516.09	8.68	7.21	-139.76	-28.28	412.03	656.33	640.87	15.46	42.462	
2,700.00	2,633.01	2,634.24	2,612.45	8.88	7.33	-139.99	-35.09	424.01	679.08	663.35	15.73	43.160	
2,800.00	2,729.67	2,731.58	2,708.81	9.09	7.46	-140.21	-41.89	436.00	701.84	685.81	16.04	43.765	
2,900.00	2,826.33	2,828.92	2,805.17	9.32	7.60	-140.41	-48.70	447.98	724.61	708.25	16.36	44.282	
3,000.00	2,922.99	2,926.26	2,901.53	9.56	7.76	-140.60	-55.51	459.97	747.39	730.68	16.71	44.719	
3,100.00	3,019.65	3,023.61	2,997.89	9.81	7.92	-140.78	-62.32	471.95	770.18	753.09	17.08	45.083	
3,200.00	3,116.31	3,120.95	3,094.25	10.07	8.09	-140.95	-69.13	483.93	792.97	775.50	17.47	45.380	
3,300.00	3,212.97	3,218.29	3,190.61	10.34	8.27	-141.11	-75.93	495.92	815.77	797.89	17.88	45.617	
3,400.00	3,309.63	3,315.63	3,286.98	10.63	8.46	-141.26	-82.74	507.90	838.57	820.26	18.31	45.801	
3,500.00	3,406.29	3,412.98	3,383.34	10.92	8.65	-141.40	-89.55	519.89	861.38	842.63	18.75	45.938	
3,600.00	3,502.95	3,510.32	3,479.70	11.21	8.86	-141.53	-96.36	531.87	884.20	864.99	19.21	46.034	
3,700.00	3,599.61	3,607.66	3,576.06	11.52	9.07	-141.66	-103.16	543.86	907.02	887.34	19.68	46.093	
3,800.00	3,696.27	3,705.00	3,672.42	11.83	9.28	-141.78	-109.97	555.84	929.84	909.68	20.16	46.120	
3,900.00	3,792.93	3,802.34	3,768.78	12.15	9.50	-141.90	-116.78	567.82	952.67	932.01	20.66	46.120	
4,000.00	3,889.59	3,900.31	3,865.14	12.48	9.73	-142.01	-123.59	579.81	975.50	954.33	21.16	46.093	
4,100.00	3,986.25	4,002.97	3,961.51	12.81	9.98	-142.12	-130.40	591.79	998.33	976.64	21.69	46.021	
4,200.00	4,082.91	4,105.63	4,057.87	13.14	10.23	-142.22	-137.20	603.78	1,021.17	998.94	22.23	45.932	
4,300.00	4,179.57	4,208.29	4,154.23	13.48	10.48	-142.31	-144.01	615.76	1,044.01	1,021.23	22.78	45.830	
4,400.00	4,276.23	4,289.05	4,250.59	13.83	10.68	-142.41	-150.82	627.74	1,066.85	1,043.57	23.28	45.824	
4,500.00	4,372.89	4,386.40	4,346.95	14.18	10.93	-142.50	-157.63	639.73	1,089.69	1,065.86	23.83	45.725	
4,600.00	4,469.55	4,483.74	4,443.31	14.53	11.18	-142.58	-164.44	651.71	1,112.54	1,088.15	24.39	45.617	
4,700.00	4,566.21	4,581.08	4,539.67	14.88	11.44	-142.66	-171.24	663.70	1,135.39	1,110.44	24.95	45.502	
4,800.00	4,662.87	4,678.42	4,636.04	15.24	11.70	-142.74	-178.05	675.68	1,158.24	1,132.72	25.52	45.381	
4,900.00	4,759.53	4,775.76	4,732.40	15.60	11.96	-142.82	-184.86	687.67	1,181.10	1,155.00	26.10	45.256	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	89.58	1.10	149.89	149.90				
100.00	100.00	101.00	99.00	3.28	3.28	89.58	1.10	149.89	149.90	142.37	7.53	19.909	
200.00	200.00	201.00	199.00	3.31	3.31	89.58	1.10	149.89	149.90	142.32	7.57	19.790	
203.12	203.12	202.12	202.12	3.31	3.31	-92.87	1.10	149.89	149.90	142.32	7.58	19.787	
300.00	299.98	297.90	297.90	3.34	3.35	-93.38	0.74	150.07	150.17	142.52	7.65	19.621	
400.00	399.84	395.67	395.61	3.40	3.40	-94.15	-2.21	151.55	151.95	144.19	7.76	19.574	
500.00	499.45	493.42	493.13	3.49	3.48	-95.00	-8.15	154.50	155.45	147.53	7.92	19.624	
600.00	598.70	591.12	590.31	3.60	3.58	-95.88	-17.05	158.94	160.67	152.53	8.14	19.745	
700.00	697.47	688.71	687.00	3.75	3.71	-96.78	-28.90	164.85	167.62	159.20	8.42	19.908	
800.00	795.62	786.17	783.04	3.95	3.89	-97.65	-43.67	172.22	176.29	167.51	8.78	20.081	
900.00	893.06	883.45	878.30	4.19	4.10	-98.47	-61.32	181.01	186.67	177.45	9.23	20.235	
1,000.00	989.79	980.55	972.65	4.48	4.36	-99.19	-81.81	191.23	198.67	188.91	9.76	20.350	
1,100.00	1,086.45	1,078.00	1,066.55	4.80	4.67	-99.18	-105.15	202.87	211.79	201.41	10.38	20.406	
1,200.00	1,183.11	1,177.09	1,161.76	5.15	5.03	-98.94	-129.72	215.12	225.22	214.15	11.07	20.348	
1,300.00	1,279.77	1,276.18	1,256.98	5.52	5.42	-98.72	-154.28	227.36	238.65	226.85	11.81	20.216	
1,400.00	1,376.43	1,375.27	1,352.19	5.90	5.83	-98.53	-178.84	239.61	252.09	239.51	12.58	20.039	
1,500.00	1,473.09	1,474.36	1,447.40	6.30	6.25	-98.36	-203.40	251.86	265.52	252.14	13.39	19.836	
1,600.00	1,569.75	1,573.45	1,542.62	6.72	6.69	-98.20	-227.97	264.10	278.97	264.75	14.22	19.621	
1,700.00	1,666.41	1,672.54	1,637.83	7.14	7.15	-98.06	-252.53	276.35	292.41	277.34	15.07	19.404	
1,800.00	1,763.07	1,771.63	1,733.04	7.57	7.61	-97.93	-277.09	288.60	305.85	289.91	15.94	19.189	
1,900.00	1,859.73	1,870.72	1,828.26	7.81	7.93	-97.81	-301.65	300.84	319.30	303.19	16.11	19.826	
2,000.00	1,956.39	1,969.81	1,923.47	7.87	8.05	-97.70	-326.21	313.09	332.74	316.46	16.29	20.428	
2,100.00	2,053.05	2,068.90	2,018.68	7.96	8.14	-97.60	-350.78	325.34	346.19	329.74	16.45	21.041	
2,200.00	2,149.71	2,167.99	2,113.89	8.07	8.25	-97.51	-375.34	337.58	359.64	342.98	16.66	21.587	
2,300.00	2,246.37	2,267.08	2,209.11	8.19	8.37	-97.42	-399.90	349.83	373.09	356.18	16.91	22.065	
2,400.00	2,343.03	2,366.17	2,304.32	8.34	8.52	-97.34	-424.46	362.07	386.54	369.34	17.20	22.478	
2,500.00	2,439.69	2,465.26	2,399.53	8.50	8.69	-97.27	-449.02	374.32	399.99	382.47	17.52	22.828	
2,600.00	2,536.35	2,564.35	2,494.75	8.68	8.88	-97.20	-473.59	386.57	413.44	395.56	17.88	23.121	
2,700.00	2,633.01	2,663.44	2,589.96	8.88	9.08	-97.13	-498.15	398.81	426.90	408.62	18.27	23.360	
2,800.00	2,729.67	2,762.53	2,685.17	9.09	9.30	-97.07	-522.71	411.06	440.35	421.65	18.70	23.550	
2,900.00	2,826.33	2,861.62	2,780.39	9.32	9.54	-97.01	-547.27	423.31	453.80	434.65	19.15	23.695	
3,000.00	2,922.99	2,960.71	2,875.60	9.56	9.79	-96.96	-571.84	435.55	467.25	447.62	19.63	23.802	
3,100.00	3,019.65	3,059.80	2,970.81	9.81	10.05	-96.90	-596.40	447.80	480.71	460.57	20.13	23.874	
3,200.00	3,116.31	3,158.89	3,066.03	10.07	10.32	-96.85	-620.96	460.05	494.16	473.50	20.66	23.917	
3,300.00	3,212.97	3,257.98	3,161.24	10.34	10.60	-96.81	-645.52	472.29	507.62	486.41	21.21	23.933	
3,400.00	3,309.63	3,357.07	3,256.45	10.63	10.90	-96.76	-670.08	484.54	521.07	499.30	21.78	23.927	
3,500.00	3,406.29	3,456.16	3,351.67	10.92	11.20	-96.72	-694.65	496.79	534.53	512.17	22.36	23.902	
3,600.00	3,502.95	3,555.25	3,446.88	11.21	11.51	-96.68	-719.21	509.03	547.98	525.02	22.96	23.862	
3,700.00	3,599.61	3,654.34	3,542.09	11.52	11.83	-96.65	-743.77	521.28	561.44	537.86	23.58	23.808	
3,800.00	3,696.27	3,753.43	3,637.30	11.83	12.16	-96.61	-768.33	533.52	574.90	550.68	24.21	23.743	
3,900.00	3,792.93	3,852.52	3,732.52	12.15	12.49	-96.58	-792.89	545.77	588.35	563.49	24.86	23.669	
4,000.00	3,889.59	3,951.61	3,827.73	12.48	12.83	-96.54	-817.46	558.02	601.81	576.29	25.51	23.587	
4,100.00	3,986.25	4,050.70	3,922.94	12.81	13.18	-96.51	-842.02	570.26	615.27	589.08	26.18	23.500	
4,200.00	4,082.91	4,149.79	4,018.16	13.14	13.53	-96.48	-866.58	582.51	628.72	601.86	26.86	23.409	
4,300.00	4,179.57	4,248.88	4,113.37	13.48	13.89	-96.45	-891.14	594.76	642.18	614.63	27.55	23.313	
4,400.00	4,276.23	4,347.97	4,208.58	13.83	14.25	-96.42	-915.71	607.00	655.64	627.40	28.24	23.216	
4,500.00	4,372.89	4,447.06	4,303.80	14.18	14.61	-96.40	-940.27	619.25	669.09	640.15	28.94	23.116	
4,600.00	4,469.55	4,546.15	4,399.01	14.53	14.98	-96.37	-964.83	631.50	682.55	652.90	29.66	23.016	
4,700.00	4,566.21	4,645.24	4,494.22	14.88	15.35	-96.35	-989.39	643.74	696.01	665.63	30.37	22.915	
4,800.00	4,662.87	4,744.33	4,589.44	15.24	15.73	-96.33	-1,013.95	655.99	709.47	678.37	31.10	22.813	
4,900.00	4,759.53	4,843.42	4,684.65	15.60	16.10	-96.30	-1,038.52	668.24	722.92	691.10	31.83	22.713	
5,000.00	4,856.19	4,942.51	4,779.86	15.97	16.48	-96.28	-1,063.08	680.48	736.38	703.82	32.57	22.612	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	5,041.60	4,875.07	16.33	16.87	-96.26	-1,087.64	692.73	749.84	716.53	33.31	22.513	
5,200.00	5,049.52	5,140.69	4,970.29	16.70	17.25	-96.24	-1,112.20	704.97	763.30	729.25	34.05	22.415	
5,300.00	5,146.18	5,239.78	5,065.50	17.07	17.64	-96.22	-1,136.76	717.22	776.76	741.95	34.80	22.318	
5,400.00	5,242.84	5,338.87	5,160.71	17.45	18.03	-96.20	-1,161.33	729.47	790.21	754.66	35.56	22.222	
5,500.00	5,339.50	5,437.96	5,255.93	17.82	18.43	-96.18	-1,185.89	741.71	803.67	767.35	36.32	22.128	
5,600.00	5,436.16	5,537.05	5,351.14	18.20	18.82	-96.17	-1,210.45	753.96	817.13	780.05	37.08	22.036	
5,700.00	5,532.82	5,636.14	5,446.35	18.58	19.22	-96.15	-1,235.01	766.21	830.59	792.74	37.85	21.945	
5,800.00	5,629.48	5,735.23	5,541.57	18.96	19.62	-96.13	-1,259.58	778.45	844.05	805.43	38.62	21.856	
5,900.00	5,726.14	5,834.32	5,636.78	19.34	20.02	-96.12	-1,284.14	790.70	857.51	818.12	39.39	21.769	
6,000.00	5,822.80	5,933.41	5,731.99	19.73	20.42	-96.10	-1,308.70	802.95	870.97	830.80	40.17	21.684	
6,100.00	5,919.46	6,032.50	5,827.21	20.11	20.82	-96.08	-1,333.26	815.19	884.43	843.48	40.95	21.600	
6,200.00	6,016.12	6,131.59	5,922.42	20.50	21.22	-96.07	-1,357.82	827.44	897.88	856.16	41.73	21.518	
6,300.00	6,112.78	6,230.68	6,017.63	20.89	21.63	-96.06	-1,382.39	839.69	911.34	868.83	42.51	21.438	
6,400.00	6,209.44	6,329.77	6,112.85	21.27	22.04	-96.04	-1,406.95	851.93	924.80	881.51	43.30	21.360	
6,500.00	6,306.10	8,116.37	7,168.46	21.66	24.52	-173.53	-1,677.14	-64.02	877.80	848.24	29.56	29.698	
6,600.00	6,402.76	8,117.56	7,168.47	22.06	24.52	-174.52	-1,677.14	-65.21	778.15	748.27	29.88	26.047	
6,700.00	6,499.42	8,118.75	7,168.47	22.45	24.53	-175.51	-1,677.13	-66.40	678.59	648.37	30.22	22.456	
6,800.00	6,596.08	8,119.94	7,168.47	22.84	24.53	-176.50	-1,677.13	-67.59	579.19	548.58	30.60	18.927	
6,900.00	6,692.52	8,114.96	7,168.46	23.18	24.51	164.19	-1,677.14	-62.61	480.23	449.22	31.01	15.484	
7,000.00	6,787.02	8,105.48	7,168.43	23.49	24.48	169.41	-1,677.17	-42.18	383.68	352.16	31.51	12.176	
7,100.00	6,877.26	8,059.05	7,168.38	23.80	24.36	177.45	-1,677.23	-6.70	292.22	260.17	32.05	9.119	
7,200.00	6,961.00	8,009.40	7,168.31	24.09	24.30	-173.81	-1,677.32	42.95	208.85	175.76	33.09	6.311	
7,300.00	7,036.18	7,946.80	7,168.23	24.36	24.27	-161.58	-1,677.42	105.55	137.51	102.09	35.42	3.882	
7,400.00	7,100.96	7,872.80	7,168.12	24.62	24.29	-140.09	-1,677.54	179.55	85.65	45.16	40.49	2.115	
7,495.95	7,151.86	7,807.25	7,168.01	24.85	24.33	-106.72	-1,677.68	259.60	67.49	23.89	43.61	1.548	CC, ES, SF
7,500.00	7,153.74	7,789.20	7,168.00	24.87	24.35	-105.21	-1,677.68	263.14	67.52	24.08	43.44	1.554	
7,600.00	7,193.22	7,703.97	7,162.90	25.11	24.42	-72.96	-1,676.54	348.15	83.04	45.17	37.87	2.193	
7,700.00	7,218.43	7,623.13	7,147.96	25.39	24.49	-53.78	-1,672.85	427.46	114.41	80.79	33.61	3.404	
7,800.00	7,228.75	7,545.70	7,124.64	25.71	24.54	-43.40	-1,666.99	501.01	149.51	116.98	32.53	4.596	
7,900.00	7,229.12	7,472.80	7,094.93	26.11	24.58	-38.06	-1,659.47	567.12	188.34	155.26	33.08	5.693	
8,000.00	7,229.28	7,407.80	7,062.43	26.63	24.59	-34.19	-1,651.20	622.76	237.42	203.04	34.38	6.905	
8,100.00	7,229.43	7,350.00	7,029.05	27.27	24.59	-31.31	-1,642.69	669.15	295.21	259.30	35.91	8.222	
8,200.00	7,229.58	7,300.00	6,996.99	28.02	24.58	-29.22	-1,634.51	706.62	360.05	322.60	37.45	9.615	
8,300.00	7,229.73	7,257.49	6,967.56	28.88	24.56	-27.70	-1,626.98	736.35	430.56	391.68	38.89	11.072	
8,400.00	7,229.89	7,219.76	6,939.88	29.82	24.54	-26.53	-1,619.90	760.99	505.64	465.54	40.10	12.609	
8,500.00	7,230.04	7,186.85	6,914.62	30.84	24.52	-25.63	-1,613.43	781.06	584.39	543.25	41.14	14.205	
8,600.00	7,230.19	7,150.00	6,885.20	31.93	24.49	-24.73	-1,605.89	801.91	666.22	624.40	41.82	15.931	
8,700.00	7,230.35	7,132.69	6,870.98	33.08	24.47	-24.35	-1,602.24	811.08	750.30	707.52	42.78	17.540	
8,800.00	7,230.50	7,100.00	6,843.50	34.27	24.44	-23.68	-1,595.20	827.31	836.63	793.41	43.22	19.356	
8,900.00	7,230.65	7,100.00	6,843.50	35.51	24.44	-23.68	-1,595.20	827.31	924.47	880.34	44.12	20.951	
9,000.00	7,230.80	7,072.68	6,819.93	36.79	24.40	-23.17	-1,589.15	839.75	1,013.60	969.16	44.44	22.807	
9,100.00	7,230.96	7,050.00	6,800.00	38.10	24.37	-22.79	-1,584.03	849.26	1,104.09	1,059.32	44.77	24.661	
9,200.00	7,231.11	7,050.00	6,800.00	39.44	24.37	-22.79	-1,584.03	849.26	1,195.55	1,150.24	45.30	26.389	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	81.97	21.13	149.89	151.38				
100.00	100.00	101.00	99.00	3.28	3.28	81.97	21.13	149.89	151.38	143.85	7.53	20.106	
200.00	200.00	199.00	199.00	3.31	3.30	81.97	21.13	149.89	151.38	143.80	7.57	19.987	CC, ES
300.00	299.98	297.10	297.08	3.34	3.34	-100.51	19.70	150.71	152.31	144.66	7.65	19.907	
400.00	399.84	395.13	394.98	3.40	3.40	-100.61	15.36	153.18	155.14	147.38	7.76	19.984	
500.00	499.45	493.06	492.55	3.49	3.48	-100.74	8.12	157.30	159.86	151.94	7.93	20.167	
600.00	598.70	590.84	589.63	3.60	3.59	-100.91	-2.00	163.06	166.47	158.32	8.15	20.425	
700.00	697.47	688.42	686.06	3.75	3.74	-101.09	-14.96	170.44	174.96	166.51	8.44	20.720	
800.00	795.62	785.75	781.68	3.95	3.93	-101.28	-30.73	179.41	185.30	176.48	8.82	21.016	
900.00	893.06	882.79	876.34	4.19	4.16	-101.46	-49.24	189.96	197.50	188.22	9.28	21.281	
1,000.00	989.79	981.05	971.60	4.48	4.44	-101.83	-70.21	201.89	211.17	201.33	9.84	21.465	
1,100.00	1,086.45	1,080.08	1,067.55	4.80	4.76	-102.28	-91.49	214.00	224.98	214.51	10.46	21.499	
1,200.00	1,183.11	1,179.11	1,163.50	5.15	5.11	-102.69	-112.78	226.12	238.80	227.66	11.14	21.432	
1,300.00	1,279.77	1,278.13	1,259.45	5.52	5.48	-103.04	-134.06	238.24	252.64	240.78	11.86	21.299	
1,400.00	1,376.43	1,377.16	1,355.40	5.90	5.86	-103.37	-155.35	250.35	266.48	253.87	12.61	21.126	
1,500.00	1,473.09	1,476.19	1,451.35	6.30	6.26	-103.66	-176.63	262.47	280.33	266.94	13.39	20.929	
1,600.00	1,569.75	1,575.21	1,547.30	6.72	6.67	-103.92	-197.92	274.59	294.19	279.99	14.20	20.721	
1,700.00	1,666.41	1,674.24	1,643.25	7.14	7.09	-104.16	-219.21	286.70	308.05	293.04	15.02	20.511	
1,800.00	1,763.07	1,773.27	1,739.20	7.57	7.52	-104.38	-240.49	298.82	321.92	306.07	15.86	20.302	
1,900.00	1,859.73	1,872.29	1,835.15	7.81	7.81	-104.58	-261.78	310.94	335.79	319.80	16.00	20.988	
2,000.00	1,956.39	1,971.32	1,931.10	7.87	7.93	-104.76	-283.06	323.06	349.67	333.50	16.17	21.625	
2,100.00	2,053.05	2,070.35	2,027.05	7.96	8.00	-104.93	-304.35	335.17	363.55	347.22	16.33	22.268	
2,200.00	2,149.71	2,169.37	2,123.00	8.07	8.10	-105.09	-325.64	347.29	377.43	360.91	16.52	22.843	
2,300.00	2,246.37	2,268.40	2,218.95	8.19	8.21	-105.23	-346.92	359.41	391.32	374.56	16.76	23.351	
2,400.00	2,343.03	2,367.43	2,314.90	8.34	8.34	-105.37	-368.21	371.52	405.20	388.17	17.03	23.792	
2,500.00	2,439.69	2,466.45	2,410.85	8.50	8.49	-105.50	-389.49	383.64	419.09	401.75	17.34	24.170	
2,600.00	2,536.35	2,565.48	2,506.80	8.68	8.66	-105.62	-410.78	395.76	432.98	415.30	17.68	24.489	
2,700.00	2,633.01	2,664.51	2,602.75	8.88	8.84	-105.73	-432.07	407.87	446.88	428.82	18.05	24.753	
2,800.00	2,729.67	2,763.53	2,698.70	9.09	9.04	-105.83	-453.35	419.99	460.77	442.31	18.46	24.966	
2,900.00	2,826.33	2,862.56	2,794.65	9.32	9.25	-105.93	-474.64	432.11	474.67	455.78	18.89	25.133	
3,000.00	2,922.99	2,961.59	2,890.60	9.56	9.48	-106.03	-495.92	444.22	488.56	469.22	19.34	25.259	
3,100.00	3,019.65	3,060.61	2,986.55	9.81	9.72	-106.12	-517.21	456.34	502.46	482.64	19.82	25.349	
3,200.00	3,116.31	3,159.64	3,082.50	10.07	9.96	-106.20	-538.49	468.46	516.36	496.04	20.32	25.407	
3,300.00	3,212.97	3,258.67	3,178.45	10.34	10.22	-106.28	-559.78	480.57	530.26	509.41	20.85	25.437	
3,400.00	3,309.63	3,357.69	3,274.40	10.63	10.49	-106.35	-581.07	492.69	544.16	522.77	21.39	25.443	
3,500.00	3,406.29	3,456.72	3,370.35	10.92	10.77	-106.42	-602.35	504.81	558.06	536.12	21.95	25.429	
3,600.00	3,502.95	3,555.75	3,466.30	11.21	11.05	-106.49	-623.64	516.92	571.97	549.45	22.52	25.397	
3,700.00	3,599.61	3,654.77	3,562.25	11.52	11.34	-106.56	-644.92	529.04	585.87	562.76	23.11	25.350	
3,800.00	3,696.27	3,753.80	3,658.20	11.83	11.64	-106.62	-666.21	541.16	599.78	576.06	23.71	25.291	
3,900.00	3,792.93	3,852.83	3,754.15	12.15	11.95	-106.68	-687.50	553.27	613.68	589.35	24.33	25.222	
4,000.00	3,889.59	3,951.85	3,850.10	12.48	12.26	-106.73	-708.78	565.39	627.59	602.63	24.96	25.144	
4,100.00	3,986.25	4,050.88	3,946.05	12.81	12.58	-106.79	-730.07	577.51	641.49	615.89	25.60	25.060	
4,200.00	4,082.91	4,149.91	4,042.00	13.14	12.90	-106.84	-751.35	589.62	655.40	629.15	26.25	24.970	
4,300.00	4,179.57	4,248.93	4,137.95	13.48	13.23	-106.89	-772.64	601.74	669.31	642.40	26.91	24.876	
4,400.00	4,276.23	4,347.96	4,233.90	13.83	13.56	-106.93	-793.93	613.86	683.21	655.64	27.57	24.778	
4,500.00	4,372.89	4,446.99	4,329.85	14.18	13.90	-106.98	-815.21	625.98	697.12	668.87	28.25	24.679	
4,600.00	4,469.55	4,546.01	4,425.80	14.53	14.24	-107.02	-836.50	638.09	711.03	682.10	28.93	24.577	
4,700.00	4,566.21	4,645.04	4,521.75	14.88	14.58	-107.07	-857.78	650.21	724.94	695.32	29.62	24.474	
4,800.00	4,662.87	4,744.07	4,617.69	15.24	14.93	-107.11	-879.07	662.33	738.85	708.53	30.32	24.371	
4,900.00	4,759.53	4,843.09	4,713.64	15.60	15.28	-107.15	-900.35	674.44	752.76	721.74	31.02	24.268	
5,000.00	4,856.19	4,942.12	4,809.59	15.97	15.63	-107.18	-921.64	686.56	766.67	734.94	31.73	24.165	
5,100.00	4,952.86	5,041.15	4,905.54	16.33	15.98	-107.22	-942.93	698.68	780.58	748.14	32.44	24.063	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,049.52	5,140.17	5,001.49	16.70	16.34	-107.25	-964.21	710.79	794.49	761.33	33.16	23.962	
5,300.00	5,146.18	5,239.20	5,097.44	17.07	16.70	-107.29	-985.50	722.91	808.40	774.52	33.88	23.861	
5,400.00	5,242.84	5,338.23	5,193.39	17.45	17.07	-107.32	-1,006.78	735.03	822.31	787.71	34.61	23.762	
5,500.00	5,339.50	5,437.25	5,289.34	17.82	17.43	-107.35	-1,028.07	747.14	836.22	800.89	35.34	23.665	
5,600.00	5,436.16	5,536.28	5,385.29	18.20	17.80	-107.38	-1,049.36	759.26	850.14	814.06	36.07	23.569	
5,700.00	5,532.82	5,635.31	5,481.24	18.58	18.16	-107.41	-1,070.64	771.38	864.05	827.24	36.81	23.474	
5,800.00	5,629.48	5,734.33	5,577.19	18.96	18.53	-107.44	-1,091.93	783.49	877.96	840.41	37.55	23.381	
5,900.00	5,726.14	5,833.36	5,673.14	19.34	18.91	-107.47	-1,113.21	795.61	891.87	853.58	38.29	23.290	
6,000.00	5,822.80	5,932.39	5,769.09	19.73	19.28	-107.49	-1,134.50	807.73	905.78	866.74	39.04	23.200	
6,100.00	5,919.46	6,031.41	5,865.04	20.11	19.65	-107.52	-1,155.79	819.84	919.70	879.90	39.79	23.113	
6,200.00	6,016.12	6,130.44	5,960.99	20.50	20.03	-107.55	-1,177.07	831.96	933.61	893.06	40.54	23.027	
6,300.00	6,112.78	6,229.47	6,056.94	20.89	20.41	-107.57	-1,198.36	844.08	947.52	906.22	41.30	22.942	
6,400.00	6,209.44	6,328.49	6,152.89	21.27	20.79	-107.59	-1,219.64	856.19	961.44	919.38	42.06	22.860	
6,500.00	6,306.10	8,145.64	7,237.56	21.66	23.26	179.30	-1,458.60	-66.06	934.40	903.03	31.36	29.791	
6,600.00	6,402.76	8,146.57	7,237.56	22.06	23.26	179.12	-1,458.60	-66.99	840.18	808.14	32.04	26.222	
6,700.00	6,499.42	8,147.49	7,237.56	22.45	23.27	178.94	-1,458.60	-67.91	747.47	714.61	32.86	22.750	
6,800.00	6,596.08	8,148.42	7,237.56	22.84	23.28	178.76	-1,458.60	-68.83	656.90	623.02	33.87	19.393	
6,900.00	6,692.52	8,143.17	7,237.57	23.18	23.24	-166.13	-1,458.60	-63.59	569.68	534.55	35.13	16.218	
7,000.00	6,787.02	8,122.48	7,237.59	23.49	23.11	-153.54	-1,458.64	-42.89	488.91	452.27	36.64	13.345	
7,100.00	6,877.26	8,086.75	7,237.64	23.80	22.93	-144.85	-1,458.71	-7.17	418.61	380.19	38.42	10.895	
7,200.00	6,961.00	8,036.87	7,237.70	24.09	22.80	-136.81	-1,458.80	42.71	362.76	322.43	40.33	8.994	
7,300.00	7,036.18	7,974.07	7,237.78	24.36	22.76	-127.96	-1,458.92	105.51	324.33	282.38	41.95	7.732	
7,400.00	7,100.96	7,900.11	7,237.88	24.62	22.79	-118.19	-1,459.06	179.70	303.49	260.70	42.79	7.092	
7,500.00	7,153.74	7,816.15	7,237.99	24.87	22.86	-108.41	-1,459.21	263.43	296.75	253.92	42.83	6.929	SF
7,522.25	7,163.72	7,796.22	7,237.92	24.92	22.88	-106.34	-1,459.23	283.36	296.58	253.81	42.77	6.934	
7,600.00	7,193.22	7,727.72	7,233.24	25.11	22.95	-99.35	-1,458.30	351.66	298.54	256.15	42.39	7.043	
7,700.00	7,218.43	7,643.92	7,217.83	25.39	23.03	-91.13	-1,455.02	433.91	306.20	264.61	41.59	7.363	
7,800.00	7,228.75	7,563.98	7,193.43	25.71	23.10	-83.97	-1,449.73	509.80	318.26	277.61	40.65	7.830	
7,900.00	7,229.12	7,489.00	7,162.28	26.11	23.14	-78.42	-1,442.93	577.60	335.41	295.72	39.68	8.452	
8,000.00	7,229.28	7,422.49	7,128.29	26.63	23.16	-73.09	-1,435.49	634.26	362.24	323.53	38.72	9.357	
8,100.00	7,229.43	7,364.34	7,094.00	27.27	23.17	-68.22	-1,427.96	680.58	399.60	361.57	38.03	10.508	
8,200.00	7,229.58	7,313.88	7,061.00	28.02	23.17	-64.02	-1,420.70	718.04	446.99	409.22	37.77	11.834	
8,300.00	7,229.73	7,270.20	7,030.17	28.88	23.16	-60.49	-1,413.92	748.23	503.18	465.27	37.91	13.274	
8,400.00	7,229.89	7,232.34	7,001.87	29.82	23.14	-57.56	-1,407.68	772.58	566.71	528.40	38.31	14.794	
8,500.00	7,230.04	7,200.00	6,976.61	30.84	23.13	-55.17	-1,402.12	791.99	636.20	597.35	38.86	16.374	
8,600.00	7,230.19	7,170.74	6,952.96	31.93	23.10	-53.12	-1,396.90	808.40	710.48	671.05	39.43	18.019	
8,700.00	7,230.35	7,150.00	6,935.76	33.08	23.09	-51.73	-1,393.10	819.35	788.64	748.56	40.08	19.676	
8,800.00	7,230.50	7,123.38	6,913.19	34.27	23.07	-50.02	-1,388.12	832.55	869.84	829.29	40.56	21.448	
8,900.00	7,230.65	7,100.00	6,892.94	35.51	23.04	-48.59	-1,383.65	843.34	953.62	912.61	41.01	23.253	
9,000.00	7,230.80	7,086.22	6,880.83	36.79	23.03	-47.78	-1,380.98	849.34	1,039.43	997.92	41.51	25.038	
9,100.00	7,230.96	7,070.56	6,866.91	38.10	23.01	-46.88	-1,377.90	855.83	1,126.98	1,085.05	41.93	26.880	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
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	176.72	18.27	-0.37	20.03	12.38	7.65	2.618	
400.00	399.84	401.41	401.24	3.40	3.41	176.60	12.97	-0.63	20.00	12.24	7.75	2.579	
500.00	499.45	502.11	501.55	3.49	3.49	176.42	4.15	-1.07	19.94	12.05	7.89	2.526	
600.00	598.70	602.80	601.48	3.60	3.60	176.15	-8.20	-1.68	19.86	11.79	8.07	2.460	
700.00	697.47	703.50	700.91	3.75	3.76	175.81	-24.04	-2.47	19.76	11.47	8.29	2.383	
800.00	795.62	804.19	799.72	3.95	3.95	175.39	-43.36	-3.43	19.63	11.08	8.55	2.296	
820.63	815.79	824.93	819.99	3.99	4.00	175.29	-47.77	-3.65	19.61	10.99	8.62	2.276	CC
900.00	893.06	904.29	897.49	4.19	4.19	175.21	-64.81	-4.50	20.71	11.81	8.90	2.327	
1,000.00	989.79	1,004.21	995.07	4.48	4.46	175.62	-86.28	-5.57	24.63	15.34	9.29	2.650	
1,100.00	1,086.45	1,104.12	1,092.65	4.80	4.75	175.97	-107.74	-6.64	28.87	19.14	9.73	2.969	
1,200.00	1,183.11	1,204.03	1,190.22	5.15	5.07	176.22	-129.20	-7.71	33.11	22.92	10.19	3.250	
1,300.00	1,279.77	1,303.94	1,287.79	5.52	5.40	176.42	-150.66	-8.78	37.35	26.68	10.68	3.499	
1,400.00	1,376.43	1,403.85	1,385.36	5.90	5.74	176.58	-172.12	-9.85	41.59	30.41	11.19	3.718	
1,500.00	1,473.09	1,503.76	1,482.93	6.30	6.10	176.71	-193.59	-10.91	45.84	34.12	11.72	3.911	
