SRC ENERGY

WELD COUNTY (NAD83, TRUE NORTH)
5N-66W-29 SANFORD 21-29 PAD
SANFORD 32N-30C-M

Wellbore #1
Design #1

Anticollision Report

25 October, 2018

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference 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	15,598.93	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-29 Offsets Incomplete (Need 2 Directionals)						
BENSLER J 29-17D - Noble PR Well - Actual Ensign Su	2,158.61	2,039.95	1,056.74	1,032.05	42.809	CC, ES
BENSLER J 29-17D - Noble PR Well - Actual Ensign Su	4,600.00	4,413.12	1,198.10	1,160.23	31.638	SF
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	4,162.27	4,212.83	416.69	383.58	12.584	CC, ES
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	4,300.00	4,322.76	422.30	388.00	12.312	SF
BENSLER J 29-21D (Need Directional Surveys) - Noble	2,571.84	2,501.96	909.75	813.79	9.480	CC
BENSLER J 29-21D (Need Directional Surveys) - Noble	3,100.00	3,013.71	919.08	803.91	7.980	ES
BENSLER J 29-21D (Need Directional Surveys) - Noble	5,700.00	5,532.93	1,194.27	982.86	5.649	SF
BENSLER J 29-27D (Need Directional Surveys) - Noble	2,658.54	2,585.97	953.33	854.23	9.620	CC
BENSLER J 29-27D (Need Directional Surveys) - Noble	3,200.00	3,110.60	962.69	843.83	8.100	ES
BENSLER J 29-27D (Need Directional Surveys) - Noble	5,600.00	5,436.03	1,199.22	991.40	5.770	SF
CARLSON 10-29 - Noble SI Well - Actual VES Surveys	7,203.61	7,007.30	1,187.21	1,152.72	34.424	CC, ES
CARLSON 10-29 - Noble SI Well - Actual VES Surveys	7,300.00	7,092.66	1,191.59	1,156.90	34.349	SF
HSR-MILLARD 9-29 - Noble SI Well - No Surveys						Out of range
KAMMERZELL 1 - XOG P&A Well - No Surveys	9,675.55	7,272.60	1,093.16	795.00	3.666	CC
KAMMERZELL 1 - XOG P&A Well - No Surveys	9,700.00	7,272.57	1,093.44	794.80	3.661	ES, SF
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	200.00	201.00	175.53	165.15	16.922	CC
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	400.00	401.16	179.09	162.03	10.496	ES
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	1,800.00	1,764.10	423.19	355.08	6.214	SF
KAMMERZELL 29-4H6 - XOG PR Well - No Surveys	9,457.50	7,258.88	515.96	221.45	1.752	CC, ES, SF
KAMMERZELL 29-5 - XOG PR Well - No Surveys						Out of range
KAMMERZELL 29-6H6 - Noble SI Well - No Surveys	8,089.38	7,230.64	474.75	197.42	1.712	CC, ES, SF
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	8,933.47	7,235.48	953.88	903.40	18.898	CC, ES
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	9,000.00	7,232.12	956.19	905.21	18.758	SF
UPRC 29-7C - Noble T/A Well - No Surveys	6,317.87	6,134.60	243.57	6.64	1.028	Level 2, CC
UPRC 29-7C - Noble T/A Well - No Surveys	6,500.00	6,311.07	247.70	4.02	1.017	Level 2, ES, SF
UPRC 29-8C - Noble SI Well - No Surveys						Out of range
UPV 29-1H6 - Noble PR Well - No Surveys						Out of range
UPV 29-2H6 - Noble SI Well - No Surveys	2,862.83	2,770.91	973.62	867.32	9.159	CC
UPV 29-2H6 - Noble SI Well - No Surveys	3,400.00	3,308.61	982.64	856.00	7.760	ES
UPV 29-2H6 - Noble SI Well - No Surveys	5,600.00	5,423.03	1,185.86	978.11	5.708	SF

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Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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	200.13	201.14	219.16	211.59	28.935	CC, ES
SANFORD 1C-27-XR - Wellbore #1 - Design #1	300.00	301.26	220.75	213.09	28.846	SF
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	200.00	201.00	205.35	197.78	27.112	CC, ES
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	300.00	300.56	207.19	199.54	27.073	SF
SANFORD 1N-27B-XR - Wellbore #1 - Design #1	200.00	201.00	234.27	226.69	30.930	CC, ES, SF
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	200.97	202.03	192.12	184.54	25.362	CC, ES
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	300.00	304.08	192.92	185.27	25.205	SF
SANFORD 26C-27-XR - Wellbore #1 - Design #1	200.00	201.00	282.98	275.41	37.361	CC, ES, SF
SANFORD 26N-27A-XR - Wellbore #1 - Design #1	200.00	201.00	266.28	258.71	35.156	CC, ES, SF
SANFORD 26N-27C-XR - Wellbore #1 - Design #1	200.00	201.00	249.90	242.32	32.993	CC, ES, SF
SANFORD 30C-30-M - Wellbore #1 - Design #1	200.00	200.00	220.03	212.46	29.052	CC, ES
SANFORD 30C-30-M - Wellbore #1 - Design #1	300.00	297.51	222.11	214.46	29.010	SF
SANFORD 30N-30A-M - Wellbore #1 - Design #1	200.00	200.00	200.00	192.43	26.407	CC, ES
SANFORD 30N-30A-M - Wellbore #1 - Design #1	300.00	297.89	202.04	194.39	26.389	SF
SANFORD 30N-30B-M - Wellbore #1 - Design #1	200.00	200.00	240.08	232.50	31.698	CC, ES
SANFORD 30N-30B-M - Wellbore #1 - Design #1	300.00	296.10	242.40	234.74	31.662	SF
SANFORD 31N-30B-M - Wellbore #1 - Design #1	200.00	200.00	79.78	72.21	10.534	CC, ES
SANFORD 31N-30B-M - Wellbore #1 - Design #1	15,598.93	15,405.90	881.02	607.11	3.216	SF
SANFORD 31N-30C-M - Wellbore #1 - Design #1	200.00	200.00	99.82	92.24	13.179	CC, ES
SANFORD 31N-30C-M - Wellbore #1 - Design #1	15,598.93	15,466.60	1,098.78	824.20	4.002	SF
SANFORD 32N-30B-M - Wellbore #1 - Design #1	796.52	794.01	14.59	5.85	1.669	CC
SANFORD 32N-30B-M - Wellbore #1 - Design #1	15,598.93	15,572.13	225.42	-47.08	0.827	Level 1, ES, SF
SANFORD 40N-27B-XR - Wellbore #1 - Design #1	7,480.83	7,693.96	1.97	-40.06	0.047	Level 1, CC, ES, SF
SANFORD 40N-27C-XR - Wellbore #1 - Design #1	200.00	201.00	151.38	143.80	19.986	CC, ES
SANFORD 40N-27C-XR - Wellbore #1 - Design #1	7,800.00	7,518.90	296.58	253.81	6.934	SF
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	201.04	202.10	180.38	172.81	23.813	CC, ES
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	400.00	406.35	183.43	175.67	23.609	SF
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	200.83	201.87	169.95	162.38	22.437	CC, ES
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	400.00	405.46	173.16	165.39	22.288	SF
SANFORD 4C-30-M - Wellbore #1 - Design #1	200.00	200.00	139.89	132.32	18.470	CC, ES
SANFORD 4C-30-M - Wellbore #1 - Design #1	300.00	301.56	140.85	133.20	18.398	SF
SANFORD 4N-30A-M - Wellbore #1 - Design #1	200.00	200.00	119.86	112.29	15.825	CC, ES
SANFORD 4N-30A-M - Wellbore #1 - Design #1	300.00	301.46	120.77	113.11	15.775	SF
SANFORD 4N-30B-M - Wellbore #1 - Design #1	200.00	200.00	159.93	152.36	21.116	CC, ES
SANFORD 4N-30B-M - Wellbore #1 - Design #1	300.00	300.25	161.37	153.71	21.076	SF
SANFORD 4N-30C-M - Wellbore #1 - Design #1	200.00	200.00	179.96	172.39	23.761	CC, ES
SANFORD 4N-30C-M - Wellbore #1 - Design #1	300.00	298.86	181.79	174.14	23.743	SF
SANFORD 5C-30-M - Wellbore #1 - Design #1	200.00	200.00	40.07	32.50	5.290	CC, ES
SANFORD 5C-30-M - Wellbore #1 - Design #1	15,598.93	15,665.51	510.09	239.53	1.885	SF
SANFORD 5N-30B-M - Wellbore #1 - Design #1	200.00	200.00	20.04	12.46	2.646	CC
SANFORD 5N-30B-M - Wellbore #1 - Design #1	15,598.93	15,489.66	224.42	-44.43	0.835	Level 1, ES, SF
SANFORD 5N-30C-M - Wellbore #1 - Design #1	200.00	200.00	60.11	52.54	7.937	CC, ES
SANFORD 5N-30C-M - Wellbore #1 - Design #1	15,598.93	15,499.91	659.74	385.15	2.403	SF
SANFORD 8C-27-XR - Wellbore #1 - Design #1	200.63	201.65	161.61	154.04	21.336	CC, ES
SANFORD 8C-27-XR - Wellbore #1 - Design #1	7,400.00	7,834.09	691.56	651.13	17.108	SF
SANFORD 8N-27B-XR - Wellbore #1 - Design #1	200.38	201.39	155.15	147.57	20.483	CC, ES
SANFORD 8N-27B-XR - Wellbore #1 - Design #1	7,300.00	7,756.80	429.35	387.85	10.345	SF
SANFORD 8N-27C-XR - Wellbore #1 - Design #1	200.14	201.14	151.36	143.79	19.984	CC, ES
SANFORD 8N-27C-XR - Wellbore #1 - Design #1	7,500.00	7,698.33	228.03	186.83	5.535	SF

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Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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-30 Offsets Incomplete						
HOMYAK 1 - XOG PR Well - No Surveys						Out of range
HOMYAK 2 - XOG SI Well - No Surveys	10,925.51	7,264.00	327.56	10.52	1.033	Level 2, CC, ES, SF
LUNDVALL 3 - Noble PR Well - No Surveys	15,000.00	7,283.77	360.86	-23.25	0.939	Level 1, ES, SF
LUNDVALL 3 - Noble PR Well - No Surveys	15,001.85	7,283.77	360.86	-23.25	0.939	Level 1, CC
LUNDVALL 30-11H6 - Noble SI Well - No Surveys	13,854.85	7,257.24	1,119.26	754.99	3.073	CC
LUNDVALL 30-11H6 - Noble SI Well - No Surveys	13,900.00	7,257.18	1,120.17	754.95	3.067	ES, SF
LUNDVALL 4 - Noble PR Well - No Surveys						Out of range
LUNDVALL J 30-19 - Noble PR Well - Actual Ensign Sur	14,336.52	7,450.07	984.87	827.61	6.263	CC, ES, SF
MOSSBERG PMJ 30-10 - Noble PR Well - No Surveys	12,364.14	7,252.15	942.29	602.58	2.774	CC
MOSSBERG PMJ 30-10 - Noble PR Well - No Surveys	12,400.00	7,252.10	942.97	602.47	2.769	ES, SF
MOSSBERG-PM J30-9 - Noble PR Well - No Surveys	11,028.96	7,263.86	1,064.23	745.56	3.340	CC, ES
MOSSBERG-PM J30-9 - Noble PR Well - No Surveys	11,100.00	7,263.77	1,066.60	746.49	3.332	SF
RICKS-PM J30-12 - Noble PR Well - No Surveys	15,016.51	7,267.75	936.06	552.28	2.439	CC, ES
RICKS-PM J30-12 - Noble PR Well - No Surveys	15,100.00	7,267.64	939.78	554.45	2.439	SF
STEVE J 30-4J - Noble PR Well - Actual Multishot Surve						Out of range
STEVE J 30-6 - Noble PR Well - Actual Multishot Survey	13,547.28	7,487.82	364.92	219.26	2.505	CC, ES, SF

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-17D - Noble PR Well - Actual En

Survey Program: 100-SRC Energy_2° CONE_2.448, 517-SRC Energy_ISCWSA REV 2 MWD

Offset Site Error: 0.00 usft

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
400.00	399.84	388.84	388.84	3.41	12.22	-61.57	18.24	1,201.93	1,198.72	1,182.30	16.42	73.010	
500.00	499.45	488.40	488.40	3.49	14.99	-62.01	18.26	1,201.93	1,194.59	1,175.33	19.27	62.004	
600.00	598.70	585.96	585.96	3.60	15.49	-62.62	18.40	1,201.98	1,188.95	1,169.07	19.88	59.806	
700.00	697.47	682.45	682.45	3.76	15.49	-63.40	18.48	1,202.21	1,182.03	1,161.99	20.04	58.996	
800.00	795.62	779.55	779.55	3.96	15.50	-64.36	18.48	1,202.59	1,173.90	1,153.66	20.24	57.998	
900.00	893.06	876.93	876.92	4.21	15.52	-65.50	18.40	1,203.05	1,164.63	1,144.14	20.49	56.829	
1,000.00	989.96	977.63	977.63	4.50	15.54	-66.65	18.19	1,203.35	1,154.64	1,133.84	20.80	55.516	
1,100.00	1,086.85	1,076.32	1,076.32	4.83	15.56	-67.76	17.88	1,203.38	1,144.79	1,123.66	21.14	54.159	
1,200.00	1,183.75	1,172.86	1,172.86	5.19	15.58	-68.87	17.74	1,203.37	1,135.38	1,113.87	21.51	52.790	
1,300.00	1,280.64	1,268.58	1,268.58	5.56	15.61	-69.98	17.41	1,203.46	1,126.48	1,104.57	21.90	51.428	
1,400.00	1,377.53	1,381.82	1,381.75	5.95	15.65	-71.17	14.00	1,203.46	1,117.53	1,095.20	22.33	50.048	
1,500.00	1,474.42	1,481.23	1,480.88	6.36	15.70	-72.00	6.52	1,203.39	1,108.00	1,085.23	22.77	48.655	
1,600.00	1,571.32	1,600.57	1,599.65	6.78	15.76	-72.89	-5.04	1,203.24	1,098.36	1,075.12	23.23	47.273	
1,700.00	1,668.21	1,705.85	1,703.95	7.20	15.83	-73.50	-19.20	1,201.57	1,086.54	1,062.83	23.72	45.815	
1,800.00	1,765.10	1,794.34	1,791.27	7.64	15.90	-73.89	-33.54	1,201.21	1,075.40	1,051.18	24.22	44.397	
1,900.00	1,862.00	1,862.62	1,858.57	7.88	15.96	-74.16	-44.96	1,202.34	1,066.20	1,041.87	24.33	43.815	
2,000.00	1,958.89	1,928.66	1,923.67	7.94	16.02	-74.41	-55.61	1,205.41	1,060.09	1,035.63	24.46	43.341	
2,100.00	2,055.78	1,997.06	1,991.03	8.02	16.09	-74.67	-66.25	1,210.76	1,057.18	1,032.58	24.59	42.985	
2,158.61	2,112.57	2,039.95	2,033.29	8.08	16.13	-74.86	-72.28	1,214.88	1,056.74	1,032.05	24.68	42.809	CC, ES
2,200.00	2,152.67	2,073.47	2,066.34	8.13	16.17	-75.02	-76.65	1,218.42	1,056.93	1,032.17	24.76	42.694	
2,300.00	2,249.57	2,163.98	2,155.45	8.25	16.27	-75.43	-88.62	1,228.74	1,058.21	1,033.23	24.98	42.368	
2,400.00	2,346.46	2,253.66	2,243.45	8.39	16.40	-75.75	-101.78	1,239.90	1,060.20	1,034.97	25.23	42.020	
2,500.00	2,443.35	2,333.00	2,320.94	8.55	16.52	-75.96	-114.38	1,251.43	1,063.89	1,038.41	25.48	41.753	
2,600.00	2,540.25	2,422.69	2,408.34	8.72	16.68	-76.18	-128.31	1,265.92	1,069.24	1,043.45	25.79	41.463	
2,700.00	2,637.14	2,521.63	2,504.60	8.91	16.86	-76.38	-144.59	1,282.03	1,074.52	1,048.35	26.16	41.073	
2,800.00	2,734.03	2,615.40	2,595.25	9.12	17.07	-76.46	-161.75	1,298.74	1,080.76	1,054.21	26.56	40.698	
2,900.00	2,830.93	2,713.52	2,689.84	9.34	17.32	-76.47	-180.94	1,316.45	1,086.91	1,059.90	27.01	40.245	

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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

Survey Program: 100-SRC Energy_2° CONE_2.448, 517-SRC Energy_ISCWSA REV 2 MWD

Offset Site Error: 0.00 usft

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	2,927.82	2,810.38	2,782.70	9.57	17.61	-76.38	-201.44	1,334.81	1,093.49	1,065.99	27.50	39.763	
3,100.00	3,024.71	2,905.06	2,873.31	9.81	17.90	-76.27	-221.87	1,353.13	1,100.36	1,072.36	28.00	39.296	
3,200.00	3,121.60	3,025.32	2,988.90	10.07	18.26	-76.21	-246.82	1,375.03	1,106.29	1,077.66	28.63	38.643	
3,300.00	3,218.50	3,121.99	3,081.98	10.33	18.57	-76.18	-266.62	1,392.01	1,111.72	1,082.54	29.18	38.098	
3,400.00	3,315.39	3,226.90	3,183.15	10.61	18.92	-76.18	-287.47	1,410.33	1,117.22	1,087.44	29.78	37.515	
3,500.00	3,412.28	3,320.60	3,273.98	10.89	19.21	-76.28	-304.41	1,425.94	1,122.42	1,092.09	30.33	37.008	
3,600.00	3,509.18	3,400.04	3,351.04	11.18	19.48	-76.40	-317.68	1,439.91	1,128.91	1,098.09	30.83	36.622	
3,700.00	3,606.07	3,508.67	3,456.39	11.48	19.86	-76.60	-335.05	1,459.89	1,136.40	1,104.91	31.49	36.088	
3,800.00	3,702.96	3,611.75	3,556.44	11.78	20.23	-76.78	-351.85	1,478.16	1,143.14	1,111.00	32.14	35.562	
3,900.00	3,799.85	3,724.42	3,665.78	12.10	20.65	-76.93	-371.52	1,496.95	1,148.50	1,115.63	32.87	34.940	
4,000.00	3,896.75	3,808.01	3,746.96	12.41	20.96	-77.06	-385.49	1,511.09	1,154.37	1,120.92	33.45	34.506	
4,100.00	3,993.64	3,896.83	3,832.96	12.74	21.33	-77.18	-400.41	1,527.60	1,161.80	1,127.71	34.09	34.079	
4,200.00	4,090.53	3,995.75	3,928.38	13.07	21.77	-77.23	-418.28	1,546.55	1,169.44	1,134.62	34.82	33.587	
4,300.00	4,187.43	4,102.64	4,031.41	13.40	22.25	-77.27	-438.08	1,567.03	1,176.96	1,141.35	35.61	33.056	
4,400.00	4,284.32	4,192.60	4,118.22	13.74	22.64	-77.33	-454.34	1,584.12	1,184.44	1,148.16	36.28	32.648	
4,500.00	4,381.21	4,303.53	4,225.57	14.08	23.11	-77.46	-472.92	1,605.01	1,192.18	1,155.11	37.07	32.157	
4,600.00	4,478.11	4,413.12	4,332.02	14.42	23.57	-77.64	-491.10	1,623.61	1,198.10	1,160.23	37.87	31.638 SF	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-18D - Noble SI Well - Actual Ens