1,600.00	1,569.75	1,603.67	1,580.50	6.72	6.46	176.82	-215.05	-11.98	50.08	37.81	12.27	4.082	
1,700.00	1,666.41	1,703.58	1,678.08	7.14	6.84	176.91	-236.51	-13.05	54.32	41.49	12.83	4.234	
1,800.00	1,763.07	1,803.49	1,775.65	7.57	7.21	176.98	-257.97	-14.12	58.56	45.16	13.40	4.371	
1,900.00	1,859.73	1,903.40	1,873.22	7.81	7.42	177.05	-279.43	-15.19	62.80	49.49	13.31	4.717	
2,000.00	1,956.39	2,003.31	1,970.79	7.87	7.47	177.11	-300.89	-16.26	67.05	53.70	13.35	5.021	
2,100.00	2,053.05	2,103.22	2,068.36	7.96	7.54	177.16	-322.36	-17.32	71.29	57.86	13.43	5.310	
2,200.00	2,149.71	2,203.13	2,165.93	8.07	7.64	177.21	-343.82	-18.39	75.53	62.00	13.54	5.580	
2,300.00	2,246.37	2,303.04	2,263.51	8.19	7.74	177.25	-365.28	-19.46	79.78	66.09	13.68	5.830	
2,400.00	2,343.03	2,402.95	2,361.08	8.34	7.87	177.28	-386.74	-20.53	84.02	70.16	13.86	6.061	
2,500.00	2,439.69	2,502.86	2,458.65	8.50	8.01	177.32	-408.20	-21.60	88.26	74.19	14.07	6.271	
2,600.00	2,536.35	2,602.77	2,556.22	8.68	8.17	177.35	-429.66	-22.67	92.50	78.19	14.32	6.461	
2,700.00	2,633.01	2,702.68	2,653.79	8.88	8.34	177.37	-451.13	-23.73	96.75	82.16	14.59	6.631	
2,800.00	2,729.67	2,802.59	2,751.37	9.09	8.53	177.40	-472.59	-24.80	100.99	86.10	14.89	6.782	
2,900.00	2,826.33	2,902.50	2,848.94	9.32	8.73	177.42	-494.05	-25.87	105.23	90.01	15.22	6.915	
3,000.00	2,922.99	3,002.41	2,946.51	9.56	8.94	177.44	-515.51	-26.94	109.47	93.91	15.57	7.031	
3,100.00	3,019.65	3,102.32	3,044.08	9.81	9.16	177.46	-536.97	-28.01	113.72	97.77	15.94	7.132	
3,200.00	3,116.31	3,202.23	3,141.65	10.07	9.39	177.48	-558.43	-29.08	117.96	101.62	16.34	7.220	
3,300.00	3,212.97	3,302.14	3,239.22	10.34	9.64	177.50	-579.90	-30.15	122.20	105.45	16.75	7.294	
3,400.00	3,309.63	3,402.05	3,336.80	10.63	9.89	177.51	-601.36	-31.21	126.45	109.26	17.19	7.357	
3,500.00	3,406.29	3,501.96	3,434.37	10.92	10.15	177.53	-622.82	-32.28	130.69	113.05	17.64	7.411	
3,600.00	3,502.95	3,601.87	3,531.94	11.21	10.41	177.54	-644.28	-33.35	134.93	116.83	18.10	7.455	
3,700.00	3,599.61	3,701.78	3,629.51	11.52	10.69	177.56	-665.74	-34.42	139.18	120.60	18.58	7.491	
3,800.00	3,696.27	3,801.69	3,727.08	11.83	10.97	177.57	-687.20	-35.49	143.42	124.35	19.07	7.520	
3,900.00	3,792.93	3,901.60	3,824.66	12.15	11.26	177.58	-708.67	-36.56	147.66	128.09	19.58	7.543	
4,000.00	3,889.59	4,001.51	3,922.23	12.48	11.55	177.59	-730.13	-37.62	151.90	131.81	20.09	7.561	
4,100.00	3,986.25	4,101.42	4,019.80	12.81	11.85	177.60	-751.59	-38.69	156.15	135.53	20.62	7.574	
4,200.00	4,082.91	4,201.33	4,117.37	13.14	12.15	177.61	-773.05	-39.76	160.39	139.24	21.15	7.583	
4,300.00	4,179.57	4,301.24	4,214.94	13.48	12.45	177.62	-794.51	-40.83	164.63	142.94	21.70	7.588	
4,400.00	4,276.23	4,401.15	4,312.51	13.83	12.77	177.63	-815.97	-41.90	168.88	146.63	22.25	7.591	
4,500.00	4,372.89	4,501.06	4,410.09	14.18	13.08	177.64	-837.44	-42.97	173.12	150.31	22.81	7.590	
4,600.00	4,469.55	4,600.97	4,507.66	14.53	13.40	177.65	-858.90	-44.03	177.36	153.99	23.37	7.588	
4,700.00	4,566.21	4,700.88	4,605.23	14.88	13.72	177.65	-880.36	-45.10	181.60	157.66	23.95	7.584	
4,800.00	4,662.87	4,800.79	4,702.80	15.24	14.04	177.66	-901.82	-46.17	185.85	161.32	24.53	7.578	
4,900.00	4,759.53	4,900.70	4,800.37	15.60	14.37	177.67	-923.28	-47.24	190.09	164.98	25.11	7.570	
5,000.00	4,856.19	5,000.61	4,897.94	15.97	14.70	177.67	-944.74	-48.31	194.33	168.63	25.70	7.562	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	5,100.52	4,995.52	16.33	15.04	177.68	-966.21	-49.38	198.58	172.28	26.29	7.552	
5,200.00	5,049.52	5,200.43	5,093.09	16.70	15.37	177.69	-987.67	-50.45	202.82	175.93	26.89	7.541	
5,300.00	5,146.18	5,300.34	5,190.66	17.07	15.71	177.69	-1,009.13	-51.51	207.06	179.57	27.50	7.530	
5,400.00	5,242.84	5,400.25	5,288.23	17.45	16.05	177.70	-1,030.59	-52.58	211.31	183.20	28.10	7.519	
5,500.00	5,339.50	5,500.16	5,385.80	17.82	16.39	177.70	-1,052.05	-53.65	215.55	186.83	28.72	7.506	
5,600.00	5,436.16	5,600.07	5,483.38	18.20	16.73	177.71	-1,073.51	-54.72	219.79	190.46	29.33	7.494	
5,700.00	5,532.82	5,700.02	5,580.95	18.58	17.08	177.71	-1,094.98	-55.79	224.03	194.09	29.95	7.481	
5,800.00	5,629.48	5,799.89	5,678.52	18.96	17.42	177.72	-1,116.44	-56.86	228.28	197.71	30.57	7.468	
5,900.00	5,726.14	5,900.20	5,776.09	19.34	17.77	177.72	-1,137.90	-57.92	232.52	201.33	31.19	7.454	
6,000.00	5,822.80	5,999.71	5,873.66	19.73	18.12	177.73	-1,159.36	-58.99	236.76	204.95	31.82	7.441	
6,100.00	5,919.46	6,099.62	5,971.23	20.11	18.47	177.73	-1,180.82	-60.06	241.01	208.56	32.45	7.428	
6,200.00	6,016.12	6,200.47	6,068.81	20.50	18.83	177.74	-1,202.28	-61.13	245.25	212.17	33.08	7.414	
6,300.00	6,112.78	6,300.56	6,166.38	20.89	19.18	177.74	-1,223.75	-62.20	249.49	215.78	33.71	7.400	
6,400.00	6,209.44	6,399.35	6,263.95	21.27	19.53	177.74	-1,245.21	-63.27	253.74	219.39	34.35	7.388	
6,500.00	6,306.10	6,500.74	6,361.52	21.66	19.89	177.75	-1,266.67	-64.33	257.98	222.99	34.99	7.374	
6,600.00	6,402.76	6,600.83	6,459.09	22.06	20.25	177.75	-1,288.13	-65.40	262.22	226.59	35.63	7.360	
6,700.00	6,499.42	6,699.07	6,556.65	22.45	20.59	177.87	-1,309.59	-65.93	266.47	230.21	36.26	7.349	
6,800.00	6,596.08	6,797.38	6,652.01	22.84	20.87	-179.67	-1,330.60	-55.36	270.99	234.16	36.83	7.357	
6,900.00	6,692.52	6,891.77	6,741.02	23.18	21.14	-147.02	-1,350.25	-31.20	276.90	239.50	37.41	7.403	
7,000.00	6,787.02	6,983.54	6,823.29	23.49	21.39	-121.90	-1,368.46	4.96	283.97	246.01	37.96	7.481	
7,100.00	6,877.26	7,073.07	6,897.85	23.80	21.63	-106.68	-1,384.99	51.55	291.68	253.24	38.44	7.587	
7,200.00	6,961.00	7,160.71	6,963.95	24.09	21.85	-96.86	-1,399.70	107.08	299.54	260.74	38.80	7.720	
7,300.00	7,036.18	7,246.80	7,021.01	24.36	22.06	-90.10	-1,412.44	170.17	307.05	267.98	39.07	7.859	
7,400.00	7,100.96	7,331.61	7,068.61	24.62	22.26	-85.28	-1,423.11	239.48	313.81	274.53	39.28	7.989	
7,500.00	7,153.74	7,415.43	7,106.39	24.87	22.46	-81.87	-1,431.64	313.74	319.44	279.95	39.50	8.087	
7,600.00	7,193.22	7,498.52	7,134.13	25.11	22.69	-79.56	-1,437.97	391.74	323.69	283.90	39.79	8.135	
7,700.00	7,218.43	7,581.11	7,151.64	25.39	22.94	-78.18	-1,442.06	472.30	326.35	286.12	40.22	8.113	
7,800.00	7,228.75	7,663.45	7,158.81	25.71	23.26	-77.66	-1,443.88	554.25	327.29	286.45	40.83	8.015	
7,900.00	7,229.12	7,759.90	7,158.91	26.11	23.72	-77.61	-1,444.18	650.69	327.20	285.15	42.06	7.780	
8,000.00	7,229.28	7,859.90	7,158.79	26.63	24.35	-77.56	-1,444.45	750.69	327.13	283.55	43.58	7.507	
8,100.00	7,229.43	7,959.90	7,158.67	27.27	25.11	-77.50	-1,444.71	850.69	327.05	281.76	45.29	7.222	
8,200.00	7,229.58	8,059.90	7,158.55	28.02	25.98	-77.45	-1,444.98	950.69	326.97	279.81	47.16	6.933	
8,300.00	7,229.73	8,159.89	7,158.43	28.88	26.95	-77.40	-1,445.25	1,050.68	326.89	277.70	49.19	6.646	
8,400.00	7,229.89	8,259.89	7,158.31	29.82	28.00	-77.35	-1,445.51	1,150.68	326.81	275.47	51.35	6.365	
8,500.00	7,230.04	8,359.89	7,158.19	30.84	29.12	-77.30	-1,445.78	1,250.68	326.74	273.12	53.62	6.094	
8,600.00	7,230.19	8,459.89	7,158.07	31.93	30.29	-77.25	-1,446.05	1,350.68	326.66	270.67	55.99	5.835	
8,700.00	7,230.35	8,559.89	7,157.96	33.08	31.52	-77.19	-1,446.31	1,450.68	326.58	268.14	58.45	5.588	
8,800.00	7,230.50	8,659.89	7,157.84	34.27	32.79	-77.14	-1,446.58	1,550.68	326.51	265.53	60.98	5.354	
8,900.00	7,230.65	8,759.89	7,157.72	35.51	34.09	-77.09	-1,446.85	1,650.68	326.43	262.85	63.59	5.134	
9,000.00	7,230.80	8,859.89	7,157.60	36.79	35.43	-77.04	-1,447.11	1,750.68	326.36	260.11	66.25	4.926	
9,100.00	7,230.96	8,959.89	7,157.48	38.10	36.80	-76.99	-1,447.38	1,850.68	326.28	257.32	68.96	4.731	
9,200.00	7,231.11	9,059.89	7,157.36	39.44	38.19	-76.93	-1,447.65	1,950.68	326.21	254.48	71.72	4.548	
9,300.00	7,231.26	9,159.89	7,157.24	40.80	39.60	-76.88	-1,447.91	2,050.68	326.13	251.61	74.52	4.376	
9,400.00	7,231.42	9,259.89	7,157.13	42.19	41.04	-76.83	-1,448.18	2,150.67	326.06	248.69	77.36	4.215	
9,500.00	7,231.57	9,359.89	7,157.01	43.60	42.49	-76.78	-1,448.45	2,250.67	325.98	245.75	80.23	4.063	
9,600.00	7,231.72	9,459.89	7,156.89	45.03	43.95	-76.73	-1,448.71	2,350.67	325.91	242.78	83.13	3.920	
9,700.00	7,231.88	9,559.89	7,156.77	46.48	45.44	-76.67	-1,448.98	2,450.67	325.83	239.78	86.06	3.786	
9,800.00	7,232.03	9,659.89	7,156.65	47.94	46.93	-76.62	-1,449.25	2,550.67	325.76	236.76	89.00	3.660	
9,900.00	7,232.18	9,759.89	7,156.53	49.41	48.44	-76.57	-1,449.51	2,650.67	325.69	233.72	91.97	3.541	
10,000.00	7,232.33	9,859.89	7,156.41	50.90	49.96	-76.52	-1,449.78	2,750.67	325.61	230.66	94.96	3.429	
10,100.00	7,232.49	9,959.89	7,156.29	52.39	51.48	-76.46	-1,450.05	2,850.67	325.54	227.58	97.96	3.323	
10,200.00	7,232.64	10,059.89	7,156.18	53.90	53.02	-76.41	-1,450.31	2,950.67	325.47	224.49	100.98	3.223	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,232.79	10,159.89	7,156.06	55.42	54.56	-76.36	-1,450.58	3,050.67	325.40	221.38	104.01	3.128	
10,400.00	7,232.95	10,259.88	7,155.94	56.94	56.11	-76.31	-1,450.85	3,150.67	325.32	218.27	107.06	3.039	
10,500.00	7,233.10	10,359.88	7,155.82	58.48	57.67	-76.26	-1,451.11	3,250.66	325.25	215.14	110.11	2.954	
10,600.00	7,233.25	10,459.88	7,155.70	60.02	59.23	-76.20	-1,451.38	3,350.66	325.18	212.00	113.18	2.873	
10,700.00	7,233.40	10,559.88	7,155.58	61.57	60.80	-76.15	-1,451.65	3,450.66	325.11	208.85	116.26	2.796	
10,800.00	7,233.56	10,659.88	7,155.46	63.12	62.38	-76.10	-1,451.91	3,550.66	325.04	205.70	119.34	2.724	
10,900.00	7,233.71	10,759.88	7,155.35	64.69	63.96	-76.05	-1,452.18	3,650.66	324.97	202.53	122.43	2.654	
11,000.00	7,233.86	10,859.88	7,155.23	66.25	65.54	-75.99	-1,452.45	3,750.66	324.90	199.36	125.53	2.588	
11,100.00	7,234.02	10,959.88	7,155.11	67.82	67.13	-75.94	-1,452.71	3,850.66	324.83	196.19	128.64	2.525	
11,200.00	7,234.17	11,059.88	7,154.99	69.40	68.73	-75.89	-1,452.98	3,950.66	324.76	193.01	131.75	2.465	
11,300.00	7,234.32	11,159.88	7,154.87	70.98	70.32	-75.84	-1,453.25	4,050.66	324.69	189.82	134.87	2.407	
11,400.00	7,234.47	11,259.88	7,154.75	72.56	71.92	-75.78	-1,453.51	4,150.66	324.62	186.63	137.99	2.352	
11,500.00	7,234.63	11,359.88	7,154.63	74.15	73.53	-75.73	-1,453.78	4,250.66	324.55	183.43	141.12	2.300	
11,600.00	7,234.78	11,459.88	7,154.51	75.74	75.13	-75.68	-1,454.05	4,350.66	324.48	180.23	144.25	2.249	
11,700.00	7,234.93	11,559.88	7,154.40	77.34	76.74	-75.63	-1,454.31	4,450.65	324.41	177.03	147.39	2.201	
11,800.00	7,235.09	11,659.88	7,154.28	78.94	78.35	-75.57	-1,454.58	4,550.65	324.35	173.82	150.53	2.155	
11,900.00	7,235.24	11,759.88	7,154.16	80.54	79.97	-75.52	-1,454.85	4,650.65	324.28	170.61	153.67	2.110	
12,000.00	7,235.39	11,859.88	7,154.04	82.14	81.58	-75.47	-1,455.11	4,750.65	324.21	167.39	156.82	2.067	
12,100.00	7,235.55	11,959.88	7,153.92	83.75	83.20	-75.42	-1,455.38	4,850.65	324.14	164.18	159.96	2.026	
12,200.00	7,235.70	12,059.88	7,153.80	85.36	84.82	-75.36	-1,455.65	4,950.65	324.08	160.96	163.11	1.987	
12,300.00	7,235.85	12,159.88	7,153.68	86.97	86.44	-75.31	-1,455.91	5,050.65	324.01	157.74	166.27	1.949	
12,400.00	7,236.00	12,259.88	7,153.57	88.59	88.07	-75.26	-1,456.18	5,150.65	323.94	154.52	169.42	1.912	
12,500.00	7,236.16	12,359.88	7,153.45	90.20	89.70	-75.20	-1,456.45	5,250.65	323.88	151.30	172.58	1.877	
12,600.00	7,236.31	12,459.87	7,153.33	91.82	91.32	-75.15	-1,456.71	5,350.65	323.81	148.07	175.74	1.843	
12,700.00	7,236.46	12,559.87	7,153.21	93.44	92.95	-75.10	-1,456.98	5,450.65	323.74	144.84	178.90	1.810	
12,800.00	7,236.62	12,659.87	7,153.09	95.06	94.58	-75.05	-1,457.25	5,550.64	323.68	141.62	182.06	1.778	
12,900.00	7,236.76	12,759.87	7,152.97	96.68	96.22	-74.96	-1,457.51	5,650.64	323.01	137.81	185.20	1.744	
13,000.00	7,236.89	12,859.86	7,152.85	98.30	97.85	-74.86	-1,457.78	5,750.63	321.84	133.51	188.32	1.709	
13,100.00	7,237.03	12,959.85	7,152.73	99.93	99.48	-74.76	-1,458.05	5,850.62	320.66	129.22	191.45	1.675	
13,200.00	7,237.17	13,059.84	7,152.62	101.55	101.12	-74.65	-1,458.31	5,950.61	319.49	124.92	194.57	1.642	
13,300.00	7,237.30	13,159.83	7,152.50	103.18	102.76	-74.55	-1,458.58	6,050.60	318.32	120.63	197.69	1.610	
13,400.00	7,237.44	13,259.83	7,152.38	104.81	104.39	-74.44	-1,458.85	6,150.59	317.16	116.35	200.81	1.579	
13,500.00	7,237.57	13,359.82	7,152.26	106.43	106.03	-74.33	-1,459.11	6,250.59	315.99	112.06	203.93	1.550	
13,600.00	7,237.71	13,459.81	7,152.14	108.06	107.67	-74.23	-1,459.38	6,350.58	314.82	107.78	207.04	1.521	
13,700.00	7,237.84	13,559.80	7,152.02	109.70	109.32	-74.12	-1,459.65	6,450.57	313.66	103.50	210.16	1.492	Level 3
13,800.00	7,237.98	13,659.79	7,151.90	111.33	110.96	-74.01	-1,459.91	6,550.56	312.49	99.22	213.27	1.465	Level 3
13,900.00	7,238.11	13,759.78	7,151.79	112.96	112.60	-73.90	-1,460.18	6,650.55	311.33	94.95	216.38	1.439	Level 3
14,000.00	7,238.25	13,859.78	7,151.67	114.60	114.24	-73.79	-1,460.45	6,750.54	310.17	90.68	219.49	1.413	Level 3
14,100.00	7,238.38	13,959.77	7,151.55	116.23	115.89	-73.68	-1,460.71	6,850.53	309.01	86.41	222.60	1.388	Level 3
14,200.00	7,238.52	14,059.76	7,151.43	117.87	117.53	-73.56	-1,460.98	6,950.52	307.85	82.15	225.70	1.364	Level 3
14,300.00	7,238.66	14,159.75	7,151.31	119.51	119.18	-73.45	-1,461.25	7,050.51	306.69	77.89	228.80	1.340	Level 3
14,400.00	7,238.79	14,259.74	7,151.19	121.15	120.83	-73.34	-1,461.51	7,150.50	305.53	73.64	231.90	1.318	Level 3
14,500.00	7,238.93	14,359.73	7,151.07	122.78	122.47	-73.22	-1,461.78	7,250.50	304.38	69.38	234.99	1.295	Level 3
14,600.00	7,239.06	14,459.72	7,150.95	124.42	124.12	-73.11	-1,462.05	7,350.49	303.22	65.14	238.09	1.274	Level 3
14,700.00	7,239.20	14,559.72	7,150.84	126.07	125.77	-72.99	-1,462.31	7,450.48	302.07	60.90	241.18	1.252	Level 3
14,800.00	7,239.33	14,659.71	7,150.72	127.71	127.42	-72.87	-1,462.58	7,550.47	300.92	56.66	244.26	1.232	Level 2
14,900.00	7,239.47	14,759.70	7,150.60	129.35	129.07	-72.75	-1,462.85	7,650.46	299.77	52.42	247.35	1.212	Level 2
15,000.00	7,239.60	14,859.69	7,150.48	130.99	130.72	-72.63	-1,463.11	7,750.45	298.62	48.19	250.42	1.192	Level 2
15,100.00	7,239.74	14,959.68	7,150.36	132.64	132.37	-72.51	-1,463.38	7,850.44	297.47	43.97	253.50	1.173	Level 2
15,200.00	7,239.87	15,059.67	7,150.24	134.28	134.02	-72.39	-1,463.65	7,950.43	296.32	39.75	256.57	1.155	Level 2
15,300.00	7,240.01	15,159.66	7,150.12	135.93	135.68	-72.27	-1,463.91	8,050.42	295.18	35.54	259.64	1.137	Level 2
15,400.00	7,240.14	15,259.66	7,150.01	137.57	137.33	-72.15	-1,464.18	8,150.42	294.04	31.33	262.71	1.119	Level 2

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,240.28	15,359.65	7,149.89	139.22	138.98	-72.02	-1,464.45	8,250.41	292.89	27.13	265.77	1.102	Level 2
15,600.00	7,240.42	15,459.64	7,149.77	140.87	140.63	-71.90	-1,464.71	8,350.40	291.75	22.93	268.82	1.085	Level 2
15,700.00	7,240.55	15,559.63	7,149.65	142.51	142.29	-71.77	-1,464.98	8,450.39	290.61	18.74	271.87	1.069	Level 2
15,800.00	7,240.69	15,659.62	7,149.53	144.16	143.94	-71.64	-1,465.25	8,550.38	289.47	14.55	274.92	1.053	Level 2
15,900.00	7,240.82	15,759.61	7,149.41	145.81	145.60	-71.51	-1,465.51	8,650.37	288.34	10.37	277.96	1.037	Level 2
16,000.00	7,240.96	15,859.60	7,149.29	147.46	147.25	-71.39	-1,465.78	8,750.36	287.20	6.20	281.00	1.022	Level 2
16,100.00	7,241.09	15,959.60	7,149.18	149.11	148.91	-71.26	-1,466.05	8,850.35	286.07	2.03	284.04	1.007	Level 2
16,200.00	7,241.23	16,059.59	7,149.06	150.76	150.56	-71.12	-1,466.31	8,950.34	284.93	-2.13	287.06	0.993	Level 1
16,300.00	7,241.36	16,159.58	7,148.94	152.41	152.22	-70.99	-1,466.58	9,050.33	283.80	-6.28	290.09	0.978	Level 1
16,400.00	7,241.50	16,259.57	7,148.82	154.06	153.88	-70.86	-1,466.85	9,150.33	282.67	-10.43	293.11	0.964	Level 1
16,500.00	7,241.63	16,359.56	7,148.70	155.71	155.53	-70.72	-1,467.11	9,250.32	281.55	-14.57	296.12	0.951	Level 1
16,600.00	7,241.77	16,459.55	7,148.58	157.36	157.19	-70.59	-1,467.38	9,350.31	280.42	-18.71	299.13	0.937	Level 1
16,700.00	7,241.91	16,559.54	7,148.46	159.01	158.85	-70.45	-1,467.65	9,450.30	279.29	-22.83	302.13	0.924	Level 1
16,800.00	7,242.04	16,659.54	7,148.34	160.67	160.51	-70.31	-1,467.91	9,550.29	278.17	-26.95	305.12	0.912	Level 1
16,900.00	7,242.18	16,759.53	7,148.23	162.32	162.16	-70.18	-1,468.18	9,650.28	277.05	-31.06	308.11	0.899	Level 1
17,000.00	7,242.31	16,859.52	7,148.11	163.97	163.82	-70.04	-1,468.45	9,750.27	275.93	-35.17	311.10	0.887	Level 1
17,100.00	7,242.45	16,959.51	7,147.99	165.63	165.48	-69.89	-1,468.71	9,850.26	274.81	-39.26	314.07	0.875	Level 1
17,200.00	7,242.58	17,059.50	7,147.87	167.28	167.14	-69.75	-1,468.98	9,950.25	273.70	-43.35	317.05	0.863	Level 1
17,300.00	7,242.72	17,159.49	7,147.75	168.93	168.80	-69.61	-1,469.25	10,050.24	272.58	-47.43	320.01	0.852	Level 1
17,400.00	7,242.85	17,259.48	7,147.63	170.59	170.46	-69.46	-1,469.51	10,150.24	271.47	-51.50	322.97	0.841	Level 1
17,500.00	7,242.99	17,359.48	7,147.51	172.24	172.12	-69.32	-1,469.78	10,250.23	270.36	-55.57	325.92	0.830	Level 1
17,600.00	7,243.12	17,459.47	7,147.40	173.90	173.78	-69.17	-1,470.05	10,350.22	269.25	-59.62	328.87	0.819	Level 1
17,700.00	7,243.26	17,559.46	7,147.28	175.55	175.44	-69.02	-1,470.31	10,450.21	268.14	-63.67	331.81	0.808	Level 1
17,800.00	7,243.39	17,659.45	7,147.16	177.21	177.10	-68.87	-1,470.58	10,550.20	267.03	-67.70	334.74	0.798	Level 1
17,900.00	7,243.53	17,759.44	7,147.04	178.87	178.76	-68.72	-1,470.85	10,650.19	265.93	-71.73	337.66	0.788	Level 1
18,000.00	7,243.67	17,859.43	7,146.92	180.52	180.42	-68.57	-1,471.11	10,750.18	264.83	-75.75	340.58	0.778	Level 1
18,100.00	7,243.80	17,959.42	7,146.80	182.18	182.08	-68.42	-1,471.38	10,850.17	263.72	-79.76	343.48	0.768	Level 1
18,200.00	7,243.94	18,059.42	7,146.68	183.83	183.74	-68.26	-1,471.65	10,950.16	262.63	-83.76	346.38	0.758	Level 1
18,300.00	7,244.07	18,159.41	7,146.56	185.49	185.40	-68.11	-1,471.91	11,050.15	261.53	-87.75	349.28	0.749	Level 1
18,400.00	7,244.21	18,259.40	7,146.45	187.15	187.06	-67.95	-1,472.18	11,150.15	260.43	-91.73	352.16	0.740	Level 1
18,500.00	7,244.34	18,359.39	7,146.33	188.81	188.72	-67.79	-1,472.45	11,250.14	259.34	-95.69	355.04	0.730	Level 1
18,600.00	7,244.48	18,459.38	7,146.21	190.46	190.39	-67.63	-1,472.71	11,350.13	258.25	-99.65	357.90	0.722	Level 1
18,700.00	7,244.61	18,559.37	7,146.09	192.12	192.05	-67.47	-1,472.98	11,450.12	257.16	-103.60	360.76	0.713	Level 1
18,800.00	7,244.75	18,659.36	7,145.97	193.78	193.71	-67.31	-1,473.25	11,550.11	256.08	-107.54	363.61	0.704	Level 1
18,900.00	7,244.88	18,759.36	7,145.85	195.44	195.37	-67.14	-1,473.51	11,650.10	254.99	-111.46	366.45	0.696	Level 1
19,000.00	7,245.02	18,859.35	7,145.73	197.10	197.04	-66.98	-1,473.78	11,750.09	253.91	-115.37	369.28	0.688	Level 1
19,100.00	7,245.16	18,959.34	7,145.62	198.76	198.70	-66.81	-1,474.05	11,850.08	252.83	-119.28	372.10	0.679	Level 1
19,200.00	7,245.29	19,059.33	7,145.50	200.41	200.36	-66.64	-1,474.31	11,950.07	251.75	-123.17	374.92	0.671	Level 1
19,300.00	7,245.43	19,159.32	7,145.38	202.07	202.02	-66.47	-1,474.58	12,050.07	250.67	-127.04	377.72	0.664	Level 1
19,400.00	7,245.56	19,259.31	7,145.26	203.73	203.69	-66.30	-1,474.85	12,150.06	249.60	-130.91	380.51	0.656	Level 1
19,500.00	7,245.70	19,359.30	7,145.14	205.39	205.35	-66.13	-1,475.12	12,250.05	248.53	-134.76	383.29	0.648	Level 1
19,600.00	7,245.83	19,459.30	7,145.02	207.05	207.01	-65.96	-1,475.38	12,350.04	247.46	-138.60	386.06	0.641	Level 1
19,700.00	7,245.97	19,559.29	7,144.90	208.71	208.68	-65.78	-1,475.65	12,450.03	246.39	-142.43	388.82	0.634	Level 1
19,800.00	7,246.10	19,659.28	7,144.78	210.37	210.34	-65.60	-1,475.92	12,550.02	245.33	-146.25	391.57	0.627	Level 1
19,900.00	7,246.24	19,759.27	7,144.67	212.03	212.00	-65.43	-1,476.18	12,650.01	244.27	-150.05	394.31	0.619	Level 1
20,000.00	7,246.37	19,859.26	7,144.55	213.69	213.67	-65.25	-1,476.45	12,750.00	243.21	-153.83	397.04	0.613	Level 1
20,100.00	7,246.51	19,959.25	7,144.43	215.35	215.33	-65.06	-1,476.72	12,849.99	242.15	-157.61	399.76	0.606	Level 1
20,200.00	7,246.64	20,059.24	7,144.31	217.01	217.00	-64.88	-1,476.98	12,949.98	241.09	-161.37	402.46	0.599	Level 1
20,300.00	7,246.78	20,159.24	7,144.19	218.67	218.66	-64.70	-1,477.25	13,049.98	240.04	-165.11	405.15	0.592	Level 1
20,400.00	7,246.92	20,259.23	7,144.07	220.34	220.33	-64.51	-1,477.52	13,149.97	238.99	-168.84	407.83	0.586	Level 1
20,462.76	7,247.00	20,321.98	7,144.00	221.42	221.37	-64.39	-1,477.68	13,212.72	238.33	-171.19	409.52	0.582	Level 1, ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	120.22	-0.84	120.22				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	120.22	-0.84	120.22	112.70	7.53	15.968	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	120.22	-0.84	120.22	112.65	7.57	15.874	
300.00	299.98	304.34	304.32	3.34	3.35	177.08	118.34	-1.07	120.16	112.51	7.65	15.704	
394.48	394.33	402.63	402.46	3.40	3.41	176.87	113.12	-1.72	120.00	112.25	7.75	15.481	CC
400.00	399.84	408.15	407.97	3.40	3.41	176.85	112.75	-1.77	120.00	112.24	7.76	15.468	ES
500.00	499.45	508.12	507.71	3.49	3.49	176.64	105.96	-2.61	121.94	114.02	7.92	15.401	SF
600.00	598.70	607.97	607.32	3.60	3.60	176.53	99.19	-3.46	127.36	119.24	8.12	15.680	
700.00	697.47	707.57	706.69	3.75	3.72	176.51	92.43	-4.30	136.25	127.88	8.37	16.277	
800.00	795.62	806.80	805.68	3.95	3.87	176.57	85.70	-5.14	148.61	139.95	8.66	17.157	
900.00	893.06	905.53	904.19	4.19	4.03	176.69	79.00	-5.97	164.42	155.42	8.99	18.285	
1,000.00	989.79	1,003.77	1,002.20	4.48	4.20	176.85	72.34	-6.80	183.09	173.73	9.36	19.565	
1,100.00	1,086.45	1,101.95	1,100.15	4.80	4.39	176.99	65.68	-7.63	202.08	192.33	9.74	20.739	
1,200.00	1,183.11	1,200.13	1,198.10	5.15	4.59	177.10	59.02	-8.46	221.06	210.91	10.16	21.766	
1,300.00	1,279.77	1,301.69	1,296.05	5.52	4.81	177.20	52.36	-9.29	240.05	229.45	10.60	22.649	
1,400.00	1,376.43	1,403.51	1,394.00	5.90	5.03	177.28	45.70	-10.12	259.04	247.97	11.06	23.416	
1,500.00	1,473.09	1,505.33	1,491.95	6.30	5.26	177.35	39.04	-10.95	278.03	266.48	11.54	24.084	
1,600.00	1,569.75	1,607.15	1,589.90	6.72	5.50	177.42	32.38	-11.78	297.01	284.97	12.04	24.666	
1,700.00	1,666.41	1,708.97	1,687.85	7.14	5.75	177.47	25.72	-12.61	316.00	303.45	12.55	25.175	
1,800.00	1,763.07	1,789.21	1,785.80	7.57	5.95	177.52	19.06	-13.44	334.99	321.97	13.03	25.719	
1,900.00	1,859.73	1,887.39	1,883.75	7.81	6.09	177.56	12.40	-14.27	353.98	341.04	12.94	27.359	
2,000.00	1,956.39	1,985.57	1,981.70	7.87	6.12	177.60	5.73	-15.10	372.97	359.98	12.99	28.722	
2,100.00	2,053.05	2,083.75	2,079.65	7.96	6.15	177.64	-0.93	-15.93	391.96	378.91	13.05	30.036	
2,200.00	2,149.71	2,181.93	2,177.60	8.07	6.19	177.67	-7.59	-16.76	410.95	397.80	13.14	31.264	
2,300.00	2,246.37	2,280.11	2,275.55	8.19	6.25	177.70	-14.25	-17.58	429.94	416.67	13.27	32.399	
2,400.00	2,343.03	2,378.29	2,373.50	8.34	6.32	177.72	-20.91	-18.41	448.93	435.50	13.42	33.440	
2,500.00	2,439.69	2,476.48	2,471.45	8.50	6.40	177.75	-27.57	-19.24	467.92	454.31	13.61	34.386	
2,600.00	2,536.35	2,574.66	2,569.41	8.68	6.49	177.77	-34.23	-20.07	486.91	473.09	13.82	35.237	
2,700.00	2,633.01	2,672.84	2,667.36	8.88	6.59	177.79	-40.89	-20.90	505.90	491.84	14.05	35.996	
2,800.00	2,729.67	2,771.02	2,765.31	9.09	6.71	177.81	-47.55	-21.73	524.89	510.57	14.31	36.667	
2,900.00	2,826.33	2,869.20	2,863.26	9.32	6.83	177.83	-54.21	-22.56	543.88	529.28	14.60	37.255	
3,000.00	2,922.99	2,967.38	2,961.21	9.56	6.96	177.85	-60.87	-23.39	562.87	547.96	14.90	37.765	
3,100.00	3,019.65	3,065.56	3,059.16	9.81	7.11	177.86	-67.53	-24.22	581.86	566.63	15.23	38.204	
3,200.00	3,116.31	3,163.74	3,157.11	10.07	7.26	177.88	-74.19	-25.05	600.85	585.27	15.58	38.577	
3,300.00	3,212.97	3,261.92	3,255.06	10.34	7.42	177.89	-80.85	-25.88	619.84	603.90	15.94	38.890	
3,400.00	3,309.63	3,360.10	3,353.01	10.63	7.58	177.90	-87.51	-26.71	638.83	622.51	16.32	39.150	
3,500.00	3,406.29	3,458.28	3,450.96	10.92	7.76	177.92	-94.17	-27.54	657.82	641.11	16.71	39.361	
3,600.00	3,502.95	3,556.46	3,548.91	11.21	7.94	177.93	-100.83	-28.37	676.81	659.69	17.12	39.530	
3,700.00	3,599.61	3,654.64	3,646.86	11.52	8.12	177.94	-107.49	-29.20	695.80	678.26	17.54	39.661	
3,800.00	3,696.27	3,752.82	3,744.81	11.83	8.31	177.95	-114.15	-30.03	714.79	696.81	17.98	39.758	
3,900.00	3,792.93	3,851.00	3,842.76	12.15	8.51	177.96	-120.81	-30.86	733.78	715.36	18.42	39.826	
4,000.00	3,889.59	3,949.18	3,940.71	12.48	8.71	177.97	-127.47	-31.69	752.77	733.89	18.88	39.869	
4,100.00	3,986.25	4,047.36	4,038.66	12.81	8.92	177.98	-134.14	-32.52	771.76	752.41	19.35	39.889	
4,200.00	4,082.91	4,145.54	4,136.61	13.14	9.13	177.98	-140.80	-33.35	790.75	770.93	19.82	39.890	
4,300.00	4,179.57	4,243.72	4,234.56	13.48	9.35	177.99	-147.46	-34.18	809.74	789.43	20.31	39.875	
4,400.00	4,276.23	4,341.90	4,332.51	13.83	9.56	178.00	-154.12	-35.01	828.73	807.93	20.80	39.845	
4,500.00	4,372.89	4,440.08	4,430.46	14.18	9.79	178.01	-160.78	-35.84	847.72	826.42	21.30	39.802	
4,600.00	4,469.55	4,538.26	4,528.42	14.53	10.01	178.02	-167.44	-36.67	866.71	844.91	21.80	39.750	
4,700.00	4,566.21	4,636.44	4,626.37	14.88	10.24	178.02	-174.10	-37.50	885.70	863.39	22.32	39.688	
4,800.00	4,662.87	4,734.62	4,724.32	15.24	10.47	178.03	-180.76	-38.32	904.69	881.86	22.83	39.619	
4,900.00	4,759.53	4,832.80	4,822.27	15.60	10.71	178.03	-187.42	-39.15	923.69	900.33	23.36	39.544	
5,000.00	4,856.19	4,930.98	4,920.22	15.97	10.94	178.04	-194.08	-39.98	942.68	918.79	23.89	39.464	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	5,029.16	5,018.17	16.33	11.18	178.05	-200.74	-40.81	961.67	937.25	24.42	39.379	
5,200.00	5,049.52	5,127.34	5,116.12	16.70	11.42	178.05	-207.40	-41.64	980.66	955.70	24.96	39.291	
5,300.00	5,146.18	5,225.52	5,214.07	17.07	11.67	178.06	-214.06	-42.47	999.65	974.15	25.50	39.200	
5,400.00	5,242.84	5,323.70	5,312.02	17.45	11.91	178.06	-220.72	-43.30	1,018.64	992.59	26.05	39.107	
5,500.00	5,339.50	5,421.88	5,409.97	17.82	12.16	178.07	-227.38	-44.13	1,037.63	1,011.03	26.60	39.012	
5,600.00	5,436.16	5,520.06	5,507.92	18.20	12.41	178.07	-234.04	-44.96	1,056.62	1,029.47	27.15	38.917	
5,700.00	5,532.82	5,618.24	5,605.87	18.58	12.66	178.08	-240.70	-45.79	1,075.61	1,047.90	27.71	38.820	
5,800.00	5,629.48	5,716.42	5,703.82	18.96	12.91	178.08	-247.36	-46.62	1,094.60	1,066.33	28.27	38.723	
5,900.00	5,726.14	5,814.60	5,801.77	19.34	13.16	178.08	-254.02	-47.45	1,113.59	1,084.76	28.83	38.626	
6,000.00	5,822.80	5,912.78	5,899.72	19.73	13.42	178.09	-260.68	-48.28	1,132.58	1,103.19	29.40	38.529	
6,100.00	5,919.46	6,010.96	5,997.67	20.11	13.67	178.09	-267.34	-49.11	1,151.57	1,121.61	29.96	38.433	
6,200.00	6,016.12	6,109.14	6,095.62	20.50	13.93	178.10	-274.01	-49.94	1,170.56	1,140.03	30.53	38.337	
6,300.00	6,112.78	6,207.32	6,193.57	20.89	14.19	178.10	-280.67	-50.77	1,189.55	1,158.45	31.11	38.242	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.32	100.18	-0.56	100.18				
100.00	100.00	100.00	100.00	3.28	3.28	-0.32	100.18	-0.56	100.18	92.65	7.53	13.306	
200.00	200.00	200.00	200.00	3.31	3.31	-0.32	100.18	-0.56	100.18	92.61	7.57	13.227	
300.00	299.98	303.60	303.58	3.34	3.35	177.17	98.32	-0.74	100.13	92.48	7.65	13.087	
400.00	399.84	407.20	407.02	3.40	3.41	176.98	92.73	-1.31	99.96	92.21	7.76	12.889	
451.28	450.96	460.05	459.69	3.45	3.45	176.83	88.46	-1.74	99.85	92.02	7.83	12.758	CC, ES
500.00	499.45	508.76	508.22	3.49	3.50	176.70	84.19	-2.17	100.26	92.35	7.91	12.677	
600.00	598.70	608.70	607.77	3.60	3.60	176.53	75.44	-3.05	103.70	95.59	8.11	12.781	
700.00	697.47	708.46	707.13	3.75	3.74	176.47	66.70	-3.93	110.63	102.26	8.36	13.228	
800.00	795.62	807.91	806.20	3.95	3.89	176.53	57.99	-4.81	121.02	112.36	8.66	13.981	
900.00	893.06	906.94	904.85	4.19	4.06	176.65	49.32	-5.68	134.87	125.88	8.99	15.003	
1,000.00	989.79	1,005.53	1,003.05	4.48	4.24	176.82	40.68	-6.55	151.59	142.23	9.36	16.197	
1,100.00	1,086.45	1,104.07	1,101.21	4.80	4.44	176.97	32.05	-7.42	168.63	158.88	9.75	17.295	
1,200.00	1,183.11	1,202.60	1,199.36	5.15	4.65	177.09	23.42	-8.29	185.67	175.50	10.17	18.259	
1,300.00	1,279.77	1,301.14	1,297.52	5.52	4.87	177.19	14.79	-9.16	202.71	192.10	10.61	19.105	
1,400.00	1,376.43	1,400.32	1,395.67	5.90	5.11	177.28	6.16	-10.02	219.75	208.67	11.07	19.845	
1,500.00	1,473.09	1,498.21	1,493.83	6.30	5.34	177.35	-2.47	-10.89	236.79	225.24	11.55	20.498	
1,600.00	1,569.75	1,603.25	1,591.98	6.72	5.60	177.42	-11.10	-11.76	253.83	241.77	12.06	21.045	
1,700.00	1,666.41	1,704.71	1,690.14	7.14	5.86	177.47	-19.73	-12.63	270.87	258.29	12.58	21.538	
1,800.00	1,763.07	1,806.18	1,788.29	7.57	6.12	177.52	-28.36	-13.50	287.91	274.99	12.92	22.276	
1,900.00	1,859.73	1,907.64	1,886.45	7.81	6.25	177.56	-36.99	-14.37	304.95	291.96	12.99	23.468	
2,000.00	1,956.39	2,009.10	1,984.60	7.87	6.27	177.60	-45.62	-15.24	321.99	308.96	13.03	24.711	
2,100.00	2,053.05	2,089.44	2,082.75	7.96	6.30	177.64	-54.25	-16.11	339.03	325.94	13.09	25.897	
2,200.00	2,149.71	2,187.97	2,180.91	8.07	6.35	177.67	-62.88	-16.98	356.08	342.89	13.19	26.999	
2,300.00	2,246.37	2,286.51	2,279.06	8.19	6.41	177.70	-71.51	-17.85	373.12	359.80	13.32	28.020	
2,400.00	2,343.03	2,385.05	2,377.22	8.34	6.48	177.72	-80.14	-18.71	390.16	376.69	13.47	28.958	
2,500.00	2,439.69	2,483.58	2,475.37	8.50	6.57	177.75	-88.77	-19.58	407.20	393.54	13.66	29.811	
2,600.00	2,536.35	2,582.12	2,573.53	8.68	6.67	177.77	-97.40	-20.45	424.24	410.37	13.87	30.581	
2,700.00	2,633.01	2,680.66	2,671.68	8.88	6.78	177.79	-106.03	-21.32	441.28	427.17	14.11	31.269	
2,800.00	2,729.67	2,779.20	2,769.84	9.09	6.90	177.81	-114.66	-22.19	458.33	443.95	14.38	31.878	
2,900.00	2,826.33	2,877.73	2,867.99	9.32	7.03	177.83	-123.29	-23.06	475.37	460.70	14.67	32.414	
3,000.00	2,922.99	2,976.27	2,966.15	9.56	7.17	177.84	-131.92	-23.93	492.41	477.44	14.98	32.881	
3,100.00	3,019.65	3,074.81	3,064.30	9.81	7.32	177.86	-140.55	-24.80	509.45	494.15	15.31	33.284	
3,200.00	3,116.31	3,173.34	3,162.46	10.07	7.48	177.87	-149.18	-25.67	526.50	510.84	15.66	33.628	
3,300.00	3,212.97	3,271.88	3,260.61	10.34	7.65	177.89	-157.81	-26.54	543.54	527.51	16.02	33.920	
3,400.00	3,309.63	3,370.42	3,358.76	10.63	7.82	177.90	-166.44	-27.40	560.58	544.17	16.41	34.163	
3,500.00	3,406.29	3,468.95	3,456.92	10.92	8.00	177.91	-175.07	-28.27	577.62	560.81	16.81	34.364	
3,600.00	3,502.95	3,567.49	3,555.07	11.21	8.19	177.92	-183.70	-29.14	594.66	577.44	17.22	34.526	
3,700.00	3,599.61	3,666.03	3,653.23	11.52	8.39	177.93	-192.33	-30.01	611.71	594.05	17.65	34.655	
3,800.00	3,696.27	3,764.57	3,751.38	11.83	8.59	177.94	-200.96	-30.88	628.75	610.66	18.09	34.753	
3,900.00	3,792.93	3,863.10	3,849.54	12.15	8.79	177.95	-209.59	-31.75	645.79	627.25	18.54	34.826	
4,000.00	3,889.59	3,961.64	3,947.69	12.48	9.00	177.96	-218.22	-32.62	662.83	643.83	19.01	34.875	
4,100.00	3,986.25	4,060.18	4,045.85	12.81	9.22	177.97	-226.85	-33.49	679.88	660.40	19.48	34.905	
4,200.00	4,082.91	4,158.71	4,144.00	13.14	9.44	177.98	-235.48	-34.36	696.92	676.96	19.96	34.917	
4,300.00	4,179.57	4,257.25	4,242.16	13.48	9.66	177.98	-244.11	-35.23	713.96	693.51	20.45	34.913	
4,400.00	4,276.23	4,355.79	4,340.31	13.83	9.89	177.99	-252.74	-36.09	731.00	710.06	20.95	34.897	
4,500.00	4,372.89	4,454.33	4,438.46	14.18	10.12	178.00	-261.37	-36.96	748.04	726.59	21.45	34.870	
4,600.00	4,469.55	4,552.86	4,536.62	14.53	10.36	178.00	-270.00	-37.83	765.09	743.12	21.96	34.833	
4,700.00	4,566.21	4,651.40	4,634.77	14.88	10.59	178.01	-278.63	-38.70	782.13	759.65	22.48	34.789	
4,800.00	4,662.87	4,749.94	4,732.93	15.24	10.83	178.02	-287.26	-39.57	799.17	776.17	23.01	34.737	
4,900.00	4,759.53	4,848.47	4,831.08	15.60	11.08	178.02	-295.89	-40.44	816.21	792.68	23.54	34.679	
5,000.00	4,856.19	4,947.01	4,929.24	15.97	11.32	178.03	-304.52	-41.31	833.26	809.19	24.07	34.617	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	5,045.55	5,027.39	16.33	11.57	178.03	-313.15	-42.18	850.30	825.69	24.61	34.551	
5,200.00	5,049.52	5,144.08	5,125.55	16.70	11.82	178.04	-321.78	-43.05	867.34	842.19	25.15	34.481	
5,300.00	5,146.18	5,242.62	5,223.70	17.07	12.07	178.04	-330.41	-43.92	884.38	858.68	25.70	34.408	
5,400.00	5,242.84	5,341.16	5,321.86	17.45	12.33	178.05	-339.04	-44.78	901.43	875.17	26.25	34.334	
5,500.00	5,339.50	5,439.70	5,420.01	17.82	12.58	178.05	-347.67	-45.65	918.47	891.66	26.81	34.258	
5,600.00	5,436.16	5,538.23	5,518.16	18.20	12.84	178.06	-356.30	-46.52	935.51	908.14	27.37	34.180	
5,700.00	5,532.82	5,636.77	5,616.32	18.58	13.10	178.06	-364.93	-47.39	952.55	924.62	27.93	34.102	
5,800.00	5,629.48	5,735.31	5,714.47	18.96	13.36	178.07	-373.56	-48.26	969.60	941.10	28.50	34.023	
5,900.00	5,726.14	5,833.84	5,812.63	19.34	13.62	178.07	-382.19	-49.13	986.64	957.57	29.07	33.944	
6,000.00	5,822.80	5,932.38	5,910.78	19.73	13.89	178.07	-390.82	-50.00	1,003.68	974.04	29.64	33.865	
6,100.00	5,919.46	6,030.92	6,008.94	20.11	14.15	178.08	-399.45	-50.87	1,020.72	990.51	30.21	33.786	
6,200.00	6,016.12	6,129.45	6,107.09	20.50	14.42	178.08	-408.08	-51.74	1,037.77	1,006.98	30.79	33.707	
6,300.00	6,112.78	6,227.99	6,205.25	20.89	14.69	178.08	-416.71	-52.61	1,054.81	1,023.44	31.37	33.629	
6,400.00	6,209.44	6,326.53	6,303.40	21.27	14.95	178.09	-425.34	-53.47	1,071.85	1,039.90	31.95	33.551	
6,500.00	6,306.10	6,425.07	6,401.56	21.66	15.22	178.09	-433.97	-54.34	1,088.89	1,056.36	32.53	33.474	
6,600.00	6,402.76	6,523.60	6,499.71	22.06	15.49	178.09	-442.60	-55.21	1,105.94	1,072.82	33.11	33.397	
6,700.00	6,499.42	6,622.17	6,597.89	22.45	15.76	178.10	-451.24	-56.08	1,122.98	1,089.28	33.70	33.322	
6,800.00	6,596.08	6,720.75	6,695.73	22.84	15.99	178.51	-459.96	-48.89	1,140.01	1,105.76	34.25	33.289	
6,900.00	6,692.52	6,816.27	6,788.35	23.18	16.21	-151.14	-468.44	-27.56	1,157.08	1,122.35	34.73	33.313	
7,000.00	6,787.02	6,909.66	6,874.84	23.49	16.42	-127.94	-476.57	6.52	1,173.80	1,138.62	35.18	33.364	
7,100.00	6,877.26	7,001.29	6,953.96	23.80	16.62	-114.36	-484.22	51.93	1,189.70	1,154.09	35.61	33.409	
10,100.00	7,232.49	9,930.58	7,238.02	52.39	50.57	-90.26	-568.06	2,885.45	1,199.02	1,096.47	102.55	11.692	
10,200.00	7,232.64	10,030.54	7,238.19	53.90	52.16	-90.26	-571.03	2,985.36	1,196.18	1,090.50	105.69	11.318	
10,300.00	7,232.79	10,130.50	7,238.37	55.42	53.75	-90.27	-573.99	3,085.28	1,193.35	1,084.52	108.83	10.965	
10,400.00	7,232.95	10,230.45	7,238.54	56.94	55.34	-90.27	-576.95	3,185.19	1,190.51	1,078.52	111.99	10.631	
10,500.00	7,233.10	10,330.41	7,238.71	58.48	56.94	-90.27	-579.91	3,285.11	1,187.67	1,072.52	115.15	10.314	
10,600.00	7,233.25	10,430.37	7,238.89	60.02	58.55	-90.27	-582.88	3,385.02	1,184.83	1,066.50	118.33	10.013	
10,700.00	7,233.40	10,530.33	7,239.06	61.57	60.16	-90.27	-585.84	3,484.94	1,182.00	1,060.48	121.52	9.727	
10,800.00	7,233.56	10,630.29	7,239.23	63.12	61.77	-90.27	-588.80	3,584.86	1,179.16	1,054.45	124.71	9.455	
10,900.00	7,233.71	10,730.25	7,239.41	64.69	63.38	-90.28	-591.77	3,684.77	1,176.32	1,048.41	127.92	9.196	
11,000.00	7,233.86	10,830.21	7,239.58	66.25	65.00	-90.28	-594.73	3,784.69	1,173.48	1,042.36	131.13	8.949	
11,100.00	7,234.02	10,930.17	7,239.76	67.82	66.62	-90.28	-597.69	3,884.60	1,170.65	1,036.31	134.34	8.714	
11,200.00	7,234.17	11,021.96	7,239.92	69.40	68.11	-90.28	-600.34	3,976.35	1,167.91	1,030.56	137.34	8.503	
11,285.02	7,234.30	11,085.16	7,240.02	70.74	69.14	-90.28	-601.07	4,036.28	1,166.99	1,027.56	139.43	8.370	
11,300.00	7,234.32	11,103.13	7,240.05	70.98	69.43	-90.28	-601.09	4,051.26	1,166.99	1,027.03	139.96	8.338	
11,400.00	7,234.47	11,203.13	7,240.22	72.56	71.05	-90.28	-601.21	4,151.26	1,167.00	1,023.81	143.19	8.150	
11,500.00	7,234.63	11,303.13	7,240.39	74.15	72.68	-90.28	-601.32	4,251.26	1,167.01	1,020.58	146.43	7.970	
11,600.00	7,234.78	11,403.13	7,240.57	75.74	74.30	-90.28	-601.44	4,351.26	1,167.02	1,017.35	149.67	7.797	
11,700.00	7,234.93	11,503.13	7,240.74	77.34	75.93	-90.29	-601.56	4,451.26	1,167.03	1,014.12	152.91	7.632	
11,800.00	7,235.09	11,603.13	7,240.92	78.94	77.56	-90.29	-601.67	4,551.26	1,167.04	1,010.88	156.16	7.473	
11,900.00	7,235.24	11,696.87	7,241.09	80.54	79.09	-90.29	-601.79	4,651.26	1,167.05	1,007.74	159.31	7.326	
12,000.00	7,235.39	11,803.13	7,241.27	82.14	80.83	-90.29	-601.90	4,751.26	1,167.06	1,004.39	162.67	7.174	
12,100.00	7,235.55	11,903.13	7,241.44	83.75	82.46	-90.29	-602.02	4,851.26	1,167.07	1,001.14	165.93	7.033	
12,200.00	7,235.70	12,003.13	7,241.61	85.36	84.10	-90.29	-602.14	4,951.26	1,167.08	997.89	169.19	6.898	
12,300.00	7,235.85	12,103.13	7,241.79	86.97	85.74	-90.29	-602.25	5,051.25	1,167.09	994.63	172.46	6.767	
12,400.00	7,236.00	12,203.13	7,241.96	88.59	87.38	-90.29	-602.37	5,151.25	1,167.10	991.38	175.73	6.641	
12,500.00	7,236.16	12,303.13	7,242.14	90.20	89.02	-90.29	-602.48	5,251.25	1,167.12	988.11	179.00	6.520	
12,600.00	7,236.31	12,403.13	7,242.31	91.82	90.66	-90.29	-602.60	5,351.25	1,167.13	984.85	182.28	6.403	
12,700.00	7,236.46	12,503.13	7,242.48	93.44	92.30	-90.30	-602.72	5,451.25	1,167.14	981.58	185.55	6.290	
12,800.00	7,236.62	12,603.13	7,242.66	95.06	93.95	-90.30	-602.83	5,551.25	1,167.15	978.31	188.83	6.181	
12,900.00	7,236.76	12,703.13	7,242.83	96.68	95.59	-90.30	-602.95	5,651.25	1,166.53	974.42	192.11	6.072	
13,000.00	7,236.89	12,803.14	7,243.01	98.30	97.24	-90.30	-603.06	5,751.24	1,165.40	970.01	195.39	5.964	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,100.00	7,237.03	12,903.14	7,243.18	99.93	98.89	-90.30	-603.18	5,851.24	1,164.27	965.59	198.68	5.860	
13,200.00	7,237.17	13,003.15	7,243.36	101.55	100.53	-90.30	-603.30	5,951.23	1,163.14	961.17	201.96	5.759	
13,300.00	7,237.30	13,103.16	7,243.53	103.18	102.18	-90.31	-603.41	6,051.22	1,162.01	956.75	205.25	5.661	
13,400.00	7,237.44	13,203.16	7,243.70	104.81	103.83	-90.31	-603.53	6,151.22	1,160.87	952.33	208.54	5.567	
13,500.00	7,237.57	13,303.17	7,243.88	106.43	105.48	-90.31	-603.64	6,251.21	1,159.74	947.91	211.83	5.475	
13,600.00	7,237.71	13,403.18	7,244.05	108.06	107.13	-90.31	-603.76	6,351.20	1,158.61	943.48	215.13	5.386	
13,700.00	7,237.84	13,503.18	7,244.23	109.70	108.78	-90.32	-603.88	6,451.20	1,157.48	939.05	218.42	5.299	
13,800.00	7,237.98	13,603.19	7,244.40	111.33	110.43	-90.32	-603.99	6,551.19	1,156.34	934.63	221.72	5.215	
13,900.00	7,238.11	13,703.20	7,244.58	112.96	112.09	-90.32	-604.11	6,651.18	1,155.21	930.20	225.02	5.134	
14,000.00	7,238.25	13,803.20	7,244.75	114.60	113.74	-90.32	-604.23	6,751.18	1,154.08	925.77	228.31	5.055	
14,100.00	7,238.38	13,903.21	7,244.92	116.23	115.39	-90.32	-604.34	6,851.17	1,152.95	921.33	231.61	4.978	
14,200.00	7,238.52	14,003.22	7,245.10	117.87	117.05	-90.33	-604.46	6,951.16	1,151.82	916.90	234.92	4.903	
14,300.00	7,238.66	14,103.22	7,245.27	119.51	118.70	-90.33	-604.57	7,051.16	1,150.68	912.47	238.22	4.830	
14,400.00	7,238.79	14,203.23	7,245.45	121.15	120.36	-90.33	-604.69	7,151.15	1,149.55	908.03	241.52	4.760	
14,500.00	7,238.93	14,303.23	7,245.62	122.78	122.01	-90.33	-604.81	7,251.14	1,148.42	903.59	244.83	4.691	
14,600.00	7,239.06	14,403.24	7,245.80	124.42	123.67	-90.34	-604.92	7,351.14	1,147.29	899.16	248.13	4.624	
14,700.00	7,239.20	14,503.25	7,245.97	126.07	125.32	-90.34	-605.04	7,451.13	1,146.16	894.72	251.44	4.558	
14,800.00	7,239.33	14,596.75	7,246.14	127.71	126.87	-90.34	-605.15	7,551.12	1,145.02	890.39	254.64	4.497	
14,900.00	7,239.47	14,703.26	7,246.32	129.35	128.64	-90.34	-605.27	7,651.12	1,143.89	885.84	258.05	4.433	
15,000.00	7,239.60	14,803.27	7,246.49	130.99	130.30	-90.34	-605.39	7,751.11	1,142.76	881.40	261.36	4.372	
15,100.00	7,239.74	14,903.27	7,246.67	132.64	131.95	-90.35	-605.50	7,851.10	1,141.63	876.95	264.67	4.313	
15,200.00	7,239.87	15,003.28	7,246.84	134.28	133.61	-90.35	-605.62	7,951.10	1,140.50	872.51	267.98	4.256	
15,300.00	7,240.01	15,103.29	7,247.02	135.93	135.27	-90.35	-605.73	8,051.09	1,139.36	868.07	271.30	4.200	
15,400.00	7,240.14	15,203.29	7,247.19	137.57	136.93	-90.35	-605.85	8,151.08	1,138.23	863.62	274.61	4.145	
15,500.00	7,240.28	15,303.30	7,247.36	139.22	138.59	-90.36	-605.97	8,251.08	1,137.10	859.18	277.92	4.091	
15,600.00	7,240.42	15,403.31	7,247.54	140.87	140.25	-90.36	-606.08	8,351.07	1,135.97	854.73	281.23	4.039	
15,700.00	7,240.55	15,503.31	7,247.71	142.51	141.91	-90.36	-606.20	8,451.06	1,134.84	850.29	284.55	3.988	
15,800.00	7,240.69	15,603.32	7,247.89	144.16	143.57	-90.36	-606.31	8,551.06	1,133.70	845.84	287.86	3.938	
15,900.00	7,240.82	15,703.32	7,248.06	145.81	145.23	-90.37	-606.43	8,651.05	1,132.57	841.39	291.18	3.890	
16,000.00	7,240.96	15,803.33	7,248.23	147.46	146.89	-90.37	-606.55	8,751.04	1,131.44	836.94	294.50	3.842	
16,100.00	7,241.09	15,903.34	7,248.41	149.11	148.55	-90.37	-606.66	8,851.04	1,130.31	832.49	297.81	3.795	
16,200.00	7,241.23	16,003.34	7,248.58	150.76	150.21	-90.37	-606.78	8,951.03	1,129.17	828.04	301.13	3.750	
16,300.00	7,241.36	16,103.35	7,248.76	152.41	151.87	-90.37	-606.89	9,051.02	1,128.04	823.59	304.45	3.705	
16,400.00	7,241.50	16,203.36	7,248.93	154.06	153.53	-90.38	-607.01	9,151.02	1,126.91	819.14	307.77	3.662	
16,500.00	7,241.63	16,303.36	7,249.11	155.71	155.20	-90.38	-607.13	9,251.01	1,125.78	814.69	311.09	3.619	
16,600.00	7,241.77	16,403.37	7,249.28	157.36	156.86	-90.38	-607.24	9,351.00	1,124.65	810.24	314.40	3.577	
16,700.00	7,241.91	16,503.38	7,249.45	159.01	158.52	-90.38	-607.36	9,451.00	1,123.51	805.79	317.72	3.536	
16,800.00	7,242.04	16,603.38	7,249.63	160.67	160.18	-90.39	-607.47	9,550.99	1,122.38	801.34	321.05	3.496	
16,900.00	7,242.18	16,703.39	7,249.80	162.32	161.85	-90.39	-607.59	9,650.98	1,121.25	796.88	324.37	3.457	
17,000.00	7,242.31	16,803.39	7,249.98	163.97	163.51	-90.39	-607.71	9,750.98	1,120.12	792.43	327.69	3.418	
17,100.00	7,242.45	16,903.40	7,250.15	165.63	165.17	-90.39	-607.82	9,850.97	1,118.99	787.98	331.01	3.381	
17,200.00	7,242.58	17,003.41	7,250.33	167.28	166.83	-90.40	-607.94	9,950.97	1,117.85	783.52	334.33	3.344	
17,300.00	7,242.72	17,103.41	7,250.50	168.93	168.50	-90.40	-608.06	10,050.96	1,116.72	779.07	337.65	3.307	
17,400.00	7,242.85	17,203.42	7,250.67	170.59	170.16	-90.40	-608.17	10,150.95	1,115.59	774.61	340.98	3.272	
17,500.00	7,242.99	17,303.43	7,250.85	172.24	171.82	-90.40	-608.29	10,250.95	1,114.46	770.16	344.30	3.237	
17,600.00	7,243.12	17,403.43	7,251.02	173.90	173.49	-90.41	-608.40	10,350.94	1,113.33	765.70	347.62	3.203	
17,700.00	7,243.26	17,503.44	7,251.20	175.55	175.15	-90.41	-608.52	10,450.93	1,112.19	761.25	350.95	3.169	
17,800.00	7,243.39	17,603.45	7,251.37	177.21	176.82	-90.41	-608.64	10,550.93	1,111.06	756.79	354.27	3.136	
17,900.00	7,243.53	17,703.45	7,251.55	178.87	178.48	-90.41	-608.75	10,650.92	1,109.93	752.33	357.60	3.104	
18,000.00	7,243.67	17,803.46	7,251.72	180.52	180.15	-90.42	-608.87	10,750.91	1,108.80	747.88	360.92	3.072	
18,100.00	7,243.80	17,903.47	7,251.89	182.18	181.81	-90.42	-608.98	10,850.91	1,107.67	743.42	364.25	3.041	
18,200.00	7,243.94	18,003.47	7,252.07	183.83	183.47	-90.42	-609.10	10,950.90	1,106.53	738.96	367.57	3.010	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,300.00	7,244.07	18,103.48	7,252.24	185.49	185.14	-90.42	-609.22	11,050.89	1,105.40	734.50	370.90	2.980	
18,400.00	7,244.21	18,203.48	7,252.42	187.15	186.80	-90.43	-609.33	11,150.89	1,104.27	730.05	374.22	2.951	
18,500.00	7,244.34	18,303.49	7,252.59	188.81	188.47	-90.43	-609.45	11,250.88	1,103.14	725.59	377.55	2.922	
18,600.00	7,244.48	18,403.50	7,252.76	190.46	190.13	-90.43	-609.56	11,350.87	1,102.01	721.13	380.88	2.893	
18,700.00	7,244.61	18,503.50	7,252.94	192.12	191.80	-90.43	-609.68	11,450.87	1,100.87	716.67	384.20	2.865	
18,800.00	7,244.75	18,596.49	7,253.11	193.78	193.35	-90.43	-609.80	11,550.86	1,099.74	712.33	387.41	2.839	
18,900.00	7,244.88	18,703.52	7,253.29	195.44	195.13	-90.44	-609.91	11,650.85	1,098.61	707.75	390.86	2.811	
19,000.00	7,245.02	18,803.52	7,253.46	197.10	196.80	-90.44	-610.03	11,750.85	1,097.48	703.29	394.19	2.784	
19,100.00	7,245.16	18,903.53	7,253.64	198.76	198.46	-90.44	-610.14	11,850.84	1,096.35	698.83	397.52	2.758	
19,200.00	7,245.29	19,003.54	7,253.81	200.41	200.13	-90.44	-610.26	11,950.83	1,095.21	694.37	400.84	2.732	
19,300.00	7,245.43	19,103.54	7,253.98	202.07	201.79	-90.45	-610.38	12,050.83	1,094.08	689.91	404.17	2.707	
19,400.00	7,245.56	19,203.55	7,254.16	203.73	203.46	-90.45	-610.49	12,150.82	1,092.95	685.45	407.50	2.682	
19,500.00	7,245.70	19,303.56	7,254.33	205.39	205.13	-90.45	-610.61	12,250.81	1,091.82	680.99	410.83	2.658	
19,600.00	7,245.83	19,403.56	7,254.51	207.05	206.79	-90.45	-610.72	12,350.81	1,090.69	676.53	414.16	2.633	
19,700.00	7,245.97	19,503.57	7,254.68	208.71	208.46	-90.46	-610.84	12,450.80	1,089.55	672.07	417.49	2.610	
19,800.00	7,246.10	19,603.57	7,254.86	210.37	210.13	-90.46	-610.96	12,550.79	1,088.42	667.60	420.82	2.586	
19,900.00	7,246.24	19,703.58	7,255.03	212.03	211.79	-90.46	-611.07	12,650.79	1,087.29	663.14	424.15	2.563	