Survey Program: 100-SRC Energy_2° CONE_2.448, 554-SRC Energy_ISCWSA REV 2 MWD

Offset Site Error: 0.00 usft

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	89.15	14.96	1,013.03	1,013.20				
100.00	100.00	89.00	89.00	3.28	3.56	89.15	14.96	1,013.03	1,013.14	1,005.51	7.63	132.790	
200.00	200.00	189.00	189.00	3.31	5.73	89.15	14.96	1,013.03	1,013.14	1,003.32	9.82	103.130	
300.00	299.98	288.98	288.98	3.35	8.87	-61.30	14.96	1,013.03	1,012.30	999.30	13.00	77.852	
400.00	399.84	388.84	388.84	3.41	12.22	-61.60	14.96	1,013.03	1,009.80	993.38	16.42	61.503	
500.00	499.45	488.33	488.33	3.49	14.99	-62.11	14.98	1,013.03	1,005.68	986.41	19.27	52.202	
600.00	598.70	587.73	587.73	3.60	16.12	-62.84	15.23	1,013.04	1,000.03	979.51	20.52	48.735	
700.00	697.47	687.67	687.67	3.76	16.13	-63.77	15.15	1,012.99	992.87	972.20	20.68	48.021	
800.00	795.62	785.15	785.15	3.96	16.14	-64.88	14.91	1,012.92	984.39	963.51	20.88	47.147	
900.00	893.06	882.39	882.39	4.21	16.15	-66.23	14.85	1,012.90	974.85	953.72	21.13	46.130	
1,000.00	989.96	980.73	980.73	4.50	16.17	-67.57	14.57	1,012.82	964.80	943.36	21.44	45.005	
1,100.00	1,086.85	1,078.77	1,078.77	4.83	16.19	-68.88	13.95	1,012.65	955.11	933.33	21.78	43.856	
1,200.00	1,183.75	1,176.41	1,176.41	5.19	16.22	-70.22	13.32	1,012.40	945.87	923.72	22.15	42.702	
1,300.00	1,280.64	1,274.12	1,274.11	5.56	16.25	-71.57	12.62	1,012.10	937.11	914.55	22.55	41.553	
1,400.00	1,377.53	1,371.99	1,371.98	5.95	16.28	-72.94	11.62	1,011.77	928.81	905.83	22.97	40.428	
1,500.00	1,474.42	1,474.47	1,474.44	6.36	16.32	-74.39	10.45	1,011.10	920.73	897.31	23.42	39.311	
1,600.00	1,571.32	1,589.33	1,589.28	6.78	16.37	-76.06	8.99	1,009.33	912.43	888.55	23.88	38.207	
1,700.00	1,668.21	1,730.89	1,730.57	7.20	16.45	-78.06	4.22	1,002.34	900.90	876.58	24.32	37.043	
1,800.00	1,765.10	1,859.66	1,858.59	7.64	16.53	-79.79	-4.21	991.41	885.69	860.94	24.75	35.787	
1,900.00	1,862.00	1,996.80	1,994.28	7.88	16.64	-81.76	-14.28	974.37	867.14	842.41	24.73	35.067	
2,000.00	1,958.89	2,124.73	2,119.84	7.94	16.78	-83.54	-27.91	954.06	844.80	820.06	24.73	34.154	
2,100.00	2,055.78	2,265.02	2,256.05	8.02	16.98	-85.56	-46.39	926.16	818.34	793.68	24.66	33.185	
2,200.00	2,152.67	2,367.17	2,354.30	8.13	17.16	-87.03	-62.61	903.35	789.21	764.41	24.80	31.826	
2,300.00	2,249.57	2,453.69	2,437.34	8.25	17.32	-88.15	-78.77	885.26	760.66	735.60	25.05	30.360	
2,400.00	2,346.46	2,567.66	2,546.67	8.39	17.56	-89.71	-100.57	861.59	732.50	707.36	25.14	29.132	
2,500.00	2,443.35	2,649.74	2,625.23	8.55	17.76	-91.01	-115.73	843.31	703.60	678.12	25.48	27.610	
2,600.00	2,540.25	2,777.61	2,746.90	8.72	18.12	-93.42	-138.62	811.39	672.96	647.49	25.47	26.421	
2,700.00	2,637.14	2,868.49	2,832.82	8.91	18.42	-95.35	-155.38	786.99	641.33	615.55	25.77	24.883	
2,800.00	2,734.03	2,948.91	2,909.11	9.12	18.67	-97.22	-169.75	765.98	611.42	585.22	26.19	23.343	
2,900.00	2,830.93	3,034.04	2,990.50	9.34	18.94	-99.26	-184.72	746.01	584.63	558.05	26.59	21.990	
3,000.00	2,927.82	3,137.25	3,088.91	9.57	19.31	-101.63	-205.72	723.08	558.20	531.37	26.83	20.806	
3,100.00	3,024.71	3,225.79	3,173.13	9.81	19.65	-103.97	-223.38	702.27	531.89	504.66	27.23	19.530	
3,200.00	3,121.60	3,310.67	3,254.31	10.07	19.97	-106.64	-237.77	682.09	508.42	480.72	27.69	18.358	
3,300.00	3,218.50	3,394.87	3,335.20	10.33	20.28	-109.55	-250.67	662.61	488.03	459.84	28.18	17.317	
3,400.00	3,315.39	3,479.27	3,416.81	10.61	20.58	-112.51	-263.34	645.19	471.22	442.54	28.68	16.428	
3,500.00	3,412.28	3,572.10	3,506.95	10.89	20.91	-115.84	-276.72	627.51	457.61	428.47	29.13	15.706	
3,600.00	3,509.18	3,651.16	3,583.94	11.18	21.18	-118.78	-287.58	613.24	447.00	417.28	29.72	15.041	
3,700.00	3,606.07	3,740.23	3,671.42	11.48	21.46	-122.03	-297.78	599.96	441.66	411.43	30.23	14.611	
3,800.00	3,702.96	3,850.80	3,779.70	11.78	21.84	-126.20	-311.48	582.36	436.95	406.32	30.64	14.262	
3,900.00	3,799.85	3,966.55	3,891.20	12.10	22.36	-131.41	-328.66	556.56	429.40	398.31	31.10	13.808	
4,000.00	3,896.75	4,065.49	3,985.72	12.41	22.85	-136.24	-344.60	532.08	422.85	391.07	31.78	13.306	
4,100.00	3,993.64	4,160.14	4,075.75	12.74	23.33	-140.98	-361.41	508.19	417.75	385.19	32.56	12.829	
4,162.27	4,053.98	4,212.83	4,125.99	12.94	23.59	-143.65	-370.37	495.03	416.69	383.58	33.11	12.584	CC, ES
4,200.00	4,090.53	4,243.42	4,155.26	13.07	23.73	-145.17	-375.21	487.61	417.11	383.66	33.45	12.470	
4,300.00	4,187.43	4,322.76	4,231.71	13.40	24.09	-148.97	-386.24	469.52	422.30	388.00	34.30	12.312	SF
4,400.00	4,284.32	4,414.12	4,320.68	13.74	24.47	-152.86	-396.43	451.43	432.83	397.75	35.09	12.336	
4,500.00	4,381.21	4,503.77	4,408.10	14.08	24.83	-156.40	-406.82	434.52	445.15	409.30	35.85	12.417	
4,600.00	4,478.11	4,590.78	4,493.70	14.42	25.13	-159.26	-414.63	421.07	461.32	424.78	36.54	12.625	
4,700.00	4,575.00	4,686.38	4,588.36	14.77	25.42	-161.76	-421.73	409.79	479.60	442.42	37.18	12.899	
4,800.00	4,671.89	4,775.48	4,676.95	15.12	25.64	-163.58	-427.40	402.12	499.04	461.30	37.74	13.222	
4,900.00	4,768.78	4,870.07	4,771.20	15.48	25.85	-165.16	-431.77	395.50	520.23	481.94	38.29	13.587	
5,000.00	4,865.68	4,975.13	4,875.98	15.84	26.07	-166.62	-436.95	389.79	541.07	502.22	38.85	13.929	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-18D - Noble SI Well - Actual Ens

Survey Program: 100-SRC Energy_2° CONE_2.448, 554-SRC Energy_ISCWSA REV 2 MWD

Offset Site Error: 0.00 usft

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	4,962.57	5,073.52	4,974.18	16.20	26.25	-167.68	-442.13	386.63	561.22	521.87	39.35	14.261	
5,200.00	5,059.46	5,160.20	5,060.73	16.56	26.40	-168.48	-446.06	384.33	582.09	542.28	39.81	14.622	
5,300.00	5,156.36	5,238.59	5,139.10	16.92	26.52	-169.04	-446.77	382.61	606.16	565.96	40.20	15.079	
5,400.00	5,253.25	5,334.75	5,235.25	17.29	26.63	-169.51	-445.92	381.74	631.59	590.96	40.63	15.544	
5,500.00	5,350.14	5,433.65	5,334.15	17.66	26.74	-169.90	-444.97	381.64	656.86	615.79	41.07	15.994	
5,600.00	5,447.03	5,533.58	5,434.08	18.03	26.85	-170.23	-444.27	381.96	681.77	640.26	41.51	16.424	
5,700.00	5,543.93	5,634.35	5,534.84	18.41	26.97	-170.56	-444.17	382.23	706.19	664.23	41.96	16.831	
5,800.00	5,640.82	5,734.91	5,635.40	18.78	27.08	-170.81	-444.34	383.23	730.11	687.72	42.39	17.224	
5,900.00	5,737.71	5,835.72	5,736.16	19.16	27.18	-170.90	-444.28	386.28	753.57	710.76	42.82	17.600	
6,000.00	5,834.61	5,932.56	5,832.98	19.53	27.30	-171.09	-444.88	387.90	776.87	733.63	43.24	17.965	
6,100.00	5,931.50	6,029.19	5,929.59	19.91	27.44	-171.45	-446.38	387.25	800.17	756.47	43.70	18.309	
6,200.00	6,028.39	6,124.89	6,025.29	20.29	27.58	-171.78	-447.74	386.50	823.64	779.47	44.17	18.648	
6,300.00	6,125.29	6,224.23	6,124.62	20.68	27.72	-172.08	-448.97	386.16	847.16	802.52	44.64	18.977	
6,400.00	6,222.18	6,325.73	6,226.11	21.06	27.87	-172.34	-450.50	386.34	870.25	825.13	45.12	19.288	
6,500.00	6,319.07	6,419.12	6,319.49	21.44	28.00	-172.56	-451.87	386.72	893.32	847.75	45.57	19.604	
6,600.00	6,415.96	6,512.70	6,413.06	21.83	28.13	-172.75	-452.81	387.02	916.84	870.82	46.02	19.924	
6,700.00	6,512.86	6,610.66	6,511.01	22.21	28.27	-172.94	-453.63	387.41	940.49	894.01	46.48	20.234	
6,800.00	6,610.09	6,708.94	6,609.29	22.52	28.41	159.48	-454.49	387.95	962.56	915.66	46.90	20.522	
6,900.00	6,707.39	6,807.15	6,707.49	22.74	28.55	122.93	-455.38	388.62	978.84	931.60	47.24	20.720	
7,000.00	6,802.45	6,900.87	6,801.20	22.92	28.69	103.58	-456.22	389.31	989.41	941.91	47.49	20.834	
7,100.00	6,892.94	6,988.86	6,889.19	23.04	28.81	95.18	-456.85	389.80	995.41	947.75	47.66	20.885	
7,200.00	6,976.61	7,070.82	6,971.15	23.13	28.93	91.96	-457.28	390.17	998.30	950.53	47.77	20.899	
7,300.00	7,051.42	7,144.08	7,044.41	23.17	29.04	91.25	-457.55	390.58	999.91	952.08	47.83	20.906	
7,400.00	7,115.52	7,207.36	7,107.69	23.17	29.13	91.68	-457.70	390.99	1,002.36	954.49	47.87	20.938	
7,500.00	7,167.33	7,259.35	7,159.67	23.13	29.20	92.36	-457.84	391.35	1,007.68	959.77	47.92	21.031	
7,600.00	7,205.58	7,297.49	7,197.81	23.07	29.26	92.60	-457.97	391.62	1,017.65	969.69	47.96	21.219	
7,700.00	7,229.32	7,320.85	7,221.18	22.98	29.29	91.98	-458.06	391.79	1,033.42	985.43	47.99	21.533	
7,800.00	7,237.96	7,328.88	7,229.20	22.87	29.30	90.27	-458.09	391.85	1,055.36	1,007.36	48.00	21.988	
7,900.00	7,237.88	7,328.04	7,228.37	22.79	29.30	90.06	-458.09	391.84	1,084.37	1,036.38	47.99	22.595	
8,000.00	7,237.75	7,327.16	7,227.49	22.77	29.30	90.01	-458.09	391.84	1,121.56	1,073.56	48.01	23.363	
8,100.00	7,237.62	7,326.29	7,226.61	23.00	29.30	89.96	-458.08	391.83	1,166.17	1,118.13	48.04	24.275	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	89.07	16.77	1,037.27	1,037.46				
100.00	100.00	89.00	89.00	3.28	3.56	89.07	16.77	1,037.27	1,037.40	1,029.78	7.63	135.971	
200.00	200.00	189.00	189.00	3.31	5.73	89.07	16.77	1,037.27	1,037.40	1,027.58	9.82	105.600	
300.00	299.98	288.98	288.98	3.35	8.87	-61.38	16.77	1,037.27	1,036.57	1,023.56	13.00	79.719	
400.00	399.84	388.84	388.84	3.41	12.22	-61.67	16.77	1,037.27	1,034.07	1,017.65	16.42	62.981	
500.00	499.45	488.45	488.45	3.49	15.65	-62.17	16.77	1,037.27	1,029.95	1,010.02	19.93	51.672	
600.00	598.70	587.70	587.70	3.60	19.11	-62.87	16.77	1,037.27	1,024.30	1,000.80	23.50	43.586	
700.00	697.47	686.47	686.47	3.76	22.56	-63.78	16.77	1,037.27	1,017.20	990.10	27.11	37.525	
800.00	795.62	784.62	784.62	3.96	26.01	-64.89	16.77	1,037.27	1,008.81	978.07	30.75	32.811	
900.00	893.06	882.06	882.06	4.21	29.43	-66.20	16.77	1,037.27	999.30	964.89	34.41	29.038	
1,000.00	989.96	978.96	978.96	4.50	32.85	-67.51	16.77	1,037.27	989.34	951.22	38.11	25.957	
1,100.00	1,086.85	1,075.85	1,075.85	4.83	36.27	-68.81	16.77	1,037.27	979.88	938.03	41.85	23.414	
1,200.00	1,183.75	1,172.75	1,172.75	5.19	39.69	-70.13	16.77	1,037.27	970.97	925.35	45.62	21.285	
1,300.00	1,280.64	1,269.64	1,269.64	5.56	43.11	-71.48	16.77	1,037.27	962.60	913.19	49.41	19.482	
1,400.00	1,377.53	1,366.53	1,366.53	5.95	46.53	-72.84	16.77	1,037.27	954.80	901.58	53.23	17.939	
1,500.00	1,474.42	1,463.42	1,463.42	6.36	49.96	-74.23	16.77	1,037.27	947.59	890.53	57.06	16.608	
1,600.00	1,571.32	1,560.32	1,560.32	6.78	53.38	-75.64	16.77	1,037.27	940.97	880.07	60.90	15.450	
1,700.00	1,668.21	1,657.21	1,657.21	7.20	56.81	-77.07	16.77	1,037.27	934.96	870.19	64.76	14.437	
1,800.00	1,765.10	1,754.10	1,754.10	7.64	60.24	-78.51	16.77	1,037.27	929.56	860.93	68.63	13.544	
1,900.00	1,862.00	1,851.00	1,851.00	7.88	63.67	-79.96	16.77	1,037.27	924.80	852.70	72.10	12.826	
2,000.00	1,958.89	1,947.89	1,947.89	7.94	67.10	-81.43	16.77	1,037.27	920.68	845.08	75.60	12.178	
2,100.00	2,055.78	2,044.78	2,044.78	8.02	70.53	-82.91	16.77	1,037.27	917.20	838.08	79.12	11.592	
2,200.00	2,152.67	2,141.67	2,141.67	8.13	73.96	-84.41	16.77	1,037.27	914.39	831.73	82.66	11.062	
2,300.00	2,249.57	2,238.57	2,238.57	8.25	77.39	-85.90	16.77	1,037.27	912.23	826.02	86.21	10.581	
2,400.00	2,346.46	2,335.46	2,335.46	8.39	80.82	-87.41	16.77	1,037.27	910.74	820.95	89.79	10.143	
2,500.00	2,443.35	2,432.35	2,432.35	8.55	84.25	-88.92	16.77	1,037.27	909.92	816.55	93.38	9.745	
2,571.84	2,512.96	2,501.96	2,501.96	8.67	86.71	-90.00	16.77	1,037.27	909.75	813.79	95.96	9.480	CC
2,600.00	2,540.25	2,529.25	2,529.25	8.72	87.68	-90.42	16.77	1,037.27	909.78	812.80	96.98	9.381	
2,700.00	2,637.14	2,626.14	2,626.14	8.91	91.11	-91.93	16.77	1,037.27	910.30	809.71	100.60	9.049	
2,800.00	2,734.03	2,723.03	2,723.03	9.12	94.54	-93.44	16.77	1,037.27	911.50	807.27	104.22	8.746	
2,900.00	2,830.93	2,819.93	2,819.93	9.34	97.97	-94.94	16.77	1,037.27	913.36	805.50	107.86	8.468	
3,000.00	2,927.82	2,916.82	2,916.82	9.57	101.40	-96.44	16.77	1,037.27	915.89	804.38	111.51	8.213	
3,100.00	3,024.71	3,013.71	3,013.71	9.81	104.83	-97.92	16.77	1,037.27	919.08	803.91	115.17	7.980	ES
3,200.00	3,121.60	3,110.60	3,110.60	10.07	108.26	-99.40	16.77	1,037.27	922.92	804.09	118.83	7.767	
3,300.00	3,218.50	3,207.50	3,207.50	10.33	111.70	-100.86	16.77	1,037.27	927.41	804.90	122.51	7.570	
3,400.00	3,315.39	3,304.39	3,304.39	10.61	115.13	-102.31	16.77	1,037.27	932.52	806.34	126.18	7.390	
3,500.00	3,412.28	3,401.28	3,401.28	10.89	118.56	-103.74	16.77	1,037.27	938.27	808.40	129.86	7.225	
3,600.00	3,509.18	3,501.82	3,498.18	11.18	122.12	-105.15	16.77	1,037.27	944.62	810.94	133.68	7.066	
3,700.00	3,606.07	3,604.93	3,595.07	11.48	125.77	-106.55	16.77	1,037.27	951.58	813.99	137.59	6.916	
3,800.00	3,702.96	3,708.04	3,691.96	11.78	129.42	-107.93	16.77	1,037.27	959.12	817.62	141.51	6.778	
3,900.00	3,799.85	3,788.85	3,788.85	12.10	132.29	-109.28	16.77	1,037.27	967.24	822.61	144.63	6.688	
4,000.00	3,896.75	3,885.75	3,885.75	12.41	135.72	-110.62	16.77	1,037.27	975.92	827.59	148.33	6.579	
4,100.00	3,993.64	3,982.64	3,982.64	12.74	139.15	-111.93	16.77	1,037.27	985.14	833.11	152.03	6.480	
4,200.00	4,090.53	4,079.53	4,079.53	13.07	142.58	-113.21	16.77	1,037.27	994.89	839.16	155.74	6.388	
4,300.00	4,187.43	4,176.43	4,176.43	13.40	146.02	-114.48	16.77	1,037.27	1,005.16	845.72	159.44	6.304	
4,400.00	4,284.32	4,273.32	4,273.32	13.74	149.45	-115.71	16.77	1,037.27	1,015.92	852.78	163.15	6.227	
4,500.00	4,381.21	4,370.21	4,370.21	14.08	152.88	-116.93	16.77	1,037.27	1,027.17	860.32	166.85	6.156	
4,600.00	4,478.11	4,467.11	4,467.11	14.42	156.31	-118.11	16.77	1,037.27	1,038.89	868.32	170.56	6.091	
4,700.00	4,575.00	4,564.00	4,564.00	14.77	159.75	-119.28	16.77	1,037.27	1,051.05	876.78	174.27	6.031	
4,800.00	4,671.89	4,660.89	4,660.89	15.12	163.18	-120.41	16.77	1,037.27	1,063.66	885.67	177.98	5.976	
4,900.00	4,768.78	4,757.78	4,757.78	15.48	166.61	-121.52	16.77	1,037.27	1,076.68	894.99	181.69	5.926	
5,000.00	4,865.68	4,854.68	4,854.68	15.84	170.04	-122.60	16.77	1,037.27	1,090.11	904.70	185.40	5.880	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	4,962.57	4,951.57	4,951.57	16.20	173.48	-123.66	16.77	1,037.27	1,103.93	914.81	189.12	5.837	
5,200.00	5,059.46	5,048.46	5,048.46	16.56	176.91	-124.70	16.77	1,037.27	1,118.12	925.29	192.83	5.798	
5,300.00	5,156.36	5,145.36	5,145.36	16.92	180.34	-125.70	16.77	1,037.27	1,132.68	936.14	196.54	5.763	
5,400.00	5,253.25	5,242.25	5,242.25	17.29	183.77	-126.69	16.77	1,037.27	1,147.59	947.33	200.26	5.730	
5,500.00	5,350.14	5,339.14	5,339.14	17.66	187.21	-127.64	16.77	1,037.27	1,162.83	958.85	203.98	5.701	
5,600.00	5,447.03	5,436.03	5,436.03	18.03	190.64	-128.58	16.77	1,037.27	1,178.39	970.70	207.69	5.674	
5,700.00	5,543.93	5,532.93	5,532.93	18.41	194.07	-129.49	16.77	1,037.27	1,194.27	982.86	211.41	5.649 SF	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-27D (Need Directional Surveys)

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	88.96	19.69	1,085.75	1,085.98				
100.00	100.00	89.00	89.00	3.28	3.56	88.96	19.69	1,085.75	1,085.93	1,078.30	7.63	142.330	
200.00	200.00	189.00	189.00	3.31	5.73	88.96	19.69	1,085.75	1,085.93	1,076.10	9.82	110.539	
300.00	299.98	288.98	288.98	3.35	8.87	-61.48	19.69	1,085.75	1,085.09	1,072.09	13.00	83.450	
400.00	399.84	388.84	388.84	3.41	12.22	-61.77	19.69	1,085.75	1,082.60	1,066.18	16.42	65.937	
500.00	499.45	488.45	488.45	3.49	15.65	-62.25	19.69	1,085.75	1,078.50	1,058.57	19.93	54.108	
600.00	598.70	587.70	587.70	3.60	19.11	-62.92	19.69	1,085.75	1,072.85	1,049.35	23.50	45.652	
700.00	697.47	686.47	686.47	3.76	22.56	-63.79	19.69	1,085.75	1,065.77	1,038.66	27.11	39.317	
800.00	795.62	784.62	784.62	3.96	26.01	-64.86	19.69	1,085.75	1,057.38	1,026.63	30.75	34.391	
900.00	893.06	882.06	882.06	4.21	29.43	-66.12	19.69	1,085.75	1,047.84	1,013.43	34.41	30.448	
1,000.00	989.96	978.96	978.96	4.50	32.85	-67.37	19.69	1,085.75	1,037.84	999.72	38.11	27.230	
1,100.00	1,086.85	1,075.85	1,075.85	4.83	36.27	-68.60	19.69	1,085.75	1,028.31	986.46	41.85	24.572	
1,200.00	1,183.75	1,172.75	1,172.75	5.19	39.69	-69.86	19.69	1,085.75	1,019.30	973.68	45.62	22.345	
1,300.00	1,280.64	1,269.64	1,269.64	5.56	43.11	-71.14	19.69	1,085.75	1,010.81	961.40	49.41	20.458	
1,400.00	1,377.53	1,366.53	1,366.53	5.95	46.53	-72.44	19.69	1,085.75	1,002.86	949.64	53.22	18.843	
1,500.00	1,474.42	1,463.42	1,463.42	6.36	49.96	-73.76	19.69	1,085.75	995.46	938.41	57.05	17.448	
1,600.00	1,571.32	1,560.32	1,560.32	6.78	53.38	-75.10	19.69	1,085.75	988.62	927.72	60.90	16.234	
1,700.00	1,668.21	1,657.21	1,657.21	7.20	56.81	-76.45	19.69	1,085.75	982.36	917.60	64.76	15.170	
1,800.00	1,765.10	1,754.10	1,754.10	7.64	60.24	-77.82	19.69	1,085.75	976.69	908.06	68.63	14.232	
1,900.00	1,862.00	1,851.00	1,851.00	7.88	63.67	-79.20	19.69	1,085.75	971.61	899.51	72.10	13.476	
2,000.00	1,958.89	1,947.89	1,947.89	7.94	67.10	-80.60	19.69	1,085.75	967.14	891.54	75.60	12.793	
2,100.00	2,055.78	2,044.78	2,044.78	8.02	70.53	-82.01	19.69	1,085.75	963.28	884.17	79.12	12.176	
2,200.00	2,152.67	2,141.67	2,141.67	8.13	73.96	-83.42	19.69	1,085.75	960.05	877.39	82.65	11.615	
2,300.00	2,249.57	2,238.57	2,238.57	8.25	77.39	-84.85	19.69	1,085.75	957.44	871.23	86.21	11.106	
2,400.00	2,346.46	2,335.46	2,335.46	8.39	80.82	-86.28	19.69	1,085.75	955.47	865.68	89.79	10.642	
2,500.00	2,443.35	2,432.35	2,432.35	8.55	84.25	-87.72	19.69	1,085.75	954.13	860.76	93.38	10.218	
2,600.00	2,540.25	2,529.25	2,529.25	8.72	87.68	-89.16	19.69	1,085.75	953.44	856.45	96.98	9.831	
2,658.54	2,596.97	2,585.97	2,585.97	8.83	89.69	-90.00	19.69	1,085.75	953.33	854.23	99.10	9.620	CC
2,700.00	2,637.14	2,626.14	2,626.14	8.91	91.11	-90.60	19.69	1,085.75	953.38	852.78	100.60	9.477	
2,800.00	2,734.03	2,723.03	2,723.03	9.12	94.54	-92.04	19.69	1,085.75	953.97	849.74	104.23	9.152	
2,900.00	2,830.93	2,819.93	2,819.93	9.34	97.97	-93.47	19.69	1,085.75	955.19	847.32	107.87	8.855	
3,000.00	2,927.82	2,916.82	2,916.82	9.57	101.40	-94.91	19.69	1,085.75	957.06	845.53	111.52	8.582	
3,100.00	3,024.71	3,013.71	3,013.71	9.81	104.83	-96.33	19.69	1,085.75	959.56	844.37	115.19	8.331	
3,200.00	3,121.60	3,110.60	3,110.60	10.07	108.26	-97.75	19.69	1,085.75	962.69	843.83	118.85	8.100	ES
3,300.00	3,218.50	3,207.50	3,207.50	10.33	111.70	-99.16	19.69	1,085.75	966.44	843.91	122.53	7.887	
3,400.00	3,315.39	3,304.39	3,304.39	10.61	115.13	-100.56	19.69	1,085.75	970.80	844.59	126.21	7.692	
3,500.00	3,412.28	3,401.28	3,401.28	10.89	118.56	-101.94	19.69	1,085.75	975.78	845.88	129.90	7.512	
3,600.00	3,509.18	3,501.82	3,498.18	11.18	122.12	-103.32	19.69	1,085.75	981.35	847.63	133.72	7.339	
3,700.00	3,606.07	3,604.93	3,595.07	11.48	125.77	-104.67	19.69	1,085.75	987.51	849.88	137.64	7.175	
3,800.00	3,702.96	3,708.04	3,691.96	11.78	129.42	-106.01	19.69	1,085.75	994.25	852.70	141.56	7.024	
3,900.00	3,799.85	3,788.85	3,788.85	12.10	132.29	-107.33	19.69	1,085.75	1,001.56	856.87	144.69	6.922	
4,000.00	3,896.75	3,885.75	3,885.75	12.41	135.72	-108.64	19.69	1,085.75	1,009.41	861.02	148.39	6.802	
4,100.00	3,993.64	3,982.64	3,982.64	12.74	139.15	-109.92	19.69	1,085.75	1,017.81	865.71	152.10	6.692	
4,200.00	4,090.53	4,079.53	4,079.53	13.07	142.58	-111.18	19.69	1,085.75	1,026.74	870.93	155.81	6.590	
4,300.00	4,187.43	4,176.43	4,176.43	13.40	146.02	-112.42	19.69	1,085.75	1,036.18	876.66	159.52	6.496	
4,400.00	4,284.32	4,273.32	4,273.32	13.74	149.45	-113.64	19.69	1,085.75	1,046.11	882.89	163.23	6.409	
4,500.00	4,381.21	4,370.21	4,370.21	14.08	152.88	-114.84	19.69	1,085.75	1,056.54	889.60	166.94	6.329	
4,600.00	4,478.11	4,467.11	4,467.11	14.42	156.31	-116.01	19.69	1,085.75	1,067.43	896.78	170.65	6.255	
4,700.00	4,575.00	4,564.00	4,564.00	14.77	159.75	-117.17	19.69	1,085.75	1,078.79	904.42	174.37	6.187	
4,800.00	4,671.89	4,660.89	4,660.89	15.12	163.18	-118.29	19.69	1,085.75	1,090.58	912.50	178.08	6.124	
4,900.00	4,768.78	4,757.78	4,757.78	15.48	166.61	-119.40	19.69	1,085.75	1,102.81	921.01	181.80	6.066	
5,000.00	4,865.68	4,854.68	4,854.68	15.84	170.04	-120.48	19.69	1,085.75	1,115.45	929.93	185.51	6.013	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-27D (Need Directional Surveys)

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	4,962.57	4,951.57	4,951.57	16.20	173.48	-121.54	19.69	1,085.75	1,128.49	939.25	189.23	5.964	
5,200.00	5,059.46	5,048.46	5,048.46	16.56	176.91	-122.57	19.69	1,085.75	1,141.91	948.96	192.95	5.918	
5,300.00	5,156.36	5,145.36	5,145.36	16.92	180.34	-123.59	19.69	1,085.75	1,155.71	959.05	196.67	5.877	
5,400.00	5,253.25	5,242.25	5,242.25	17.29	183.77	-124.57	19.69	1,085.75	1,169.87	969.49	200.38	5.838	
5,500.00	5,350.14	5,339.14	5,339.14	17.66	187.21	-125.54	19.69	1,085.75	1,184.38	980.28	204.10	5.803	
5,600.00	5,447.03	5,436.03	5,436.03	18.03	190.64	-126.48	19.69	1,085.75	1,199.22	991.40	207.82	5.770	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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

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

Offset Site Error: 0.00 usft

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
7,100.00	6,892.94	6,905.94	6,905.49	23.04	15.01	-85.40	-2,542.55	1,045.46	1,191.57	1,157.29	34.28	34.761	
7,200.00	6,976.61	7,003.89	7,003.37	23.13	15.22	-93.89	-2,539.04	1,044.35	1,187.22	1,152.74	34.48	34.431	
7,203.61	6,979.48	7,007.30	7,006.78	23.13	15.22	-94.14	-2,538.90	1,044.31	1,187.21	1,152.72	34.49	34.424	CC, ES
7,300.00	7,051.42	7,092.66	7,092.03	23.17	15.40	-99.73	-2,534.77	1,043.23	1,191.59	1,156.90	34.69	34.349	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 1 - XOG 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
9,200.00	7,236.21	7,273.21	7,273.21	35.40	255.96	-90.03	-2,570.04	-1,747.91	1,192.12	904.20	287.92	4.140	
9,300.00	7,236.08	7,273.08	7,273.08	36.78	255.95	-90.03	-2,570.04	-1,747.91	1,155.87	865.86	290.02	3.986	
9,400.00	7,235.95	7,272.95	7,272.95	38.18	255.95	-90.02	-2,570.04	-1,747.91	1,127.36	835.14	292.22	3.858	
9,500.00	7,235.83	7,272.83	7,272.83	39.60	255.94	-90.01	-2,570.04	-1,747.91	1,107.17	812.72	294.45	3.760	
9,600.00	7,235.70	7,272.70	7,272.70	41.04	255.94	-90.01	-2,570.04	-1,747.91	1,095.77	799.15	296.62	3.694	
9,675.55	7,235.60	7,272.60	7,272.60	42.14	255.93	-90.00	-2,570.04	-1,747.91	1,093.16	795.00	298.16	3.666	CC
9,700.00	7,235.57	7,272.57	7,272.57	42.50	255.93	-90.00	-2,570.04	-1,747.91	1,093.44	794.80	298.63	3.661	ES, SF
9,800.00	7,235.44	7,272.44	7,272.44	43.97	255.93	-89.99	-2,570.04	-1,747.91	1,100.22	799.80	300.42	3.662	
9,900.00	7,235.31	7,272.31	7,272.31	45.46	255.92	-89.98	-2,570.04	-1,747.91	1,115.97	814.02	301.94	3.696	
10,000.00	7,235.18	7,272.18	7,272.18	46.95	255.92	-89.98	-2,570.04	-1,747.91	1,140.29	837.13	303.17	3.761	
10,100.00	7,235.06	7,272.06	7,272.06	48.46	255.92	-89.97	-2,570.04	-1,747.91	1,172.67	868.58	304.09	3.856	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-3H6 - Noble SI Well - No Surv

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	-89.88	0.36	-175.53	175.53				
100.00	100.00	101.00	99.00	3.28	3.74	-89.88	0.36	-175.53	175.53	167.71	7.82	22.448	
200.00	200.00	201.00	199.00	3.31	6.28	-89.88	0.36	-175.53	175.53	165.15	10.37	16.922	CC
300.00	299.98	301.02	298.98	3.35	9.48	120.25	0.36	-175.53	176.40	162.78	13.62	12.955	
400.00	399.84	401.16	398.84	3.41	12.87	121.64	0.36	-175.53	179.09	162.03	17.06	10.496	ES
500.00	499.45	501.55	498.45	3.49	16.33	123.87	0.36	-175.53	183.82	163.21	20.61	8.918	
600.00	598.70	602.30	597.70	3.60	19.84	126.78	0.36	-175.53	190.91	166.67	24.24	7.877	
700.00	697.47	703.53	696.47	3.76	23.39	130.18	0.36	-175.53	200.72	172.79	27.93	7.187	
800.00	795.62	805.38	794.62	3.96	26.97	133.87	0.36	-175.53	213.63	181.95	31.69	6.742	
900.00	893.06	907.94	892.06	4.21	30.58	137.65	0.36	-175.53	229.96	194.46	35.51	6.477	
1,000.00	989.96	988.96	988.96	4.50	33.43	141.39	0.36	-175.53	248.99	210.40	38.59	6.452	
1,100.00	1,086.85	1,085.85	1,085.85	4.83	36.85	144.65	0.36	-175.53	268.98	226.73	42.25	6.367	
1,200.00	1,183.75	1,182.75	1,182.75	5.19	40.27	147.46	0.36	-175.53	289.71	243.79	45.92	6.309	
1,300.00	1,280.64	1,279.64	1,279.64	5.56	43.69	149.89	0.36	-175.53	311.01	261.42	49.60	6.271	
1,400.00	1,377.53	1,376.53	1,376.53	5.95	47.12	152.01	0.36	-175.53	332.80	279.51	53.29	6.246	
1,500.00	1,474.42	1,473.42	1,473.42	6.36	50.54	153.87	0.36	-175.53	354.97	297.99	56.98	6.230	
1,600.00	1,571.32	1,570.32	1,570.32	6.78	53.97	155.52	0.36	-175.53	377.46	316.77	60.68	6.220	
1,700.00	1,668.21	1,667.21	1,667.21	7.20	57.40	156.98	0.36	-175.53	400.21	335.82	64.39	6.215	
1,800.00	1,765.10	1,764.10	1,764.10	7.64	60.82	158.28	0.36	-175.53	423.19	355.08	68.10	6.214	SF
1,900.00	1,862.00	1,861.00	1,861.00	7.88	64.25	159.45	0.36	-175.53	446.35	374.87	71.48	6.244	
2,000.00	1,958.89	1,957.89	1,957.89	7.94	67.68	160.51	0.36	-175.53	469.67	394.76	74.92	6.269	
2,100.00	2,055.78	2,054.78	2,054.78	8.02	71.11	161.46	0.36	-175.53	493.13	414.76	78.37	6.292	
2,200.00	2,152.67	2,151.67	2,151.67	8.13	74.54	162.33	0.36	-175.53	516.72	434.86	81.85	6.313	
2,300.00	2,249.57	2,248.57	2,248.57	8.25	77.97	163.13	0.36	-175.53	540.40	455.05	85.35	6.332	
2,400.00	2,346.46	2,345.46	2,345.46	8.39	81.40	163.86	0.36	-175.53	564.17	475.31	88.86	6.349	
2,500.00	2,443.35	2,442.35	2,442.35	8.55	84.83	164.52	0.36	-175.53	588.02	495.63	92.39	6.365	
2,600.00	2,540.25	2,539.25	2,539.25	8.72	88.26	165.14	0.36	-175.53	611.95	516.01	95.94	6.379	
2,700.00	2,637.14	2,636.14	2,636.14	8.91	91.69	165.71	0.36	-175.53	635.93	536.43	99.50	6.391	
2,800.00	2,734.03	2,733.03	2,733.03	9.12	95.12	166.24	0.36	-175.53	659.97	556.90	103.08	6.403	
2,900.00	2,830.93	2,829.93	2,829.93	9.34	98.55	166.73	0.36	-175.53	684.06	577.40	106.67	6.413	
3,000.00	2,927.82	2,926.82	2,926.82	9.57	101.99	167.19	0.36	-175.53	708.19	597.93	110.27	6.422	
3,100.00	3,024.71	3,023.71	3,023.71	9.81	105.42	167.62	0.36	-175.53	732.37	618.49	113.88	6.431	
3,200.00	3,121.60	3,120.60	3,120.60	10.07	108.85	168.02	0.36	-175.53	756.58	639.07	117.51	6.439	
3,300.00	3,218.50	3,217.50	3,217.50	10.33	112.28	168.40	0.36	-175.53	780.82	659.68	121.14	6.446	
3,400.00	3,315.39	3,314.39	3,314.39	10.61	115.71	168.75	0.36	-175.53	805.09	680.31	124.79	6.452	
3,500.00	3,412.28	3,411.28	3,411.28	10.89	119.14	169.08	0.36	-175.53	829.39	700.96	128.44	6.458	
3,600.00	3,509.18	3,508.18	3,508.18	11.18	122.58	169.40	0.36	-175.53	853.72	721.62	132.10	6.463	
3,700.00	3,606.07	3,605.07	3,605.07	11.48	126.01	169.69	0.36	-175.53	878.07	742.30	135.77	6.467	
3,800.00	3,702.96	3,701.96	3,701.96	11.78	129.44	169.97	0.36	-175.53	902.44	762.99	139.44	6.472	
3,900.00	3,799.85	3,801.15	3,798.85	12.10	132.95	170.24	0.36	-175.53	926.82	783.62	143.20	6.472	
4,000.00	3,896.75	3,904.25	3,895.75	12.41	136.60	170.49	0.36	-175.53	951.23	804.12	147.11	6.466	
4,100.00	3,993.64	4,007.36	3,992.64	12.74	140.26	170.73	0.36	-175.53	975.65	824.63	151.02	6.460	
4,200.00	4,090.53	4,089.53	4,089.53	13.07	143.17	170.96	0.36	-175.53	1,000.09	845.89	154.20	6.486	
4,300.00	4,187.43	4,186.43	4,186.43	13.40	146.60	171.18	0.36	-175.53	1,024.54	866.64	157.90	6.489	
4,400.00	4,284.32	4,283.32	4,283.32	13.74	150.03	171.38	0.36	-175.53	1,049.01	887.40	161.60	6.491	
4,500.00	4,381.21	4,380.21	4,380.21	14.08	153.46	171.58	0.36	-175.53	1,073.48	908.17	165.31	6.494	
4,600.00	4,478.11	4,477.11	4,477.11	14.42	156.90	171.77	0.36	-175.53	1,097.97	928.95	169.03	6.496	
4,700.00	4,575.00	4,574.00	4,574.00	14.77	160.33	171.95	0.36	-175.53	1,122.47	949.73	172.74	6.498	
4,800.00	4,671.89	4,670.89	4,670.89	15.12	163.76	172.12	0.36	-175.53	1,146.98	970.52	176.46	6.500	
4,900.00	4,768.78	4,767.78	4,767.78	15.48	167.19	172.29	0.36	-175.53	1,171.50	991.32	180.19	6.502	
5,000.00	4,865.68	4,864.68	4,864.68	15.84	170.63	172.45	0.36	-175.53	1,196.03	1,012.12	183.91	6.503	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-4H6 - XOG PR Well - No Sur