20,000.00	7,246.37	19,803.59	7,255.20	213.69	213.46	-90.46	-611.19	12,750.78	1,086.16	658.68	427.48	2.541	
20,100.00	7,246.51	19,903.59	7,255.38	215.35	215.13	-90.47	-611.30	12,850.77	1,085.03	654.22	430.81	2.519	
20,200.00	7,246.64	20,003.60	7,255.55	217.01	216.79	-90.47	-611.42	12,950.77	1,083.89	649.76	434.14	2.497	
20,300.00	7,246.78	20,103.61	7,255.73	218.67	218.46	-90.47	-611.54	13,050.76	1,082.76	645.29	437.47	2.475	
20,400.00	7,246.92	20,196.39	7,255.90	220.34	220.01	-90.48	-611.65	13,150.75	1,081.63	640.95	440.68	2.454	
20,462.76	7,247.00	20,253.70	7,256.00	221.42	220.96	-90.48	-611.72	13,208.06	1,080.93	638.34	442.59	2.442	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	42.79	161.02	149.06	219.42				
100.00	100.00	101.00	99.00	3.28	3.28	42.79	161.02	149.06	219.42	211.89	7.53	29.144	
200.00	200.00	199.00	199.00	3.31	3.30	42.79	161.02	149.06	219.42	211.85	7.57	28.972	CC, ES
300.00	299.98	295.90	295.88	3.34	3.34	-139.54	160.52	150.58	221.44	213.79	7.65	28.936	SF
400.00	399.84	392.53	392.38	3.40	3.41	-139.17	159.00	155.20	227.53	219.76	7.77	29.281	
500.00	499.45	488.67	488.18	3.49	3.49	-138.60	156.48	162.86	237.67	229.74	7.94	29.942	
600.00	598.70	584.79	583.64	3.60	3.60	-137.86	152.98	173.51	251.83	243.68	8.16	30.868	
700.00	697.47	683.29	681.33	3.75	3.74	-137.42	149.06	185.43	269.04	260.60	8.44	31.879	
800.00	795.62	781.30	778.55	3.95	3.90	-137.45	145.16	197.30	288.77	280.00	8.77	32.911	
900.00	893.06	878.72	875.18	4.19	4.08	-137.85	141.29	209.09	311.05	301.89	9.16	33.952	
1,000.00	989.79	975.55	971.21	4.48	4.28	-138.66	137.43	220.81	335.49	325.89	9.60	34.965	
1,100.00	1,086.45	1,072.30	1,067.18	4.80	4.50	-139.51	133.58	232.52	360.24	350.18	10.06	35.822	
1,200.00	1,183.11	1,169.06	1,163.15	5.15	4.73	-140.26	129.73	244.23	385.05	374.50	10.55	36.502	
1,300.00	1,279.77	1,265.82	1,259.12	5.52	4.97	-140.91	125.88	255.94	409.92	398.85	11.07	37.037	
1,400.00	1,376.43	1,362.58	1,355.09	5.90	5.22	-141.49	122.03	267.65	434.83	423.22	11.61	37.456	
1,500.00	1,473.09	1,459.34	1,451.06	6.30	5.47	-142.01	118.18	279.36	459.78	447.61	12.17	37.781	
1,600.00	1,569.75	1,556.10	1,547.03	6.72	5.74	-142.47	114.33	291.07	484.76	472.02	12.75	38.031	
1,700.00	1,666.41	1,652.86	1,643.00	7.14	6.01	-142.89	110.48	302.79	509.77	496.44	13.34	38.222	
1,800.00	1,763.07	1,749.61	1,738.97	7.57	6.29	-143.27	106.63	314.50	534.80	520.86	13.94	38.366	
1,900.00	1,859.73	1,846.37	1,834.94	7.81	6.51	-143.61	102.78	326.21	559.86	545.89	13.97	40.087	
2,000.00	1,956.39	1,943.13	1,930.91	7.87	6.60	-143.93	98.93	337.92	584.92	570.83	14.09	41.502	
2,100.00	2,053.05	2,039.89	2,026.88	7.96	6.64	-144.22	95.08	349.63	610.01	595.83	14.18	43.022	
2,200.00	2,149.71	2,136.65	2,122.85	8.07	6.68	-144.49	91.23	361.34	635.11	620.81	14.30	44.423	
2,300.00	2,246.37	2,233.41	2,218.82	8.19	6.75	-144.73	87.38	373.05	660.22	645.77	14.45	45.702	
2,400.00	2,343.03	2,330.17	2,314.79	8.34	6.82	-144.96	83.53	384.77	685.34	670.71	14.63	46.857	
2,500.00	2,439.69	2,426.92	2,410.76	8.50	6.91	-145.17	79.68	396.48	710.47	695.63	14.84	47.891	
2,600.00	2,536.35	2,523.68	2,506.73	8.68	7.01	-145.37	75.83	408.19	735.60	720.53	15.07	48.805	
2,700.00	2,633.01	2,620.44	2,602.70	8.88	7.12	-145.56	71.98	419.90	760.75	745.41	15.34	49.605	
2,800.00	2,729.67	2,717.20	2,698.67	9.09	7.24	-145.73	68.13	431.61	785.90	770.28	15.62	50.298	
2,900.00	2,826.33	2,813.96	2,794.64	9.32	7.37	-145.89	64.28	443.32	811.06	795.12	15.94	50.890	
3,000.00	2,922.99	2,910.72	2,890.61	9.56	7.52	-146.04	60.42	455.03	836.23	819.96	16.27	51.389	
3,100.00	3,019.65	3,007.48	2,986.58	9.81	7.67	-146.19	56.57	466.75	861.40	844.77	16.63	51.804	
3,200.00	3,116.31	3,104.23	3,082.55	10.07	7.83	-146.32	52.72	478.46	886.57	869.57	17.00	52.141	
3,300.00	3,212.97	3,200.99	3,178.52	10.34	8.00	-146.45	48.87	490.17	911.75	894.36	17.40	52.409	
3,400.00	3,309.63	3,302.25	3,274.49	10.63	8.18	-146.57	45.02	501.88	936.94	919.12	17.82	52.591	
3,500.00	3,406.29	3,405.49	3,370.46	10.92	8.38	-146.69	41.17	513.59	962.12	943.87	18.25	52.705	
3,600.00	3,502.95	3,508.73	3,466.43	11.21	8.59	-146.80	37.32	525.30	987.31	968.60	18.71	52.770	
3,700.00	3,599.61	3,588.03	3,562.40	11.52	8.75	-146.90	33.47	537.01	1,012.51	993.38	19.13	52.931	
3,800.00	3,696.27	3,684.79	3,658.37	11.83	8.96	-147.00	29.62	548.72	1,037.70	1,018.11	19.60	52.955	
3,900.00	3,792.93	3,781.54	3,754.34	12.15	9.17	-147.09	25.77	560.44	1,062.90	1,042.83	20.07	52.948	
4,000.00	3,889.59	3,878.30	3,850.31	12.48	9.38	-147.18	21.92	572.15	1,088.10	1,067.54	20.56	52.913	
4,100.00	3,986.25	3,975.06	3,946.28	12.81	9.60	-147.27	18.07	583.86	1,113.31	1,092.25	21.06	52.854	
4,200.00	4,082.91	4,071.82	4,042.25	13.14	9.83	-147.35	14.22	595.57	1,138.52	1,116.94	21.57	52.776	
4,300.00	4,179.57	4,168.58	4,138.22	13.48	10.05	-147.43	10.37	607.28	1,163.72	1,141.63	22.09	52.680	
4,400.00	4,276.23	4,265.34	4,234.19	13.83	10.29	-147.50	6.52	618.99	1,188.93	1,166.32	22.62	52.570	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	46.59	140.99	149.06	205.17				
100.00	100.00	101.00	99.00	3.28	3.28	46.59	140.99	149.06	205.17	197.64	7.53	27.251	
200.00	200.00	199.00	199.00	3.31	3.30	46.59	140.99	149.06	205.17	197.60	7.57	27.091	CC, ES
300.00	299.98	295.89	295.87	3.34	3.34	-135.76	140.44	150.56	207.17	199.51	7.65	27.071	SF
400.00	399.84	392.51	392.36	3.40	3.41	-135.45	138.78	155.13	213.18	205.41	7.77	27.436	
500.00	499.45	488.66	488.18	3.49	3.49	-134.97	136.02	162.71	223.19	215.25	7.94	28.122	
600.00	598.70	584.13	582.98	3.60	3.59	-134.35	132.20	173.22	237.18	229.02	8.16	29.079	
700.00	697.47	682.39	680.33	3.75	3.74	-133.92	127.64	185.75	254.44	246.00	8.44	30.151	
800.00	795.62	780.42	777.46	3.95	3.90	-134.01	123.09	198.25	274.09	265.31	8.78	31.222	
900.00	893.06	877.87	874.01	4.19	4.09	-134.50	118.56	210.68	296.15	286.97	9.17	32.286	
1,000.00	989.79	974.75	969.99	4.48	4.30	-135.43	114.07	223.03	320.27	310.66	9.62	33.309	
1,100.00	1,086.45	1,071.57	1,065.91	4.80	4.52	-136.40	109.57	235.38	344.71	334.62	10.09	34.173	
1,200.00	1,183.11	1,168.38	1,161.83	5.15	4.75	-137.24	105.08	247.73	369.23	358.64	10.59	34.861	
1,300.00	1,279.77	1,265.20	1,257.75	5.52	5.00	-137.97	100.59	260.07	393.82	382.69	11.12	35.406	
1,400.00	1,376.43	1,362.01	1,353.67	5.90	5.26	-138.62	96.09	272.42	418.46	406.78	11.68	35.837	
1,500.00	1,473.09	1,458.83	1,449.58	6.30	5.52	-139.20	91.60	284.77	443.14	430.89	12.25	36.175	
1,600.00	1,569.75	1,555.64	1,545.50	6.72	5.80	-139.71	87.10	297.11	467.86	455.02	12.84	36.438	
1,700.00	1,666.41	1,652.46	1,641.42	7.14	6.08	-140.18	82.61	309.46	492.62	479.17	13.44	36.643	
1,800.00	1,763.07	1,749.27	1,737.34	7.57	6.36	-140.60	78.12	321.81	517.40	503.34	14.06	36.800	
1,900.00	1,859.73	1,846.08	1,833.26	7.81	6.59	-140.98	73.62	334.15	542.20	528.11	14.10	38.467	
2,000.00	1,956.39	1,942.90	1,929.18	7.87	6.69	-141.33	69.13	346.50	567.03	552.80	14.23	39.853	
2,100.00	2,053.05	2,039.71	2,025.10	7.96	6.72	-141.64	64.63	358.85	591.87	577.56	14.32	41.341	
2,200.00	2,149.71	2,136.53	2,121.02	8.07	6.77	-141.94	60.14	371.19	616.73	602.29	14.44	42.715	
2,300.00	2,246.37	2,233.34	2,216.93	8.19	6.84	-142.21	55.65	383.54	641.61	627.01	14.59	43.971	
2,400.00	2,343.03	2,330.16	2,312.85	8.34	6.91	-142.46	51.15	395.89	666.49	651.72	14.78	45.107	
2,500.00	2,439.69	2,426.97	2,408.77	8.50	7.00	-142.69	46.66	408.23	691.39	676.40	14.99	46.124	
2,600.00	2,536.35	2,523.79	2,504.69	8.68	7.11	-142.91	42.17	420.58	716.29	701.06	15.23	47.026	
2,700.00	2,633.01	2,620.60	2,600.61	8.88	7.22	-143.11	37.67	432.93	741.21	725.71	15.50	47.818	
2,800.00	2,729.67	2,717.41	2,696.53	9.09	7.35	-143.30	33.18	445.28	766.13	750.34	15.79	48.505	
2,900.00	2,826.33	2,814.23	2,792.45	9.32	7.48	-143.47	28.68	457.62	791.07	774.95	16.11	49.094	
3,000.00	2,922.99	2,911.04	2,888.37	9.56	7.63	-143.64	24.19	469.97	816.00	799.55	16.45	49.594	
3,100.00	3,019.65	3,007.86	2,984.28	9.81	7.79	-143.79	19.70	482.32	840.95	824.13	16.82	50.011	
3,200.00	3,116.31	3,104.67	3,080.20	10.07	7.95	-143.94	15.20	494.66	865.90	848.70	17.20	50.353	
3,300.00	3,212.97	3,201.49	3,176.12	10.34	8.13	-144.08	10.71	507.01	890.85	873.25	17.60	50.627	
3,400.00	3,309.63	3,301.70	3,272.04	10.63	8.31	-144.21	6.22	519.36	915.81	897.79	18.02	50.824	
3,500.00	3,406.29	3,404.88	3,367.96	10.92	8.52	-144.34	1.72	531.70	940.77	922.31	18.46	50.949	
3,600.00	3,502.95	3,508.07	3,463.88	11.21	8.73	-144.45	-2.77	544.05	965.74	946.81	18.93	51.027	
3,700.00	3,599.61	3,588.75	3,559.80	11.52	8.90	-144.56	-7.27	556.40	990.71	971.36	19.35	51.190	
3,800.00	3,696.27	3,685.56	3,655.72	11.83	9.11	-144.67	-11.76	568.74	1,015.68	995.86	19.83	51.227	
3,900.00	3,792.93	3,782.37	3,751.63	12.15	9.32	-144.77	-16.25	581.09	1,040.66	1,020.35	20.31	51.232	
4,000.00	3,889.59	3,879.19	3,847.55	12.48	9.54	-144.87	-20.75	593.44	1,065.64	1,044.83	20.81	51.211	
4,100.00	3,986.25	3,976.00	3,943.47	12.81	9.76	-144.96	-25.24	605.78	1,090.62	1,069.31	21.32	51.166	
4,200.00	4,082.91	4,072.82	4,039.39	13.14	9.99	-145.05	-29.74	618.13	1,115.61	1,093.78	21.83	51.102	
4,300.00	4,179.57	4,169.63	4,135.31	13.48	10.23	-145.13	-34.23	630.48	1,140.60	1,118.24	22.36	51.021	
4,400.00	4,276.23	4,266.45	4,231.23	13.83	10.47	-145.21	-38.72	642.83	1,165.59	1,142.70	22.89	50.925	
4,500.00	4,372.89	4,363.26	4,327.15	14.18	10.71	-145.29	-43.22	655.17	1,190.58	1,167.15	23.43	50.818	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance 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	234.35				
100.00	100.00	101.00	99.00	3.28	3.28	39.41	181.06	148.78	234.35	226.82	7.53	31.126	
200.00	200.00	199.00	199.00	3.31	3.30	39.41	181.06	148.78	234.35	226.77	7.57	30.943	CC, ES
300.00	299.98	294.31	294.29	3.34	3.34	-142.95	181.00	150.33	236.72	229.07	7.65	30.932	SF
400.00	399.84	389.25	389.11	3.40	3.41	-142.69	180.79	155.02	243.87	236.10	7.77	31.385	
500.00	499.45	483.55	483.09	3.49	3.49	-142.27	180.45	162.79	255.78	247.84	7.94	32.232	
600.00	598.70	577.82	576.73	3.60	3.59	-141.73	179.98	173.58	272.36	264.21	8.15	33.416	
700.00	697.47	675.80	673.94	3.75	3.73	-141.44	179.44	185.89	292.32	283.90	8.43	34.694	
800.00	795.62	773.18	770.54	3.95	3.89	-141.52	178.91	198.11	314.95	306.20	8.75	35.989	
900.00	893.06	869.84	866.44	4.19	4.06	-141.88	178.38	210.25	340.27	331.14	9.13	37.285	
1,000.00	989.79	965.82	961.65	4.48	4.26	-142.62	177.85	222.30	367.86	358.31	9.54	38.541	
1,100.00	1,086.45	1,061.72	1,056.79	4.80	4.47	-143.40	177.33	234.34	395.76	385.77	9.99	39.629	
1,200.00	1,183.11	1,157.61	1,151.93	5.15	4.69	-144.09	176.80	246.38	423.72	413.26	10.46	40.513	
1,300.00	1,279.77	1,253.51	1,247.06	5.52	4.92	-144.69	176.28	258.42	451.73	440.77	10.96	41.227	
1,400.00	1,376.43	1,349.40	1,342.20	5.90	5.17	-145.22	175.75	270.46	479.78	468.30	11.48	41.803	
1,500.00	1,473.09	1,445.30	1,437.33	6.30	5.42	-145.69	175.23	282.50	507.86	495.85	12.02	42.265	
1,600.00	1,569.75	1,541.20	1,532.47	6.72	5.67	-146.11	174.70	294.54	535.98	523.40	12.57	42.635	
1,700.00	1,666.41	1,637.09	1,627.61	7.14	5.94	-146.49	174.17	306.59	564.11	550.97	13.14	42.930	
1,800.00	1,763.07	1,732.99	1,722.74	7.57	6.21	-146.83	173.65	318.63	592.27	578.55	13.72	43.164	
1,900.00	1,859.73	1,828.89	1,817.88	7.81	6.44	-147.14	173.12	330.67	620.44	606.68	13.76	45.095	
2,000.00	1,956.39	1,924.78	1,913.01	7.87	6.56	-147.43	172.60	342.71	648.63	634.73	13.90	46.655	
2,100.00	2,053.05	2,020.68	2,008.15	7.96	6.59	-147.69	172.07	354.75	676.84	662.86	13.98	48.410	
2,200.00	2,149.71	2,116.58	2,103.29	8.07	6.64	-147.93	171.55	366.79	705.05	690.96	14.09	50.033	
2,300.00	2,246.37	2,212.47	2,198.42	8.19	6.69	-148.15	171.02	378.83	733.28	719.05	14.23	51.519	
2,400.00	2,343.03	2,308.37	2,293.56	8.34	6.76	-148.36	170.49	390.87	761.52	747.11	14.40	52.866	
2,500.00	2,439.69	2,404.26	2,388.69	8.50	6.84	-148.55	169.97	402.91	789.76	775.15	14.60	54.076	
2,600.00	2,536.35	2,500.16	2,483.83	8.68	6.94	-148.73	169.44	414.95	818.01	803.18	14.83	55.150	
2,700.00	2,633.01	2,603.94	2,578.97	8.88	7.05	-148.89	168.92	426.99	846.27	831.17	15.10	56.060	
2,800.00	2,729.67	2,708.05	2,674.10	9.09	7.18	-149.05	168.39	439.03	874.53	859.15	15.39	56.839	
2,900.00	2,826.33	2,787.85	2,769.24	9.32	7.29	-149.19	167.87	451.07	902.80	887.14	15.67	57.619	
3,000.00	2,922.99	2,883.75	2,864.37	9.56	7.42	-149.33	167.34	463.12	931.08	915.09	15.99	58.217	
3,100.00	3,019.65	2,979.64	2,959.51	9.81	7.57	-149.46	166.82	475.16	959.36	943.02	16.34	58.718	
3,200.00	3,116.31	3,075.54	3,054.65	10.07	7.72	-149.58	166.29	487.20	987.64	970.94	16.70	59.130	
3,300.00	3,212.97	3,171.44	3,149.78	10.34	7.89	-149.70	165.76	499.24	1,015.93	998.85	17.09	59.461	
3,400.00	3,309.63	3,267.33	3,244.92	10.63	8.06	-149.80	165.24	511.28	1,044.22	1,026.74	17.48	59.721	
3,500.00	3,406.29	3,363.23	3,340.05	10.92	8.24	-149.91	164.71	523.32	1,072.52	1,054.62	17.90	59.917	
3,600.00	3,502.95	3,459.12	3,435.19	11.21	8.42	-150.00	164.19	535.36	1,100.81	1,082.48	18.33	60.057	
3,700.00	3,599.61	3,555.02	3,530.33	11.52	8.61	-150.10	163.66	547.40	1,129.11	1,110.34	18.77	60.146	
3,800.00	3,696.27	3,650.92	3,625.46	11.83	8.81	-150.18	163.14	559.44	1,157.42	1,138.19	19.23	60.193	
3,900.00	3,792.93	3,746.81	3,720.60	12.15	9.01	-150.27	162.61	571.48	1,185.72	1,166.03	19.70	60.201	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	36.50	201.09	148.78	250.14				
100.00	100.00	101.00	99.00	3.28	3.28	36.50	201.09	148.78	250.14	242.62	7.53	33.224	
200.00	200.00	199.00	199.00	3.31	3.30	36.50	201.09	148.78	250.14	242.57	7.57	33.029	CC, ES, SF
300.00	299.98	292.98	292.97	3.34	3.34	-145.90	201.37	150.26	252.77	245.11	7.65	33.030	
400.00	399.84	386.52	386.39	3.40	3.40	-145.73	202.21	154.74	260.67	252.90	7.77	33.548	
500.00	499.45	479.30	478.85	3.49	3.49	-145.46	203.59	162.15	273.82	265.88	7.93	34.517	
600.00	598.70	571.61	570.57	3.60	3.59	-145.11	205.52	172.42	292.13	283.98	8.14	35.876	
700.00	697.47	669.14	667.32	3.75	3.72	-144.94	207.78	184.50	314.18	305.77	8.41	37.344	
800.00	795.62	765.97	763.38	3.95	3.88	-145.07	210.02	196.50	339.03	330.29	8.73	38.827	
900.00	893.06	861.99	858.63	4.19	4.05	-145.42	212.25	208.39	366.66	357.56	9.10	40.308	
1,000.00	989.79	957.23	953.12	4.48	4.24	-146.10	214.46	220.19	396.66	387.15	9.50	41.741	
1,100.00	1,086.45	1,052.39	1,047.52	4.80	4.45	-146.84	216.66	231.98	426.97	417.04	9.93	43.002	
1,200.00	1,183.11	1,147.55	1,141.92	5.15	4.67	-147.49	218.87	243.76	457.34	446.95	10.39	44.037	
1,300.00	1,279.77	1,242.71	1,236.32	5.52	4.89	-148.05	221.07	255.55	487.75	476.88	10.87	44.887	
1,400.00	1,376.43	1,337.87	1,330.73	5.90	5.13	-148.55	223.28	267.34	518.20	506.83	11.37	45.579	
1,500.00	1,473.09	1,433.03	1,425.13	6.30	5.38	-148.99	225.49	279.13	548.69	536.80	11.89	46.146	
1,600.00	1,569.75	1,528.19	1,519.53	6.72	5.63	-149.38	227.69	290.92	579.20	566.77	12.43	46.605	
1,700.00	1,666.41	1,623.35	1,613.93	7.14	5.89	-149.74	229.90	302.70	609.73	596.75	12.98	46.979	
1,800.00	1,763.07	1,718.51	1,708.33	7.57	6.16	-150.06	232.10	314.49	640.28	626.74	13.54	47.281	
1,900.00	1,859.73	1,813.67	1,802.73	7.81	6.41	-150.35	234.31	326.28	670.85	657.26	13.59	49.370	
2,000.00	1,956.39	1,908.83	1,897.13	7.87	6.55	-150.62	236.52	338.07	701.43	687.69	13.75	51.028	
2,100.00	2,053.05	2,003.99	1,991.53	7.96	6.57	-150.86	238.72	349.86	732.03	718.21	13.82	52.974	
2,200.00	2,149.71	2,100.85	2,085.94	8.07	6.61	-151.09	240.93	361.64	762.63	748.71	13.92	54.774	
2,300.00	2,246.37	2,205.69	2,180.34	8.19	6.68	-151.29	243.14	373.43	793.25	779.19	14.06	56.402	
2,400.00	2,343.03	2,289.47	2,274.74	8.34	6.73	-151.49	245.34	385.22	823.88	809.65	14.22	57.930	
2,500.00	2,439.69	2,384.63	2,369.14	8.50	6.81	-151.67	247.55	397.01	854.51	840.09	14.41	59.280	
2,600.00	2,536.35	2,479.79	2,463.54	8.68	6.90	-151.83	249.75	408.80	885.15	870.51	14.63	60.483	
2,700.00	2,633.01	2,574.95	2,557.94	8.88	7.01	-151.99	251.96	420.58	915.80	900.92	14.88	61.543	
2,800.00	2,729.67	2,670.11	2,652.34	9.09	7.12	-152.13	254.17	432.37	946.45	931.30	15.15	62.467	
2,900.00	2,826.33	2,765.27	2,746.74	9.32	7.24	-152.27	256.37	444.16	977.11	961.66	15.44	63.265	
3,000.00	2,922.99	2,860.43	2,841.15	9.56	7.37	-152.39	258.58	455.95	1,007.77	992.01	15.76	63.944	
3,100.00	3,019.65	2,955.59	2,935.55	9.81	7.51	-152.51	260.78	467.74	1,038.43	1,022.34	16.10	64.514	
3,200.00	3,116.31	3,050.75	3,029.95	10.07	7.66	-152.63	262.99	479.52	1,069.10	1,052.65	16.45	64.985	
3,300.00	3,212.97	3,145.91	3,124.35	10.34	7.82	-152.74	265.20	491.31	1,099.78	1,082.95	16.82	65.367	
3,400.00	3,309.63	3,241.07	3,218.75	10.63	7.99	-152.84	267.40	503.10	1,130.45	1,113.24	17.21	65.668	
3,500.00	3,406.29	3,336.23	3,313.15	10.92	8.16	-152.93	269.61	514.89	1,161.13	1,143.51	17.62	65.898	
3,600.00	3,502.95	3,431.39	3,407.55	11.21	8.34	-153.02	271.82	526.68	1,191.82	1,173.78	18.04	66.064	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	67.75	61.20	149.61	161.65				
100.00	100.00	101.00	99.00	3.28	3.28	67.75	61.20	149.61	161.65	154.12	7.53	21.470	
200.00	200.00	199.00	199.00	3.31	3.30	67.75	61.20	149.61	161.65	154.07	7.57	21.344	CC, ES
300.00	299.98	297.67	297.65	3.34	3.34	-114.66	59.86	150.59	162.78	155.13	7.65	21.274	
400.00	399.84	396.25	396.10	3.40	3.40	-114.52	55.77	153.57	166.20	158.43	7.77	21.400	
500.00	499.45	494.68	494.16	3.49	3.49	-114.29	48.97	158.54	171.88	163.95	7.93	21.668	
600.00	598.70	592.89	591.66	3.60	3.60	-113.99	39.47	165.46	179.84	171.68	8.16	22.041	
700.00	697.47	690.80	688.40	3.75	3.75	-113.63	27.32	174.32	190.05	181.59	8.46	22.477	
800.00	795.62	788.35	784.22	3.95	3.93	-113.22	12.56	185.09	202.49	193.66	8.83	22.935	
900.00	893.06	887.29	881.07	4.19	4.17	-113.20	-3.79	197.01	216.74	207.45	9.29	23.331	
1,000.00	989.79	986.03	977.73	4.48	4.43	-113.96	-20.10	208.90	232.16	222.34	9.82	23.639	
1,100.00	1,086.45	1,084.75	1,074.36	4.80	4.71	-114.79	-36.42	220.80	247.75	237.35	10.40	23.814	
1,200.00	1,183.11	1,183.46	1,170.99	5.15	5.02	-115.53	-52.73	232.69	263.39	252.36	11.03	23.882	
1,300.00	1,279.77	1,282.18	1,267.62	5.52	5.34	-116.19	-69.04	244.59	279.06	267.37	11.69	23.873	
1,400.00	1,376.43	1,380.90	1,364.25	5.90	5.68	-116.77	-85.35	256.48	294.77	282.39	12.38	23.813	
1,500.00	1,473.09	1,479.61	1,460.88	6.30	6.03	-117.30	-101.66	268.38	310.50	297.41	13.09	23.718	
1,600.00	1,569.75	1,578.33	1,557.51	6.72	6.39	-117.78	-117.97	280.27	326.26	312.44	13.82	23.601	
1,700.00	1,666.41	1,677.04	1,654.14	7.14	6.76	-118.21	-134.28	292.16	342.04	327.47	14.57	23.470	
1,800.00	1,763.07	1,775.76	1,750.77	7.57	7.13	-118.60	-150.59	304.06	357.83	342.50	15.34	23.333	
1,900.00	1,859.73	1,874.48	1,847.40	7.81	7.38	-118.96	-166.90	315.95	373.64	358.22	15.42	24.225	
2,000.00	1,956.39	1,973.19	1,944.03	7.87	7.47	-119.29	-183.21	327.85	389.47	373.90	15.56	25.024	
2,100.00	2,053.05	2,071.91	2,040.66	7.96	7.53	-119.60	-199.52	339.74	405.30	389.61	15.70	25.821	
2,200.00	2,149.71	2,170.63	2,137.29	8.07	7.61	-119.88	-215.83	351.64	421.15	405.28	15.87	26.543	
2,300.00	2,246.37	2,269.34	2,233.92	8.19	7.71	-120.14	-232.15	363.53	437.00	420.93	16.07	27.190	
2,400.00	2,343.03	2,368.06	2,330.55	8.34	7.82	-120.39	-248.46	375.42	452.87	436.55	16.31	27.760	
2,500.00	2,439.69	2,466.77	2,427.18	8.50	7.95	-120.62	-264.77	387.32	468.74	452.15	16.59	28.259	
2,600.00	2,536.35	2,565.49	2,523.81	8.68	8.09	-120.83	-281.08	399.21	484.61	467.72	16.89	28.688	
2,700.00	2,633.01	2,664.21	2,620.44	8.88	8.25	-121.03	-297.39	411.11	500.50	483.27	17.23	29.052	
2,800.00	2,729.67	2,762.92	2,717.07	9.09	8.42	-121.21	-313.70	423.00	516.39	498.80	17.59	29.356	
2,900.00	2,826.33	2,861.64	2,813.70	9.32	8.60	-121.39	-330.01	434.89	532.28	514.30	17.98	29.604	
3,000.00	2,922.99	2,960.35	2,910.33	9.56	8.80	-121.55	-346.32	446.79	548.18	529.78	18.39	29.803	
3,100.00	3,019.65	3,059.07	3,006.96	9.81	9.00	-121.71	-362.63	458.68	564.08	545.25	18.83	29.958	
3,200.00	3,116.31	3,157.79	3,103.59	10.07	9.22	-121.86	-378.94	470.58	579.99	560.70	19.29	30.072	
3,300.00	3,212.97	3,256.50	3,200.22	10.34	9.45	-122.00	-395.25	482.47	595.90	576.13	19.76	30.152	
3,400.00	3,309.63	3,355.22	3,296.85	10.63	9.68	-122.13	-411.57	494.37	611.81	591.55	20.26	30.201	
3,500.00	3,406.29	3,453.94	3,393.48	10.92	9.93	-122.25	-427.88	506.26	627.73	606.96	20.77	30.223	
3,600.00	3,502.95	3,552.65	3,490.11	11.21	10.18	-122.37	-444.19	518.15	643.65	622.35	21.30	30.222	
3,700.00	3,599.61	3,651.37	3,586.74	11.52	10.44	-122.49	-460.50	530.05	659.57	637.73	21.84	30.202	
3,800.00	3,696.27	3,750.08	3,683.37	11.83	10.70	-122.60	-476.81	541.94	675.49	653.10	22.39	30.165	
3,900.00	3,792.93	3,848.80	3,780.00	12.15	10.97	-122.70	-493.12	553.84	691.42	668.46	22.96	30.113	
4,000.00	3,889.59	3,947.52	3,876.63	12.48	11.25	-122.80	-509.43	565.73	707.35	683.81	23.54	30.049	
4,100.00	3,986.25	4,046.23	3,973.26	12.81	11.53	-122.89	-525.74	577.63	723.28	699.15	24.13	29.976	
4,200.00	4,082.91	4,144.95	4,069.89	13.14	11.82	-122.98	-542.05	589.52	739.21	714.48	24.73	29.894	
4,300.00	4,179.57	4,243.66	4,166.52	13.48	12.11	-123.07	-558.36	601.41	755.14	729.81	25.34	29.806	
4,400.00	4,276.23	4,342.38	4,263.15	13.83	12.41	-123.15	-574.67	613.31	771.08	745.13	25.95	29.712	
4,500.00	4,372.89	4,441.10	4,359.78	14.18	12.71	-123.23	-590.98	625.20	787.01	760.44	26.58	29.613	
4,600.00	4,469.55	4,539.81	4,456.41	14.53	13.01	-123.31	-607.30	637.10	802.95	775.75	27.21	29.512	
4,700.00	4,566.21	4,638.53	4,553.04	14.88	13.32	-123.38	-623.61	648.99	818.89	791.05	27.85	29.408	
4,800.00	4,662.87	4,737.24	4,649.67	15.24	13.63	-123.45	-639.92	660.89	834.83	806.34	28.49	29.302	
4,900.00	4,759.53	4,835.96	4,746.30	15.60	13.94	-123.52	-656.23	672.78	850.78	821.63	29.14	29.195	
5,000.00	4,856.19	4,934.68	4,842.93	15.97	14.25	-123.59	-672.54	684.67	866.72	836.92	29.80	29.087	
5,100.00	4,952.86	5,033.39	4,939.56	16.33	14.57	-123.65	-688.85	696.57	882.66	852.21	30.46	28.979	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,049.52	5,132.11	5,036.19	16.70	14.89	-123.71	-705.16	708.46	898.61	867.49	31.12	28.872	
5,300.00	5,146.18	5,230.83	5,132.82	17.07	15.22	-123.77	-721.47	720.36	914.56	882.76	31.79	28.765	
5,400.00	5,242.84	5,329.54	5,229.45	17.45	15.54	-123.82	-737.78	732.25	930.50	898.03	32.47	28.658	
5,500.00	5,339.50	5,428.26	5,326.08	17.82	15.87	-123.88	-754.09	744.15	946.45	913.30	33.15	28.553	
5,600.00	5,436.16	5,526.97	5,422.71	18.20	16.20	-123.93	-770.40	756.04	962.40	928.57	33.83	28.448	