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	7,237.24	7,260.24	7,260.24	25.56	255.50	90.15	-961.33	-1,526.85	1,176.65	896.37	280.28	4.198	
8,500.00	7,237.11	7,260.11	7,260.11	26.63	255.49	90.14	-961.33	-1,526.85	1,087.66	806.77	280.89	3.872	
8,600.00	7,236.98	7,259.98	7,259.98	27.75	255.49	90.12	-961.33	-1,526.85	1,000.76	719.11	281.64	3.553	
8,700.00	7,236.85	7,259.85	7,259.85	28.93	255.48	90.11	-961.33	-1,526.85	916.52	633.95	282.57	3.243	
8,800.00	7,236.72	7,259.72	7,259.72	30.15	255.48	90.09	-961.33	-1,526.85	835.77	552.04	283.73	2.946	
8,900.00	7,236.60	7,259.60	7,259.60	31.42	255.47	90.08	-961.33	-1,526.85	759.61	474.48	285.14	2.664	
9,000.00	7,236.47	7,259.47	7,259.47	32.71	255.47	90.07	-961.33	-1,526.85	689.58	402.75	286.83	2.404	
9,100.00	7,236.34	7,259.34	7,259.34	34.04	255.47	90.05	-961.33	-1,526.85	627.71	338.94	288.77	2.174	
9,200.00	7,236.21	7,259.21	7,259.21	35.40	255.46	90.04	-961.33	-1,526.85	576.64	285.82	290.83	1.983	
9,300.00	7,236.08	7,259.08	7,259.08	36.78	255.46	90.02	-961.33	-1,526.85	539.46	246.73	292.73	1.843	
9,400.00	7,235.95	7,258.95	7,258.95	38.18	255.45	90.01	-961.33	-1,526.85	519.15	225.04	294.11	1.765	
9,457.50	7,235.88	7,258.88	7,258.88	39.00	255.45	90.00	-961.33	-1,526.85	515.96	221.45	294.51	1.752	CC, ES, SF
9,500.00	7,235.83	7,258.83	7,258.83	39.60	255.45	89.99	-961.33	-1,526.85	517.70	223.11	294.60	1.757	
9,600.00	7,235.70	7,258.70	7,258.70	41.04	255.44	89.98	-961.33	-1,526.85	535.27	241.15	294.13	1.820	
9,700.00	7,235.57	7,258.57	7,258.57	42.50	255.44	89.97	-961.33	-1,526.85	570.10	277.18	292.93	1.946	
9,800.00	7,235.44	7,258.44	7,258.44	43.97	255.43	89.95	-961.33	-1,526.85	619.29	327.94	291.35	2.126	
9,900.00	7,235.31	7,258.31	7,258.31	45.46	255.43	89.94	-961.33	-1,526.85	679.72	390.01	289.71	2.346	
10,000.00	7,235.18	7,258.18	7,258.18	46.95	255.42	89.92	-961.33	-1,526.85	748.68	460.50	288.18	2.598	
10,100.00	7,235.06	7,258.06	7,258.06	48.46	255.42	89.91	-961.33	-1,526.85	824.03	537.19	286.83	2.873	
10,200.00	7,234.93	7,257.93	7,257.93	49.98	255.42	89.89	-961.33	-1,526.85	904.17	618.48	285.69	3.165	
10,300.00	7,234.80	7,257.80	7,257.80	51.51	255.41	89.88	-961.33	-1,526.85	987.94	703.21	284.73	3.470	
10,400.00	7,234.67	7,257.67	7,257.67	53.04	255.41	89.87	-961.33	-1,526.85	1,074.49	790.56	283.93	3.784	
10,500.00	7,234.54	7,257.54	7,257.54	54.59	255.40	89.85	-961.33	-1,526.85	1,163.19	879.93	283.27	4.106	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-6H6 - Noble SI Well - No Surv

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	7.00	-7.00	3.28	3.28	-171.02	-1,005.09	-158.81	1,017.56				
100.00	100.00	107.00	93.00	3.28	3.85	-171.02	-1,005.09	-158.81	1,017.56	1,009.63	7.93	128.378	
200.00	200.00	207.00	193.00	3.31	6.46	-171.02	-1,005.09	-158.81	1,017.56	1,007.00	10.55	96.408	
300.00	299.98	307.02	292.98	3.35	9.68	38.71	-1,005.09	-158.81	1,016.20	1,002.38	13.82	73.550	
400.00	399.84	407.16	392.84	3.41	13.07	38.94	-1,005.09	-158.81	1,012.12	994.85	17.27	58.606	
500.00	499.45	507.55	492.45	3.49	16.54	39.34	-1,005.09	-158.81	1,005.35	984.52	20.82	48.283	
600.00	598.70	608.30	591.70	3.60	20.05	39.91	-1,005.09	-158.81	995.93	971.49	24.45	40.741	
700.00	697.47	709.53	690.47	3.76	23.60	40.64	-1,005.09	-158.81	983.93	955.80	28.13	34.974	
800.00	795.62	788.62	788.62	3.96	26.38	41.57	-1,005.09	-158.81	969.44	938.36	31.09	31.186	
900.00	893.06	886.06	886.06	4.21	29.80	42.69	-1,005.09	-158.81	952.56	917.84	34.72	27.432	
1,000.00	989.96	982.96	982.96	4.50	33.22	43.74	-1,005.09	-158.81	934.31	895.93	38.38	24.342	
1,100.00	1,086.85	1,079.85	1,079.85	4.83	36.64	44.79	-1,005.09	-158.81	916.33	874.26	42.07	21.782	
1,200.00	1,183.75	1,176.75	1,176.75	5.19	40.06	45.88	-1,005.09	-158.81	898.67	852.88	45.78	19.629	
1,300.00	1,280.64	1,273.64	1,273.64	5.56	43.48	47.02	-1,005.09	-158.81	881.34	831.82	49.52	17.797	
1,400.00	1,377.53	1,370.53	1,370.53	5.95	46.90	48.20	-1,005.09	-158.81	864.38	811.10	53.28	16.222	
1,500.00	1,474.42	1,467.42	1,467.42	6.36	50.33	49.42	-1,005.09	-158.81	847.80	790.74	57.07	14.856	
1,600.00	1,571.32	1,564.32	1,564.32	6.78	53.76	50.69	-1,005.09	-158.81	831.63	770.76	60.87	13.663	
1,700.00	1,668.21	1,661.21	1,661.21	7.20	57.18	52.01	-1,005.09	-158.81	815.89	751.20	64.69	12.613	
1,800.00	1,765.10	1,758.10	1,758.10	7.64	60.61	53.38	-1,005.09	-158.81	800.60	732.08	68.52	11.684	
1,900.00	1,862.00	1,855.00	1,855.00	7.88	64.04	54.80	-1,005.09	-158.81	785.79	713.80	71.99	10.915	
2,000.00	1,958.89	1,951.89	1,951.89	7.94	67.47	56.27	-1,005.09	-158.81	771.49	695.98	75.50	10.218	
2,100.00	2,055.78	2,048.78	2,048.78	8.02	70.90	57.79	-1,005.09	-158.81	757.73	678.69	79.04	9.587	
2,200.00	2,152.67	2,145.67	2,145.67	8.13	74.33	59.36	-1,005.09	-158.81	744.53	661.93	82.60	9.014	
2,300.00	2,249.57	2,242.57	2,242.57	8.25	77.76	60.99	-1,005.09	-158.81	731.94	645.76	86.18	8.493	
2,400.00	2,346.46	2,339.46	2,339.46	8.39	81.19	62.67	-1,005.09	-158.81	719.97	630.19	89.78	8.020	
2,500.00	2,443.35	2,436.35	2,436.35	8.55	84.62	64.40	-1,005.09	-158.81	708.66	615.27	93.40	7.588	
2,600.00	2,540.25	2,533.25	2,533.25	8.72	88.05	66.18	-1,005.09	-158.81	698.05	601.02	97.03	7.194	
2,700.00	2,637.14	2,630.14	2,630.14	8.91	91.48	68.02	-1,005.09	-158.81	688.17	587.48	100.69	6.835	
2,800.00	2,734.03	2,727.03	2,727.03	9.12	94.91	69.90	-1,005.09	-158.81	679.04	574.68	104.36	6.507	
2,900.00	2,830.93	2,823.93	2,823.93	9.34	98.34	71.83	-1,005.09	-158.81	670.70	562.66	108.04	6.208	
3,000.00	2,927.82	2,920.82	2,920.82	9.57	101.77	73.80	-1,005.09	-158.81	663.18	551.44	111.74	5.935	
3,100.00	3,024.71	3,017.71	3,017.71	9.81	105.20	75.81	-1,005.09	-158.81	656.50	541.05	115.45	5.687	
3,200.00	3,121.60	3,114.60	3,114.60	10.07	108.64	77.86	-1,005.09	-158.81	650.70	531.53	119.16	5.461	
3,300.00	3,218.50	3,211.50	3,211.50	10.33	112.07	79.94	-1,005.09	-158.81	645.79	522.90	122.89	5.255	
3,400.00	3,315.39	3,308.39	3,308.39	10.61	115.50	82.05	-1,005.09	-158.81	641.80	515.18	126.62	5.069	
3,500.00	3,412.28	3,405.28	3,405.28	10.89	118.93	84.18	-1,005.09	-158.81	638.74	508.38	130.36	4.900	
3,600.00	3,509.18	3,502.18	3,502.18	11.18	122.36	86.33	-1,005.09	-158.81	636.63	502.53	134.10	4.747	
3,700.00	3,606.07	3,600.93	3,599.07	11.48	125.86	88.49	-1,005.09	-158.81	635.47	497.56	137.91	4.608	
3,770.04	3,673.93	3,666.93	3,666.93	11.69	128.20	90.00	-1,005.09	-158.81	635.24	494.77	140.47	4.522	
3,800.00	3,702.96	3,704.04	3,695.96	11.78	129.51	90.65	-1,005.09	-158.81	635.28	493.40	141.88	4.478	
3,900.00	3,799.85	3,807.15	3,792.85	12.10	133.17	92.81	-1,005.09	-158.81	636.05	490.21	145.84	4.361	
4,000.00	3,896.75	3,889.75	3,889.75	12.41	136.09	94.96	-1,005.09	-158.81	637.78	488.70	149.08	4.278	
4,100.00	3,993.64	3,986.64	3,986.64	12.74	139.52	97.10	-1,005.09	-158.81	640.46	487.63	152.83	4.191	
4,200.00	4,090.53	4,083.53	4,083.53	13.07	142.96	99.21	-1,005.09	-158.81	644.08	487.51	156.57	4.114	
4,300.00	4,187.43	4,180.43	4,180.43	13.40	146.39	101.31	-1,005.09	-158.81	648.62	488.31	160.31	4.046	
4,400.00	4,284.32	4,277.32	4,277.32	13.74	149.82	103.37	-1,005.09	-158.81	654.07	490.02	164.04	3.987	
4,500.00	4,381.21	4,374.21	4,374.21	14.08	153.25	105.40	-1,005.09	-158.81	660.40	492.62	167.78	3.936	
4,600.00	4,478.11	4,471.11	4,471.11	14.42	156.68	107.39	-1,005.09	-158.81	667.58	496.08	171.51	3.892	
4,700.00	4,575.00	4,568.00	4,568.00	14.77	160.12	109.33	-1,005.09	-158.81	675.60	500.37	175.23	3.855	
4,800.00	4,671.89	4,664.89	4,664.89	15.12	163.55	111.23	-1,005.09	-158.81	684.42	505.46	178.96	3.825	
4,900.00	4,768.78	4,761.78	4,761.78	15.48	166.98	113.09	-1,005.09	-158.81	694.00	511.33	182.68	3.799	
5,000.00	4,865.68	4,858.68	4,858.68	15.84	170.41	114.89	-1,005.09	-158.81	704.33	517.93	186.39	3.779	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-6H6 - Noble SI Well - No Surv