5,700.00	5,532.82	5,625.69	5,519.34	18.58	16.53	-123.98	-786.71	767.93	978.35	943.83	34.52	28.345	
5,800.00	5,629.48	5,724.41	5,615.97	18.96	16.86	-124.03	-803.03	779.83	994.30	959.10	35.20	28.244	
5,900.00	5,726.14	5,823.12	5,712.60	19.34	17.20	-124.08	-819.34	791.72	1,010.25	974.35	35.90	28.143	
6,000.00	5,822.80	5,921.84	5,809.23	19.73	17.53	-124.13	-835.65	803.62	1,026.20	989.61	36.59	28.045	
6,100.00	5,919.46	6,020.55	5,905.86	20.11	17.87	-124.17	-851.96	815.51	1,042.16	1,004.87	37.29	27.948	
6,200.00	6,016.12	6,119.27	6,002.49	20.50	18.21	-124.22	-868.27	827.40	1,058.11	1,020.12	37.99	27.853	
6,300.00	6,112.78	6,217.99	6,099.12	20.89	18.55	-124.26	-884.58	839.30	1,074.06	1,035.37	38.69	27.759	
6,400.00	6,209.44	6,316.70	6,195.75	21.27	18.89	-124.30	-900.89	851.19	1,090.02	1,050.62	39.40	27.667	
6,500.00	6,306.10	6,415.42	6,292.38	21.66	19.23	-124.34	-917.20	863.09	1,105.97	1,065.87	40.10	27.577	
6,600.00	6,402.76	8,207.13	7,360.91	22.06	22.15	178.41	-1,096.35	-65.78	1,058.57	1,023.34	35.23	30.045	
6,700.00	6,499.42	8,208.17	7,360.91	22.45	22.15	178.32	-1,096.35	-66.82	983.91	947.61	36.30	27.105	
6,800.00	6,596.08	8,209.21	7,360.91	22.84	22.16	178.23	-1,096.35	-67.86	914.11	876.63	37.48	24.391	
6,900.00	6,692.52	8,204.08	7,360.91	23.18	22.12	-159.70	-1,096.35	-62.73	850.49	811.80	38.69	21.984	
7,000.00	6,787.02	8,183.51	7,360.92	23.49	21.94	-143.01	-1,096.38	-42.16	795.39	755.58	39.80	19.984	
7,100.00	6,877.26	8,147.89	7,360.93	23.80	21.63	-133.20	-1,096.42	-6.54	750.92	710.19	40.73	18.435	
7,200.00	6,961.00	8,101.89	7,360.94	24.09	21.25	-126.20	-1,096.48	43.24	718.09	676.68	41.41	17.341	
7,300.00	7,036.18	8,035.40	7,360.95	24.36	20.77	-120.13	-1,096.55	105.95	696.51	654.77	41.74	16.687	
7,400.00	7,100.96	7,961.29	7,360.97	24.62	20.74	-114.50	-1,096.64	180.06	684.48	642.64	41.84	16.360	
7,500.00	7,153.74	7,877.62	7,360.99	24.87	20.84	-109.43	-1,096.74	263.73	679.42	637.62	41.80	16.254	
7,600.00	7,193.22	7,779.17	7,355.24	25.11	20.95	-104.63	-1,095.88	361.92	678.05	636.27	41.78	16.229	
7,625.64	7,201.08	7,754.62	7,351.51	25.18	20.97	-103.49	-1,095.28	386.17	677.99	636.19	41.79	16.222	
7,700.00	7,218.43	7,685.87	7,336.19	25.39	21.04	-100.38	-1,092.78	453.11	678.46	636.63	41.83	16.220	SF
7,800.00	7,228.75	7,598.35	7,306.56	25.71	21.11	-96.70	-1,087.87	535.24	680.44	638.53	41.91	16.237	
7,900.00	7,229.12	7,517.68	7,269.65	26.11	21.16	-93.49	-1,081.73	606.65	684.66	642.70	41.97	16.315	
8,000.00	7,229.28	7,447.70	7,230.64	26.63	21.18	-90.21	-1,075.22	664.34	693.97	652.07	41.90	16.563	
8,100.00	7,229.43	7,387.85	7,192.49	27.27	21.20	-87.06	-1,068.84	709.98	710.03	668.32	41.72	17.021	
8,200.00	7,229.58	7,336.93	7,156.83	28.02	21.20	-84.18	-1,062.86	745.81	733.89	692.43	41.47	17.699	
8,300.00	7,229.73	7,293.60	7,124.34	28.88	21.19	-81.63	-1,057.41	773.95	765.96	724.75	41.21	18.587	
8,400.00	7,229.89	7,250.00	7,089.82	29.82	21.18	-78.99	-1,051.62	799.93	806.15	765.19	40.96	19.682	
8,500.00	7,230.04	7,224.85	7,069.13	30.84	21.17	-77.46	-1,048.15	813.81	853.79	812.93	40.86	20.897	
8,600.00	7,230.19	7,200.00	7,048.18	31.93	21.16	-75.94	-1,044.63	826.69	908.27	867.46	40.81	22.255	
8,700.00	7,230.35	7,173.59	7,025.39	33.08	21.14	-74.32	-1,040.80	839.47	968.70	927.91	40.79	23.746	
8,800.00	7,230.50	7,150.00	7,004.60	34.27	21.12	-72.88	-1,037.31	850.06	1,034.29	993.46	40.83	25.330	
8,900.00	7,230.65	7,134.37	6,990.62	35.51	21.11	-71.93	-1,034.96	856.65	1,104.27	1,063.32	40.95	26.968	
9,000.00	7,230.80	7,118.10	6,975.91	36.79	21.09	-70.95	-1,032.48	863.13	1,177.99	1,136.92	41.07	28.683	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	74.61	41.17	149.61	155.18				
100.00	100.00	101.00	99.00	3.28	3.28	74.61	41.17	149.61	155.18	147.65	7.53	20.610	
200.00	200.00	199.00	199.00	3.31	3.30	74.61	41.17	149.61	155.18	147.60	7.57	20.489	CC, ES
300.00	299.98	297.35	297.33	3.34	3.34	-107.84	39.79	150.53	156.23	148.58	7.65	20.419	
400.00	399.84	395.61	395.46	3.40	3.40	-107.82	35.61	153.30	159.43	151.67	7.76	20.533	
500.00	499.45	493.75	493.23	3.49	3.49	-107.79	28.63	157.93	164.76	156.83	7.93	20.776	
600.00	598.70	591.69	590.47	3.60	3.59	-107.73	18.89	164.39	172.20	164.05	8.16	21.116	
700.00	697.47	689.38	687.00	3.75	3.74	-107.65	6.42	172.66	181.76	173.31	8.45	21.511	
800.00	795.62	786.75	782.66	3.95	3.93	-107.55	-8.73	182.71	193.41	184.58	8.82	21.918	
900.00	893.06	884.53	878.09	4.19	4.16	-107.49	-26.48	194.47	207.05	197.76	9.29	22.296	
1,000.00	989.79	983.40	974.44	4.48	4.44	-108.11	-44.95	206.73	221.79	211.95	9.83	22.551	
1,100.00	1,086.45	1,082.25	1,070.77	4.80	4.74	-108.83	-63.43	218.98	236.65	226.21	10.44	22.668	
1,200.00	1,183.11	1,181.09	1,167.10	5.15	5.07	-109.46	-81.91	231.23	251.55	240.46	11.09	22.680	
1,300.00	1,279.77	1,279.94	1,263.43	5.52	5.41	-110.03	-100.38	243.48	266.48	254.69	11.78	22.619	
1,400.00	1,376.43	1,378.79	1,359.76	5.90	5.77	-110.53	-118.86	255.74	281.42	268.92	12.50	22.512	
1,500.00	1,473.09	1,477.64	1,456.09	6.30	6.14	-110.98	-137.33	267.99	296.39	283.14	13.25	22.373	
1,600.00	1,569.75	1,576.49	1,552.42	6.72	6.53	-111.39	-155.81	280.24	311.37	297.36	14.02	22.217	
1,700.00	1,666.41	1,675.33	1,648.75	7.14	6.92	-111.77	-174.28	292.49	326.37	311.57	14.80	22.052	
1,800.00	1,763.07	1,774.18	1,745.08	7.57	7.32	-112.10	-192.76	304.74	341.38	325.78	15.60	21.884	
1,900.00	1,859.73	1,873.03	1,841.41	7.81	7.59	-112.41	-211.23	317.00	356.40	340.69	15.71	22.680	
2,000.00	1,956.39	1,971.88	1,937.74	7.87	7.69	-112.70	-229.71	329.25	371.43	355.56	15.87	23.405	
2,100.00	2,053.05	2,070.72	2,034.07	7.96	7.75	-112.96	-248.18	341.50	386.47	370.46	16.01	24.133	
2,200.00	2,149.71	2,169.57	2,130.40	8.07	7.84	-113.21	-266.66	353.75	401.52	385.32	16.20	24.789	
2,300.00	2,246.37	2,268.42	2,226.73	8.19	7.94	-113.43	-285.13	366.00	416.57	400.15	16.42	25.374	
2,400.00	2,343.03	2,367.27	2,323.06	8.34	8.07	-113.64	-303.61	378.25	431.63	414.95	16.67	25.887	
2,500.00	2,439.69	2,466.12	2,419.39	8.50	8.20	-113.84	-322.09	390.51	446.69	429.72	16.96	26.332	
2,600.00	2,536.35	2,564.96	2,515.72	8.68	8.36	-114.02	-340.56	402.76	461.76	444.47	17.29	26.712	
2,700.00	2,633.01	2,663.81	2,612.05	8.88	8.53	-114.19	-359.04	415.01	476.83	459.19	17.64	27.032	
2,800.00	2,729.67	2,762.66	2,708.38	9.09	8.71	-114.35	-377.51	427.26	491.90	473.88	18.02	27.296	
2,900.00	2,826.33	2,861.51	2,804.71	9.32	8.91	-114.51	-395.99	439.51	506.98	488.56	18.43	27.510	
3,000.00	2,922.99	2,960.35	2,901.04	9.56	9.11	-114.65	-414.46	451.77	522.07	503.20	18.86	27.677	
3,100.00	3,019.65	3,059.20	2,997.36	9.81	9.33	-114.78	-432.94	464.02	537.15	517.83	19.32	27.804	
3,200.00	3,116.31	3,158.05	3,093.69	10.07	9.56	-114.91	-451.41	476.27	552.24	532.44	19.80	27.894	
3,300.00	3,212.97	3,256.90	3,190.02	10.34	9.80	-115.03	-469.89	488.52	567.33	547.04	20.30	27.953	
3,400.00	3,309.63	3,355.75	3,286.35	10.63	10.05	-115.14	-488.36	500.77	582.43	561.62	20.81	27.985	
3,500.00	3,406.29	3,454.59	3,382.68	10.92	10.31	-115.25	-506.84	513.03	597.52	576.18	21.35	27.992	
3,600.00	3,502.95	3,553.44	3,479.01	11.21	10.58	-115.36	-525.31	525.28	612.62	590.73	21.90	27.979	
3,700.00	3,599.61	3,652.29	3,575.34	11.52	10.85	-115.45	-543.79	537.53	627.72	605.26	22.46	27.948	
3,800.00	3,696.27	3,751.14	3,671.67	11.83	11.13	-115.55	-562.27	549.78	642.82	619.78	23.04	27.903	
3,900.00	3,792.93	3,849.99	3,768.00	12.15	11.42	-115.64	-580.74	562.03	657.93	634.30	23.63	27.845	
4,000.00	3,889.59	3,948.83	3,864.33	12.48	11.71	-115.72	-599.22	574.29	673.03	648.80	24.23	27.777	
4,100.00	3,986.25	4,047.68	3,960.66	12.81	12.01	-115.80	-617.69	586.54	688.14	663.29	24.84	27.700	
4,200.00	4,082.91	4,146.53	4,056.99	13.14	12.31	-115.88	-636.17	598.79	703.24	677.78	25.46	27.616	
4,300.00	4,179.57	4,245.38	4,153.32	13.48	12.62	-115.96	-654.64	611.04	718.35	692.25	26.10	27.527	
4,400.00	4,276.23	4,344.22	4,249.65	13.83	12.93	-116.03	-673.12	623.29	733.46	706.72	26.74	27.433	
4,500.00	4,372.89	4,443.07	4,345.98	14.18	13.25	-116.10	-691.59	635.55	748.57	721.19	27.38	27.335	
4,600.00	4,469.55	4,541.92	4,442.31	14.53	13.57	-116.16	-710.07	647.80	763.68	735.64	28.04	27.235	
4,700.00	4,566.21	4,640.77	4,538.64	14.88	13.89	-116.23	-728.54	660.05	778.80	750.09	28.70	27.133	
4,800.00	4,662.87	4,739.62	4,634.97	15.24	14.22	-116.29	-747.02	672.30	793.91	764.54	29.37	27.030	
4,900.00	4,759.53	4,838.46	4,731.30	15.60	14.55	-116.35	-765.49	684.55	809.02	778.98	30.05	26.926	
5,000.00	4,856.19	4,937.31	4,827.63	15.97	14.88	-116.40	-783.97	696.81	824.14	793.41	30.73	26.822	
5,100.00	4,952.86	5,036.16	4,923.96	16.33	15.21	-116.46	-802.45	709.06	839.25	807.84	31.41	26.718	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,049.52	5,135.01	5,020.29	16.70	15.55	-116.51	-820.92	721.31	854.37	822.27	32.10	26.614	
5,300.00	5,146.18	5,233.86	5,116.62	17.07	15.89	-116.56	-839.40	733.56	869.49	836.69	32.80	26.512	
5,400.00	5,242.84	5,332.70	5,212.95	17.45	16.23	-116.61	-857.87	745.81	884.61	851.11	33.50	26.410	
5,500.00	5,339.50	5,431.55	5,309.28	17.82	16.58	-116.66	-876.35	758.07	899.72	865.53	34.20	26.309	
5,600.00	5,436.16	5,530.40	5,405.61	18.20	16.92	-116.70	-894.82	770.32	914.84	879.94	34.91	26.209	
5,700.00	5,532.82	5,629.25	5,501.94	18.58	17.27	-116.75	-913.30	782.57	929.96	894.35	35.62	26.111	
5,800.00	5,629.48	5,728.09	5,598.27	18.96	17.62	-116.79	-931.77	794.82	945.08	908.75	36.33	26.015	
5,900.00	5,726.14	5,826.94	5,694.60	19.34	17.97	-116.83	-950.25	807.07	960.20	923.16	37.05	25.920	
6,000.00	5,822.80	5,925.79	5,790.93	19.73	18.32	-116.87	-968.72	819.33	975.33	937.56	37.77	25.826	
6,100.00	5,919.46	6,024.64	5,887.26	20.11	18.68	-116.91	-987.20	831.58	990.45	951.96	38.49	25.734	
6,200.00	6,016.12	6,123.49	5,983.59	20.50	19.03	-116.95	-1,005.67	843.83	1,005.57	966.36	39.21	25.644	
6,300.00	6,112.78	6,222.33	6,079.92	20.89	19.39	-116.99	-1,024.15	856.08	1,020.69	980.75	39.94	25.556	
6,400.00	6,209.44	8,037.53	7,168.62	21.27	22.23	178.59	-1,246.00	-65.29	991.45	958.96	32.48	30.520	
6,500.00	6,306.10	8,039.12	7,168.62	21.66	22.24	178.40	-1,246.02	-66.88	905.53	872.12	33.41	27.102	
6,600.00	6,402.76	8,040.72	7,168.62	22.06	22.26	178.21	-1,246.04	-68.47	822.80	788.30	34.50	23.849	
6,700.00	6,499.42	8,042.31	7,168.62	22.45	22.27	178.02	-1,246.06	-70.06	744.33	708.55	35.78	20.803	
6,800.00	6,596.08	8,043.90	7,168.63	22.84	22.28	177.83	-1,246.08	-71.66	671.59	634.32	37.27	18.021	
6,900.00	6,692.52	8,039.32	7,168.62	23.18	22.24	-160.18	-1,246.02	-67.08	606.83	567.95	38.88	15.607	
7,000.00	6,787.02	8,019.29	7,168.58	23.49	22.07	-142.58	-1,245.77	-47.04	553.71	513.30	40.41	13.703	
7,100.00	6,877.26	7,984.19	7,168.52	23.80	21.76	-130.99	-1,245.32	-11.95	515.53	473.94	41.60	12.393	
7,200.00	6,961.00	7,934.90	7,168.43	24.09	21.37	-121.45	-1,244.70	37.34	493.70	451.50	42.20	11.699	
7,300.00	7,036.18	7,872.62	7,168.32	24.36	21.13	-112.33	-1,243.91	99.61	486.86	444.73	42.13	11.555	SF
7,304.05	7,039.02	7,869.85	7,168.32	24.37	21.13	-111.96	-1,243.88	102.39	486.85	444.73	42.12	11.559	
7,400.00	7,100.96	7,801.11	7,168.19	24.62	21.16	-103.52	-1,242.98	173.34	491.22	449.63	41.60	11.810	
7,500.00	7,153.74	7,715.52	7,168.04	24.87	21.23	-95.62	-1,241.92	256.69	501.81	460.91	40.90	12.269	
7,600.00	7,193.22	7,636.18	7,165.15	25.11	21.33	-89.51	-1,240.39	335.94	514.64	474.35	40.29	12.774	
7,700.00	7,218.43	7,561.89	7,153.96	25.39	21.41	-84.46	-1,237.32	409.27	528.88	489.14	39.74	13.309	
7,800.00	7,228.75	7,489.84	7,135.17	25.71	21.47	-80.32	-1,232.84	478.64	543.44	504.14	39.30	13.826	
7,900.00	7,229.12	7,421.06	7,110.17	26.11	21.52	-77.62	-1,227.22	542.43	559.77	520.82	38.96	14.369	
8,000.00	7,229.28	7,358.54	7,081.68	26.63	21.56	-74.91	-1,221.03	597.72	582.54	543.95	38.59	15.096	
8,100.00	7,229.43	7,300.00	7,050.31	27.27	21.58	-72.07	-1,214.36	646.66	612.50	574.26	38.24	16.016	
8,200.00	7,229.58	7,250.00	7,020.10	28.02	21.59	-69.47	-1,208.03	685.98	649.91	611.90	38.01	17.099	
8,300.00	7,229.73	7,208.86	6,993.03	28.88	21.59	-67.27	-1,202.43	716.44	694.57	656.63	37.94	18.307	
8,400.00	7,229.89	7,170.11	6,965.81	29.82	21.58	-65.16	-1,196.83	743.43	746.03	708.05	37.98	19.640	
8,500.00	7,230.04	7,135.93	6,940.50	30.84	21.58	-63.30	-1,191.66	765.81	803.60	765.46	38.15	21.067	
8,600.00	7,230.19	7,100.00	6,912.66	31.93	21.56	-61.36	-1,186.01	787.80	866.60	828.26	38.33	22.607	
8,700.00	7,230.35	7,078.92	6,895.77	33.08	21.55	-60.23	-1,182.59	799.94	934.17	895.47	38.70	24.140	
8,800.00	7,230.50	7,050.00	6,871.98	34.27	21.54	-58.70	-1,177.80	815.66	1,005.80	966.82	38.98	25.801	
8,900.00	7,230.65	7,033.81	6,858.36	35.51	21.53	-57.86	-1,175.06	823.98	1,080.78	1,041.41	39.37	27.449	
9,000.00	7,230.80	7,014.73	6,842.05	36.79	21.51	-56.88	-1,171.79	833.32	1,158.70	1,118.99	39.72	29.175	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	61.45	81.24	149.34	170.00				
100.00	100.00	101.00	99.00	3.28	3.28	61.45	81.24	149.34	170.00	162.48	7.53	22.580	
200.00	200.00	199.00	199.00	3.31	3.30	61.45	81.24	149.34	170.00	162.43	7.57	22.447	CC, ES
300.00	299.98	297.46	297.44	3.34	3.34	-120.93	80.05	150.48	171.35	163.69	7.65	22.392	SF
400.00	399.84	395.80	395.65	3.40	3.40	-120.72	76.41	153.96	175.39	167.62	7.77	22.580	
500.00	499.45	493.93	493.41	3.49	3.49	-120.38	70.37	159.76	182.12	174.19	7.93	22.954	
600.00	598.70	591.74	590.52	3.60	3.60	-119.92	61.94	167.84	191.54	183.38	8.16	23.473	
700.00	697.47	689.13	686.76	3.75	3.75	-119.39	51.18	178.17	203.63	195.18	8.45	24.088	
800.00	795.62	787.61	783.68	3.95	3.93	-119.05	38.60	190.23	218.09	209.27	8.82	24.719	
900.00	893.06	886.25	880.75	4.19	4.15	-119.41	25.93	202.38	234.27	225.00	9.26	25.290	
1,000.00	989.79	984.56	977.49	4.48	4.39	-120.43	13.30	214.49	251.92	242.15	9.77	25.794	
1,100.00	1,086.45	1,082.83	1,074.20	4.80	4.65	-121.49	0.68	226.59	269.82	259.50	10.31	26.163	
1,200.00	1,183.11	1,181.11	1,170.90	5.15	4.93	-122.41	-11.94	238.70	287.79	276.90	10.90	26.408	
1,300.00	1,279.77	1,279.38	1,267.60	5.52	5.23	-123.23	-24.56	250.80	305.84	294.32	11.51	26.561	
1,400.00	1,376.43	1,377.65	1,364.30	5.90	5.54	-123.95	-37.18	262.90	323.93	311.77	12.16	26.646	
1,500.00	1,473.09	1,475.92	1,461.01	6.30	5.85	-124.60	-49.80	275.01	342.07	329.25	12.82	26.679	
1,600.00	1,569.75	1,574.19	1,557.71	6.72	6.18	-125.19	-62.42	287.11	360.25	346.75	13.50	26.677	
1,700.00	1,666.41	1,672.46	1,654.41	7.14	6.51	-125.71	-75.05	299.21	378.46	364.26	14.20	26.649	
1,800.00	1,763.07	1,770.73	1,751.11	7.57	6.86	-126.19	-87.67	311.32	396.70	381.79	14.91	26.603	
1,900.00	1,859.73	1,869.00	1,847.82	7.81	7.09	-126.63	-100.29	323.42	414.96	399.99	14.97	27.712	
2,000.00	1,956.39	1,967.27	1,944.52	7.87	7.18	-127.03	-112.91	335.52	433.25	418.14	15.10	28.683	
2,100.00	2,053.05	2,065.54	2,041.22	7.96	7.23	-127.40	-125.53	347.63	451.55	436.33	15.22	29.669	
2,200.00	2,149.71	2,163.82	2,137.92	8.07	7.30	-127.73	-138.15	359.73	469.87	454.50	15.37	30.569	
2,300.00	2,246.37	2,262.09	2,234.63	8.19	7.38	-128.05	-150.77	371.83	488.21	472.65	15.56	31.382	
2,400.00	2,343.03	2,360.36	2,331.33	8.34	7.48	-128.34	-163.39	383.94	506.55	490.78	15.78	32.109	
2,500.00	2,439.69	2,458.63	2,428.03	8.50	7.59	-128.61	-176.01	396.04	524.91	508.89	16.03	32.752	
2,600.00	2,536.35	2,556.90	2,524.74	8.68	7.72	-128.86	-188.64	408.14	543.28	526.98	16.31	33.314	
2,700.00	2,633.01	2,655.17	2,621.44	8.88	7.86	-129.10	-201.26	420.25	561.66	545.05	16.62	33.799	
2,800.00	2,729.67	2,753.44	2,718.14	9.09	8.02	-129.32	-213.88	432.35	580.05	563.10	16.95	34.213	
2,900.00	2,826.33	2,851.71	2,814.84	9.32	8.18	-129.53	-226.50	444.45	598.45	581.13	17.32	34.560	
3,000.00	2,922.99	2,949.98	2,911.55	9.56	8.36	-129.72	-239.12	456.56	616.85	599.15	17.70	34.847	
3,100.00	3,019.65	3,048.26	3,008.25	9.81	8.55	-129.90	-251.74	468.66	635.26	617.15	18.11	35.079	
3,200.00	3,116.31	3,146.53	3,104.95	10.07	8.75	-130.08	-264.36	480.76	653.68	635.14	18.54	35.263	
3,300.00	3,212.97	3,244.80	3,201.65	10.34	8.95	-130.24	-276.98	492.87	672.10	653.11	18.98	35.403	
3,400.00	3,309.63	3,343.07	3,298.36	10.63	9.17	-130.40	-289.61	504.97	690.52	671.07	19.45	35.504	
3,500.00	3,406.29	3,441.34	3,395.06	10.92	9.39	-130.54	-302.23	517.07	708.95	689.02	19.93	35.572	
3,600.00	3,502.95	3,539.61	3,491.76	11.21	9.62	-130.68	-314.85	529.18	727.39	706.96	20.43	35.610	
3,700.00	3,599.61	3,637.88	3,588.46	11.52	9.86	-130.81	-327.47	541.28	745.83	724.89	20.94	35.622	
3,800.00	3,696.27	3,736.15	3,685.17	11.83	10.10	-130.94	-340.09	553.38	764.27	742.81	21.46	35.612	
3,900.00	3,792.93	3,834.42	3,781.87	12.15	10.35	-131.06	-352.71	565.49	782.72	760.72	22.00	35.584	
4,000.00	3,889.59	3,932.69	3,878.57	12.48	10.61	-131.18	-365.33	577.59	801.17	778.62	22.54	35.539	
4,100.00	3,986.25	4,030.97	3,975.28	12.81	10.87	-131.29	-377.95	589.69	819.62	796.52	23.10	35.480	
4,200.00	4,082.91	4,129.24	4,071.98	13.14	11.13	-131.39	-390.57	601.80	838.07	814.41	23.67	35.410	
4,300.00	4,179.57	4,227.51	4,168.68	13.48	11.40	-131.49	-403.20	613.90	856.53	832.29	24.24	35.331	
4,400.00	4,276.23	4,325.78	4,265.38	13.83	11.68	-131.59	-415.82	626.00	874.99	850.17	24.83	35.243	
4,500.00	4,372.89	4,424.05	4,362.09	14.18	11.95	-131.68	-428.44	638.11	893.45	868.04	25.42	35.149	
4,600.00	4,469.55	4,522.32	4,458.79	14.53	12.23	-131.77	-441.06	650.21	911.92	885.90	26.02	35.049	
4,700.00	4,566.21	4,620.59	4,555.49	14.88	12.52	-131.85	-453.68	662.31	930.39	903.76	26.62	34.946	
4,800.00	4,662.87	4,718.86	4,652.19	15.24	12.81	-131.93	-466.30	674.42	948.85	921.62	27.24	34.839	
4,900.00	4,759.53	4,817.13	4,748.90	15.60	13.10	-132.01	-478.92	686.52	967.32	939.47	27.85	34.729	
5,000.00	4,856.19	4,915.40	4,845.60	15.97	13.39	-132.09	-491.54	698.62	985.80	957.32	28.48	34.618	
5,100.00	4,952.86	5,013.68	4,942.30	16.33	13.69	-132.16	-504.16	710.73	1,004.27	975.17	29.10	34.506	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,049.52	5,111.95	5,039.01	16.70	13.99	-132.23	-516.79	722.83	1,022.74	993.01	29.74	34.393	
5,300.00	5,146.18	5,210.22	5,135.71	17.07	14.29	-132.30	-529.41	734.93	1,041.22	1,010.85	30.37	34.279	
5,400.00	5,242.84	5,308.49	5,232.41	17.45	14.59	-132.36	-542.03	747.04	1,059.70	1,028.68	31.02	34.166	
5,500.00	5,339.50	5,406.76	5,329.11	17.82	14.89	-132.43	-554.65	759.14	1,078.18	1,046.52	31.66	34.053	
5,600.00	5,436.16	5,505.03	5,425.82	18.20	15.20	-132.49	-567.27	771.24	1,096.66	1,064.35	32.31	33.941	
5,700.00	5,532.82	5,603.30	5,522.52	18.58	15.51	-132.55	-579.89	783.35	1,115.14	1,082.18	32.96	33.830	
5,800.00	5,629.48	5,701.57	5,619.22	18.96	15.82	-132.60	-592.51	795.45	1,133.62	1,100.00	33.62	33.720	
5,900.00	5,726.14	5,800.16	5,715.92	19.34	16.13	-132.66	-605.13	807.55	1,152.11	1,117.83	34.28	33.610	
6,000.00	5,822.80	5,901.89	5,812.63	19.73	16.46	-132.71	-617.75	819.66	1,170.59	1,135.64	34.95	33.492	
6,100.00	5,919.46	6,003.61	5,909.33	20.11	16.78	-132.76	-630.38	831.76	1,189.08	1,153.45	35.63	33.375	
6,500.00	6,306.10	8,046.24	7,237.69	21.66	21.25	178.16	-801.52	-64.22	1,176.42	1,140.25	36.18	32.517	
6,600.00	6,402.76	8,047.20	7,237.69	22.06	21.25	178.10	-801.51	-65.18	1,118.22	1,081.03	37.19	30.067	
6,700.00	6,499.42	8,048.15	7,237.69	22.45	21.26	178.04	-801.51	-66.13	1,066.23	1,028.00	38.22	27.894	
6,800.00	6,596.08	8,049.10	7,237.69	22.84	21.27	177.99	-801.51	-67.08	1,021.41	982.16	39.25	26.026	
6,900.00	6,692.52	8,043.88	7,237.69	23.18	21.22	-156.64	-801.52	-61.86	984.80	944.67	40.14	24.536	
7,000.00	6,787.02	8,023.22	7,237.71	23.49	21.04	-137.00	-801.57	-41.20	957.69	916.93	40.76	23.498	
7,100.00	6,877.26	7,987.52	7,237.74	23.80	20.73	-125.03	-801.65	-5.50	940.57	899.51	41.07	22.903	
7,200.00	6,961.00	7,937.67	7,237.79	24.09	20.33	-116.50	-801.76	44.35	932.78	891.69	41.09	22.702	
7,251.59	7,000.97	7,906.80	7,237.81	24.23	20.09	-112.74	-801.83	75.22	931.86	890.87	41.00	22.731	
7,300.00	7,036.18	7,874.88	7,237.84	24.36	19.88	-109.48	-801.90	107.14	932.57	891.70	40.87	22.817	
7,400.00	7,100.96	7,800.72	7,237.91	24.62	19.46	-103.40	-802.06	181.30	937.55	897.02	40.53	23.132	
7,500.00	7,153.74	7,717.00	7,237.99	24.87	19.23	-98.26	-802.25	265.02	945.07	904.84	40.22	23.495	
7,600.00	7,193.22	7,634.69	7,234.19	25.11	19.20	-94.25	-801.92	347.19	953.02	912.98	40.04	23.803	
7,700.00	7,218.43	7,556.62	7,221.00	25.39	19.22	-90.99	-800.37	424.08	960.76	920.80	39.96	24.042	
7,800.00	7,228.75	7,481.39	7,199.56	25.71	19.25	-88.43	-797.73	496.09	967.76	927.76	39.99	24.197	
7,900.00	7,229.12	7,410.09	7,171.61	26.11	19.29	-86.67	-794.22	561.54	975.19	935.10	40.10	24.320	
8,000.00	7,229.28	7,345.91	7,140.38	26.63	19.32	-84.85	-790.27	617.45	986.51	946.30	40.20	24.538	
8,100.00	7,229.43	7,288.98	7,108.13	27.27	19.34	-83.00	-786.17	664.16	1,002.57	962.28	40.29	24.883	
8,200.00	7,229.58	7,238.90	7,076.44	28.02	19.35	-81.21	-782.12	702.70	1,024.02	983.66	40.36	25.373	
8,300.00	7,229.73	7,200.00	7,049.81	28.88	19.36	-79.73	-778.71	730.85	1,051.25	1,010.83	40.42	26.008	
8,400.00	7,229.89	7,150.00	7,013.16	29.82	19.36	-77.74	-774.01	764.52	1,084.40	1,043.96	40.44	26.814	
8,500.00	7,230.04	7,122.95	6,992.28	30.84	19.36	-76.62	-771.33	781.49	1,123.35	1,082.83	40.51	27.728	
8,600.00	7,230.19	7,100.00	6,974.01	31.93	19.36	-75.66	-768.98	795.19	1,167.99	1,127.39	40.60	28.769	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	80.15	-0.56	80.15				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	80.15	-0.56	80.15	72.62	7.53	10.646	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	80.15	-0.56	80.15	72.58	7.57	10.583	
300.00	299.98	302.87	302.85	3.34	3.35	177.11	78.31	-0.70	80.10	72.45	7.65	10.470	
400.00	399.84	405.73	405.55	3.40	3.41	176.97	72.79	-1.11	79.97	72.21	7.76	10.311	
500.00	499.45	508.59	507.99	3.49	3.50	176.75	63.59	-1.80	79.74	71.84	7.90	10.097	
558.10	557.17	568.34	567.33	3.55	3.56	176.58	56.57	-2.33	79.56	71.56	8.00	9.947	CC, ES
600.00	598.70	610.05	608.71	3.60	3.61	176.47	51.34	-2.72	79.84	71.75	8.09	9.867	
700.00	697.47	710.00	707.86	3.75	3.76	176.32	38.80	-3.67	82.95	74.61	8.34	9.943	
800.00	795.62	809.77	806.84	3.95	3.93	176.32	26.28	-4.61	89.55	80.91	8.64	10.365	
900.00	893.06	909.26	905.54	4.19	4.12	176.45	13.79	-5.55	99.61	90.63	8.98	11.094	
1,000.00	989.79	1,008.42	1,003.90	4.48	4.33	176.64	1.35	-6.48	112.57	103.21	9.36	12.030	
1,100.00	1,086.45	1,107.53	1,102.23	4.80	4.55	176.81	-11.09	-7.42	125.84	116.08	9.76	12.893	