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	4,962.57	4,955.57	4,955.57	16.20	173.85	116.65	-1,005.09	-158.81	715.36	525.25	190.11	3.763	
5,200.00	5,059.46	5,052.46	5,052.46	16.56	177.28	118.35	-1,005.09	-158.81	727.06	533.24	193.82	3.751	
5,300.00	5,156.36	5,149.36	5,149.36	16.92	180.71	119.99	-1,005.09	-158.81	739.41	541.88	197.53	3.743	
5,400.00	5,253.25	5,246.25	5,246.25	17.29	184.14	121.59	-1,005.09	-158.81	752.37	551.12	201.24	3.739	
5,500.00	5,350.14	5,343.14	5,343.14	17.66	187.58	123.13	-1,005.09	-158.81	765.91	560.95	204.95	3.737	
5,600.00	5,447.03	5,440.03	5,440.03	18.03	191.01	124.62	-1,005.09	-158.81	779.99	571.33	208.66	3.738	
5,700.00	5,543.93	5,536.93	5,536.93	18.41	194.44	126.06	-1,005.09	-158.81	794.60	582.23	212.37	3.742	
5,800.00	5,640.82	5,633.82	5,633.82	18.78	197.88	127.45	-1,005.09	-158.81	809.70	593.63	216.08	3.747	
5,900.00	5,737.71	5,730.71	5,730.71	19.16	201.31	128.78	-1,005.09	-158.81	825.27	605.48	219.78	3.755	
6,000.00	5,834.61	5,827.61	5,827.61	19.53	204.74	130.07	-1,005.09	-158.81	841.27	617.78	223.49	3.764	
6,100.00	5,931.50	5,924.50	5,924.50	19.91	208.17	131.32	-1,005.09	-158.81	857.69	630.49	227.20	3.775	
6,200.00	6,028.39	6,021.39	6,021.39	20.29	211.61	132.51	-1,005.09	-158.81	874.50	643.59	230.91	3.787	
6,300.00	6,125.29	6,118.29	6,118.29	20.68	215.04	133.67	-1,005.09	-158.81	891.68	657.06	234.62	3.801	
6,400.00	6,222.18	6,215.18	6,215.18	21.06	218.47	134.78	-1,005.09	-158.81	909.21	670.88	238.33	3.815	
6,500.00	6,319.07	6,312.07	6,312.07	21.44	221.90	135.84	-1,005.09	-158.81	927.07	685.02	242.05	3.830	
6,600.00	6,415.96	6,408.96	6,408.96	21.83	225.34	136.87	-1,005.09	-158.81	945.23	699.47	245.76	3.846	
6,700.00	6,512.86	6,505.86	6,505.86	22.21	228.77	137.87	-1,005.09	-158.81	963.69	714.22	249.47	3.863	
6,800.00	6,610.09	6,603.09	6,603.09	22.52	232.21	112.28	-1,005.09	-158.81	978.67	725.53	253.14	3.866	
6,900.00	6,707.39	6,700.39	6,700.39	22.74	235.66	77.46	-1,005.09	-158.81	979.92	723.20	256.72	3.817	
7,000.00	6,802.45	6,804.55	6,795.45	22.92	239.35	59.44	-1,005.09	-158.81	967.21	706.73	260.48	3.713	
7,100.00	6,892.94	6,885.94	6,885.94	23.04	242.24	52.35	-1,005.09	-158.81	941.33	677.94	263.38	3.574	
7,200.00	6,976.61	6,969.61	6,969.61	23.13	245.20	50.91	-1,005.09	-158.81	903.50	637.18	266.32	3.393	
7,300.00	7,051.42	7,044.42	7,044.42	23.17	247.85	53.11	-1,005.09	-158.81	855.43	586.53	268.90	3.181	
7,400.00	7,115.52	7,108.52	7,108.52	23.17	250.12	58.20	-1,005.09	-158.81	799.31	528.23	271.08	2.949	
7,500.00	7,167.33	7,160.33	7,160.33	23.13	251.96	65.62	-1,005.09	-158.81	737.83	464.97	272.86	2.704	
7,600.00	7,205.58	7,201.42	7,198.58	23.07	253.41	74.39	-1,005.09	-158.81	674.20	399.89	274.31	2.458	
7,700.00	7,229.32	7,222.32	7,222.32	22.98	254.15	82.93	-1,005.09	-158.81	612.18	337.02	275.16	2.225	
7,800.00	7,237.96	7,230.96	7,230.96	22.87	254.46	89.65	-1,005.09	-158.81	555.99	280.24	275.74	2.016	
7,900.00	7,237.88	7,230.88	7,230.88	22.79	254.46	90.03	-1,005.09	-158.81	511.13	234.94	276.19	1.851	
8,000.00	7,237.75	7,230.75	7,230.75	22.77	254.45	90.01	-1,005.09	-158.81	483.09	206.32	276.77	1.745	
8,089.38	7,237.64	7,230.64	7,230.64	22.95	254.45	90.00	-1,005.09	-158.81	474.75	197.42	277.33	1.712	CC, ES, SF
8,100.00	7,237.62	7,230.62	7,230.62	23.00	254.45	90.00	-1,005.09	-158.81	474.87	197.48	277.39	1.712	
8,200.00	7,237.49	7,230.49	7,230.49	23.67	254.44	89.98	-1,005.09	-158.81	487.47	209.57	277.90	1.754	
8,300.00	7,237.36	7,230.36	7,230.36	24.57	254.44	89.97	-1,005.09	-158.81	519.37	241.17	278.21	1.867	
8,400.00	7,237.24	7,230.24	7,230.24	25.56	254.43	89.95	-1,005.09	-158.81	567.34	289.02	278.32	2.038	
8,500.00	7,237.11	7,230.11	7,230.11	26.63	254.43	89.94	-1,005.09	-158.81	627.69	349.39	278.30	2.255	
8,600.00	7,236.98	7,229.98	7,229.98	27.75	254.42	89.92	-1,005.09	-158.81	697.22	419.00	278.22	2.506	
8,700.00	7,236.85	7,229.85	7,229.85	28.93	254.42	89.91	-1,005.09	-158.81	773.46	495.35	278.11	2.781	
8,800.00	7,236.72	7,229.72	7,229.72	30.15	254.42	89.89	-1,005.09	-158.81	854.61	576.62	277.99	3.074	
8,900.00	7,236.60	7,229.60	7,229.60	31.42	254.41	89.87	-1,005.09	-158.81	939.41	661.53	277.88	3.381	
9,000.00	7,236.47	7,229.47	7,229.47	32.71	254.41	89.86	-1,005.09	-158.81	1,026.94	749.16	277.78	3.697	
9,100.00	7,236.34	7,229.34	7,229.34	34.04	254.40	89.84	-1,005.09	-158.81	1,116.57	838.88	277.69	4.021	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	13.79	13.79	3.28	3.28	-115.51	-469.20	-983.24	1,089.46				
100.00	100.00	106.27	106.27	3.28	3.29	-115.51	-469.40	-983.64	1,089.94	1,082.58	7.36	148.103	
200.00	200.00	206.42	206.41	3.31	3.32	-115.52	-469.87	-984.29	1,090.73	1,083.31	7.42	147.086	
300.00	299.98	305.30	305.29	3.35	3.38	94.18	-470.55	-984.91	1,091.71	1,084.20	7.52	145.214	
400.00	399.84	410.80	410.79	3.41	3.47	94.43	-471.30	-985.29	1,092.74	1,085.07	7.67	142.485	
500.00	499.45	507.85	507.83	3.49	3.58	94.81	-472.13	-985.49	1,093.99	1,086.13	7.86	139.144	
600.00	598.70	610.78	610.76	3.60	3.72	95.40	-472.94	-985.61	1,095.52	1,087.41	8.12	134.975	
700.00	697.47	707.52	707.50	3.76	3.87	96.11	-473.80	-985.66	1,097.51	1,089.09	8.42	130.359	
800.00	795.62	806.54	806.51	3.96	4.04	96.98	-474.81	-985.68	1,100.15	1,091.37	8.79	125.194	
900.00	893.06	907.17	907.14	4.21	4.22	98.04	-475.75	-985.55	1,103.41	1,094.19	9.22	119.687	
1,000.00	989.96	1,005.46	1,005.42	4.50	4.41	99.23	-476.55	-985.28	1,107.25	1,097.56	9.70	114.186	
1,100.00	1,086.85	1,103.20	1,103.16	4.83	4.60	100.42	-477.27	-984.94	1,111.53	1,101.31	10.21	108.839	
1,200.00	1,183.75	1,196.13	1,196.08	5.19	4.80	101.54	-478.16	-984.71	1,116.45	1,105.69	10.76	103.734	
1,300.00	1,280.64	1,289.87	1,289.82	5.56	5.02	102.65	-479.28	-984.74	1,122.18	1,110.83	11.35	98.841	
1,400.00	1,377.53	1,386.40	1,386.34	5.95	5.26	103.79	-480.38	-984.97	1,128.57	1,116.60	11.98	94.239	
1,500.00	1,474.42	1,485.43	1,485.37	6.36	5.52	104.94	-481.53	-985.15	1,135.37	1,122.75	12.62	89.949	
1,600.00	1,571.32	1,581.43	1,581.35	6.78	5.77	106.03	-482.75	-985.22	1,142.56	1,129.28	13.28	86.062	
1,700.00	1,668.21	1,677.80	1,677.72	7.20	6.03	107.12	-484.04	-985.39	1,150.29	1,136.35	13.94	82.502	
1,800.00	1,765.10	1,775.25	1,775.16	7.64	6.29	108.22	-485.05	-985.65	1,158.49	1,143.88	14.61	79.280	
1,900.00	1,862.00	1,871.17	1,871.08	7.88	6.53	109.31	-485.45	-986.01	1,167.13	1,152.26	14.87	78.490	
2,000.00	1,958.89	1,966.25	1,966.16	7.94	6.76	110.39	-485.80	-986.51	1,176.36	1,161.22	15.14	77.713	
2,100.00	2,055.78	2,061.19	2,061.10	8.02	6.97	111.45	-486.05	-987.18	1,186.19	1,170.78	15.41	76.984	
2,200.00	2,152.67	2,155.26	2,155.16	8.13	7.18	112.48	-486.29	-988.02	1,196.64	1,180.94	15.69	76.253	
8,300.00	7,237.36	7,265.90	7,264.88	24.57	18.73	90.80	-524.06	-1,000.69	1,144.68	1,100.77	43.91	26.067	
8,400.00	7,237.24	7,261.50	7,260.48	25.56	18.72	90.54	-524.12	-1,000.88	1,092.63	1,047.76	44.88	24.348	
8,500.00	7,237.11	7,259.24	7,258.22	26.63	18.72	90.40	-524.17	-1,000.97	1,047.54	1,001.60	45.94	22.802	
8,600.00	7,236.98	7,253.45	7,252.44	27.75	18.71	90.05	-524.25	-1,001.22	1,010.36	963.31	47.05	21.475	
8,700.00	7,236.85	7,247.85	7,246.85	28.93	18.71	89.72	-524.33	-1,001.46	981.97	933.81	48.16	20.389	
8,800.00	7,236.72	7,242.44	7,241.44	30.15	18.70	89.39	-524.42	-1,001.69	963.15	913.92	49.23	19.565	
8,900.00	7,236.60	7,237.19	7,236.20	31.42	18.70	89.08	-524.51	-1,001.91	954.46	904.28	50.18	19.019	
8,933.47	7,236.55	7,235.48	7,234.48	31.85	18.70	88.97	-524.54	-1,001.98	953.88	903.40	50.47	18.898	CC, ES
9,000.00	7,236.47	7,232.12	7,231.13	32.71	18.69	88.77	-524.60	-1,002.12	956.19	905.21	50.98	18.758	SF
9,100.00	7,236.34	7,227.20	7,226.21	34.04	18.69	88.48	-524.69	-1,002.31	968.28	916.71	51.57	18.776	
9,200.00	7,236.21	7,222.43	7,221.45	35.40	18.69	88.19	-524.79	-1,002.50	990.34	938.39	51.95	19.062	
9,300.00	7,236.08	7,217.80	7,216.83	36.78	18.68	87.91	-524.88	-1,002.68	1,021.74	969.60	52.14	19.596	
9,400.00	7,235.95	7,213.31	7,212.34	38.18	18.68	87.64	-524.98	-1,002.85	1,061.65	1,009.49	52.16	20.354	
9,500.00	7,235.83	7,208.96	7,207.99	39.60	18.68	87.38	-525.07	-1,003.02	1,109.15	1,057.11	52.04	21.313	
9,600.00	7,235.70	7,204.72	7,203.76	41.04	18.67	87.13	-525.17	-1,003.17	1,163.31	1,111.49	51.82	22.448	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - UPRC 29-7C - Noble T/A Well - No Surveys

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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
1,600.00	1,571.32	1,563.32	1,563.32	6.78	53.72	-12.16	-1,118.00	916.67	1,192.05	1,131.77	60.29	19.774	
1,700.00	1,668.21	1,660.21	1,660.21	7.20	57.15	-12.41	-1,118.00	916.67	1,167.85	1,103.86	64.00	18.248	
1,800.00	1,765.10	1,757.10	1,757.10	7.64	60.58	-12.68	-1,118.00	916.67	1,143.68	1,075.96	67.72	16.889	
1,900.00	1,862.00	1,854.00	1,854.00	7.88	64.00	-12.96	-1,118.00	916.67	1,119.52	1,048.41	71.11	15.743	
2,000.00	1,958.89	1,950.89	1,950.89	7.94	67.43	-13.25	-1,118.00	916.67	1,095.39	1,020.82	74.57	14.690	
2,100.00	2,055.78	2,047.78	2,047.78	8.02	70.86	-13.55	-1,118.00	916.67	1,071.29	993.25	78.05	13.726	
2,200.00	2,152.67	2,144.67	2,144.67	8.13	74.29	-13.86	-1,118.00	916.67	1,047.22	965.68	81.54	12.843	
2,300.00	2,249.57	2,241.57	2,241.57	8.25	77.72	-14.20	-1,118.00	916.67	1,023.18	938.13	85.05	12.030	
2,400.00	2,346.46	2,338.46	2,338.46	8.39	81.15	-14.54	-1,118.00	916.67	999.18	910.59	88.58	11.279	
2,500.00	2,443.35	2,435.35	2,435.35	8.55	84.58	-14.91	-1,118.00	916.67	975.21	883.08	92.13	10.585	
2,600.00	2,540.25	2,532.25	2,532.25	8.72	88.01	-15.29	-1,118.00	916.67	951.28	855.58	95.70	9.940	
2,700.00	2,637.14	2,629.14	2,629.14	8.91	91.44	-15.69	-1,118.00	916.67	927.39	828.11	99.28	9.341	
2,800.00	2,734.03	2,726.03	2,726.03	9.12	94.87	-16.11	-1,118.00	916.67	903.55	800.68	102.87	8.783	
2,900.00	2,830.93	2,822.93	2,822.93	9.34	98.31	-16.56	-1,118.00	916.67	879.76	773.27	106.48	8.262	
3,000.00	2,927.82	2,919.82	2,919.82	9.57	101.74	-17.03	-1,118.00	916.67	856.02	745.91	110.11	7.774	
3,100.00	3,024.71	3,016.71	3,016.71	9.81	105.17	-17.53	-1,118.00	916.67	832.34	718.59	113.74	7.318	
3,200.00	3,121.60	3,113.60	3,113.60	10.07	108.60	-18.05	-1,118.00	916.67	808.72	691.33	117.39	6.889	
3,300.00	3,218.50	3,210.50	3,210.50	10.33	112.03	-18.61	-1,118.00	916.67	785.17	664.11	121.05	6.486	
3,400.00	3,315.39	3,307.39	3,307.39	10.61	115.46	-19.20	-1,118.00	916.67	761.69	636.97	124.72	6.107	
3,500.00	3,412.28	3,404.28	3,404.28	10.89	118.90	-19.83	-1,118.00	916.67	738.30	609.89	128.41	5.750	
3,600.00	3,509.18	3,501.18	3,501.18	11.18	122.33	-20.50	-1,118.00	916.67	715.00	582.90	132.10	5.413	
3,700.00	3,606.07	3,601.93	3,598.07	11.48	125.90	-21.22	-1,118.00	916.67	691.79	555.85	135.94	5.089	
3,800.00	3,702.96	3,705.04	3,694.96	11.78	129.55	-21.98	-1,118.00	916.67	668.70	528.83	139.87	4.781	
3,900.00	3,799.85	3,808.15	3,791.85	12.10	133.20	-22.80	-1,118.00	916.67	645.73	501.91	143.82	4.490	
4,000.00	3,896.75	3,888.75	3,888.75	12.41	136.06	-23.68	-1,118.00	916.67	622.89	475.92	146.97	4.238	
4,100.00	3,993.64	3,985.64	3,985.64	12.74	139.49	-24.62	-1,118.00	916.67	600.21	449.49	150.72	3.982	
4,200.00	4,090.53	4,082.53	4,082.53	13.07	142.92	-25.64	-1,118.00	916.67	577.69	423.22	154.47	3.740	
4,300.00	4,187.43	4,179.43	4,179.43	13.40	146.35	-26.73	-1,118.00	916.67	555.36	397.12	158.24	3.510	
4,400.00	4,284.32	4,276.32	4,276.32	13.74	149.78	-27.92	-1,118.00	916.67	533.24	371.23	162.01	3.291	
4,500.00	4,381.21	4,373.21	4,373.21	14.08	153.22	-29.21	-1,118.00	916.67	511.36	345.56	165.80	3.084	
4,600.00	4,478.11	4,470.11	4,470.11	14.42	156.65	-30.61	-1,118.00	916.67	489.76	320.15	169.60	2.888	
4,700.00	4,575.00	4,567.00	4,567.00	14.77	160.08	-32.14	-1,118.00	916.67	468.46	295.04	173.42	2.701	
4,800.00	4,671.89	4,663.89	4,663.89	15.12	163.51	-33.81	-1,118.00	916.67	447.52	270.27	177.25	2.525	
4,900.00	4,768.78	4,760.78	4,760.78	15.48	166.95	-35.63	-1,118.00	916.67	426.98	245.88	181.10	2.358	
5,000.00	4,865.68	4,857.68	4,857.68	15.84	170.38	-37.64	-1,118.00	916.67	406.91	221.95	184.96	2.200	
5,100.00	4,962.57	4,954.57	4,954.57	16.20	173.81	-39.85	-1,118.00	916.67	387.38	198.53	188.85	2.051	
5,200.00	5,059.46	5,051.46	5,051.46	16.56	177.24	-42.28	-1,118.00	916.67	368.48	175.72	192.75	1.912	
5,300.00	5,156.36	5,148.36	5,148.36	16.92	180.68	-44.96	-1,118.00	916.67	350.30	153.62	196.68	1.781	
5,400.00	5,253.25	5,245.25	5,245.25	17.29	184.11	-47.91	-1,118.00	916.67	332.97	132.34	200.63	1.660	
5,500.00	5,350.14	5,342.14	5,342.14	17.66	187.54	-51.18	-1,118.00	916.67	316.62	112.02	204.60	1.547	
5,600.00	5,447.03	5,439.03	5,439.03	18.03	190.97	-54.77	-1,118.00	916.67	301.42	92.83	208.59	1.445	Level 3
5,700.00	5,543.93	5,535.93	5,535.93	18.41	194.41	-58.70	-1,118.00	916.67	287.54	74.95	212.60	1.353	Level 3
5,800.00	5,640.82	5,632.82	5,632.82	18.78	197.84	-63.00	-1,118.00	916.67	275.20	58.59	216.61	1.270	Level 3
5,900.00	5,737.71	5,729.71	5,729.71	19.16	201.27	-67.65	-1,118.00	916.67	264.59	43.98	220.61	1.199	Level 2
6,000.00	5,834.61	5,826.61	5,826.61	19.53	204.71	-72.63	-1,118.00	916.67	255.94	31.35	224.60	1.140	Level 2
6,100.00	5,931.50	5,923.50	5,923.50	19.91	208.14	-77.90	-1,118.00	916.67	249.46	20.92	228.54	1.092	Level 2
6,200.00	6,028.39	6,020.39	6,020.39	20.29	211.57	-83.38	-1,118.00	916.67	245.31	12.87	232.43	1.055	Level 2
6,300.00	6,125.29	6,117.29	6,117.29	20.68	215.00	-88.99	-1,118.00	916.67	243.61	7.35	236.26	1.031	Level 2
6,317.87	6,142.60	6,134.60	6,134.60	20.74	215.62	-90.00	-1,118.00	916.67	243.57	6.64	236.93	1.028	Level 2, CC
6,400.00	6,222.18	6,214.18	6,214.18	21.06	218.44	-94.62	-1,118.00	916.67	244.42	4.41	240.01	1.018	Level 2
6,500.00	6,319.07	6,311.07	6,311.07	21.44	221.87	-100.16	-1,118.00	916.67	247.70	4.02	243.68	1.017	Level 2, ES, SF
6,600.00	6,415.96	6,407.96	6,407.96	21.83	225.30	-105.51	-1,118.00	916.67	253.37	6.08	247.29	1.025	Level 2

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - UPRC 29-7C - Noble T/A Well - No Surveys

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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
6,700.00	6,512.86	6,504.86	6,504.86	22.21	228.73	-110.61	-1,118.00	916.67	261.26	10.42	250.85	1.042	Level 2
6,800.00	6,610.09	6,602.09	6,602.09	22.52	232.18	-141.76	-1,118.00	916.67	273.54	19.19	254.35	1.075	Level 2
6,900.00	6,707.39	6,700.61	6,699.39	22.74	235.67	179.18	-1,118.00	916.67	295.21	37.23	257.97	1.144	Level 2
7,000.00	6,802.45	6,805.55	6,794.45	22.92	239.39	158.01	-1,118.00	916.67	325.18	63.26	261.92	1.242	Level 2
7,100.00	6,892.94	6,884.94	6,884.94	23.04	242.20	148.00	-1,118.00	916.67	363.43	98.42	265.00	1.371	Level 3
7,200.00	6,976.61	6,968.61	6,968.61	23.13	245.17	142.74	-1,118.00	916.67	410.58	142.35	268.23	1.531	
7,300.00	7,051.42	7,043.42	7,043.42	23.17	247.82	139.07	-1,118.00	916.67	467.15	196.05	271.10	1.723	
7,400.00	7,115.52	7,107.52	7,107.52	23.17	250.09	135.21	-1,118.00	916.67	533.09	259.57	273.52	1.949	
7,500.00	7,167.33	7,159.33	7,159.33	23.13	251.92	129.80	-1,118.00	916.67	607.62	332.19	275.42	2.206	
7,600.00	7,205.58	7,202.42	7,197.58	23.07	253.45	121.44	-1,118.00	916.67	689.33	412.37	276.96	2.489	
7,700.00	7,229.32	7,221.32	7,221.32	22.98	254.12	108.69	-1,118.00	916.67	776.32	498.75	277.57	2.797	
7,800.00	7,237.96	7,229.96	7,229.96	22.87	254.42	91.25	-1,118.00	916.67	866.41	588.63	277.78	3.119	
7,900.00	7,237.88	7,229.88	7,229.88	22.79	254.42	89.82	-1,118.00	916.67	958.09	680.41	277.68	3.450	
8,000.00	7,237.75	7,229.75	7,229.75	22.77	254.42	89.80	-1,118.00	916.67	1,051.28	773.71	277.58	3.787	
8,100.00	7,237.62	7,229.62	7,229.62	23.00	254.41	89.78	-1,118.00	916.67	1,145.63	868.13	277.49	4.128	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - UPV 29-2H6 - Noble SI Well - No Surveys

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	90.72	-14.18	1,128.38	1,128.72				
100.00	100.00	76.00	76.00	3.28	3.55	90.72	-14.18	1,128.38	1,128.47	1,120.85	7.62	148.094	
200.00	200.00	176.00	176.00	3.31	5.54	90.72	-14.18	1,128.38	1,128.47	1,118.83	9.64	117.101	
300.00	299.98	275.98	275.98	3.35	8.65	-59.72	-14.18	1,128.38	1,127.58	1,114.80	12.79	88.166	
400.00	399.84	375.84	375.84	3.41	12.00	-60.00	-14.18	1,128.38	1,124.95	1,108.76	16.20	69.454	
500.00	499.45	475.45	475.45	3.49	15.43	-60.46	-14.18	1,128.38	1,120.61	1,100.91	19.71	56.863	
600.00	598.70	574.70	574.70	3.60	18.88	-61.10	-14.18	1,128.38	1,114.63	1,091.36	23.27	47.892	
700.00	697.47	673.47	673.47	3.76	22.33	-61.94	-14.18	1,128.38	1,107.10	1,080.22	26.88	41.188	
800.00	795.62	771.62	771.62	3.96	25.78	-62.96	-14.18	1,128.38	1,098.14	1,067.63	30.52	35.986	
900.00	893.06	869.06	869.06	4.21	29.21	-64.18	-14.18	1,128.38	1,087.92	1,053.74	34.18	31.828	
1,000.00	989.96	965.96	965.96	4.50	32.62	-65.37	-14.18	1,128.38	1,077.13	1,039.25	37.88	28.436	
1,100.00	1,086.85	1,062.85	1,062.85	4.83	36.04	-66.54	-14.18	1,128.38	1,066.79	1,025.17	41.61	25.637	
1,200.00	1,183.75	1,159.75	1,159.75	5.19	39.46	-67.74	-14.18	1,128.38	1,056.92	1,011.54	45.38	23.293	
1,300.00	1,280.64	1,256.64	1,256.64	5.56	42.88	-68.96	-14.18	1,128.38	1,047.54	998.38	49.17	21.307	
1,400.00	1,377.53	1,353.53	1,353.53	5.95	46.30	-70.20	-14.18	1,128.38	1,038.67	985.69	52.98	19.606	
1,500.00	1,474.42	1,450.42	1,450.42	6.36	49.73	-71.46	-14.18	1,128.38	1,030.31	973.51	56.81	18.138	
1,600.00	1,571.32	1,547.32	1,547.32	6.78	53.15	-72.73	-14.18	1,128.38	1,022.49	961.84	60.65	16.859	
1,700.00	1,668.21	1,644.21	1,644.21	7.20	56.58	-74.03	-14.18	1,128.38	1,015.21	950.70	64.51	15.738	
1,800.00	1,765.10	1,741.10	1,741.10	7.64	60.01	-75.34	-14.18	1,128.38	1,008.48	940.11	68.37	14.750	
1,900.00	1,862.00	1,838.00	1,838.00	7.88	63.44	-76.67	-14.18	1,128.38	1,002.32	930.47	71.85	13.951	
2,000.00	1,958.89	1,934.89	1,934.89	7.94	66.87	-78.01	-14.18	1,128.38	996.73	921.38	75.35	13.229	
2,100.00	2,055.78	2,031.78	2,031.78	8.02	70.30	-79.37	-14.18	1,128.38	991.73	912.86	78.87	12.574	
2,200.00	2,152.67	2,128.67	2,128.67	8.13	73.73	-80.73	-14.18	1,128.38	987.32	904.91	82.41	11.981	
2,300.00	2,249.57	2,225.57	2,225.57	8.25	77.16	-82.11	-14.18	1,128.38	983.52	897.55	85.97	11.440	
2,400.00	2,346.46	2,322.46	2,322.46	8.39	80.59	-83.50	-14.18	1,128.38	980.32	890.78	89.55	10.948	
2,500.00	2,443.35	2,419.35	2,419.35	8.55	84.02	-84.90	-14.18	1,128.38	977.74	884.60	93.14	10.498	
2,600.00	2,540.25	2,516.25	2,516.25	8.72	87.45	-86.30	-14.18	1,128.38	975.78	879.03	96.75	10.086	
2,700.00	2,637.14	2,613.14	2,613.14	8.91	90.88	-87.70	-14.18	1,128.38	974.45	874.08	100.37	9.708	
2,800.00	2,734.03	2,710.03	2,710.03	9.12	94.31	-89.11	-14.18	1,128.38	973.74	869.73	104.01	9.362	
2,862.83	2,794.91	2,770.91	2,770.91	9.25	96.46	-90.00	-14.18	1,128.38	973.62	867.32	106.30	9.159	CC
2,900.00	2,830.93	2,806.93	2,806.93	9.34	97.74	-90.52	-14.18	1,128.38	973.66	866.00	107.66	9.044	
3,000.00	2,927.82	2,903.82	2,903.82	9.57	101.17	-91.93	-14.18	1,128.38	974.21	862.89	111.31	8.752	
3,100.00	3,024.71	3,000.71	3,000.71	9.81	104.60	-93.34	-14.18	1,128.38	975.38	860.40	114.98	8.483	
3,200.00	3,121.60	3,102.40	3,097.60	10.07	108.20	-94.74	-14.18	1,128.38	977.18	858.36	118.82	8.224	
3,300.00	3,218.50	3,205.50	3,194.50	10.33	111.86	-96.14	-14.18	1,128.38	979.60	856.87	122.73	7.982	
3,400.00	3,315.39	3,308.61	3,291.39	10.61	115.51	-97.53	-14.18	1,128.38	982.64	856.00	126.64	7.760	ES
3,500.00	3,412.28	3,388.28	3,388.28	10.89	118.33	-98.91	-14.18	1,128.38	986.29	856.57	129.72	7.603	
3,600.00	3,509.18	3,485.18	3,485.18	11.18	121.76	-100.28	-14.18	1,128.38	990.54	857.12	133.42	7.424	
3,700.00	3,606.07	3,582.07	3,582.07	11.48	125.19	-101.64	-14.18	1,128.38	995.39	858.27	137.12	7.259	
3,800.00	3,702.96	3,678.96	3,678.96	11.78	128.62	-102.99	-14.18	1,128.38	1,000.83	860.00	140.83	7.107	
3,900.00	3,799.85	3,775.85	3,775.85	12.10	132.06	-104.32	-14.18	1,128.38	1,006.84	862.31	144.53	6.966	
4,000.00	3,896.75	3,872.75	3,872.75	12.41	135.49	-105.64	-14.18	1,128.38	1,013.43	865.18	148.25	6.836	
4,100.00	3,993.64	3,969.64	3,969.64	12.74	138.92	-106.94	-14.18	1,128.38	1,020.57	868.61	151.96	6.716	
4,200.00	4,090.53	4,066.53	4,066.53	13.07	142.35	-108.22	-14.18	1,128.38	1,028.26	872.58	155.67	6.605	
4,300.00	4,187.43	4,163.43	4,163.43	13.40	145.79	-109.48	-14.18	1,128.38	1,036.48	877.09	159.39	6.503	
4,400.00	4,284.32	4,260.32	4,260.32	13.74	149.22	-110.73	-14.18	1,128.38	1,045.22	882.11	163.11	6.408	
4,500.00	4,381.21	4,357.21	4,357.21	14.08	152.65	-111.95	-14.18	1,128.38	1,054.47	887.64	166.82	6.321	
4,600.00	4,478.11	4,454.11	4,454.11	14.42	156.08	-113.15	-14.18	1,128.38	1,064.21	893.67	170.54	6.240	
4,700.00	4,575.00	4,551.00	4,551.00	14.77	159.51	-114.33	-14.18	1,128.38	1,074.43	900.17	174.26	6.166	
4,800.00	4,671.89	4,647.89	4,647.89	15.12	162.95	-115.49	-14.18	1,128.38	1,085.13	907.14	177.98	6.097	
4,900.00	4,768.78	4,744.78	4,744.78	15.48	166.38	-116.63	-14.18	1,128.38	1,096.27	914.57	181.70	6.033	
5,000.00	4,865.68	4,841.68	4,841.68	15.84	169.81	-117.75	-14.18	1,128.38	1,107.86	922.44	185.42	5.975	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - UPV 29-2H6 - Noble SI Well - No Surveys

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	4,962.57	4,938.57	4,938.57	16.20	173.24	-118.84	-14.18	1,128.38	1,119.87	930.73	189.14	5.921	
5,200.00	5,059.46	5,035.46	5,035.46	16.56	176.68	-119.91	-14.18	1,128.38	1,132.29	939.43	192.86	5.871	
5,300.00	5,156.36	5,132.36	5,132.36	16.92	180.11	-120.96	-14.18	1,128.38	1,145.12	948.54	196.58	5.825	
5,400.00	5,253.25	5,229.25	5,229.25	17.29	183.54	-121.99	-14.18	1,128.38	1,158.33	958.03	200.30	5.783	
5,500.00	5,350.14	5,326.14	5,326.14	17.66	186.98	-122.99	-14.18	1,128.38	1,171.91	967.89	204.02	5.744	
5,600.00	5,447.03	5,423.03	5,423.03	18.03	190.41	-123.97	-14.18	1,128.38	1,185.86	978.11	207.75	5.708	SF