1,200.00	1,183.11	1,206.65	1,200.56	5.15	4.79	176.95	-23.53	-8.35	139.11	128.92	10.19	13.651	
1,300.00	1,279.77	1,305.76	1,298.89	5.52	5.04	177.06	-35.97	-9.29	152.38	141.73	10.65	14.314	
1,400.00	1,376.43	1,404.88	1,397.21	5.90	5.30	177.16	-48.41	-10.22	165.65	154.53	11.12	14.896	
1,500.00	1,473.09	1,503.99	1,495.54	6.30	5.57	177.24	-60.85	-11.16	178.92	167.30	11.61	15.406	
1,600.00	1,569.75	1,603.11	1,593.87	6.72	5.84	177.31	-73.29	-12.09	192.19	180.06	12.12	15.853	
1,700.00	1,666.41	1,702.22	1,692.19	7.14	6.12	177.37	-85.72	-13.03	205.46	192.81	12.65	16.248	
1,800.00	1,763.07	1,801.34	1,790.52	7.57	6.41	177.42	-98.16	-13.96	218.73	205.55	13.18	16.598	
1,900.00	1,859.73	1,900.45	1,888.85	7.81	6.56	177.47	-110.60	-14.90	232.00	218.92	13.08	17.732	
2,000.00	1,956.39	1,999.57	1,987.18	7.87	6.59	177.51	-123.04	-15.84	245.27	232.15	13.12	18.697	
2,100.00	2,053.05	2,101.32	2,085.50	7.96	6.64	177.55	-135.48	-16.77	258.55	245.36	13.19	19.606	
2,200.00	2,149.71	2,202.20	2,183.83	8.07	6.70	177.58	-147.92	-17.71	271.82	258.53	13.29	20.455	
2,300.00	2,246.37	2,303.09	2,282.16	8.19	6.77	177.61	-160.36	-18.64	285.09	271.67	13.42	21.239	
2,400.00	2,343.03	2,403.97	2,380.48	8.34	6.86	177.64	-172.80	-19.58	298.36	284.77	13.59	21.958	
2,500.00	2,439.69	2,504.86	2,478.81	8.50	6.97	177.67	-185.23	-20.51	311.63	297.85	13.78	22.610	
2,600.00	2,536.35	2,605.74	2,577.14	8.68	7.08	177.69	-197.67	-21.45	324.91	310.90	14.01	23.195	
2,700.00	2,633.01	2,706.62	2,675.47	8.88	7.21	177.71	-210.11	-22.38	338.18	323.92	14.26	23.717	
2,800.00	2,729.67	2,807.51	2,773.79	9.09	7.36	177.73	-222.55	-23.32	351.45	336.91	14.54	24.178	
2,900.00	2,826.33	2,908.39	2,872.12	9.32	7.51	177.75	-234.99	-24.25	364.72	349.88	14.84	24.580	
3,000.00	2,922.99	3,009.28	2,970.45	9.56	7.67	177.77	-247.43	-25.19	377.99	362.83	15.16	24.930	
3,100.00	3,019.65	3,089.84	3,068.77	9.81	7.81	177.78	-259.87	-26.12	391.27	375.79	15.48	25.281	
3,200.00	3,116.31	3,188.95	3,167.10	10.07	7.99	177.80	-272.31	-27.06	404.54	388.70	15.84	25.542	
3,300.00	3,212.97	3,288.07	3,265.43	10.34	8.17	177.81	-284.74	-27.99	417.81	401.59	16.22	25.763	
3,400.00	3,309.63	3,387.18	3,363.76	10.63	8.37	177.83	-297.18	-28.93	431.08	414.47	16.61	25.947	
3,500.00	3,406.29	3,486.30	3,462.08	10.92	8.57	177.84	-309.62	-29.86	444.36	427.33	17.03	26.098	
3,600.00	3,502.95	3,585.41	3,560.41	11.21	8.78	177.85	-322.06	-30.80	457.63	440.18	17.45	26.220	
3,700.00	3,599.61	3,684.53	3,658.74	11.52	8.99	177.86	-334.50	-31.73	470.90	453.01	17.89	26.316	
3,800.00	3,696.27	3,783.64	3,757.07	11.83	9.21	177.87	-346.94	-32.67	484.17	465.83	18.35	26.390	
3,900.00	3,792.93	3,882.76	3,855.39	12.15	9.44	177.88	-359.38	-33.61	497.45	478.63	18.81	26.443	
4,000.00	3,889.59	3,981.87	3,953.72	12.48	9.67	177.89	-371.82	-34.54	510.72	491.43	19.29	26.479	
4,100.00	3,986.25	4,080.99	4,052.05	12.81	9.90	177.90	-384.26	-35.48	523.99	504.22	19.77	26.500	
4,200.00	4,082.91	4,180.10	4,150.37	13.14	10.14	177.91	-396.69	-36.41	537.26	517.00	20.27	26.509	
4,300.00	4,179.57	4,279.22	4,248.70	13.48	10.39	177.92	-409.13	-37.35	550.54	529.77	20.77	26.505	
4,400.00	4,276.23	4,378.33	4,347.03	13.83	10.64	177.93	-421.57	-38.28	563.81	542.53	21.28	26.492	
4,500.00	4,372.89	4,477.45	4,445.36	14.18	10.89	177.93	-434.01	-39.22	577.08	555.28	21.80	26.471	
4,600.00	4,469.55	4,576.57	4,543.68	14.53	11.14	177.94	-446.45	-40.15	590.35	568.03	22.33	26.443	
4,700.00	4,566.21	4,675.68	4,642.01	14.88	11.40	177.95	-458.89	-41.09	603.63	580.77	22.86	26.408	
4,800.00	4,662.87	4,774.80	4,740.34	15.24	11.66	177.95	-471.33	-42.02	616.90	593.50	23.40	26.368	
4,900.00	4,759.53	4,873.91	4,838.66	15.60	11.93	177.96	-483.77	-42.96	630.17	606.23	23.94	26.325	
5,000.00	4,856.19	4,973.03	4,936.99	15.97	12.20	177.97	-496.20	-43.89	643.45	618.96	24.49	26.277	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	5,072.14	5,035.32	16.33	12.46	177.97	-508.64	-44.83	656.72	631.68	25.04	26.227	
5,200.00	5,049.52	5,171.26	5,133.65	16.70	12.74	177.98	-521.08	-45.76	669.99	644.39	25.60	26.174	
5,300.00	5,146.18	5,270.37	5,231.97	17.07	13.01	177.98	-533.52	-46.70	683.26	657.10	26.16	26.119	
5,400.00	5,242.84	5,369.49	5,330.30	17.45	13.28	177.99	-545.96	-47.63	696.54	669.81	26.73	26.063	
5,500.00	5,339.50	5,468.60	5,428.63	17.82	13.56	177.99	-558.40	-48.57	709.81	682.51	27.29	26.006	
5,600.00	5,436.16	5,567.72	5,526.95	18.20	13.84	178.00	-570.84	-49.51	723.08	695.21	27.87	25.947	
5,700.00	5,532.82	5,666.83	5,625.28	18.58	14.12	178.00	-583.28	-50.44	736.35	707.91	28.44	25.888	
5,800.00	5,629.48	5,765.95	5,723.61	18.96	14.40	178.01	-595.72	-51.38	749.63	720.60	29.02	25.829	
5,900.00	5,726.14	5,865.06	5,821.94	19.34	14.69	178.01	-608.15	-52.31	762.90	733.29	29.60	25.770	
6,000.00	5,822.80	5,964.18	5,920.26	19.73	14.97	178.01	-620.59	-53.25	776.17	745.98	30.19	25.710	
6,100.00	5,919.46	6,063.29	6,018.59	20.11	15.26	178.02	-633.03	-54.18	789.44	758.67	30.78	25.651	
6,200.00	6,016.12	6,162.41	6,116.92	20.50	15.54	178.02	-645.47	-55.12	802.72	771.35	31.37	25.592	
6,300.00	6,112.78	6,261.52	6,215.24	20.89	15.83	178.02	-657.91	-56.05	815.99	784.03	31.96	25.533	
6,400.00	6,209.44	6,360.64	6,313.57	21.27	16.12	178.03	-670.35	-56.99	829.26	796.71	32.55	25.475	
6,500.00	6,306.10	6,459.76	6,411.90	21.66	16.41	178.03	-682.79	-57.92	842.54	809.39	33.15	25.417	
6,600.00	6,402.76	6,558.87	6,510.23	22.06	16.70	178.04	-695.23	-58.86	855.81	822.06	33.75	25.360	
6,700.00	6,499.42	6,657.99	6,608.55	22.45	17.00	178.04	-707.66	-59.79	869.08	834.73	34.35	25.304	
6,800.00	6,596.08	6,757.10	6,706.88	22.84	17.29	178.04	-720.10	-60.73	882.35	847.41	34.95	25.248	
6,900.00	6,692.52	6,852.23	6,801.08	23.18	17.53	-152.74	-731.88	-56.03	895.75	860.27	35.48	25.247	
7,000.00	6,787.02	6,946.90	6,893.15	23.49	17.76	-130.65	-743.03	-37.46	909.24	873.29	35.96	25.286	
7,100.00	6,877.26	7,041.77	6,981.69	23.80	17.97	-118.08	-753.40	-5.28	922.52	886.11	36.41	25.338	
7,200.00	6,961.00	7,136.99	7,064.86	24.09	18.18	-110.52	-762.75	39.96	935.25	898.40	36.85	25.382	
7,300.00	7,036.18	7,232.73	7,140.83	24.36	18.38	-105.62	-770.88	97.51	947.13	909.81	37.31	25.382	
7,400.00	7,100.96	7,329.13	7,207.84	24.62	18.57	-102.31	-777.60	166.35	957.88	920.01	37.86	25.298	
7,500.00	7,153.74	7,426.29	7,264.20	24.87	18.77	-100.04	-782.71	245.21	967.24	928.69	38.55	25.089	
7,600.00	7,193.22	7,524.31	7,308.37	25.11	18.98	-98.56	-786.07	332.54	974.99	935.55	39.44	24.722	
7,700.00	7,218.43	7,623.22	7,338.96	25.39	19.28	-97.71	-787.55	426.48	980.93	940.39	40.55	24.191	
7,800.00	7,228.75	7,723.03	7,354.84	25.71	19.74	-97.41	-787.06	524.92	984.94	943.05	41.89	23.513	
7,900.00	7,229.12	7,823.27	7,357.07	26.11	20.40	-97.45	-784.80	625.08	987.60	944.17	43.42	22.743	
8,000.00	7,229.28	7,923.24	7,357.20	26.63	21.20	-97.43	-782.28	725.01	990.22	945.08	45.14	21.937	
8,100.00	7,229.43	8,023.20	7,357.34	27.27	22.12	-97.41	-779.77	824.95	992.84	945.81	47.03	21.112	
8,200.00	7,229.58	8,123.17	7,357.48	28.02	23.14	-97.39	-777.25	924.88	995.46	946.39	49.07	20.286	
8,300.00	7,229.73	8,223.13	7,357.61	28.88	24.23	-97.37	-774.73	1,024.81	998.08	946.83	51.25	19.476	
8,400.00	7,229.89	8,323.10	7,357.75	29.82	25.39	-97.35	-772.21	1,124.75	1,000.70	947.16	53.54	18.690	
8,500.00	7,230.04	8,423.06	7,357.89	30.84	26.60	-97.33	-769.70	1,224.68	1,003.32	947.38	55.94	17.935	
8,600.00	7,230.19	8,523.03	7,358.03	31.93	27.86	-97.31	-767.18	1,324.61	1,005.94	947.51	58.43	17.216	
8,700.00	7,230.35	8,622.99	7,358.16	33.08	29.16	-97.29	-764.66	1,424.55	1,008.57	947.57	61.00	16.534	
8,800.00	7,230.50	8,722.96	7,358.30	34.27	30.50	-97.27	-762.14	1,524.48	1,011.19	947.55	63.64	15.890	
8,900.00	7,230.65	8,822.92	7,358.44	35.51	31.87	-97.25	-759.62	1,624.41	1,013.81	947.47	66.34	15.283	
9,000.00	7,230.80	8,922.89	7,358.57	36.79	33.27	-97.23	-757.11	1,724.35	1,016.43	947.34	69.09	14.712	
9,100.00	7,230.96	9,022.86	7,358.71	38.10	34.69	-97.21	-754.59	1,824.28	1,019.05	947.16	71.89	14.175	
9,200.00	7,231.11	9,122.82	7,358.85	39.44	36.13	-97.19	-752.07	1,924.21	1,021.68	946.94	74.73	13.671	
9,300.00	7,231.26	9,222.79	7,358.98	40.80	37.59	-97.17	-749.55	2,024.15	1,024.30	946.68	77.62	13.197	
9,400.00	7,231.42	9,322.75	7,359.12	42.19	39.07	-97.15	-747.04	2,124.08	1,026.92	946.39	80.53	12.752	
9,500.00	7,231.57	9,422.72	7,359.26	43.60	40.56	-97.13	-744.52	2,224.01	1,029.54	946.07	83.48	12.333	
9,600.00	7,231.72	9,522.68	7,359.39	45.03	42.07	-97.11	-742.00	2,323.95	1,032.17	945.72	86.45	11.939	
9,700.00	7,231.88	9,622.65	7,359.53	46.48	43.59	-97.09	-739.48	2,423.88	1,034.79	945.34	89.45	11.569	
9,800.00	7,232.03	9,722.61	7,359.67	47.94	45.11	-97.07	-736.97	2,523.81	1,037.41	944.95	92.47	11.219	
9,900.00	7,232.18	9,822.58	7,359.80	49.41	46.65	-97.05	-734.45	2,623.74	1,040.04	944.53	95.51	10.890	
10,000.00	7,232.33	9,922.54	7,359.94	50.90	48.20	-97.03	-731.93	2,723.68	1,042.66	944.09	98.56	10.578	
10,100.00	7,232.49	10,022.51	7,360.08	52.39	49.75	-97.02	-729.41	2,823.61	1,045.28	943.64	101.64	10.284	
10,200.00	7,232.64	10,122.47	7,360.21	53.90	51.31	-97.00	-726.90	2,923.54	1,047.91	943.18	104.73	10.006	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,232.79	10,222.44	7,360.35	55.42	52.88	-96.98	-724.38	3,023.48	1,050.53	942.70	107.83	9.742	
10,400.00	7,232.95	10,322.40	7,360.49	56.94	54.45	-96.96	-721.86	3,123.41	1,053.15	942.21	110.95	9.492	
10,500.00	7,233.10	10,422.37	7,360.62	58.48	56.03	-96.94	-719.34	3,223.34	1,055.78	941.70	114.07	9.255	
10,600.00	7,233.25	10,522.33	7,360.76	60.02	57.61	-96.92	-716.82	3,323.28	1,058.40	941.19	117.21	9.030	
10,700.00	7,233.40	10,622.30	7,360.90	61.57	59.20	-96.91	-714.31	3,423.21	1,061.02	940.66	120.36	8.815	
10,800.00	7,233.56	10,722.26	7,361.03	63.12	60.80	-96.89	-711.79	3,523.14	1,063.65	940.13	123.52	8.611	
10,900.00	7,233.71	10,835.71	7,361.19	64.69	62.61	-96.87	-709.16	3,636.56	1,066.13	939.03	127.10	8.388	
11,000.00	7,233.86	10,958.73	7,361.36	66.25	64.58	-96.87	-709.63	3,759.58	1,065.75	934.80	130.95	8.139	
11,100.00	7,234.02	11,058.73	7,361.49	67.82	66.20	-96.87	-710.56	3,859.57	1,064.95	930.82	134.14	7.939	
11,200.00	7,234.17	11,158.73	7,361.62	69.40	67.81	-96.88	-711.49	3,959.56	1,064.15	926.82	137.33	7.749	
11,300.00	7,234.32	11,258.72	7,361.76	70.98	69.43	-96.88	-712.42	4,059.56	1,063.35	922.82	140.53	7.567	
11,400.00	7,234.47	11,358.72	7,361.89	72.56	71.05	-96.89	-713.35	4,159.55	1,062.55	918.82	143.74	7.392	
11,500.00	7,234.63	11,458.72	7,362.02	74.15	72.68	-96.89	-714.28	4,259.54	1,061.75	914.81	146.95	7.225	
11,600.00	7,234.78	11,558.71	7,362.16	75.74	74.30	-96.90	-715.21	4,359.53	1,060.95	910.79	150.16	7.065	
11,700.00	7,234.93	11,658.71	7,362.29	77.34	75.93	-96.90	-716.14	4,459.53	1,060.15	906.77	153.38	6.912	
11,800.00	7,235.09	11,758.71	7,362.43	78.94	77.56	-96.90	-717.07	4,559.52	1,059.35	902.75	156.61	6.764	
11,900.00	7,235.24	11,858.70	7,362.56	80.54	79.19	-96.91	-718.00	4,659.51	1,058.55	898.72	159.84	6.623	
12,000.00	7,235.39	11,958.70	7,362.69	82.14	80.82	-96.91	-718.93	4,759.50	1,057.75	894.69	163.07	6.487	
12,100.00	7,235.55	12,058.70	7,362.83	83.75	82.46	-96.92	-719.86	4,859.50	1,056.96	890.65	166.30	6.356	
12,200.00	7,235.70	12,158.69	7,362.96	85.36	84.09	-96.92	-720.79	4,959.49	1,056.16	886.61	169.54	6.229	
12,300.00	7,235.85	12,258.69	7,363.09	86.97	85.73	-96.92	-721.72	5,059.48	1,055.36	882.57	172.79	6.108	
12,400.00	7,236.00	12,358.69	7,363.23	88.59	87.37	-96.93	-722.65	5,159.47	1,054.56	878.53	176.03	5.991	
12,500.00	7,236.16	12,458.68	7,363.36	90.20	89.01	-96.93	-723.58	5,259.47	1,053.76	874.48	179.28	5.878	
12,600.00	7,236.31	12,558.68	7,363.50	91.82	90.65	-96.94	-724.51	5,359.46	1,052.96	870.43	182.53	5.769	
12,700.00	7,236.46	12,658.68	7,363.63	93.44	92.29	-96.94	-725.44	5,459.45	1,052.16	866.37	185.78	5.663	
12,800.00	7,236.62	12,758.67	7,363.76	95.06	93.93	-96.95	-726.37	5,559.44	1,051.36	862.32	189.04	5.562	
12,900.00	7,236.76	12,858.66	7,363.90	96.68	95.58	-96.95	-727.29	5,659.43	1,049.94	857.65	192.29	5.460	
13,000.00	7,236.89	12,958.64	7,364.03	98.30	97.22	-96.97	-728.22	5,759.40	1,048.01	852.46	195.55	5.359	
13,100.00	7,237.03	13,058.62	7,364.17	99.93	98.87	-96.98	-729.15	5,859.38	1,046.08	847.27	198.81	5.262	
13,200.00	7,237.17	13,158.61	7,364.30	101.55	100.52	-96.99	-730.08	5,959.36	1,044.15	842.07	202.07	5.167	
13,300.00	7,237.30	13,258.59	7,364.43	103.18	102.16	-97.01	-731.01	6,059.33	1,042.21	836.88	205.33	5.076	
13,400.00	7,237.44	13,358.57	7,364.57	104.81	103.81	-97.02	-731.94	6,159.31	1,040.28	831.68	208.60	4.987	
13,500.00	7,237.57	13,458.55	7,364.70	106.43	105.46	-97.03	-732.87	6,259.29	1,038.35	826.49	211.86	4.901	
13,600.00	7,237.71	13,558.53	7,364.83	108.06	107.11	-97.05	-733.80	6,359.26	1,036.42	821.29	215.13	4.818	
13,700.00	7,237.84	13,658.51	7,364.97	109.70	108.76	-97.06	-734.73	6,459.24	1,034.49	816.09	218.40	4.737	
13,800.00	7,237.98	13,758.49	7,365.10	111.33	110.41	-97.07	-735.66	6,559.22	1,032.56	810.89	221.67	4.658	
13,900.00	7,238.11	13,858.47	7,365.24	112.96	112.07	-97.09	-736.59	6,659.19	1,030.63	805.68	224.94	4.582	
14,000.00	7,238.25	13,958.45	7,365.37	114.60	113.72	-97.10	-737.52	6,759.17	1,028.69	800.48	228.21	4.508	
14,100.00	7,238.38	14,058.43	7,365.50	116.23	115.37	-97.11	-738.45	6,859.15	1,026.76	795.27	231.49	4.435	
14,200.00	7,238.52	14,158.42	7,365.64	117.87	117.03	-97.12	-739.38	6,959.12	1,024.83	790.07	234.76	4.365	
14,300.00	7,238.66	14,258.40	7,365.77	119.51	118.68	-97.14	-740.31	7,059.10	1,022.90	784.86	238.04	4.297	
14,400.00	7,238.79	14,358.38	7,365.90	121.15	120.33	-97.15	-741.24	7,159.08	1,020.97	779.65	241.32	4.231	
14,500.00	7,238.93	14,458.36	7,366.04	122.78	121.99	-97.17	-742.17	7,259.05	1,019.04	774.44	244.59	4.166	
14,600.00	7,239.06	14,558.34	7,366.17	124.42	123.64	-97.18	-743.10	7,359.03	1,017.11	769.24	247.87	4.103	
14,700.00	7,239.20	14,658.32	7,366.31	126.07	125.30	-97.19	-744.03	7,459.01	1,015.18	764.02	251.15	4.042	
14,800.00	7,239.33	14,758.30	7,366.44	127.71	126.96	-97.21	-744.96	7,558.98	1,013.25	758.81	254.43	3.982	
14,900.00	7,239.47	14,858.28	7,366.57	129.35	128.61	-97.22	-745.89	7,658.96	1,011.32	753.60	257.71	3.924	
15,000.00	7,239.60	14,958.26	7,366.71	130.99	130.27	-97.23	-746.82	7,758.94	1,009.39	748.39	261.00	3.867	
15,100.00	7,239.74	15,058.25	7,366.84	132.64	131.93	-97.25	-747.74	7,858.91	1,007.45	743.18	264.28	3.812	
15,200.00	7,239.87	15,158.23	7,366.97	134.28	133.59	-97.26	-748.67	7,958.89	1,005.52	737.96	267.56	3.758	
15,300.00	7,240.01	15,258.21	7,367.11	135.93	135.25	-97.28	-749.60	8,058.87	1,003.59	732.75	270.84	3.705	
15,400.00	7,240.14	15,358.19	7,367.24	137.57	136.90	-97.29	-750.53	8,158.84	1,001.66	727.53	274.13	3.654	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,240.28	15,458.17	7,367.38	139.22	138.56	-97.30	-751.46	8,258.82	999.73	722.32	277.41	3.604	
15,600.00	7,240.42	15,558.15	7,367.51	140.87	140.22	-97.32	-752.39	8,358.80	997.80	717.10	280.70	3.555	
15,700.00	7,240.55	15,658.13	7,367.64	142.51	141.88	-97.33	-753.32	8,458.77	995.87	711.89	283.99	3.507	
15,800.00	7,240.69	15,758.11	7,367.78	144.16	143.54	-97.35	-754.25	8,558.75	993.94	706.67	287.27	3.460	
15,900.00	7,240.82	15,858.09	7,367.91	145.81	145.20	-97.36	-755.18	8,658.73	992.01	701.45	290.56	3.414	
16,000.00	7,240.96	15,958.08	7,368.05	147.46	146.86	-97.37	-756.11	8,758.70	990.08	696.24	293.85	3.369	
16,100.00	7,241.09	16,058.06	7,368.18	149.11	148.52	-97.39	-757.04	8,858.68	988.15	691.02	297.13	3.326	
16,200.00	7,241.23	16,158.04	7,368.31	150.76	150.18	-97.40	-757.97	8,958.66	986.22	685.80	300.42	3.283	
16,300.00	7,241.36	16,258.02	7,368.45	152.41	151.85	-97.42	-758.90	9,058.63	984.29	680.58	303.71	3.241	
16,400.00	7,241.50	16,358.00	7,368.58	154.06	153.51	-97.43	-759.83	9,158.61	982.36	675.36	307.00	3.200	
16,500.00	7,241.63	16,457.98	7,368.71	155.71	155.17	-97.45	-760.76	9,258.59	980.43	670.14	310.29	3.160	
16,600.00	7,241.77	16,557.96	7,368.85	157.36	156.83	-97.46	-761.69	9,358.56	978.50	664.92	313.58	3.120	
16,700.00	7,241.91	16,657.94	7,368.98	159.01	158.49	-97.48	-762.62	9,458.54	976.57	659.70	316.87	3.082	
16,800.00	7,242.04	16,757.92	7,369.12	160.67	160.16	-97.49	-763.55	9,558.52	974.64	654.49	320.16	3.044	
16,900.00	7,242.18	16,857.90	7,369.25	162.32	161.82	-97.51	-764.48	9,658.49	972.71	649.27	323.45	3.007	
17,000.00	7,242.31	16,957.89	7,369.38	163.97	163.48	-97.52	-765.41	9,758.47	970.78	644.05	326.74	2.971	
17,100.00	7,242.45	17,057.87	7,369.52	165.63	165.14	-97.54	-766.34	9,858.45	968.86	638.83	330.03	2.936	
17,200.00	7,242.58	17,157.85	7,369.65	167.28	166.81	-97.55	-767.27	9,958.42	966.93	633.60	333.32	2.901	
17,300.00	7,242.72	17,257.83	7,369.78	168.93	168.47	-97.57	-768.19	10,058.40	965.00	628.38	336.61	2.867	
17,400.00	7,242.85	17,357.81	7,369.92	170.59	170.13	-97.58	-769.12	10,158.38	963.07	623.16	339.90	2.833	
17,500.00	7,242.99	17,457.79	7,370.05	172.24	171.80	-97.60	-770.05	10,258.35	961.14	617.94	343.20	2.801	
17,600.00	7,243.12	17,557.77	7,370.19	173.90	173.46	-97.61	-770.98	10,358.33	959.21	612.72	346.49	2.768	
17,700.00	7,243.26	17,657.75	7,370.32	175.55	175.13	-97.63	-771.91	10,458.31	957.28	607.50	349.78	2.737	
17,800.00	7,243.39	17,757.73	7,370.45	177.21	176.79	-97.64	-772.84	10,558.28	955.35	602.28	353.07	2.706	
17,900.00	7,243.53	17,857.72	7,370.59	178.87	178.45	-97.66	-773.77	10,658.26	953.42	597.06	356.36	2.675	
18,000.00	7,243.67	17,957.70	7,370.72	180.52	180.12	-97.67	-774.70	10,758.24	951.49	591.84	359.66	2.646	
18,100.00	7,243.80	18,057.68	7,370.86	182.18	181.78	-97.69	-775.63	10,858.21	949.57	586.62	362.95	2.616	
18,200.00	7,243.94	18,157.66	7,370.99	183.83	183.45	-97.70	-776.56	10,958.19	947.64	581.40	366.24	2.587	
18,300.00	7,244.07	18,257.64	7,371.12	185.49	185.11	-97.72	-777.49	11,058.17	945.71	576.18	369.53	2.559	
18,400.00	7,244.21	18,357.62	7,371.26	187.15	186.78	-97.74	-778.42	11,158.14	943.78	570.95	372.83	2.531	
18,500.00	7,244.34	18,457.60	7,371.39	188.81	188.44	-97.75	-779.35	11,258.12	941.85	565.73	376.12	2.504	
18,600.00	7,244.48	18,557.58	7,371.52	190.46	190.11	-97.77	-780.28	11,358.10	939.92	560.51	379.41	2.477	
18,700.00	7,244.61	18,657.56	7,371.66	192.12	191.77	-97.78	-781.21	11,458.07	938.00	555.29	382.70	2.451	
18,800.00	7,244.75	18,757.55	7,371.79	193.78	193.44	-97.80	-782.14	11,558.05	936.07	550.07	386.00	2.425	
18,900.00	7,244.88	18,857.53	7,371.93	195.44	195.11	-97.82	-783.07	11,658.03	934.14	544.85	389.29	2.400	
19,000.00	7,245.02	18,957.51	7,372.06	197.10	196.77	-97.83	-784.00	11,758.00	932.21	539.63	392.58	2.375	
19,100.00	7,245.16	19,057.49	7,372.19	198.76	198.44	-97.85	-784.93	11,857.98	930.28	534.41	395.88	2.350	
19,200.00	7,245.29	19,157.47	7,372.33	200.41	200.10	-97.87	-785.86	11,957.96	928.36	529.19	399.17	2.326	
19,300.00	7,245.43	19,257.45	7,372.46	202.07	201.77	-97.88	-786.79	12,057.93	926.43	523.97	402.46	2.302	
19,400.00	7,245.56	19,357.43	7,372.59	203.73	203.44	-97.90	-787.72	12,157.91	924.50	518.75	405.75	2.278	
19,500.00	7,245.70	19,457.41	7,372.73	205.39	205.10	-97.91	-788.64	12,257.89	922.57	513.53	409.05	2.255	
19,600.00	7,245.83	19,557.39	7,372.86	207.05	206.77	-97.93	-789.57	12,357.86	920.64	508.31	412.34	2.233	
19,700.00	7,245.97	19,657.37	7,373.00	208.71	208.43	-97.95	-790.50	12,457.84	918.72	503.09	415.63	2.210	
19,800.00	7,246.10	19,757.36	7,373.13	210.37	210.10	-97.96	-791.43	12,557.82	916.79	497.87	418.92	2.188	
19,900.00	7,246.24	19,857.34	7,373.26	212.03	211.77	-97.98	-792.36	12,657.79	914.86	492.65	422.22	2.167	
20,000.00	7,246.37	19,957.32	7,373.40	213.69	213.43	-98.00	-793.29	12,757.77	912.94	487.43	425.51	2.146	
20,100.00	7,246.51	20,057.30	7,373.53	215.35	215.10	-98.01	-794.22	12,857.75	911.01	482.21	428.80	2.125	
20,200.00	7,246.64	20,157.28	7,373.66	217.01	216.77	-98.03	-795.15	12,957.72	909.08	476.99	432.09	2.104	
20,300.00	7,246.78	20,257.26	7,373.80	218.67	218.44	-98.05	-796.08	13,057.70	907.15	471.77	435.39	2.084	
20,400.00	7,246.92	20,357.24	7,373.93	220.34	220.10	-98.07	-797.01	13,157.68	905.23	466.55	438.68	2.064	
20,462.76	7,247.00	20,407.86	7,374.00	221.42	220.95	-98.07	-797.48	13,208.30	904.10	463.75	440.35	2.053	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.27	60.11	-0.28	60.11				
100.00	100.00	100.00	100.00	3.28	3.28	-0.27	60.11	-0.28	60.11	52.58	7.53	7.984	
200.00	200.00	200.00	200.00	3.31	3.31	-0.27	60.11	-0.28	60.11	52.54	7.57	7.936	
300.00	299.98	302.14	302.12	3.34	3.35	177.25	58.29	-0.39	60.07	52.42	7.65	7.852	
400.00	399.84	404.27	404.10	3.40	3.41	177.13	52.84	-0.74	59.97	52.21	7.75	7.734	
500.00	499.45	506.40	505.82	3.49	3.50	176.94	43.77	-1.32	59.79	51.90	7.90	7.573	
600.00	598.70	608.52	607.14	3.60	3.61	176.67	31.09	-2.13	59.55	51.47	8.08	7.373	
646.66	644.85	656.17	654.24	3.67	3.68	176.52	23.94	-2.59	59.42	51.24	8.18	7.267	CC, ES
700.00	697.47	709.39	706.81	3.75	3.77	176.38	15.63	-3.12	59.86	51.54	8.32	7.197	
800.00	795.62	809.32	805.51	3.95	3.95	176.28	0.01	-4.11	63.35	54.73	8.62	7.352	
900.00	893.06	909.07	904.03	4.19	4.16	176.37	-15.58	-5.11	70.32	61.35	8.96	7.847	
1,000.00	989.79	1,008.58	1,002.31	4.48	4.39	176.58	-31.13	-6.10	80.18	70.84	9.35	8.579	
1,100.00	1,086.45	1,108.06	1,100.56	4.80	4.63	176.75	-46.68	-7.09	90.36	80.60	9.76	9.260	
1,200.00	1,183.11	1,207.54	1,198.82	5.15	4.90	176.90	-62.23	-8.08	100.54	90.34	10.20	9.858	
1,300.00	1,279.77	1,307.02	1,297.07	5.52	5.17	177.01	-77.78	-9.07	110.72	100.06	10.67	10.381	
1,400.00	1,376.43	1,406.50	1,395.32	5.90	5.46	177.11	-93.32	-10.07	120.91	109.75	11.15	10.841	
1,500.00	1,473.09	1,505.98	1,493.57	6.30	5.76	177.19	-108.87	-11.06	131.09	119.43	11.66	11.244	
1,600.00	1,569.75	1,605.46	1,591.83	6.72	6.06	177.26	-124.42	-12.05	141.27	129.09	12.18	11.598	
1,700.00	1,666.41	1,704.94	1,690.08	7.14	6.37	177.32	-139.97	-13.04	151.45	138.74	12.72	11.910	
1,800.00	1,763.07	1,804.42	1,788.33	7.57	6.68	177.37	-155.51	-14.03	161.64	148.38	13.26	12.192	
1,900.00	1,859.73	1,903.91	1,886.58	7.81	6.85	177.42	-171.06	-15.03	171.82	158.65	13.16	13.052	
2,000.00	1,956.39	2,003.39	1,984.84	7.87	6.89	177.46	-186.61	-16.02	182.00	168.80	13.20	13.789	
2,100.00	2,053.05	2,102.87	2,083.09	7.96	6.94	177.50	-202.16	-17.01	192.18	178.92	13.27	14.484	
2,200.00	2,149.71	2,202.35	2,181.34	8.07	7.01	177.53	-217.70	-18.00	202.37	188.99	13.37	15.132	