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-43.55	158.83	-151.01	219.16				
100.00	100.00	101.00	101.00	3.28	3.28	-43.55	158.83	-151.01	219.16	211.63	7.53	29.109	
200.00	200.00	201.01	201.01	3.31	3.31	-43.55	158.83	-151.01	219.16	211.59	7.57	28.935	
200.13	200.13	201.14	201.14	3.31	3.31	-43.55	158.83	-151.01	219.16	211.59	7.57	28.935	CC, ES
300.00	299.98	301.26	301.25	3.35	3.34	165.95	158.09	-151.63	220.75	213.09	7.65	28.846	SF
400.00	399.84	401.13	401.12	3.41	3.40	165.96	157.23	-152.35	225.70	217.93	7.77	29.042	
500.00	499.45	500.77	500.76	3.49	3.48	166.16	156.36	-153.08	234.03	226.10	7.94	29.489	
600.00	598.70	600.07	600.04	3.60	3.58	166.53	155.50	-153.81	245.75	237.60	8.14	30.171	
700.00	697.47	701.12	698.85	3.76	3.70	167.01	154.64	-154.53	260.84	252.44	8.40	31.056	
800.00	795.62	802.89	797.07	3.96	3.84	167.58	153.79	-155.24	279.32	270.62	8.70	32.120	
900.00	893.06	905.37	894.58	4.21	3.99	168.20	152.94	-155.95	301.17	292.14	9.03	33.336	
1,000.00	989.96	1,008.38	991.57	4.50	4.16	168.87	152.09	-156.66	325.22	315.82	9.40	34.581	
1,100.00	1,086.85	1,088.61	1,088.55	4.83	4.29	169.47	151.25	-157.37	349.35	339.60	9.75	35.815	
1,200.00	1,183.75	1,185.59	1,185.53	5.19	4.47	169.99	150.41	-158.07	373.52	363.36	10.16	36.773	
1,300.00	1,280.64	1,282.57	1,282.51	5.56	4.66	170.45	149.57	-158.78	397.70	387.12	10.58	37.582	
1,400.00	1,377.53	1,379.56	1,379.48	5.95	4.85	170.86	148.72	-159.49	421.91	410.89	11.03	38.264	
1,500.00	1,474.42	1,476.54	1,476.46	6.36	5.05	171.22	147.88	-160.20	446.14	434.65	11.49	38.838	
1,600.00	1,571.32	1,573.53	1,573.44	6.78	5.26	171.55	147.04	-160.90	470.38	458.42	11.96	39.321	
1,700.00	1,668.21	1,670.51	1,670.42	7.20	5.47	171.84	146.20	-161.61	494.64	482.19	12.45	39.728	
1,800.00	1,765.10	1,767.50	1,767.40	7.64	5.68	172.10	145.35	-162.32	518.91	505.96	12.95	40.070	
1,900.00	1,862.00	1,864.48	1,864.37	7.88	5.91	172.35	144.51	-163.03	543.18	530.23	12.96	41.928	
2,000.00	1,958.89	1,961.46	1,961.35	7.94	6.13	172.57	143.67	-163.73	567.47	554.27	13.20	42.990	
2,100.00	2,055.78	2,058.45	2,058.33	8.02	6.36	172.77	142.82	-164.44	591.76	578.29	13.47	43.944	
2,200.00	2,152.67	2,155.43	2,155.31	8.13	6.59	172.96	141.98	-165.15	616.06	602.30	13.75	44.793	
2,300.00	2,249.57	2,252.42	2,252.29	8.25	6.82	173.13	141.14	-165.85	640.36	626.30	14.06	45.543	
2,400.00	2,346.46	2,349.40	2,349.26	8.39	7.06	173.29	140.30	-166.56	664.67	650.28	14.39	46.199	
2,500.00	2,443.35	2,446.39	2,446.24	8.55	7.30	173.44	139.45	-167.27	688.98	674.25	14.73	46.769	
2,600.00	2,540.25	2,543.37	2,543.22	8.72	7.54	173.58	138.61	-167.98	713.30	698.21	15.09	47.258	
2,700.00	2,637.14	2,640.35	2,640.20	8.91	7.78	173.71	137.77	-168.68	737.62	722.15	15.47	47.675	
2,800.00	2,734.03	2,737.34	2,737.18	9.12	8.02	173.83	136.92	-169.39	761.95	746.08	15.87	48.025	
2,900.00	2,830.93	2,834.32	2,834.15	9.34	8.27	173.94	136.08	-170.10	786.27	770.00	16.27	48.316	
3,000.00	2,927.82	2,931.31	2,931.13	9.57	8.51	174.05	135.24	-170.80	810.60	793.91	16.69	48.554	
3,100.00	3,024.71	3,028.29	3,028.11	9.81	8.76	174.15	134.40	-171.51	834.94	817.81	17.13	48.744	
3,200.00	3,121.60	3,125.28	3,125.09	10.07	9.01	174.24	133.55	-172.22	859.27	841.70	17.57	48.894	
3,300.00	3,218.50	3,222.26	3,222.07	10.33	9.26	174.33	132.71	-172.93	883.61	865.58	18.03	49.006	
3,400.00	3,315.39	3,319.24	3,319.04	10.61	9.51	174.42	131.87	-173.63	907.95	889.45	18.50	49.087	
3,500.00	3,412.28	3,416.23	3,416.02	10.89	9.76	174.50	131.02	-174.34	932.29	913.32	18.97	49.140	
3,600.00	3,509.18	3,513.21	3,513.00	11.18	10.02	174.57	130.18	-175.05	956.63	937.18	19.46	49.169	
3,700.00	3,606.07	3,610.20	3,609.98	11.48	10.27	174.65	129.34	-175.76	980.98	961.03	19.95	49.177	
3,800.00	3,702.96	3,707.18	3,706.96	11.78	10.53	174.72	128.50	-176.46	1,005.32	984.87	20.45	49.167	
3,900.00	3,799.85	3,804.17	3,803.93	12.10	10.78	174.78	127.65	-177.17	1,029.67	1,008.71	20.95	49.142	
4,000.00	3,896.75	3,901.15	3,900.91	12.41	11.04	174.85	126.81	-177.88	1,054.02	1,032.55	21.46	49.104	
4,100.00	3,993.64	4,001.87	3,997.89	12.74	11.30	174.90	125.97	-178.58	1,078.36	1,056.37	21.99	49.033	
4,200.00	4,090.53	4,104.88	4,094.87	13.07	11.58	174.96	125.12	-179.29	1,102.71	1,080.18	22.53	48.941	
4,300.00	4,187.43	4,207.90	4,191.85	13.40	11.85	175.02	124.28	-180.00	1,127.07	1,103.99	23.08	48.842	
4,400.00	4,284.32	4,289.09	4,288.83	13.74	12.06	175.07	123.44	-180.71	1,151.42	1,127.85	23.57	48.858	
4,500.00	4,381.21	4,386.07	4,385.80	14.08	12.32	175.12	122.60	-181.41	1,175.77	1,151.67	24.10	48.779	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-47.34	139.17	-151.01	205.35				
100.00	100.00	101.00	101.00	3.28	3.28	-47.34	139.17	-151.01	205.35	197.82	7.53	27.275	
200.00	200.00	201.00	201.00	3.31	3.31	-47.34	139.17	-151.01	205.35	197.78	7.57	27.112	CC, ES
300.00	299.98	300.56	300.56	3.35	3.34	162.21	138.65	-151.72	207.19	199.54	7.65	27.073	SF
400.00	399.84	400.42	400.41	3.41	3.40	162.34	138.04	-152.55	212.38	204.61	7.77	27.323	
500.00	499.45	500.04	500.02	3.49	3.48	162.71	137.44	-153.38	220.89	212.95	7.94	27.826	
600.00	598.70	600.70	599.28	3.60	3.58	163.28	136.84	-154.21	232.74	224.59	8.15	28.558	
700.00	697.47	701.93	698.05	3.76	3.70	164.01	136.24	-155.03	247.94	239.53	8.41	29.497	
800.00	795.62	803.75	796.22	3.96	3.84	164.82	135.65	-155.85	266.50	257.79	8.70	30.617	
900.00	893.06	906.30	893.66	4.21	3.99	165.68	135.06	-156.66	288.43	279.38	9.04	31.889	
1,000.00	989.96	1,009.37	990.59	4.50	4.16	166.59	134.47	-157.47	312.57	303.15	9.42	33.192	
1,100.00	1,086.85	1,087.54	1,087.50	4.83	4.30	167.39	133.88	-158.28	336.81	327.05	9.76	34.493	
1,200.00	1,183.75	1,184.46	1,184.41	5.19	4.47	168.09	133.30	-159.08	361.11	350.94	10.17	35.512	
1,300.00	1,280.64	1,281.37	1,281.32	5.56	4.66	168.69	132.71	-159.89	385.45	374.86	10.59	36.382	
1,400.00	1,377.53	1,378.29	1,378.23	5.95	4.85	169.23	132.12	-160.70	409.83	398.79	11.04	37.124	
1,500.00	1,474.42	1,475.21	1,475.14	6.36	5.05	169.70	131.54	-161.51	434.24	422.74	11.50	37.758	
1,600.00	1,571.32	1,572.12	1,572.05	6.78	5.26	170.12	130.95	-162.31	458.68	446.70	11.98	38.298	
1,700.00	1,668.21	1,669.04	1,668.96	7.20	5.47	170.51	130.36	-163.12	483.13	470.67	12.46	38.760	
1,800.00	1,765.10	1,765.95	1,765.87	7.64	5.69	170.85	129.78	-163.93	507.61	494.64	12.96	39.155	
1,900.00	1,862.00	1,862.87	1,862.78	7.88	5.84	171.16	129.19	-164.74	532.10	519.20	12.90	41.254	
2,000.00	1,958.89	1,959.79	1,959.69	7.94	5.89	171.45	128.60	-165.54	556.60	543.63	12.97	42.918	
2,100.00	2,055.78	2,056.70	2,056.61	8.02	5.91	171.71	128.02	-166.35	581.11	568.09	13.03	44.608	
2,200.00	2,152.67	2,153.62	2,153.52	8.13	5.94	171.95	127.43	-167.16	605.64	592.52	13.12	46.178	
2,300.00	2,249.57	2,250.53	2,250.43	8.25	5.98	172.17	126.84	-167.97	630.17	616.94	13.23	47.623	
2,400.00	2,346.46	2,347.45	2,347.34	8.39	6.04	172.38	126.26	-168.77	654.72	641.34	13.38	48.940	
2,500.00	2,443.35	2,444.37	2,444.25	8.55	6.10	172.56	125.67	-169.58	679.27	665.71	13.55	50.127	
2,600.00	2,540.25	2,541.28	2,541.16	8.72	6.18	172.74	125.08	-170.39	703.82	690.07	13.75	51.188	
2,700.00	2,637.14	2,638.20	2,638.07	8.91	6.27	172.91	124.50	-171.20	728.38	714.41	13.97	52.125	
2,800.00	2,734.03	2,735.11	2,734.98	9.12	6.37	173.06	123.91	-172.00	752.95	738.73	14.22	52.945	
2,900.00	2,830.93	2,832.03	2,831.89	9.34	6.48	173.20	123.32	-172.81	777.52	763.03	14.49	53.654	
3,000.00	2,927.82	2,928.95	2,928.80	9.57	6.59	173.34	122.74	-173.62	802.10	787.32	14.78	54.260	
3,100.00	3,024.71	3,025.86	3,025.71	9.81	6.72	173.47	122.15	-174.43	826.68	811.59	15.09	54.770	
3,200.00	3,121.60	3,122.78	3,122.62	10.07	6.85	173.59	121.56	-175.23	851.27	835.84	15.42	55.193	
3,300.00	3,218.50	3,219.69	3,219.54	10.33	6.99	173.70	120.98	-176.04	875.85	860.08	15.77	55.537	
3,400.00	3,315.39	3,316.61	3,316.45	10.61	7.14	173.81	120.39	-176.85	900.44	884.31	16.13	55.811	
3,500.00	3,412.28	3,413.53	3,413.36	10.89	7.29	173.91	119.80	-177.65	925.04	908.53	16.51	56.021	
3,600.00	3,509.18	3,510.44	3,510.27	11.18	7.46	174.01	119.22	-178.46	949.63	932.73	16.90	56.176	
3,700.00	3,606.07	3,607.36	3,607.18	11.48	7.62	174.10	118.63	-179.27	974.23	956.92	17.31	56.281	
3,800.00	3,702.96	3,704.27	3,704.09	11.78	7.80	174.18	118.04	-180.08	998.83	981.10	17.73	56.342	
3,900.00	3,799.85	3,801.19	3,801.00	12.10	7.97	174.27	117.46	-180.88	1,023.44	1,005.28	18.16	56.366	
4,000.00	3,896.75	3,901.89	3,897.91	12.41	8.17	174.35	116.87	-181.69	1,048.04	1,029.44	18.60	56.335	
4,100.00	3,993.64	4,004.98	3,994.82	12.74	8.37	174.42	116.29	-182.50	1,072.65	1,053.58	19.07	56.261	
4,200.00	4,090.53	4,108.06	4,091.73	13.07	8.57	174.49	115.70	-183.31	1,097.25	1,077.72	19.54	56.164	
4,300.00	4,187.43	4,188.85	4,188.64	13.40	8.73	174.56	115.11	-184.11	1,121.86	1,101.89	19.97	56.174	
4,400.00	4,284.32	4,285.77	4,285.55	13.74	8.93	174.63	114.53	-184.92	1,146.48	1,126.03	20.45	56.073	
4,500.00	4,381.21	4,382.69	4,382.47	14.08	9.14	174.69	113.94	-185.73	1,171.09	1,150.16	20.93	55.958	
4,600.00	4,478.11	4,479.60	4,479.38	14.42	9.34	174.75	113.35	-186.54	1,195.70	1,174.28	21.42	55.830	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-40.22	178.87	-151.28	234.27				
100.00	100.00	101.00	101.00	3.28	3.28	-40.22	178.87	-151.28	234.27	226.74	7.53	31.116	
200.00	200.00	201.00	201.00	3.31	3.31	-40.22	178.87	-151.28	234.27	226.69	7.57	30.930	CC, ES, SF
300.00	299.98	304.81	295.18	3.35	3.35	169.62	180.30	-151.78	237.46	229.80	7.66	30.994	
400.00	399.84	405.12	394.83	3.41	3.42	170.03	182.76	-152.63	245.06	237.27	7.79	31.452	
500.00	499.45	505.76	494.15	3.49	3.51	170.54	185.22	-153.47	256.09	248.13	7.97	32.144	
600.00	598.70	606.86	593.02	3.60	3.62	171.11	187.67	-154.32	270.57	262.38	8.19	33.050	
700.00	697.47	708.53	691.32	3.76	3.75	171.71	190.11	-155.15	288.48	280.03	8.45	34.143	
800.00	795.62	789.10	788.92	3.96	3.86	172.31	192.52	-155.99	309.81	301.09	8.72	35.525	
900.00	893.06	885.92	885.70	4.21	4.01	172.91	194.92	-156.81	334.55	325.50	9.05	36.960	
1,000.00	989.96	982.16	981.90	4.50	4.16	173.50	197.30	-157.63	361.50	352.09	9.41	38.420	
1,100.00	1,086.85	1,078.38	1,078.10	4.83	4.33	174.03	199.68	-158.45	388.52	378.74	9.78	39.713	
1,200.00	1,183.75	1,174.60	1,174.29	5.19	4.51	174.48	202.06	-159.27	415.57	405.38	10.18	40.813	
1,300.00	1,280.64	1,270.83	1,270.48	5.56	4.70	174.88	204.45	-160.09	442.64	432.03	10.60	41.748	
1,400.00	1,377.53	1,367.05	1,366.67	5.95	4.89	175.24	206.83	-160.91	469.72	458.68	11.04	42.541	
1,500.00	1,474.42	1,463.27	1,462.86	6.36	5.09	175.56	209.21	-161.73	496.82	485.33	11.50	43.212	
1,600.00	1,571.32	1,559.50	1,559.05	6.78	5.30	175.84	211.59	-162.55	523.94	511.97	11.97	43.781	
1,700.00	1,668.21	1,655.72	1,655.24	7.20	5.51	176.09	213.97	-163.37	551.06	538.61	12.45	44.263	
1,800.00	1,765.10	1,751.94	1,751.43	7.64	5.73	176.33	216.35	-164.19	578.19	565.25	12.94	44.671	
1,900.00	1,862.00	1,848.17	1,847.62	7.88	5.89	176.54	218.73	-165.01	605.34	592.44	12.89	46.949	
2,000.00	1,958.89	1,944.39	1,943.81	7.94	5.96	176.73	221.12	-165.83	632.48	619.50	12.98	48.723	
2,100.00	2,055.78	2,040.61	2,040.00	8.02	5.98	176.91	223.50	-166.65	659.64	646.60	13.04	50.593	
2,200.00	2,152.67	2,136.84	2,136.19	8.13	6.00	177.07	225.88	-167.47	686.80	673.67	13.12	52.331	
2,300.00	2,249.57	2,233.06	2,232.38	8.25	6.05	177.22	228.26	-168.29	713.96	700.72	13.24	53.930	
2,400.00	2,346.46	2,329.28	2,328.57	8.39	6.10	177.36	230.64	-169.11	741.13	727.75	13.38	55.386	
2,500.00	2,443.35	2,425.51	2,424.76	8.55	6.16	177.49	233.02	-169.93	768.30	754.75	13.55	56.700	
2,600.00	2,540.25	2,521.73	2,520.95	8.72	6.24	177.61	235.41	-170.75	795.48	781.74	13.75	57.873	
2,700.00	2,637.14	2,617.95	2,617.14	8.91	6.32	177.72	237.79	-171.57	822.66	808.69	13.96	58.909	
2,800.00	2,734.03	2,714.18	2,713.33	9.12	6.41	177.83	240.17	-172.39	849.84	835.63	14.21	59.815	
2,900.00	2,830.93	2,810.40	2,809.52	9.34	6.52	177.93	242.55	-173.21	877.03	862.55	14.47	60.598	
3,000.00	2,927.82	2,906.62	2,905.71	9.57	6.63	178.02	244.93	-174.03	904.21	889.45	14.76	61.266	
3,100.00	3,024.71	3,002.85	3,001.90	9.81	6.75	178.11	247.31	-174.85	931.40	916.34	15.06	61.828	
3,200.00	3,121.60	3,100.93	3,098.10	10.07	6.88	178.19	249.70	-175.67	958.59	943.20	15.39	62.282	
3,300.00	3,218.50	3,204.71	3,194.29	10.33	7.03	178.27	252.08	-176.49	985.78	970.04	15.74	62.613	
3,400.00	3,315.39	3,308.48	3,290.48	10.61	7.19	178.34	254.46	-177.31	1,012.98	996.86	16.11	62.863	
3,500.00	3,412.28	3,387.74	3,386.67	10.89	7.31	178.41	256.84	-178.13	1,040.17	1,023.71	16.46	63.191	
3,600.00	3,509.18	3,483.97	3,482.86	11.18	7.47	178.48	259.22	-178.95	1,067.37	1,050.52	16.85	63.355	
3,700.00	3,606.07	3,580.19	3,579.05	11.48	7.63	178.54	261.60	-179.77	1,094.57	1,077.32	17.25	63.463	
3,800.00	3,702.96	3,676.41	3,675.24	11.78	7.80	178.60	263.99	-180.59	1,121.77	1,104.11	17.66	63.523	
3,900.00	3,799.85	3,772.64	3,771.43	12.10	7.98	178.66	266.37	-181.41	1,148.97	1,130.89	18.08	63.541	
4,000.00	3,896.75	3,868.86	3,867.62	12.41	8.16	178.71	268.75	-182.23	1,176.17	1,157.65	18.52	63.522	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-51.68	119.12	-150.73	192.12				
100.00	100.00	101.00	101.00	3.28	3.28	-51.68	119.12	-150.73	192.12	184.59	7.53	25.517	
200.00	200.00	201.03	201.03	3.31	3.31	-51.68	119.12	-150.73	192.12	184.54	7.57	25.365	
200.97	200.97	202.03	202.03	3.31	3.31	157.97	119.12	-150.73	192.12	184.54	7.57	25.362	CC, ES
300.00	299.98	304.08	304.05	3.35	3.35	157.66	117.27	-151.12	192.92	185.27	7.65	25.205	SF
400.00	399.84	404.11	404.02	3.41	3.41	157.23	113.60	-151.90	196.13	188.35	7.77	25.241	
500.00	499.45	503.90	503.74	3.49	3.48	157.18	109.94	-152.68	202.55	194.61	7.93	25.532	
600.00	598.70	603.42	603.19	3.60	3.58	157.47	106.29	-153.46	212.18	204.03	8.14	26.059	
700.00	697.47	702.56	702.25	3.76	3.70	158.04	102.65	-154.23	225.03	216.63	8.40	26.802	
800.00	795.62	801.18	800.81	3.96	3.83	158.83	99.03	-155.00	241.13	232.44	8.69	27.738	
900.00	893.06	900.83	898.73	4.21	3.99	159.75	95.44	-155.76	260.51	251.47	9.03	28.837	
1,000.00	989.96	1,003.30	996.19	4.50	4.16	160.79	91.86	-156.52	282.04	272.63	9.41	29.967	
1,100.00	1,086.85	1,105.78	1,093.64	4.83	4.34	161.71	88.28	-157.28	303.70	293.89	9.81	30.952	
1,200.00	1,183.75	1,191.74	1,191.09	5.19	4.50	162.51	84.70	-158.04	325.43	315.22	10.21	31.882	
1,300.00	1,280.64	1,289.25	1,288.54	5.56	4.69	163.21	81.12	-158.81	347.20	336.56	10.65	32.615	
1,400.00	1,377.53	1,386.77	1,385.99	5.95	4.89	163.83	77.54	-159.57	369.02	357.92	11.10	33.237	
1,500.00	1,474.42	1,484.29	1,483.44	6.36	5.10	164.37	73.96	-160.33	390.88	379.30	11.58	33.764	
1,600.00	1,571.32	1,581.81	1,580.89	6.78	5.31	164.86	70.39	-161.09	412.77	400.70	12.07	34.211	
1,700.00	1,668.21	1,679.33	1,678.34	7.20	5.53	165.30	66.81	-161.85	434.68	422.11	12.57	34.591	
1,800.00	1,765.10	1,776.85	1,775.79	7.64	5.76	165.70	63.23	-162.61	456.61	443.53	13.08	34.914	
1,900.00	1,862.00	1,874.36	1,873.24	7.88	5.90	166.06	59.65	-163.37	478.57	465.56	13.00	36.801	
2,000.00	1,958.89	1,971.88	1,970.68	7.94	5.94	166.39	56.07	-164.13	500.54	487.47	13.06	38.314	
2,100.00	2,055.78	2,069.40	2,068.13	8.02	5.97	166.69	52.49	-164.89	522.52	509.40	13.12	39.812	
2,200.00	2,152.67	2,166.92	2,165.58	8.13	6.00	166.97	48.92	-165.65	544.52	531.30	13.22	41.202	
2,300.00	2,249.57	2,264.44	2,263.03	8.25	6.05	167.23	45.34	-166.41	566.53	553.19	13.34	42.478	
2,400.00	2,346.46	2,361.95	2,360.48	8.39	6.11	167.46	41.76	-167.17	588.54	575.06	13.49	43.638	
2,500.00	2,443.35	2,459.47	2,457.93	8.55	6.18	167.68	38.18	-167.93	610.57	596.91	13.66	44.682	
2,600.00	2,540.25	2,556.99	2,555.38	8.72	6.27	167.89	34.60	-168.69	632.61	618.74	13.87	45.611	
2,700.00	2,637.14	2,654.51	2,652.83	8.91	6.36	168.08	31.02	-169.45	654.65	640.55	14.10	46.430	
2,800.00	2,734.03	2,752.03	2,750.28	9.12	6.46	168.26	27.44	-170.22	676.70	662.34	14.35	47.144	
2,900.00	2,830.93	2,849.54	2,847.73	9.34	6.58	168.42	23.87	-170.98	698.75	684.12	14.63	47.759	
3,000.00	2,927.82	2,947.06	2,945.18	9.57	6.70	168.58	20.29	-171.74	720.81	705.88	14.93	48.282	
3,100.00	3,024.71	3,044.58	3,042.63	9.81	6.83	168.73	16.71	-172.50	742.88	727.63	15.25	48.721	
3,200.00	3,121.60	3,142.10	3,140.08	10.07	6.97	168.87	13.13	-173.26	764.94	749.36	15.58	49.082	
3,300.00	3,218.50	3,239.62	3,237.53	10.33	7.12	169.00	9.55	-174.02	787.02	771.08	15.94	49.374	
3,400.00	3,315.39	3,337.13	3,334.98	10.61	7.28	169.12	5.97	-174.78	809.09	792.78	16.31	49.604	
3,500.00	3,412.28	3,434.65	3,432.43	10.89	7.44	169.24	2.39	-175.54	831.17	814.48	16.70	49.778	
3,600.00	3,509.18	3,532.17	3,529.88	11.18	7.61	169.35	-1.18	-176.30	853.26	836.16	17.10	49.903	
3,700.00	3,606.07	3,629.69	3,627.32	11.48	7.78	169.46	-4.76	-177.06	875.34	857.83	17.51	49.985	
3,800.00	3,702.96	3,727.21	3,724.77	11.78	7.97	169.56	-8.34	-177.82	897.43	879.49	17.94	50.029	
3,900.00	3,799.85	3,824.73	3,822.22	12.10	8.15	169.65	-11.92	-178.58	919.52	901.15	18.38	50.040	
4,000.00	3,896.75	3,922.24	3,919.67	12.41	8.34	169.74	-15.50	-179.34	941.62	922.79	18.82	50.023	
4,100.00	3,993.64	4,019.76	4,017.12	12.74	8.54	169.83	-19.08	-180.10	963.71	944.43	19.28	49.981	
4,200.00	4,090.53	4,117.28	4,114.57	13.07	8.74	169.91	-22.66	-180.86	985.81	966.06	19.75	49.919	
4,300.00	4,187.43	4,214.80	4,212.02	13.40	8.94	169.99	-26.23	-181.62	1,007.91	987.69	20.22	49.838	
4,400.00	4,284.32	4,312.32	4,309.47	13.74	9.15	170.07	-29.81	-182.39	1,030.01	1,009.31	20.71	49.743	
4,500.00	4,381.21	4,409.83	4,406.92	14.08	9.36	170.14	-33.39	-183.15	1,052.12	1,030.92	21.20	49.635	
4,600.00	4,478.11	4,507.35	4,504.37	14.42	9.57	170.21	-36.97	-183.91	1,074.22	1,052.53	21.69	49.516	
4,700.00	4,575.00	4,604.87	4,601.82	14.77	9.79	170.28	-40.55	-184.67	1,096.33	1,074.13	22.20	49.389	
4,800.00	4,671.89	4,702.39	4,699.27	15.12	10.01	170.34	-44.13	-185.43	1,118.44	1,095.73	22.71	49.254	
4,900.00	4,768.78	4,800.09	4,796.72	15.48	10.23	170.40	-47.70	-186.19	1,140.55	1,117.32	23.22	49.113	
5,000.00	4,865.68	4,902.58	4,894.17	15.84	10.47	170.46	-51.28	-186.95	1,162.66	1,138.90	23.75	48.945	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