2,300.00	2,246.37	2,301.83	2,279.60	8.19	7.10	177.56	-233.25	-18.99	212.55	199.04	13.51	15.734	
2,400.00	2,343.03	2,401.31	2,377.85	8.34	7.20	177.59	-248.80	-19.98	222.73	209.06	13.68	16.284	
2,500.00	2,439.69	2,500.79	2,476.10	8.50	7.31	177.61	-264.35	-20.98	232.92	219.04	13.88	16.785	
2,600.00	2,536.35	2,600.27	2,574.35	8.68	7.44	177.63	-279.90	-21.97	243.10	229.00	14.10	17.235	
2,700.00	2,633.01	2,700.25	2,672.61	8.88	7.58	177.66	-295.44	-22.96	253.28	238.92	14.36	17.637	
2,800.00	2,729.67	2,800.77	2,770.86	9.09	7.73	177.67	-310.99	-23.95	263.47	248.82	14.64	17.991	
2,900.00	2,826.33	2,901.29	2,869.11	9.32	7.90	177.69	-326.54	-24.94	273.65	258.70	14.95	18.300	
3,000.00	2,922.99	3,001.81	2,967.36	9.56	8.08	177.71	-342.09	-25.93	283.83	268.55	15.29	18.569	
3,100.00	3,019.65	3,102.33	3,065.62	9.81	8.27	177.72	-357.63	-26.93	294.02	278.38	15.64	18.801	
3,200.00	3,116.31	3,202.85	3,163.87	10.07	8.46	177.74	-373.18	-27.92	304.20	288.19	16.01	18.997	
3,300.00	3,212.97	3,303.37	3,262.12	10.34	8.67	177.75	-388.73	-28.91	314.38	297.98	16.41	19.163	
3,400.00	3,309.63	3,403.89	3,360.37	10.63	8.88	177.76	-404.28	-29.90	324.57	307.75	16.82	19.301	
3,500.00	3,406.29	3,504.41	3,458.63	10.92	9.11	177.78	-419.82	-30.89	334.75	317.51	17.24	19.414	
3,600.00	3,502.95	3,595.07	3,556.88	11.21	9.31	177.79	-435.37	-31.89	344.93	327.27	17.66	19.528	
3,700.00	3,599.61	3,705.45	3,655.13	11.52	9.57	177.80	-450.92	-32.88	355.12	336.98	18.14	19.577	
3,800.00	3,696.27	3,794.03	3,753.38	11.83	9.79	177.81	-466.47	-33.87	365.30	346.72	18.58	19.659	
3,900.00	3,792.93	3,893.51	3,851.64	12.15	10.03	177.82	-482.02	-34.86	375.48	356.43	19.06	19.701	
4,000.00	3,889.59	3,992.99	3,949.89	12.48	10.28	177.83	-497.56	-35.85	385.67	366.12	19.55	19.731	
4,100.00	3,986.25	4,107.53	4,048.14	12.81	10.58	177.83	-513.11	-36.84	395.85	375.77	20.08	19.714	
4,200.00	4,082.91	4,208.05	4,146.40	13.14	10.84	177.84	-528.66	-37.84	406.04	385.45	20.59	19.720	
4,300.00	4,179.57	4,308.57	4,244.65	13.48	11.11	177.85	-544.21	-38.83	416.22	395.11	21.11	19.718	
4,400.00	4,276.23	4,409.09	4,342.90	13.83	11.38	177.86	-559.75	-39.82	426.40	404.77	21.64	19.708	
4,500.00	4,372.89	4,509.61	4,441.15	14.18	11.65	177.86	-575.30	-40.81	436.59	414.42	22.17	19.692	
4,600.00	4,469.55	4,589.87	4,539.41	14.53	11.88	177.87	-590.85	-41.80	446.77	424.11	22.66	19.715	
4,700.00	4,566.21	4,689.35	4,637.66	14.88	12.15	177.88	-606.40	-42.80	456.95	433.75	23.21	19.691	
4,800.00	4,662.87	4,788.83	4,735.91	15.24	12.43	177.88	-621.94	-43.79	467.14	443.38	23.76	19.663	
4,900.00	4,759.53	4,888.31	4,834.16	15.60	12.72	177.89	-637.49	-44.78	477.32	453.01	24.31	19.632	
5,000.00	4,856.19	4,987.79	4,932.42	15.97	13.01	177.90	-653.04	-45.77	487.50	462.63	24.87	19.599	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	5,087.27	5,030.67	16.33	13.29	177.90	-668.59	-46.76	497.69	472.25	25.44	19.563	
5,200.00	5,049.52	5,186.75	5,128.92	16.70	13.59	177.91	-684.13	-47.75	507.87	481.86	26.01	19.526	
5,300.00	5,146.18	5,286.23	5,227.17	17.07	13.88	177.91	-699.68	-48.75	518.05	491.47	26.59	19.486	
5,400.00	5,242.84	5,385.71	5,325.43	17.45	14.17	177.92	-715.23	-49.74	528.24	501.07	27.16	19.446	
5,500.00	5,339.50	5,485.19	5,423.68	17.82	14.47	177.92	-730.78	-50.73	538.42	510.68	27.75	19.405	
5,600.00	5,436.16	5,584.67	5,521.93	18.20	14.77	177.92	-746.33	-51.72	548.61	520.27	28.33	19.363	
5,700.00	5,532.82	5,684.15	5,620.18	18.58	15.07	177.93	-761.87	-52.71	558.79	529.87	28.92	19.321	
5,800.00	5,629.48	5,783.63	5,718.44	18.96	15.37	177.93	-777.42	-53.71	568.97	539.46	29.51	19.279	
5,900.00	5,726.14	5,883.11	5,816.69	19.34	15.68	177.94	-792.97	-54.70	579.16	549.05	30.11	19.236	
6,000.00	5,822.80	5,982.59	5,914.94	19.73	15.98	177.94	-808.52	-55.69	589.34	558.63	30.71	19.193	
6,100.00	5,919.46	6,082.07	6,013.20	20.11	16.29	177.94	-824.06	-56.68	599.52	568.22	31.31	19.151	
6,200.00	6,016.12	6,181.55	6,111.45	20.50	16.60	177.95	-839.61	-57.67	609.71	577.80	31.91	19.108	
6,300.00	6,112.78	6,281.03	6,209.70	20.89	16.91	177.95	-855.16	-58.66	619.89	587.38	32.51	19.066	
6,400.00	6,209.44	6,380.51	6,307.95	21.27	17.21	177.95	-870.71	-59.66	630.07	596.95	33.12	19.024	
6,500.00	6,306.10	6,479.99	6,406.21	21.66	17.53	177.96	-886.25	-60.65	640.26	606.53	33.73	18.983	
6,600.00	6,402.76	6,579.47	6,504.46	22.06	17.84	177.96	-901.80	-61.64	650.44	616.10	34.34	18.941	
6,700.00	6,499.42	6,677.71	6,601.34	22.45	18.10	178.39	-917.12	-57.74	660.69	625.78	34.91	18.925	
6,800.00	6,596.08	6,772.11	6,692.86	22.84	18.34	179.98	-931.54	-40.10	671.51	636.07	35.44	18.947	
6,900.00	6,692.52	6,861.31	6,776.09	23.18	18.56	-148.84	-944.61	-11.03	683.52	647.59	35.93	19.025	
7,000.00	6,787.02	6,947.60	6,852.04	23.49	18.76	-124.96	-956.49	28.03	696.21	659.84	36.37	19.140	
7,100.00	6,877.26	7,031.54	6,920.26	23.80	18.96	-110.78	-967.13	75.65	709.01	672.23	36.79	19.273	
7,200.00	6,961.00	7,113.56	6,980.39	24.09	19.14	-101.82	-976.46	130.56	721.39	684.21	37.18	19.400	
7,300.00	7,036.18	7,194.06	7,032.16	24.36	19.32	-95.74	-984.44	191.62	732.85	695.27	37.58	19.499	
7,400.00	7,100.96	7,273.37	7,075.32	24.62	19.49	-91.45	-991.05	257.76	742.95	704.92	38.03	19.536	
7,500.00	7,153.74	7,351.78	7,109.69	24.87	19.68	-88.42	-996.25	327.99	751.32	712.77	38.55	19.489	
7,600.00	7,193.22	7,429.55	7,135.11	25.11	19.90	-86.38	-1,000.03	401.34	757.67	718.47	39.20	19.328	
7,700.00	7,218.43	7,506.92	7,151.45	25.39	20.19	-85.18	-1,002.36	476.89	761.80	721.81	39.99	19.049	
7,800.00	7,228.75	7,584.12	7,158.62	25.71	20.57	-84.74	-1,003.24	553.70	763.57	722.63	40.94	18.651	
7,900.00	7,229.12	7,678.28	7,159.16	26.11	21.16	-84.75	-1,003.01	647.86	763.96	721.64	42.32	18.052	
8,000.00	7,229.28	7,778.28	7,159.42	26.63	21.95	-84.76	-1,002.71	747.86	764.37	720.38	43.99	17.376	
8,100.00	7,229.43	7,878.28	7,159.67	27.27	22.85	-84.77	-1,002.42	847.85	764.78	718.94	45.85	16.682	
8,200.00	7,229.58	7,978.28	7,159.92	28.02	23.86	-84.78	-1,002.13	947.85	765.19	717.33	47.86	15.987	
8,300.00	7,229.73	8,078.28	7,160.17	28.88	24.95	-84.79	-1,001.83	1,047.85	765.60	715.58	50.02	15.305	
8,400.00	7,229.89	8,178.28	7,160.43	29.82	26.10	-84.80	-1,001.54	1,147.85	766.01	713.70	52.31	14.644	
8,500.00	7,230.04	8,278.28	7,160.68	30.84	27.31	-84.81	-1,001.24	1,247.85	766.42	711.72	54.70	14.010	
8,600.00	7,230.19	8,378.28	7,160.93	31.93	28.57	-84.82	-1,000.95	1,347.85	766.83	709.64	57.19	13.408	
8,700.00	7,230.35	8,478.28	7,161.19	33.08	29.87	-84.83	-1,000.65	1,447.84	767.24	707.48	59.77	12.837	
8,800.00	7,230.50	8,578.27	7,161.44	34.27	31.21	-84.84	-1,000.36	1,547.84	767.65	705.24	62.41	12.299	
8,900.00	7,230.65	8,678.27	7,161.69	35.51	32.58	-84.85	-1,000.07	1,647.84	768.06	702.94	65.13	11.794	
9,000.00	7,230.80	8,778.27	7,161.95	36.79	33.98	-84.86	-999.77	1,747.84	768.47	700.58	67.89	11.319	
9,100.00	7,230.96	8,878.27	7,162.20	38.10	35.40	-84.87	-999.48	1,847.84	768.88	698.18	70.71	10.874	
9,200.00	7,231.11	8,978.27	7,162.45	39.44	36.84	-84.88	-999.18	1,947.84	769.30	695.73	73.57	10.457	
9,300.00	7,231.26	9,078.27	7,162.71	40.80	38.30	-84.89	-998.89	2,047.83	769.71	693.24	76.47	10.066	
9,400.00	7,231.42	9,178.27	7,162.96	42.19	39.78	-84.90	-998.59	2,147.83	770.12	690.71	79.40	9.699	
9,500.00	7,231.57	9,278.27	7,163.21	43.60	41.27	-84.91	-998.30	2,247.83	770.53	688.16	82.37	9.355	
9,600.00	7,231.72	9,378.27	7,163.47	45.03	42.77	-84.92	-998.01	2,347.83	770.94	685.57	85.36	9.031	
9,700.00	7,231.88	9,478.27	7,163.72	46.48	44.29	-84.93	-997.71	2,447.83	771.35	682.97	88.38	8.728	
9,800.00	7,232.03	9,578.27	7,163.97	47.94	45.82	-84.94	-997.42	2,547.83	771.76	680.34	91.42	8.442	
9,900.00	7,232.18	9,678.26	7,164.22	49.41	47.36	-84.95	-997.12	2,647.82	772.17	677.69	94.48	8.173	
10,000.00	7,232.33	9,778.26	7,164.48	50.90	48.90	-84.96	-996.83	2,747.82	772.58	675.02	97.56	7.919	
10,100.00	7,232.49	9,878.26	7,164.73	52.39	50.46	-84.97	-996.53	2,847.82	772.99	672.33	100.66	7.679	
10,200.00	7,232.64	9,978.26	7,164.98	53.90	52.02	-84.98	-996.24	2,947.82	773.40	669.63	103.77	7.453	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,232.79	10,078.26	7,165.24	55.42	53.59	-84.99	-995.95	3,047.82	773.81	666.92	106.89	7.239	
10,400.00	7,232.95	10,178.26	7,165.49	56.94	55.16	-85.00	-995.65	3,147.81	774.22	664.19	110.03	7.036	
10,500.00	7,233.10	10,278.26	7,165.74	58.48	56.74	-85.01	-995.36	3,247.81	774.63	661.45	113.18	6.844	
10,600.00	7,233.25	10,378.26	7,166.00	60.02	58.32	-85.02	-995.06	3,347.81	775.04	658.70	116.34	6.662	
10,700.00	7,233.40	10,478.26	7,166.25	61.57	59.91	-85.03	-994.77	3,447.81	775.45	655.94	119.51	6.489	
10,800.00	7,233.56	10,578.26	7,166.50	63.12	61.51	-85.04	-994.47	3,547.81	775.86	653.17	122.69	6.324	
10,900.00	7,233.71	10,678.26	7,166.76	64.69	63.11	-85.05	-994.18	3,647.81	776.27	650.40	125.88	6.167	
11,000.00	7,233.86	10,778.25	7,167.01	66.25	64.71	-85.06	-993.89	3,747.80	776.68	647.61	129.07	6.017	
11,100.00	7,234.02	10,878.25	7,167.26	67.82	66.31	-85.07	-993.59	3,847.80	777.10	644.82	132.27	5.875	
11,200.00	7,234.17	10,978.25	7,167.51	69.40	67.92	-85.08	-993.30	3,947.80	777.51	642.02	135.48	5.739	
11,300.00	7,234.32	11,078.25	7,167.77	70.98	69.53	-85.09	-993.00	4,047.80	777.92	639.22	138.70	5.609	
11,400.00	7,234.47	11,178.25	7,168.02	72.56	71.15	-85.10	-992.71	4,147.80	778.33	636.41	141.92	5.484	
11,500.00	7,234.63	11,278.25	7,168.27	74.15	72.76	-85.11	-992.41	4,247.80	778.74	633.59	145.15	5.365	
11,600.00	7,234.78	11,378.25	7,168.53	75.74	74.38	-85.12	-992.12	4,347.79	779.15	630.77	148.38	5.251	
11,700.00	7,234.93	11,478.25	7,168.78	77.34	76.00	-85.13	-991.82	4,447.79	779.56	627.95	151.61	5.142	
11,800.00	7,235.09	11,578.25	7,169.03	78.94	77.62	-85.14	-991.53	4,547.79	779.97	625.12	154.85	5.037	
11,900.00	7,235.24	11,678.25	7,169.29	80.54	79.25	-85.15	-991.24	4,647.79	780.38	622.28	158.10	4.936	
12,000.00	7,235.39	11,778.24	7,169.54	82.14	80.88	-85.16	-990.94	4,747.79	780.79	619.44	161.35	4.839	
12,100.00	7,235.55	11,906.56	7,169.87	83.75	82.97	-85.16	-992.46	4,876.09	779.82	614.24	165.59	4.709	
12,200.00	7,235.70	12,013.81	7,170.14	85.36	84.73	-85.14	-996.94	4,983.24	775.76	606.70	169.06	4.589	
12,300.00	7,235.85	12,113.73	7,170.39	86.97	86.37	-85.13	-1,001.23	5,083.07	771.60	599.29	172.31	4.478	
12,400.00	7,236.00	12,213.64	7,170.65	88.59	88.01	-85.11	-1,005.51	5,182.89	767.44	591.88	175.57	4.371	
12,500.00	7,236.16	12,313.55	7,170.90	90.20	89.65	-85.09	-1,009.80	5,282.71	763.29	584.46	178.83	4.268	
12,600.00	7,236.31	12,413.47	7,171.16	91.82	91.29	-85.07	-1,014.09	5,382.53	759.13	577.04	182.09	4.169	
12,700.00	7,236.46	12,513.38	7,171.41	93.44	92.94	-85.05	-1,018.37	5,482.35	754.97	569.62	185.35	4.073	
12,800.00	7,236.62	12,613.29	7,171.67	95.06	94.58	-85.03	-1,022.66	5,582.17	750.81	562.20	188.62	3.981	
12,900.00	7,236.76	12,713.18	7,171.92	96.68	96.23	-85.00	-1,026.95	5,681.96	746.03	554.16	191.88	3.888	
13,000.00	7,236.89	12,813.04	7,172.18	98.30	97.87	-84.98	-1,031.23	5,781.73	740.74	545.60	195.14	3.796	
13,100.00	7,237.03	12,912.89	7,172.43	99.93	99.52	-84.95	-1,035.52	5,881.49	735.44	537.03	198.41	3.707	
13,200.00	7,237.17	13,012.75	7,172.68	101.55	101.17	-84.92	-1,039.80	5,981.26	730.15	528.47	201.67	3.620	
13,300.00	7,237.30	13,112.61	7,172.94	103.18	102.82	-84.89	-1,044.08	6,081.03	724.85	519.91	204.94	3.537	
13,400.00	7,237.44	13,212.47	7,173.19	104.81	104.47	-84.87	-1,048.37	6,180.80	719.56	511.34	208.21	3.456	
13,500.00	7,237.57	13,290.64	7,173.39	106.43	105.76	-84.85	-1,050.40	6,258.94	715.91	505.16	210.75	3.397	
13,581.39	7,237.68	13,355.82	7,173.56	107.76	106.83	-84.85	-1,050.47	6,324.11	714.99	502.24	212.75	3.361	
13,600.00	7,237.71	13,370.72	7,173.60	108.06	107.07	-84.86	-1,050.28	6,339.01	715.04	501.84	213.20	3.354	
13,700.00	7,237.84	13,450.78	7,173.80	109.70	108.38	-84.87	-1,047.92	6,419.03	716.95	501.46	215.49	3.327	
13,800.00	7,237.98	13,548.89	7,174.05	111.33	109.99	-84.91	-1,043.42	6,517.04	720.49	501.82	218.68	3.295	
13,900.00	7,238.11	13,648.82	7,174.30	112.96	111.62	-84.94	-1,038.83	6,616.87	724.05	502.08	221.97	3.262	
14,000.00	7,238.25	13,748.76	7,174.55	114.60	113.25	-84.98	-1,034.23	6,716.70	727.60	502.34	225.26	3.230	
14,100.00	7,238.38	13,848.69	7,174.81	116.23	114.89	-85.01	-1,029.64	6,816.53	731.16	502.60	228.56	3.199	
14,200.00	7,238.52	13,948.63	7,175.06	117.87	116.53	-85.04	-1,025.05	6,916.36	734.72	502.86	231.86	3.169	
14,300.00	7,238.66	14,048.57	7,175.31	119.51	118.16	-85.08	-1,020.45	7,016.19	738.28	503.12	235.15	3.140	
14,400.00	7,238.79	14,148.50	7,175.57	121.15	119.80	-85.11	-1,015.86	7,116.02	741.83	503.38	238.45	3.111	
14,500.00	7,238.93	14,248.44	7,175.82	122.78	121.44	-85.14	-1,011.27	7,215.85	745.39	503.64	241.75	3.083	
14,600.00	7,239.06	14,348.37	7,176.07	124.42	123.08	-85.18	-1,006.67	7,315.68	748.95	503.90	245.05	3.056	
14,700.00	7,239.20	14,448.31	7,176.32	126.07	124.72	-85.21	-1,002.08	7,415.51	752.51	504.15	248.36	3.030	
14,800.00	7,239.33	14,548.24	7,176.58	127.71	126.36	-85.24	-997.49	7,515.34	756.07	504.41	251.66	3.004	
14,900.00	7,239.47	14,663.78	7,176.87	129.35	128.26	-85.27	-992.79	7,630.77	759.18	503.43	255.75	2.968	
15,000.00	7,239.60	14,788.71	7,177.19	130.99	130.32	-85.28	-992.18	7,755.70	758.54	498.45	260.09	2.916	
15,100.00	7,239.74	14,888.70	7,177.44	132.64	131.98	-85.28	-992.94	7,855.68	756.76	493.37	263.39	2.873	
15,200.00	7,239.87	14,988.68	7,177.69	134.28	133.64	-85.27	-993.70	7,955.66	754.98	488.29	266.70	2.831	
15,300.00	7,240.01	15,088.67	7,177.95	135.93	135.29	-85.27	-994.46	8,055.64	753.20	483.20	270.00	2.790	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,240.14	15,188.65	7,178.20	137.57	136.95	-85.27	-995.22	8,155.62	751.42	478.12	273.30	2.749	
15,500.00	7,240.28	15,288.64	7,178.45	139.22	138.61	-85.27	-995.98	8,255.60	749.64	473.03	276.61	2.710	
15,600.00	7,240.42	15,388.62	7,178.71	140.87	140.27	-85.26	-996.74	8,355.58	747.86	467.95	279.92	2.672	
15,700.00	7,240.55	15,488.60	7,178.96	142.51	141.93	-85.26	-997.49	8,455.56	746.08	462.86	283.22	2.634	
15,800.00	7,240.69	15,588.59	7,179.21	144.16	143.59	-85.26	-998.25	8,555.54	744.31	457.78	286.53	2.598	
15,900.00	7,240.82	15,688.57	7,179.47	145.81	145.25	-85.26	-999.01	8,655.53	742.53	452.69	289.84	2.562	
16,000.00	7,240.96	15,788.56	7,179.72	147.46	146.90	-85.26	-999.77	8,755.51	740.75	447.60	293.15	2.527	
16,100.00	7,241.09	15,888.54	7,179.97	149.11	148.56	-85.25	-1,000.53	8,855.49	738.97	442.51	296.46	2.493	
16,200.00	7,241.23	15,988.52	7,180.23	150.76	150.22	-85.25	-1,001.29	8,955.47	737.19	437.42	299.77	2.459	
16,300.00	7,241.36	16,088.51	7,180.48	152.41	151.89	-85.25	-1,002.05	9,055.45	735.41	432.33	303.08	2.426	
16,400.00	7,241.50	16,188.49	7,180.73	154.06	153.55	-85.25	-1,002.81	9,155.43	733.63	427.24	306.39	2.394	
16,500.00	7,241.63	16,288.48	7,180.98	155.71	155.21	-85.24	-1,003.57	9,255.41	731.85	422.15	309.70	2.363	
16,600.00	7,241.77	16,388.46	7,181.24	157.36	156.87	-85.24	-1,004.33	9,355.39	730.07	417.06	313.01	2.332	
16,700.00	7,241.91	16,488.44	7,181.49	159.01	158.53	-85.24	-1,005.09	9,455.37	728.29	411.97	316.32	2.302	
16,800.00	7,242.04	16,588.43	7,181.74	160.67	160.19	-85.24	-1,005.85	9,555.35	726.51	406.88	319.64	2.273	
16,900.00	7,242.18	16,688.41	7,182.00	162.32	161.85	-85.23	-1,006.61	9,655.34	724.73	401.78	322.95	2.244	
17,000.00	7,242.31	16,788.40	7,182.25	163.97	163.51	-85.23	-1,007.37	9,755.32	722.95	396.69	326.26	2.216	
17,100.00	7,242.45	16,888.38	7,182.50	165.63	165.18	-85.23	-1,008.13	9,855.30	721.17	391.60	329.58	2.188	
17,200.00	7,242.58	16,988.37	7,182.76	167.28	166.84	-85.23	-1,008.89	9,955.28	719.39	386.50	332.89	2.161	
17,300.00	7,242.72	17,088.35	7,183.01	168.93	168.50	-85.23	-1,009.65	10,055.26	717.61	381.41	336.21	2.134	
17,400.00	7,242.85	17,188.33	7,183.26	170.59	170.17	-85.22	-1,010.41	10,155.24	715.83	376.31	339.52	2.108	
17,500.00	7,242.99	17,288.32	7,183.52	172.24	171.83	-85.22	-1,011.16	10,255.22	714.05	371.22	342.84	2.083	
17,600.00	7,243.12	17,388.30	7,183.77	173.90	173.49	-85.22	-1,011.92	10,355.20	712.28	366.12	346.15	2.058	
17,700.00	7,243.26	17,488.29	7,184.02	175.55	175.15	-85.22	-1,012.68	10,455.18	710.50	361.03	349.47	2.033	
17,800.00	7,243.39	17,588.27	7,184.28	177.21	176.82	-85.21	-1,013.44	10,555.16	708.72	355.93	352.79	2.009	
17,900.00	7,243.53	17,688.25	7,184.53	178.87	178.48	-85.21	-1,014.20	10,655.14	706.94	350.83	356.10	1.985	
18,000.00	7,243.67	17,788.24	7,184.78	180.52	180.15	-85.21	-1,014.96	10,755.13	705.16	345.74	359.42	1.962	
18,100.00	7,243.80	17,888.22	7,185.04	182.18	181.81	-85.21	-1,015.72	10,855.11	703.38	340.64	362.74	1.939	
18,200.00	7,243.94	17,988.21	7,185.29	183.83	183.47	-85.20	-1,016.48	10,955.09	701.60	335.54	366.06	1.917	
18,300.00	7,244.07	18,088.19	7,185.54	185.49	185.14	-85.20	-1,017.24	11,055.07	699.82	330.44	369.37	1.895	
18,400.00	7,244.21	18,188.18	7,185.80	187.15	186.80	-85.20	-1,018.00	11,155.05	698.04	325.35	372.69	1.873	
18,500.00	7,244.34	18,288.16	7,186.05	188.81	188.47	-85.20	-1,018.76	11,255.03	696.26	320.25	376.01	1.852	
18,600.00	7,244.48	18,388.14	7,186.30	190.46	190.13	-85.19	-1,019.52	11,355.01	694.48	315.15	379.33	1.831	
18,700.00	7,244.61	18,488.13	7,186.56	192.12	191.80	-85.19	-1,020.28	11,454.99	692.70	310.05	382.65	1.810	
18,800.00	7,244.75	18,588.11	7,186.81	193.78	193.46	-85.19	-1,021.04	11,554.97	690.92	304.95	385.97	1.790	
18,900.00	7,244.88	18,688.10	7,187.06	195.44	195.13	-85.18	-1,021.80	11,654.95	689.14	299.85	389.29	1.770	
19,000.00	7,245.02	18,788.08	7,187.32	197.10	196.79	-85.18	-1,022.56	11,754.94	687.36	294.75	392.61	1.751	
19,100.00	7,245.16	18,888.06	7,187.57	198.76	198.46	-85.18	-1,023.32	11,854.92	685.58	289.65	395.93	1.732	
19,200.00	7,245.29	18,988.05	7,187.82	200.41	200.12	-85.18	-1,024.08	11,954.90	683.80	284.55	399.25	1.713	
19,300.00	7,245.43	19,088.03	7,188.08	202.07	201.79	-85.17	-1,024.84	12,054.88	682.03	279.45	402.57	1.694	
19,400.00	7,245.56	19,188.02	7,188.33	203.73	203.45	-85.17	-1,025.59	12,154.86	680.25	274.35	405.89	1.676	
19,500.00	7,245.70	19,288.00	7,188.58	205.39	205.12	-85.17	-1,026.35	12,254.84	678.47	269.25	409.21	1.658	
19,600.00	7,245.83	19,387.99	7,188.84	207.05	206.79	-85.17	-1,027.11	12,354.82	676.69	264.15	412.53	1.640	
19,700.00	7,245.97	19,487.97	7,189.09	208.71	208.45	-85.16	-1,027.87	12,454.80	674.91	259.05	415.86	1.623	
19,800.00	7,246.10	19,587.95	7,189.34	210.37	210.12	-85.16	-1,028.63	12,554.78	673.13	253.95	419.18	1.606	
19,900.00	7,246.24	19,687.94	7,189.60	212.03	211.78	-85.16	-1,029.39	12,654.76	671.35	248.85	422.50	1.589	
20,000.00	7,246.37	19,787.92	7,189.85	213.69	213.45	-85.16	-1,030.15	12,754.74	669.57	243.75	425.82	1.572	
20,100.00	7,246.51	19,887.91	7,190.10	215.35	215.12	-85.15	-1,030.91	12,854.73	667.79	238.65	429.14	1.556	
20,200.00	7,246.64	19,987.89	7,190.36	217.01	216.78	-85.15	-1,031.67	12,954.71	666.01	233.54	432.47	1.540	
20,300.00	7,246.78	20,087.87	7,190.61	218.67	218.45	-85.15	-1,032.43	13,054.69	664.23	228.44	435.79	1.524	
20,400.00	7,246.92	20,187.86	7,190.86	220.34	220.12	-85.14	-1,033.19	13,154.67	662.45	223.34	439.11	1.509	
20,462.76	7,247.00	20,242.80	7,191.00	221.42	221.04	-85.14	-1,033.61	13,209.60	661.38	220.51	440.87	1.500	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	40.08	-0.28	40.08				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	40.08	-0.28	40.08	32.55	7.53	5.323	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	40.08	-0.28	40.08	32.50	7.57	5.292	
300.00	299.98	301.42	301.39	3.34	3.35	177.12	38.28	-0.38	40.05	32.40	7.65	5.236	
400.00	399.84	402.83	402.66	3.40	3.41	177.03	32.91	-0.67	39.98	32.23	7.75	5.157	
500.00	499.45	504.24	503.67	3.49	3.49	176.87	23.96	-1.15	39.87	31.97	7.89	5.050	
600.00	598.70	605.65	604.29	3.60	3.61	176.65	11.45	-1.83	39.70	31.63	8.07	4.917	
700.00	697.47	707.04	704.40	3.75	3.76	176.37	-4.61	-2.70	39.49	31.20	8.29	4.761	
734.57	731.48	742.00	738.77	3.82	3.83	176.26	-10.96	-3.04	39.42	31.04	8.38	4.702	CC
800.00	795.62	807.42	803.06	3.95	3.96	176.13	-23.09	-3.70	40.16	31.58	8.59	4.678	
900.00	893.06	907.33	901.23	4.19	4.18	176.20	-41.61	-4.70	44.18	35.25	8.93	4.946	
1,000.00	989.79	1,007.09	999.26	4.48	4.43	176.48	-60.11	-5.70	51.11	41.78	9.32	5.481	
1,100.00	1,086.45	1,106.83	1,097.26	4.80	4.70	176.71	-78.60	-6.71	58.34	48.60	9.75	5.986	
1,200.00	1,183.11	1,206.57	1,195.27	5.15	4.99	176.89	-97.09	-7.71	65.58	55.38	10.20	6.431	
1,300.00	1,279.77	1,306.31	1,293.27	5.52	5.29	177.03	-115.58	-8.71	72.82	62.15	10.68	6.821	
1,400.00	1,376.43	1,406.04	1,391.27	5.90	5.61	177.15	-134.07	-9.71	80.06	68.89	11.17	7.165	
1,500.00	1,473.09	1,505.78	1,489.28	6.30	5.93	177.25	-152.56	-10.71	87.30	75.61	11.69	7.466	
1,600.00	1,569.75	1,605.52	1,587.28	6.72	6.27	177.33	-171.05	-11.71	94.54	82.31	12.23	7.732	
1,700.00	1,666.41	1,705.26	1,685.28	7.14	6.61	177.40	-189.54	-12.71	101.78	89.00	12.78	7.967	
1,800.00	1,763.07	1,804.99	1,783.29	7.57	6.95	177.46	-208.03	-13.72	109.02	95.69	13.33	8.179	
1,900.00	1,859.73	1,904.73	1,881.29	7.81	7.13	177.52	-226.52	-14.72	116.26	103.02	13.24	8.782	
2,000.00	1,956.39	2,004.47	1,979.29	7.87	7.18	177.57	-245.01	-15.72	123.50	110.23	13.27	9.304	
2,100.00	2,053.05	2,104.21	2,077.30	7.96	7.24	177.61	-263.51	-16.72	130.74	117.39	13.35	9.795	
2,200.00	2,149.71	2,203.94	2,175.30	8.07	7.32	177.65	-282.00	-17.72	137.98	124.53	13.45	10.255	
2,300.00	2,246.37	2,303.68	2,273.30	8.19	7.42	177.68	-300.49	-18.72	145.22	131.63	13.60	10.682	
2,400.00	2,343.03	2,403.42	2,371.31	8.34	7.53	177.71	-318.98	-19.72	152.46	138.69	13.77	11.073	
2,500.00	2,439.69	2,503.16	2,469.31	8.50	7.66	177.74	-337.47	-20.73	159.70	145.73	13.97	11.428	
2,600.00	2,536.35	2,602.89	2,567.31	8.68	7.80	177.77	-355.96	-21.73	166.94	152.73	14.21	11.749	
2,700.00	2,633.01	2,702.63	2,665.32	8.88	7.96	177.79	-374.45	-22.73	174.19	159.71	14.47	12.035	
2,800.00	2,729.67	2,802.37	2,763.32	9.09	8.13	177.81	-392.94	-23.73	181.43	166.66	14.76	12.288	
2,900.00	2,826.33	2,902.11	2,861.32	9.32	8.31	177.83	-411.43	-24.73	188.67	173.59	15.08	12.510	
3,000.00	2,922.99	3,001.84	2,959.33	9.56	8.50	177.85	-429.92	-25.73	195.91	180.49	15.42	12.704	
3,100.00	3,019.65	3,101.58	3,057.33	9.81	8.70	177.87	-448.41	-26.73	203.15	187.37	15.78	12.872	
3,200.00	3,116.31	3,201.32	3,155.33	10.07	8.91	177.88	-466.90	-27.74	210.39	194.22	16.17	13.015	
3,300.00	3,212.97	3,301.06	3,253.34	10.34	9.14	177.90	-485.40	-28.74	217.63	201.06	16.57	13.136	
3,400.00	3,309.63	3,400.79	3,351.34	10.63	9.37	177.91	-503.89	-29.74	224.87	207.88	16.99	13.238	
3,500.00	3,406.29	3,500.53	3,449.34	10.92	9.61	177.93	-522.38	-30.74	232.11	214.69	17.42	13.322	
3,600.00	3,502.95	3,600.27	3,547.35	11.21	9.85	177.94	-540.87	-31.74	239.35	221.48	17.87	13.391	
3,700.00	3,599.61	3,700.01	3,645.35	11.52	10.11	177.95	-559.36	-32.74	246.59	228.25	18.34	13.446	
3,800.00	3,696.27	3,799.74	3,743.35	11.83	10.36	177.96	-577.85	-33.74	253.83	235.02	18.82	13.489	
3,900.00	3,792.93	3,900.52	3,841.36	12.15	10.63	177.97	-596.34	-34.75	261.07	241.77	19.31	13.520	
4,000.00	3,889.59	3,999.22	3,939.36	12.48	10.90	177.98	-614.83	-35.75	268.32	248.51	19.81	13.546	
4,100.00	3,986.25	4,101.04	4,037.36	12.81	11.18	177.99	-633.32	-36.75	275.56	255.23	20.32	13.558	
4,200.00	4,082.91	4,201.31	4,135.37	13.14	11.46	178.00	-651.81	-37.75	282.80	261.95	20.85	13.566	
4,300.00	4,179.57	4,301.57	4,233.37	13.48	11.75	178.01	-670.30	-38.75	290.04	268.66	21.38	13.568	
4,400.00	4,276.23	4,401.83	4,331.37	13.83	12.04	178.01	-688.79	-39.75	297.28	275.36	21.92	13.565	
4,500.00	4,372.89	4,502.09	4,429.38	14.18	12.33	178.02	-707.28	-40.75	304.52	282.06	22.46	13.557	
4,600.00	4,469.55	4,602.36	4,527.38	14.53	12.63	178.03	-725.78	-41.76	311.76	288.75	23.02	13.546	
4,700.00	4,566.21	4,697.38	4,625.38	14.88	12.92	178.04	-744.27	-42.76	319.00	295.44	23.56	13.539	
4,800.00	4,662.87	4,797.12	4,723.39	15.24	13.22	178.04	-762.76	-43.76	326.24	302.12	24.13	13.523	
4,900.00	4,759.53	4,896.86	4,821.39	15.60	13.52	178.05	-781.25	-44.76	333.48	308.79	24.69	13.504	
5,000.00	4,856.19	5,003.41	4,919.39	15.97	13.85	178.06	-799.74	-45.76	340.72	315.44	25.29	13.474	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	4,952.86	5,103.67	5,017.40	16.33	14.16	178.06	-818.23	-46.76	347.97	322.10	25.87	13.451	
5,200.00	5,049.52	5,203.93	5,115.40	16.70	14.48	178.07	-836.72	-47.76	355.21	328.75	26.45	13.427	
5,300.00	5,146.18	5,304.19	5,213.40	17.07	14.79	178.07	-855.21	-48.77	362.45	335.40	27.04	13.402	
5,400.00	5,242.84	5,404.46	5,311.41	17.45	15.11	178.08	-873.70	-49.77	369.69	342.05	27.64	13.376	
5,500.00	5,339.50	5,504.72	5,409.41	17.82	15.43	178.08	-892.19	-50.77	376.93	348.69	28.24	13.349	
5,600.00	5,436.16	5,604.98	5,507.41	18.20	15.75	178.09	-910.68	-51.77	384.17	355.33	28.84	13.322	
5,700.00	5,532.82	5,705.24	5,605.42	18.58	16.08	178.09	-929.17	-52.77	391.41	361.97	29.44	13.295	
5,800.00	5,629.48	5,805.51	5,703.42	18.96	16.40	178.10	-947.67	-53.77	398.65	368.60	30.05	13.267	
5,900.00	5,726.14	5,905.77	5,801.42	19.34	16.73	178.10	-966.16	-54.77	405.89	375.23	30.66	13.239	
6,000.00	5,822.80	5,993.97	5,899.43	19.73	17.02	178.10	-984.65	-55.78	413.13	381.90	31.24	13.226	
6,100.00	5,919.46	6,093.71	5,997.43	20.11	17.34	178.11	-1,003.14	-56.78	420.37	388.52	31.85	13.199	
6,200.00	6,016.12	6,206.56	6,095.43	20.50	17.72	178.11	-1,021.63	-57.78	427.62	395.11	32.50	13.156	
6,300.00	6,112.78	6,306.82	6,193.44	20.89	18.05	178.12	-1,040.12	-58.78	434.86	401.73	33.12	13.128	
6,400.00	6,209.44	6,392.92	6,291.44	21.27	18.33	178.12	-1,058.61	-59.78	442.10	408.39	33.70	13.117	
6,500.00	6,306.10	6,507.34	6,389.44	21.66	18.72	178.12	-1,077.10	-60.78	449.34	414.97	34.37	13.073	
6,600.00	6,402.76	6,607.61	6,487.45	22.06	19.05	178.13	-1,095.59	-61.78	456.58	421.58	35.00	13.047	
6,700.00	6,499.42	6,692.13	6,585.45	22.45	19.33	178.13	-1,114.08	-62.79	463.82	428.24	35.58	13.037	
6,800.00	6,596.08	6,789.55	6,680.98	22.84	19.62	178.87	-1,132.00	-57.74	471.27	435.11	36.16	13.032	
6,900.00	6,692.52	6,884.19	6,772.07	23.18	19.87	-150.63	-1,148.83	-38.78	479.44	442.75	36.68	13.070	
7,000.00	6,787.02	6,976.88	6,857.69	23.49	20.11	-127.42	-1,164.41	-7.11	488.09	450.92	37.17	13.132	
7,100.00	6,877.26	7,067.92	6,936.56	23.80	20.33	-113.85	-1,178.51	35.97	496.90	459.28	37.62	13.207	
7,200.00	6,961.00	7,157.58	7,007.58	24.09	20.54	-105.42	-1,190.95	89.12	505.56	467.49	38.06	13.282	
7,300.00	7,036.18	7,246.10	7,069.87	24.36	20.74	-99.80	-1,201.59	151.01	513.73	475.22	38.51	13.340	
7,400.00	7,100.96	7,333.73	7,122.66	24.62	20.93	-95.90	-1,210.31	220.33	521.16	482.15	39.01	13.360	
7,500.00	7,153.74	7,420.70	7,165.34	24.87	21.12	-93.18	-1,217.02	295.73	527.58	487.98	39.60	13.322	
7,600.00	7,193.22	7,507.24	7,197.42	25.11	21.33	-91.38	-1,221.64	375.90	532.82	492.49	40.33	13.212	
7,700.00	7,218.43	7,593.55	7,218.50	25.39	21.59	-90.34	-1,224.13	459.49	536.70	495.49	41.22	13.021	
7,800.00	7,228.75	7,679.84	7,228.29	25.71	21.92	-89.98	-1,224.45	545.16	539.15	496.87	42.28	12.752	
7,900.00	7,229.12	7,775.30	7,229.19	26.11	22.40	-90.01	-1,222.92	640.59	540.92	497.25	43.67	12.388	
8,000.00	7,229.28	7,875.28	7,229.47	26.63	23.07	-90.02	-1,221.20	740.56	542.77	497.44	45.33	11.974	
8,100.00	7,229.43	7,975.26	7,229.74	27.27	23.87	-90.03	-1,219.47	840.52	544.62	497.45	47.17	11.546	
8,200.00	7,229.58	8,075.24	7,230.02	28.02	24.79	-90.05	-1,217.75	940.49	546.47	497.30	49.17	11.113	
8,300.00	7,229.73	8,175.23	7,230.30	28.88	25.80	-90.06	-1,216.03	1,040.46	548.32	497.00	51.32	10.685	
8,400.00	7,229.89	8,275.21	7,230.58	29.82	26.89	-90.07	-1,214.30	1,140.43	550.17	496.59	53.59	10.267	
8,500.00	7,230.04	8,375.19	7,230.85	30.84	28.04	-90.09	-1,212.58	1,240.39	552.03	496.06	55.96	9.864	
8,600.00	7,230.19	8,475.18	7,231.13	31.93	29.24	-90.10	-1,210.85	1,340.36	553.88	495.44	58.44	9.478	
8,700.00	7,230.35	8,575.16	7,231.41	33.08	30.50	-90.11	-1,209.13	1,440.33	555.73	494.73	60.99	9.111	
8,800.00	7,230.50	8,675.14	7,231.69	34.27	31.79	-90.12	-1,207.40	1,540.30	557.58	493.96	63.62	8.764	
8,900.00	7,230.65	8,775.12	7,231.96	35.51	33.12	-90.14	-1,205.68	1,640.27	559.43	493.11	66.32	8.435	
9,000.00	7,230.80	8,875.11	7,232.24	36.79	34.47	-90.15	-1,203.95	1,740.23	561.28	492.21	69.07	8.126	
9,100.00	7,230.96	8,975.09	7,232.52	38.10	35.86	-90.16	-1,202.23	1,840.20	563.13	491.26	71.87	7.835	
9,200.00	7,231.11	9,075.07	7,232.80	39.44	37.27	-90.17	-1,200.51	1,940.17	564.99	490.27	74.72	7.561	
9,300.00	7,231.26	9,175.06	7,233.07	40.80	38.70	-90.18	-1,198.78	2,040.14	566.84	489.23	77.61	7.304	
9,400.00	7,231.42	9,308.77	7,233.40	42.19	40.64	-90.20	-1,198.25	2,156.30	567.45	485.97	81.47	6.965	
9,500.00	7,231.57	9,408.78	7,233.67	43.60	42.13	-90.21	-1,199.38	2,256.29	566.45	482.01	84.44	6.708	
9,600.00	7,231.72	9,508.78	7,233.95	45.03	43.62	-90.22	-1,200.50	2,356.28	565.45	478.01	87.44	6.467	
9,700.00	7,231.88	9,608.79	7,234.23	46.48	45.13	-90.24	-1,201.63	2,456.26	564.45	473.99	90.46	6.240	
9,800.00	7,232.03	9,691.21	7,234.50	47.94	46.38	-90.25	-1,202.75	2,556.25	563.45	470.22	93.23	6.044	
9,900.00	7,232.18	9,808.80	7,234.78	49.41	48.18	-90.26	-1,203.88	2,656.24	562.45	465.89	96.57	5.825	
10,000.00	7,232.33	9,908.80	7,235.06	50.90	49.72	-90.28	-1,205.01	2,756.23	561.45	461.81	99.65	5.634	
10,100.00	7,232.49	10,008.81	7,235.33	52.39	51.27	-90.29	-1,206.13	2,856.22	560.45	457.71	102.75	5.455	
10,200.00	7,232.64	10,108.81	7,235.61	53.90	52.82	-90.30	-1,207.26	2,956.21	559.46	453.60	105.86	5.285	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,232.79	10,208.82	7,235.89	55.42	54.39	-90.32	-1,208.38	3,056.19	558.46	449.47	108.99	5.124	
10,400.00	7,232.95	10,308.82	7,236.17	56.94	55.95	-90.33	-1,209.51	3,156.18	557.46	445.33	112.13	4.972	
10,500.00	7,233.10	10,408.83	7,236.44	58.48	57.53	-90.34	-1,210.64	3,256.17	556.46	441.18	115.28	4.827	
10,600.00	7,233.25	10,508.83	7,236.72	60.02	59.11	-90.36	-1,211.76	3,356.16	555.46	437.02	118.44	4.690	
10,700.00	7,233.40	10,608.84	7,237.00	61.57	60.69	-90.37	-1,212.89	3,456.15	554.46	432.85	121.61	4.559	
10,800.00	7,233.56	10,691.16	7,237.27	63.12	62.00	-90.38	-1,214.01	3,556.14	553.46	428.95	124.51	4.445	
10,900.00	7,233.71	10,808.85	7,237.55	64.69	63.88	-90.40	-1,215.14	3,656.12	552.47	424.48	127.98	4.317	
11,000.00	7,233.86	10,908.85	7,237.83	66.25	65.47	-90.41	-1,216.27	3,756.11	551.47	420.29	131.18	4.204	
11,100.00	7,234.02	11,008.86	7,238.10	67.82	67.08	-90.42	-1,217.39	3,856.10	550.47	416.08	134.39	4.096	
11,200.00	7,234.17	11,108.86	7,238.38	69.40	68.68	-90.44	-1,218.52	3,956.09	549.47	411.87	137.60	3.993	
11,300.00	7,234.32	11,208.87	7,238.66	70.98	70.29	-90.45	-1,219.64	4,056.08	548.47	407.65	140.82	3.895	
11,400.00	7,234.47	11,308.87	7,238.93	72.56	71.90	-90.47	-1,220.77	4,156.06	547.47	403.43	144.04	3.801	
11,500.00	7,234.63	11,408.88	7,239.21	74.15	73.51	-90.48	-1,221.90	4,256.05	546.48	399.20	147.27	3.711	
11,600.00	7,234.78	11,491.12	7,239.49	75.74	74.84	-90.49	-1,223.02	4,356.04	545.48	395.26	150.22	3.631	
11,700.00	7,234.93	11,608.89	7,239.76	77.34	76.75	-90.51	-1,224.15	4,456.03	544.48	390.73	153.74	3.541	
11,800.00	7,235.09	11,708.89	7,240.04	78.94	78.37	-90.52	-1,225.27	4,556.02	543.48	386.49	156.99	3.462	
11,900.00	7,235.24	11,808.90	7,240.32	80.54	79.99	-90.54	-1,226.40	4,656.01	542.48	382.25	160.24	3.386	
12,000.00	7,235.39	11,908.90	7,240.59	82.14	81.62	-90.55	-1,227.53	4,755.99	541.48	378.00	163.49	3.312	
12,100.00	7,235.55	12,008.91	7,240.87	83.75	83.24	-90.56	-1,228.65	4,855.98	540.49	373.74	166.74	3.241	
12,200.00	7,235.70	12,108.91	7,241.15	85.36	84.87	-90.58	-1,229.78	4,955.97	539.49	369.48	170.00	3.173	
12,300.00	7,235.85	12,208.92	7,241.43	86.97	86.50	-90.59	-1,230.90	5,055.96	538.49	365.22	173.27	3.108	
12,400.00	7,236.00	12,308.92	7,241.70	88.59	88.13	-90.61	-1,232.03	5,155.95	537.49	360.96	176.53	3.045	
12,500.00	7,236.16	12,408.93	7,241.98	90.20	89.77	-90.62	-1,233.15	5,255.93	536.49	356.69	179.80	2.984	
12,600.00	7,236.31	12,508.93	7,242.26	91.82	91.40	-90.64	-1,234.28	5,355.92	535.50	352.42	183.07	2.925	
12,700.00	7,236.46	12,608.94	7,242.53	93.44	93.04	-90.65	-1,235.41	5,455.91	534.50	348.15	186.35	2.868	
12,800.00	7,236.62	12,708.94	7,242.81	95.06	94.68	-90.66	-1,236.53	5,555.90	533.50	343.88	189.62	2.813	
12,900.00	7,236.76	12,808.96	7,243.09	96.68	96.32	-90.68	-1,237.66	5,655.88	531.88	338.98	192.90	2.757	
13,000.00	7,236.89	12,908.98	7,243.36	98.30	97.96	-90.70	-1,238.78	5,755.85	529.74	333.56	196.18	2.700	
13,100.00	7,237.03	13,009.01	7,243.64	99.93	99.60	-90.72	-1,239.91	5,855.82	527.60	328.14	199.46	2.645	
13,200.00	7,237.17	13,109.03	7,243.92	101.55	101.24	-90.73	-1,241.04	5,955.79	525.46	322.71	202.75	2.592	
13,300.00	7,237.30	13,209.05	7,244.19	103.18	102.88	-90.75	-1,242.16	6,055.76	523.32	317.28	206.03	2.540	
13,400.00	7,237.44	13,309.07	7,244.47	104.81	104.53	-90.77	-1,243.29	6,155.73	521.18	311.86	209.32	2.490	
13,500.00	7,237.57	13,409.10	7,244.75	106.43	106.17	-90.79	-1,244.41	6,255.70	519.04	306.43	212.61	2.441	
13,600.00	7,237.71	13,509.12	7,245.02	108.06	107.82	-90.81	-1,245.54	6,355.67	516.90	300.99	215.90	2.394	
13,700.00	7,237.84	13,609.14	7,245.30	109.70	109.46	-90.83	-1,246.66	6,455.64	514.76	295.56	219.20	2.348	
13,800.00	7,237.98	13,709.17	7,245.58	111.33	111.11	-90.85	-1,247.79	6,555.61	512.62	290.13	222.49	2.304	
13,900.00	7,238.11	13,809.19	7,245.85	112.96	112.76	-90.87	-1,248.92	6,655.58	510.48	284.69	225.79	2.261	
14,000.00	7,238.25	13,909.21	7,246.13	114.60	114.41	-90.89	-1,250.04	6,755.55	508.34	279.25	229.09	2.219	
14,100.00	7,238.38	14,009.24	7,246.41	116.23	116.06	-90.91	-1,251.17	6,855.52	506.20	273.81	232.38	2.178	
14,200.00	7,238.52	14,109.26	7,246.68	117.87	117.71	-90.93	-1,252.29	6,955.49	504.06	268.37	235.68	2.139	
14,300.00	7,238.66	14,209.28	7,246.96	119.51	119.36	-90.95	-1,253.42	7,055.46	501.92	262.93	238.99	2.100	
14,400.00	7,238.79	14,309.30	7,247.24	121.15	121.01	-90.97	-1,254.54	7,155.43	499.78	257.49	242.29	2.063	
14,500.00	7,238.93	14,409.33	7,247.51	122.78	122.67	-90.99	-1,255.67	7,255.40	497.64	252.05	245.59	2.026	
14,600.00	7,239.06	14,509.35	7,247.79	124.42	124.32	-91.01	-1,256.80	7,355.37	495.50	246.60	248.90	1.991	
14,700.00	7,239.20	14,590.63	7,248.07	126.07	125.66	-91.03	-1,257.92	7,455.34	493.36	241.47	251.89	1.959	
14,800.00	7,239.33	14,709.40	7,248.35	127.71	127.63	-91.05	-1,259.05	7,555.31	491.22	235.71	255.51	1.923	
14,900.00	7,239.47	14,809.42	7,248.62	129.35	129.28	-91.07	-1,260.17	7,655.28	489.08	230.27	258.82	1.890	
15,000.00	7,239.60	14,909.44	7,248.90	130.99	130.93	-91.09	-1,261.30	7,755.25	486.94	224.82	262.13	1.858	
15,100.00	7,239.74	14,990.53	7,249.18	132.64	132.28	-91.11	-1,262.42	7,855.22	484.81	219.68	265.12	1.829	
15,200.00	7,239.87	15,109.49	7,249.45	134.28	134.25	-91.14	-1,263.55	7,955.19	482.67	213.92	268.75	1.796	
15,300.00	7,240.01	15,209.51	7,249.73	135.93	135.90	-91.16	-1,264.68	8,055.16	480.53	208.47	272.06	1.766	
15,400.00	7,240.14	15,309.54	7,250.01	137.57	137.56	-91.18	-1,265.80	8,155.13	478.39	203.02	275.37	1.737	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-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 Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,240.28	15,409.56	7,250.28	139.22	139.22	-91.20	-1,266.93	8,255.10	476.25	197.57	278.68	1.709	
15,600.00	7,240.42	15,509.58	7,250.56	140.87	140.87	-91.22	-1,268.05	8,355.07	474.11	192.12	281.99	1.681	
15,700.00	7,240.55	15,609.60	7,250.84	142.51	142.53	-91.25	-1,269.18	8,455.04	471.97	186.66	285.31	1.654	
15,800.00	7,240.69	15,709.63	7,251.11	144.16	144.19	-91.27	-1,270.30	8,555.01	469.83	181.21	288.62	1.628	
15,900.00	7,240.82	15,809.65	7,251.39	145.81	145.85	-91.29	-1,271.43	8,654.98	467.70	175.76	291.94	1.602	
16,000.00	7,240.96	15,890.33	7,251.67	147.46	147.19	-91.32	-1,272.56	8,754.96	465.56	170.63	294.93	1.579	
16,100.00	7,241.09	16,009.70	7,251.94	149.11	149.17	-91.34	-1,273.68	8,854.93	463.42	164.85	298.57	1.552	
16,200.00	7,241.23	16,090.28	7,252.22	150.76	150.50	-91.36	-1,274.81	8,954.90	461.28	159.72	301.56	1.530	
16,300.00	7,241.36	16,209.74	7,252.50	152.41	152.48	-91.39	-1,275.93	9,054.87	459.14	153.94	305.20	1.504	
16,400.00	7,241.50	16,309.77	7,252.77	154.06	154.14	-91.41	-1,277.06	9,154.84	457.00	148.48	308.52	1.481	Level 3
16,500.00	7,241.63	16,409.79	7,253.05	155.71	155.80	-91.44	-1,278.18	9,254.81	454.87	143.03	311.84	1.459	Level 3
16,600.00	7,241.77	16,490.19	7,253.33	157.36	157.14	-91.46	-1,279.31	9,354.78	452.73	137.90	314.83	1.438	Level 3
16,700.00	7,241.91	16,609.84	7,253.60	159.01	159.13	-91.49	-1,280.44	9,454.75	450.59	132.12	318.48	1.415	Level 3
16,800.00	7,242.04	16,709.86	7,253.88	160.67	160.79	-91.51	-1,281.56	9,554.72	448.45	126.66	321.79	1.394	Level 3
16,900.00	7,242.18	16,809.88	7,254.16	162.32	162.45	-91.54	-1,282.69	9,654.69	446.32	121.20	325.11	1.373	Level 3
17,000.00	7,242.31	16,909.90	7,254.43	163.97	164.11	-91.56	-1,283.81	9,754.66	444.18	115.74	328.43	1.352	Level 3
17,100.00	7,242.45	17,009.93	7,254.71	165.63	165.77	-91.59	-1,284.94	9,854.63	442.04	110.29	331.75	1.332	Level 3
17,200.00	7,242.58	17,090.05	7,254.99	167.28	167.10	-91.61	-1,286.06	9,954.60	439.90	105.16	334.74	1.314	Level 3
17,300.00	7,242.72	17,190.03	7,255.26	168.93	168.77	-91.64	-1,287.19	10,054.57	437.77	99.70	338.07	1.295	Level 3
17,377.62	7,242.82	17,265.31	7,255.45	170.22	170.01	-91.66	-1,287.35	10,122.64	436.81	96.63	340.19	1.284	Level 3
17,400.00	7,242.85	17,280.48	7,255.52	170.59	170.27	-91.66	-1,287.12	10,145.02	436.82	96.02	340.81	1.282	Level 3
17,500.00	7,242.99	17,380.48	7,255.79	172.24	171.92	-91.68	-1,286.06	10,245.02	436.87	92.74	344.13	1.269	Level 3
17,600.00	7,243.12	17,480.48	7,256.07	173.90	173.58	-91.70	-1,285.00	10,345.01	436.91	89.47	347.45	1.257	Level 3
17,700.00	7,243.26	17,580.48	7,256.35	175.55	175.24	-91.72	-1,283.95	10,445.00	436.96	86.19	350.77	1.246	Level 2
17,800.00	7,243.39	17,680.48	7,256.62	177.21	176.90	-91.73	-1,282.89	10,545.00	437.00	82.92	354.09	1.234	Level 2
17,900.00	7,243.53	17,780.48	7,256.90	178.87	178.56	-91.75	-1,281.83	10,644.99	437.05	79.64	357.41	1.223	Level 2
18,000.00	7,243.67	17,880.48	7,257.18	180.52	180.22	-91.77	-1,280.78	10,744.99	437.09	76.37	360.73	1.212	Level 2
18,100.00	7,243.80	17,980.48	7,257.45	182.18	181.88	-91.79	-1,279.72	10,844.98	437.14	73.09	364.05	1.201	Level 2
18,200.00	7,243.94	18,080.48	7,257.73	183.83	183.53	-91.81	-1,278.66	10,944.97	437.18	69.81	367.37	1.190	Level 2
18,300.00	7,244.07	18,180.48	7,258.01	185.49	185.19	-91.83	-1,277.61	11,044.97	437.23	66.54	370.69	1.179	Level 2
18,400.00	7,244.21	18,280.48	7,258.28	187.15	186.85	-91.84	-1,276.55	11,144.96	437.27	63.26	374.01	1.169	Level 2
18,500.00	7,244.34	18,380.48	7,258.56	188.81	188.51	-91.86	-1,275.50	11,244.96	437.32	59.98	377.33	1.159	Level 2
18,600.00	7,244.48	18,480.48	7,258.84	190.46	190.17	-91.88	-1,274.44	11,344.95	437.36	56.71	380.65	1.149	Level 2
18,700.00	7,244.61	18,580.48	7,259.11	192.12	191.83	-91.90	-1,273.38	11,444.94	437.40	53.43	383.97	1.139	Level 2
18,800.00	7,244.75	18,680.48	7,259.39	193.78	193.50	-91.92	-1,272.33	11,544.94	437.45	50.15	387.30	1.129	Level 2
18,900.00	7,244.88	18,780.48	7,259.67	195.44	195.16	-91.94	-1,271.27	11,644.93	437.49	46.88	390.62	1.120	Level 2
19,000.00	7,245.02	18,880.48	7,259.94	197.10	196.82	-91.95	-1,270.21	11,744.93	437.54	43.60	393.94	1.111	Level 2
19,100.00	7,245.16	18,980.48	7,260.22	198.76	198.48	-91.97	-1,269.16	11,844.92	437.59	40.32	397.26	1.102	Level 2
19,200.00	7,245.29	19,080.48	7,260.50	200.41	200.14	-91.99	-1,268.10	11,944.91	437.63	37.04	400.59	1.092	Level 2
19,300.00	7,245.43	19,180.48	7,260.77	202.07	201.80	-92.01	-1,267.04	12,044.91	437.68	33.77	403.91	1.084	Level 2
19,400.00	7,245.56	19,280.48	7,261.05	203.73	203.46	-92.03	-1,265.99	12,144.90	437.72	30.49	407.23	1.075	Level 2
19,500.00	7,245.70	19,380.48	7,261.33	205.39	205.12	-92.05	-1,264.93	12,244.89	437.77	27.21	410.55	1.066	Level 2
19,600.00	7,245.83	19,480.48	7,261.60	207.05	206.79	-92.06	-1,263.87	12,344.89	437.81	23.93	413.88	1.058	Level 2
19,700.00	7,245.97	19,580.48	7,261.88	208.71	208.45	-92.08	-1,262.82	12,444.88	437.86	20.66	417.20	1.050	Level 2
19,800.00	7,246.10	19,680.48	7,262.16	210.37	210.11	-92.10	-1,261.76	12,544.88	437.90	17.38	420.52	1.041	Level 2
19,900.00	7,246.24	19,780.48	7,262.44	212.03	211.77	-92.12	-1,260.70	12,644.87	437.95	14.10	423.85	1.033	Level 2
20,000.00	7,246.37	19,880.48	7,262.71	213.69	213.43	-92.14	-1,259.65	12,744.86	437.99	10.82	427.17	1.025	Level 2
20,100.00	7,246.51	19,980.48	7,262.99	215.35	215.10	-92.16	-1,258.59	12,844.86	438.04	7.54	430.50	1.018	Level 2
20,200.00	7,246.64	20,080.48	7,263.27	217.01	216.76	-92.17	-1,257.53	12,944.85	438.08	4.26	433.82	1.010	Level 2
20,300.00	7,246.78	20,180.48	7,263.54	218.67	218.42	-92.19	-1,256.48	13,044.85	438.13	0.99	437.14	1.002	Level 2
20,400.00	7,246.92	20,280.48	7,263.82	220.34	220.09	-92.21	-1,255.42	13,144.84	438.18	-2.29	440.47	0.995	Level 1
20,462.76	7,247.00	20,343.24	7,263.99	221.42	221.13	-92.22	-1,254.76	13,207.59	438.20	-4.35	442.55	0.990	Level 1, ES, SF

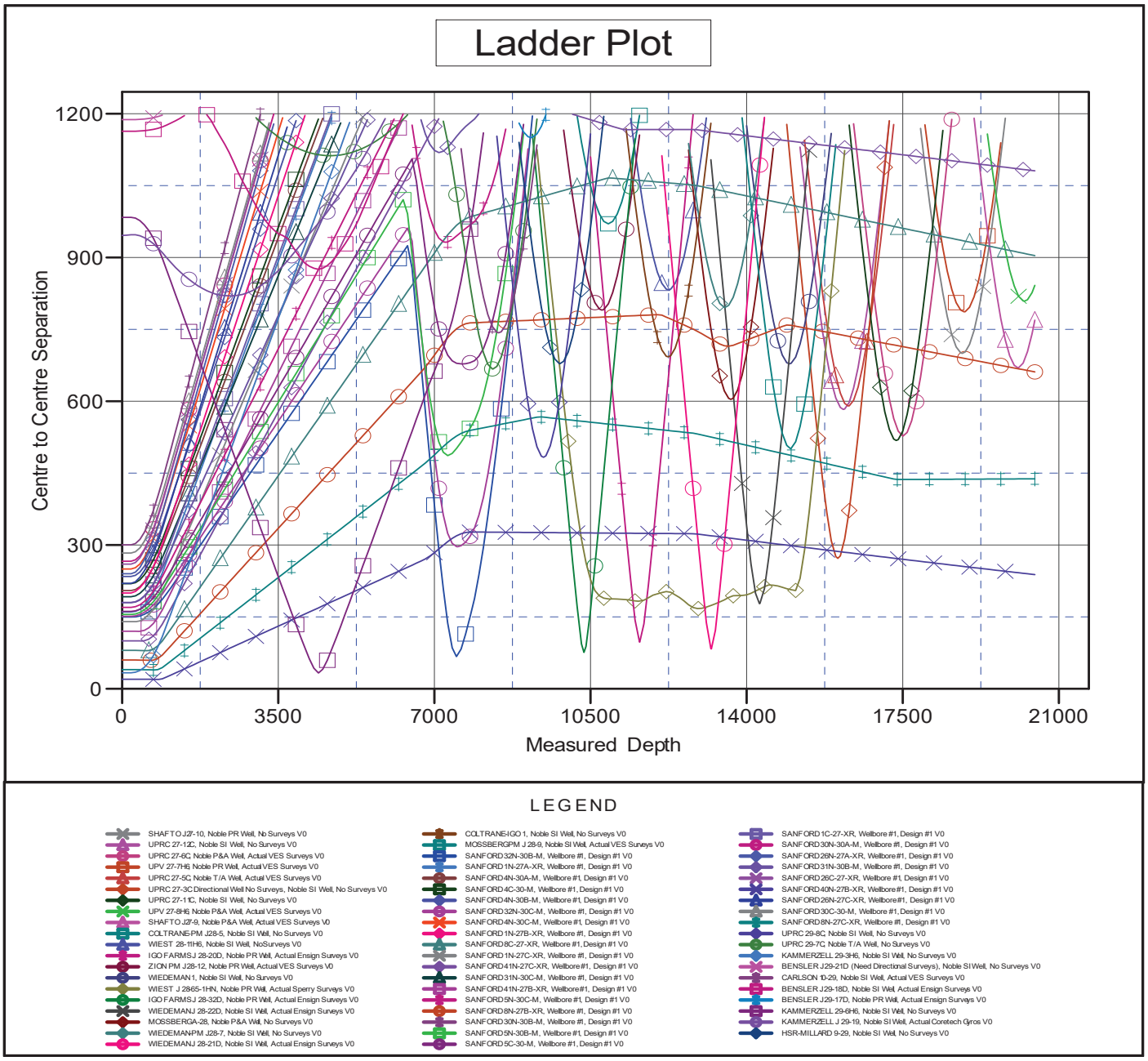
Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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 40N-27C-XR
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°



Hewlett-Packard

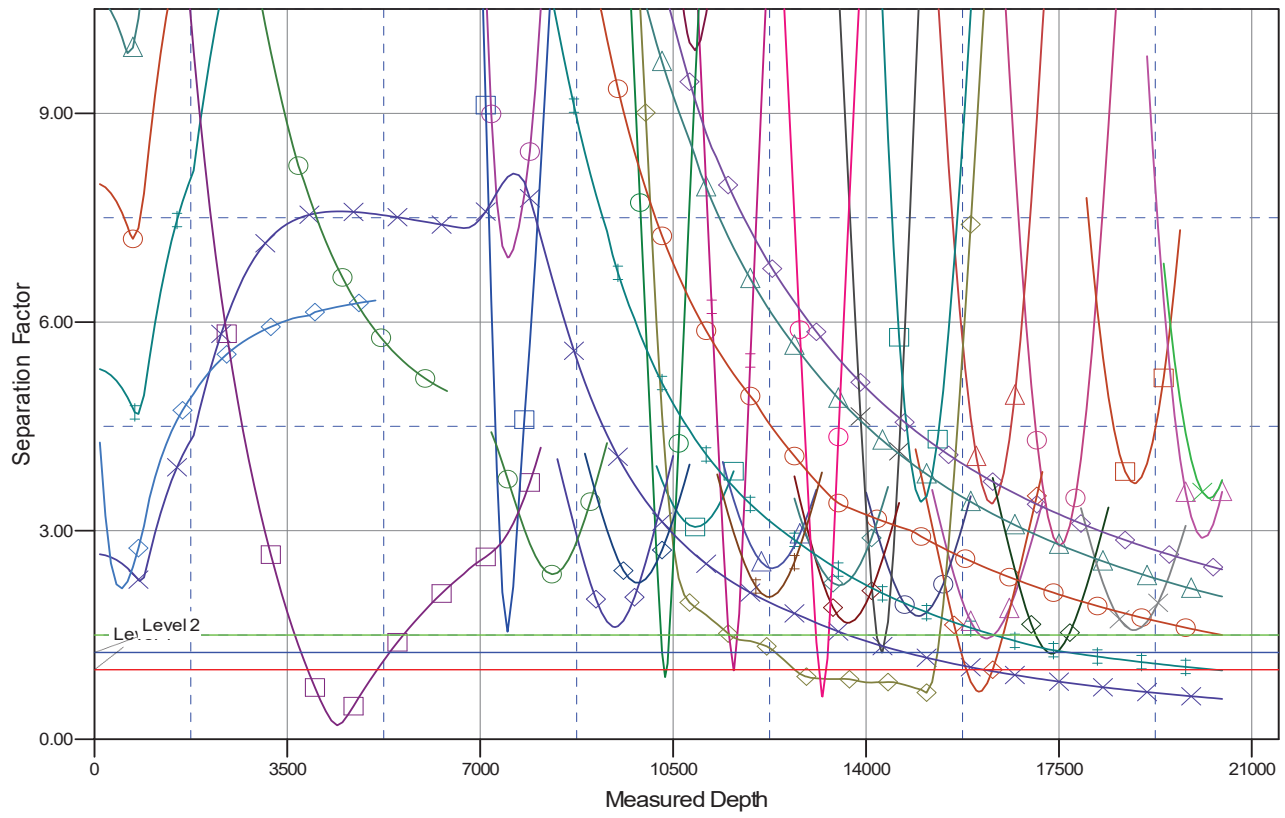
Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 40N-27C-XR
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4909.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 40N-27C-XR	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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 40N-27C-XR
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

SHAFTO J27-10, Noble PR Well, No Surveys V0
UPRC 27-12C, Noble SI Well, No Surveys V0
UPRC 27-6C, Noble P&A Well, Actual VES Surveys V0
UPV 27-7H6 Noble PR Well, Actual VES Surveys V0
UPRC 27-5C, Noble T/A Well, Actual VES Surveys V0
UPRC 27-3C Directional Well No Surveys, Noble SI Well, No Surveys V0
UPRC 27-11C, Noble SI Well, No Surveys V0
UPV 27-8H6 Noble P&A Well, Actual VES Surveys V0
SHAFTO J27-9, Noble P&A Well, Actual VES Surveys V0
COLTRANE-PM J28-5, Noble SI Well, No Surveys V0
WEST 28-11H6, Noble SI Well, NoSurveys V0
IGO FARMS J 28-20D, Noble PR Well, Actual Ensign Surveys V0
ZION PM J28-12, Noble PR Well, Actual VES Surveys V0
WIEDEMAN1, Noble SI Well, No Surveys V0
WEST J 28-65-1HN, Noble PR Well, Actual Sperry Surveys V0
IGO FARMS J 28-32D, Noble PR Well, Actual Ensign Surveys V0
WIEDEMANJ 28-22D, Noble SI Well, Actual Ensign Surveys V0
MOSSBERGA-28, Noble P&A Well, No Surveys V0
WIEDEMANPM J28-7, Noble SI Well, No Surveys V0
WIEDEMANJ 28-21D, Noble SI Well, Actual Ensign Surveys V0
COLTRANE-IGO 1, Noble SI Well, No Surveys V0
MOSSBERGPM J 28-9, Noble SI Well, Actual VES Surveys V0
SANFORD 32N-30B-M, Wellbore #1, Design #1 V0
SANFORD 1N-27A-XR, Wellbore #1, Design #1 V0
SANFORD 4N-30A-M, Wellbore #1, Design #1 V0
SANFORD 4C-30-M, Wellbore #1, Design #1 V0
SANFORD 4N-30B-M, Wellbore #1, Design #1 V0
SANFORD 32N-30C-M, Wellbore #1, Design #1 V0
SANFORD 4N-30C-M, Wellbore #1, Design #1 V0
SANFORD 1N-27B-XR, Wellbore #1, Design #1 V0
SANFORD 8C-27-XR, Wellbore #1, Design #1 V0
SANFORD 1N-27C-XR, Wellbore #1, Design #1 V0
SANFORD 41N-27C-XR, Wellbore#1, Design #1 V0
SANFORD 31N-30C-M, Wellbore #1, Design #1 V0
SANFORD 41N-27B-XR, Wellbore#1, Design #1 V0
SANFORD 5N-30C-M, Wellbore #1, Design #1 V0
SANFORD 8N-27B-XR, Wellbore #1, Design #1 V0
SANFORD 30N-30B-M, Wellbore #1, Design #1 V0
SANFORD 5N-30B-M, Wellbore #1, Design #1 V0
SANFORD 5C-30-M, Wellbore #1, Design #1 V0
SANFORD 1C-27-XR, Wellbore #1, Design #1 V0
SANFORD 30N-30A-M, Wellbore #1, Design #1 V0
SANFORD 26N-27A-XR, Wellbore#1, Design #1 V0
SANFORD 31N-30B-M, Wellbore #1, Design #1 V0
SANFORD 26C-27-XR, Wellbore #1, Design #1 V0
SANFORD 40N-27B-XR, Wellbore#1, Design #1 V0
SANFORD 26N-27C-XR, Wellbore#1, Design #1 V0
SANFORD 30C-30-M, Wellbore #1, Design #1 V0
SANFORD 8N-27C-XR, Wellbore #1, Design #1 V0
UPRC 29-8C, Noble SI Well, No Surveys V0
UPRC 29-7C, Noble T/A Well, No Surveys V0
KAMMERZELL 29-3H6, Noble SI Well, No Surveys V0
BENSLER J29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0
CARLSON 1D-29, Noble SI Well, Actual VES Surveys V0
BENSLER J29-15D, Noble SI Well, Actual Ensign Surveys V0
BENSLER J29-17D, Noble PR Well, Actual Ensign Surveys V0
KAMMERZELL 29-6H6, Noble SI Well, No Surveys V0
KAMMERZELL J 29-19, Noble SI Well, Actual Coretech Gyros V0
HSR-MILLARD 9-29, Noble SI Well, No Surveys V0