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

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

Offset Site Error: 0.00 usft

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	4,962.57	5,005.06	4,991.62	16.20	10.71	170.52	-54.86	-187.71	1,184.77	1,160.48	24.29	48.773	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-32.38	238.97	-151.56	282.98				
100.00	100.00	101.00	101.00	3.28	3.28	-32.38	238.97	-151.56	282.98	275.45	7.53	37.586	
200.00	200.00	201.00	201.00	3.31	3.31	-32.38	238.97	-151.56	282.98	275.41	7.57	37.361	CC, ES, SF
300.00	299.98	292.72	292.71	3.35	3.35	177.41	240.47	-151.71	286.19	278.53	7.66	37.385	
400.00	399.84	383.95	383.82	3.41	3.41	177.83	244.85	-152.13	295.73	287.95	7.78	38.032	
500.00	499.45	480.10	479.72	3.49	3.49	178.46	251.79	-152.80	310.91	302.96	7.95	39.130	
600.00	598.70	578.26	577.61	3.60	3.60	179.07	259.01	-153.49	329.70	321.53	8.16	40.396	
700.00	697.47	675.70	674.78	3.76	3.72	179.61	266.18	-154.18	351.93	343.52	8.42	41.808	
800.00	795.62	772.30	771.12	3.96	3.85	-179.90	273.29	-154.87	377.59	368.88	8.71	43.340	
900.00	893.06	867.95	866.51	4.21	4.01	-179.48	280.33	-155.55	406.62	397.58	9.04	44.971	
1,000.00	989.96	962.92	961.22	4.50	4.17	-179.12	287.32	-156.22	437.83	428.43	9.40	46.593	
1,100.00	1,086.85	1,057.88	1,055.92	4.83	4.35	-178.81	294.31	-156.89	469.09	459.32	9.77	48.027	
1,200.00	1,183.75	1,152.84	1,150.62	5.19	4.53	-178.54	301.30	-157.56	500.36	490.20	10.16	49.237	
1,300.00	1,280.64	1,247.80	1,245.32	5.56	4.73	-178.30	308.29	-158.24	531.64	521.06	10.58	50.253	
1,400.00	1,377.53	1,342.76	1,340.02	5.95	4.93	-178.09	315.28	-158.91	562.93	551.92	11.02	51.104	
1,500.00	1,474.42	1,437.72	1,434.72	6.36	5.14	-177.89	322.27	-159.58	594.23	582.76	11.47	51.815	
1,600.00	1,571.32	1,532.68	1,529.41	6.78	5.35	-177.72	329.25	-160.26	625.53	613.59	11.94	52.408	
1,700.00	1,668.21	1,627.63	1,624.11	7.20	5.57	-177.57	336.24	-160.93	656.84	644.42	12.42	52.901	
1,800.00	1,765.10	1,722.59	1,718.81	7.64	5.80	-177.43	343.23	-161.60	688.14	675.24	12.91	53.312	
1,900.00	1,862.00	1,817.55	1,813.51	7.88	6.03	-177.30	350.22	-162.27	719.46	706.54	12.92	55.697	
2,000.00	1,958.89	1,912.51	1,908.21	7.94	6.26	-177.18	357.21	-162.95	750.77	737.61	13.17	57.020	
2,100.00	2,055.78	2,007.47	2,002.91	8.02	6.50	-177.07	364.20	-163.62	782.09	768.65	13.44	58.203	
2,200.00	2,152.67	2,102.43	2,097.61	8.13	6.74	-176.97	371.18	-164.29	813.41	799.69	13.73	59.254	
2,300.00	2,249.57	2,202.61	2,192.31	8.25	6.99	-176.88	378.17	-164.97	844.74	830.69	14.05	60.123	
2,400.00	2,346.46	2,307.65	2,287.01	8.39	7.27	-176.79	385.16	-165.64	876.06	861.66	14.40	60.823	
2,500.00	2,443.35	2,387.31	2,381.71	8.55	7.47	-176.71	392.15	-166.31	907.39	892.68	14.71	61.682	
2,600.00	2,540.25	2,482.27	2,476.41	8.72	7.72	-176.63	399.14	-166.98	938.72	923.64	15.07	62.278	
2,700.00	2,637.14	2,577.23	2,571.11	8.91	7.97	-176.56	406.13	-167.66	970.04	954.59	15.45	62.782	
2,800.00	2,734.03	2,672.18	2,665.81	9.12	8.23	-176.50	413.11	-168.33	1,001.38	985.53	15.84	63.202	
2,900.00	2,830.93	2,767.14	2,760.50	9.34	8.48	-176.44	420.10	-169.00	1,032.71	1,016.46	16.25	63.548	
3,000.00	2,927.82	2,862.10	2,855.20	9.57	8.74	-176.38	427.09	-169.68	1,064.04	1,047.37	16.67	63.827	
3,100.00	3,024.71	2,957.06	2,949.90	9.81	8.99	-176.32	434.08	-170.35	1,095.37	1,078.27	17.10	64.047	
3,200.00	3,121.60	3,052.02	3,044.60	10.07	9.25	-176.27	441.07	-171.02	1,126.71	1,109.16	17.55	64.216	
3,300.00	3,218.50	3,146.98	3,139.30	10.33	9.51	-176.22	448.06	-171.69	1,158.04	1,140.04	18.00	64.338	
3,400.00	3,315.39	3,241.94	3,234.00	10.61	9.77	-176.18	455.05	-172.37	1,189.38	1,170.92	18.46	64.421	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-34.69	218.94	-151.56	266.28				
100.00	100.00	101.00	101.00	3.28	3.28	-34.69	218.94	-151.56	266.28	258.75	7.53	35.367	
200.00	200.00	201.00	201.00	3.31	3.31	-34.69	218.94	-151.56	266.28	258.71	7.57	35.156	CC, ES, SF
300.00	299.98	293.29	293.27	3.35	3.35	175.14	220.45	-151.72	269.46	261.81	7.66	35.199	
400.00	399.84	385.06	384.93	3.41	3.41	175.64	224.88	-152.19	278.95	271.17	7.78	35.870	
500.00	499.45	481.90	481.53	3.49	3.50	176.39	231.76	-152.91	293.93	285.99	7.95	36.985	
600.00	598.70	580.08	579.45	3.60	3.60	177.12	238.83	-153.65	312.49	304.32	8.16	38.277	
700.00	697.47	677.55	676.66	3.76	3.72	177.79	245.84	-154.39	334.50	326.08	8.42	39.726	
800.00	795.62	774.19	773.04	3.96	3.86	178.39	252.80	-155.12	359.95	351.23	8.71	41.302	
900.00	893.06	869.87	868.48	4.21	4.01	178.92	259.69	-155.85	388.78	379.74	9.04	42.984	
1,000.00	989.96	964.89	963.24	4.50	4.17	179.39	266.52	-156.56	419.80	410.40	9.40	44.660	
1,100.00	1,086.85	1,059.88	1,057.99	4.83	4.35	179.81	273.36	-157.28	450.89	441.12	9.77	46.148	
1,200.00	1,183.75	1,154.88	1,152.74	5.19	4.53	-179.84	280.20	-158.00	481.99	471.83	10.17	47.413	
1,300.00	1,280.64	1,249.88	1,247.49	5.56	4.73	-179.52	287.04	-158.72	513.11	502.53	10.58	48.485	
1,400.00	1,377.53	1,344.88	1,342.24	5.95	4.93	-179.24	293.87	-159.44	544.24	533.23	11.02	49.391	
1,500.00	1,474.42	1,439.88	1,436.99	6.36	5.14	-179.00	300.71	-160.16	575.39	563.91	11.47	50.156	
1,600.00	1,571.32	1,534.88	1,531.74	6.78	5.35	-178.77	307.55	-160.88	606.54	594.60	11.94	50.802	
1,700.00	1,668.21	1,629.88	1,626.49	7.20	5.57	-178.57	314.38	-161.59	637.70	625.28	12.42	51.346	
1,800.00	1,765.10	1,724.88	1,721.24	7.64	5.80	-178.39	321.22	-162.31	668.86	655.95	12.91	51.805	
1,900.00	1,862.00	1,819.88	1,815.99	7.88	6.00	-178.22	328.06	-163.03	700.03	687.13	12.90	54.278	
2,000.00	1,958.89	1,914.88	1,910.74	7.94	6.11	-178.07	334.90	-163.75	731.21	718.19	13.02	56.165	
2,100.00	2,055.78	2,009.88	2,005.49	8.02	6.12	-177.93	341.73	-164.47	762.38	749.31	13.07	58.318	
2,200.00	2,152.67	2,104.88	2,100.24	8.13	6.16	-177.80	348.57	-165.19	793.57	780.41	13.16	60.310	
2,300.00	2,249.57	2,199.88	2,195.00	8.25	6.20	-177.69	355.41	-165.91	824.75	811.48	13.27	62.149	
2,400.00	2,346.46	2,294.88	2,289.75	8.39	6.25	-177.58	362.25	-166.62	855.94	842.53	13.41	63.824	
2,500.00	2,443.35	2,389.87	2,384.50	8.55	6.31	-177.47	369.08	-167.34	887.14	873.56	13.58	65.337	
2,600.00	2,540.25	2,484.87	2,479.25	8.72	6.39	-177.38	375.92	-168.06	918.33	904.56	13.77	66.689	
2,700.00	2,637.14	2,579.87	2,574.00	8.91	6.47	-177.29	382.76	-168.78	949.53	935.54	13.99	67.885	
2,800.00	2,734.03	2,674.87	2,668.75	9.12	6.57	-177.21	389.59	-169.50	980.72	966.50	14.23	68.932	
2,900.00	2,830.93	2,769.87	2,763.50	9.34	6.67	-177.13	396.43	-170.22	1,011.93	997.44	14.49	69.838	
3,000.00	2,927.82	2,864.87	2,858.25	9.57	6.79	-177.05	403.27	-170.94	1,043.13	1,028.35	14.77	70.612	
3,100.00	3,024.71	2,959.87	2,953.00	9.81	6.91	-176.98	410.11	-171.65	1,074.33	1,059.26	15.08	71.264	
3,200.00	3,121.60	3,054.87	3,047.75	10.07	7.04	-176.92	416.94	-172.37	1,105.54	1,090.14	15.40	71.805	
3,300.00	3,218.50	3,149.87	3,142.50	10.33	7.17	-176.86	423.78	-173.09	1,136.74	1,121.01	15.73	72.245	
3,400.00	3,315.39	3,244.87	3,237.25	10.61	7.32	-176.80	430.62	-173.81	1,167.95	1,151.86	16.09	72.593	
3,500.00	3,412.28	3,339.87	3,332.00	10.89	7.47	-176.74	437.45	-174.53	1,199.16	1,182.70	16.46	72.859	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-37.26	198.90	-151.28	249.90				
100.00	100.00	101.00	101.00	3.28	3.28	-37.26	198.90	-151.28	249.90	242.37	7.53	33.191	
200.00	200.00	201.00	201.00	3.31	3.31	-37.26	198.90	-151.28	249.90	242.32	7.57	32.993	CC, ES, SF
300.00	299.98	293.66	293.64	3.35	3.35	172.60	200.41	-151.54	253.09	245.43	7.66	33.060	
400.00	399.84	409.86	390.03	3.41	3.43	173.14	204.55	-152.23	262.13	254.34	7.80	33.624	
500.00	499.45	489.27	489.06	3.49	3.50	173.77	209.07	-152.99	274.90	266.95	7.95	34.564	
600.00	598.70	587.89	587.57	3.60	3.60	174.40	213.57	-153.74	291.14	282.97	8.17	35.639	
700.00	697.47	685.87	685.44	3.76	3.72	175.01	218.04	-154.49	310.83	302.41	8.42	36.894	
800.00	795.62	783.09	782.56	3.96	3.86	175.59	222.47	-155.23	333.96	325.24	8.72	38.302	
900.00	893.06	879.44	878.81	4.21	4.00	176.13	226.86	-155.96	360.49	351.44	9.05	39.839	
1,000.00	989.96	975.17	974.44	4.50	4.16	176.65	231.23	-156.69	389.22	379.81	9.40	41.387	
1,100.00	1,086.85	1,070.89	1,070.05	4.83	4.33	177.10	235.59	-157.42	418.02	408.24	9.78	42.759	
1,200.00	1,183.75	1,166.60	1,165.66	5.19	4.51	177.49	239.96	-158.16	446.83	436.66	10.17	43.926	
1,300.00	1,280.64	1,262.32	1,261.28	5.56	4.70	177.83	244.32	-158.89	475.67	465.08	10.59	44.914	
1,400.00	1,377.53	1,358.03	1,356.89	5.95	4.90	178.14	248.69	-159.62	504.52	493.49	11.03	45.751	
1,500.00	1,474.42	1,453.75	1,452.50	6.36	5.10	178.41	253.05	-160.35	533.38	521.90	11.48	46.458	
1,600.00	1,571.32	1,549.47	1,548.12	6.78	5.31	178.65	257.42	-161.08	562.25	550.30	11.95	47.055	
1,700.00	1,668.21	1,645.18	1,643.73	7.20	5.52	178.87	261.78	-161.81	591.13	578.70	12.43	47.559	
1,800.00	1,765.10	1,740.90	1,739.34	7.64	5.74	179.07	266.15	-162.54	620.01	607.09	12.92	47.985	
1,900.00	1,862.00	1,836.61	1,834.96	7.88	5.96	179.26	270.51	-163.27	648.91	635.98	12.93	50.199	
2,000.00	1,958.89	1,932.33	1,930.57	7.94	6.19	179.42	274.88	-164.00	677.81	664.63	13.17	51.456	
2,100.00	2,055.78	2,028.04	2,026.18	8.02	6.42	179.57	279.24	-164.73	706.71	693.27	13.44	52.585	
2,200.00	2,152.67	2,123.76	2,121.80	8.13	6.65	179.72	283.61	-165.46	735.61	721.89	13.73	53.592	
2,300.00	2,249.57	2,219.48	2,217.41	8.25	6.88	179.85	287.97	-166.19	764.53	750.49	14.03	54.482	
2,400.00	2,346.46	2,315.19	2,313.02	8.39	7.12	179.97	292.34	-166.92	793.44	779.08	14.36	55.262	
2,500.00	2,443.35	2,410.91	2,408.64	8.55	7.36	-179.92	296.70	-167.65	822.36	807.66	14.70	55.940	
2,600.00	2,540.25	2,506.62	2,504.25	8.72	7.60	-179.82	301.06	-168.38	851.28	836.22	15.06	56.524	
2,700.00	2,637.14	2,602.34	2,599.86	8.91	7.84	-179.72	305.43	-169.11	880.20	864.76	15.44	57.022	
2,800.00	2,734.03	2,701.95	2,695.48	9.12	8.10	-179.63	309.79	-169.84	909.12	893.29	15.84	57.407	
2,900.00	2,830.93	2,806.23	2,791.09	9.34	8.36	-179.54	314.16	-170.57	938.05	921.79	16.26	57.679	
3,000.00	2,927.82	2,889.49	2,886.70	9.57	8.58	-179.46	318.52	-171.30	966.98	950.33	16.65	58.080	
3,100.00	3,024.71	2,985.20	2,982.32	9.81	8.83	-179.39	322.89	-172.03	995.91	978.83	17.08	58.311	
3,200.00	3,121.60	3,080.92	3,077.93	10.07	9.08	-179.31	327.25	-172.76	1,024.84	1,007.32	17.52	58.493	
3,300.00	3,218.50	3,176.63	3,173.54	10.33	9.33	-179.25	331.62	-173.49	1,053.77	1,035.80	17.97	58.632	
3,400.00	3,315.39	3,272.35	3,269.16	10.61	9.58	-179.18	335.98	-174.22	1,082.71	1,064.27	18.43	58.733	
3,500.00	3,412.28	3,368.06	3,364.77	10.89	9.83	-179.12	340.35	-174.95	1,111.64	1,092.74	18.91	58.801	
3,600.00	3,509.18	3,463.78	3,460.38	11.18	10.09	-179.06	344.71	-175.68	1,140.58	1,121.19	19.38	58.840	
3,700.00	3,606.07	3,559.50	3,556.00	11.48	10.34	-179.01	349.08	-176.41	1,169.52	1,149.64	19.87	58.854	
3,800.00	3,702.96	3,655.21	3,651.61	11.78	10.59	-178.96	353.44	-177.14	1,198.45	1,178.09	20.37	58.847	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.36	220.03	-1.39	220.03				
100.00	100.00	100.00	100.00	3.28	3.28	-0.36	220.03	-1.39	220.03	212.51	7.53	29.225	
200.00	200.00	200.00	200.00	3.31	3.31	-0.36	220.03	-1.39	220.03	212.46	7.57	29.052	CC, ES
300.00	299.98	297.51	297.50	3.35	3.35	-150.50	220.58	0.17	222.11	214.46	7.66	29.010	SF
400.00	399.84	394.75	394.60	3.41	3.41	-149.89	222.22	4.85	228.35	220.57	7.78	29.352	
500.00	499.45	491.42	490.92	3.49	3.50	-148.94	224.94	12.58	238.78	230.82	7.95	30.026	
600.00	598.70	587.75	586.57	3.60	3.61	-147.74	228.70	23.29	253.40	245.22	8.18	30.989	
700.00	697.47	686.04	684.03	3.76	3.75	-146.76	232.92	35.31	271.43	262.97	8.46	32.093	
800.00	795.62	783.81	780.98	3.96	3.91	-146.23	237.12	47.28	292.35	283.56	8.79	33.263	
900.00	893.06	880.94	877.29	4.21	4.09	-146.07	241.29	59.16	316.10	306.93	9.17	34.475	
1,000.00	989.96	977.60	973.13	4.50	4.29	-146.33	245.45	70.98	341.68	332.09	9.59	35.636	
1,100.00	1,086.85	1,074.25	1,068.97	4.83	4.50	-146.60	249.60	82.81	367.30	357.27	10.03	36.604	
1,200.00	1,183.75	1,170.90	1,164.80	5.19	4.73	-146.84	253.75	94.63	392.93	382.42	10.51	37.382	
1,300.00	1,280.64	1,267.55	1,260.63	5.56	4.97	-147.04	257.90	106.45	418.56	407.55	11.01	38.001	
1,400.00	1,377.53	1,364.20	1,356.46	5.95	5.21	-147.22	262.06	118.28	444.20	432.66	11.54	38.492	
1,500.00	1,474.42	1,460.84	1,452.30	6.36	5.47	-147.39	266.21	130.10	469.84	457.76	12.08	38.879	
1,600.00	1,571.32	1,557.49	1,548.13	6.78	5.73	-147.53	270.36	141.93	495.49	482.84	12.65	39.181	
1,700.00	1,668.21	1,654.14	1,643.96	7.20	6.00	-147.66	274.51	153.75	521.14	507.92	13.22	39.416	
1,800.00	1,765.10	1,750.79	1,739.79	7.64	6.27	-147.78	278.66	165.57	546.79	532.98	13.81	39.596	
1,900.00	1,862.00	1,847.44	1,835.63	7.88	6.55	-147.89	282.82	177.40	572.44	558.55	13.89	41.211	
2,000.00	1,958.89	1,944.09	1,931.46	7.94	6.83	-147.99	286.97	189.22	598.09	583.89	14.20	42.110	
2,100.00	2,055.78	2,040.73	2,027.29	8.02	7.12	-148.08	291.12	201.04	623.75	609.21	14.54	42.905	
2,200.00	2,152.67	2,137.38	2,123.12	8.13	7.41	-148.17	295.27	212.87	649.41	634.51	14.89	43.604	
2,300.00	2,249.57	2,234.03	2,218.96	8.25	7.70	-148.24	299.42	224.69	675.06	659.79	15.27	44.211	
2,400.00	2,346.46	2,330.68	2,314.79	8.39	7.99	-148.32	303.58	236.51	700.72	685.06	15.66	44.735	
2,500.00	2,443.35	2,427.33	2,410.62	8.55	8.29	-148.38	307.73	248.34	726.38	710.31	16.08	45.182	
2,600.00	2,540.25	2,523.98	2,506.45	8.72	8.59	-148.44	311.88	260.16	752.04	735.54	16.51	45.560	
2,700.00	2,637.14	2,620.63	2,602.29	8.91	8.89	-148.50	316.03	271.99	777.70	760.75	16.95	45.875	
2,800.00	2,734.03	2,717.27	2,698.12	9.12	9.19	-148.56	320.19	283.81	803.37	785.95	17.41	46.133	
2,900.00	2,830.93	2,813.92	2,793.95	9.34	9.50	-148.61	324.34	295.63	829.03	811.14	17.89	46.342	
3,000.00	2,927.82	2,910.57	2,889.79	9.57	9.80	-148.66	328.49	307.46	854.69	836.32	18.38	46.506	
3,100.00	3,024.71	3,007.22	2,985.62	9.81	10.11	-148.70	332.64	319.28	880.36	861.48	18.88	46.632	
3,200.00	3,121.60	3,103.87	3,081.45	10.07	10.42	-148.74	336.79	331.10	906.02	886.63	19.39	46.723	
3,300.00	3,218.50	3,200.52	3,177.28	10.33	10.73	-148.78	340.95	342.93	931.69	911.77	19.91	46.785	
3,400.00	3,315.39	3,302.84	3,273.12	10.61	11.06	-148.82	345.10	354.75	957.35	936.89	20.46	46.781	
3,500.00	3,412.28	3,406.19	3,368.95	10.89	11.39	-148.86	349.25	366.57	983.02	961.99	21.03	46.748	
3,600.00	3,509.18	3,509.54	3,464.78	11.18	11.72	-148.89	353.40	378.40	1,008.68	987.09	21.60	46.699	
3,700.00	3,606.07	3,587.11	3,560.61	11.48	11.97	-148.92	357.56	390.22	1,034.35	1,012.25	22.10	46.811	
3,800.00	3,702.96	3,683.76	3,656.45	11.78	12.29	-148.96	361.71	402.05	1,060.02	1,037.36	22.66	46.777	
3,900.00	3,799.85	3,780.41	3,752.28	12.10	12.60	-148.99	365.86	413.87	1,085.68	1,062.45	23.23	46.730	
4,000.00	3,896.75	3,877.06	3,848.11	12.41	12.91	-149.01	370.01	425.69	1,111.35	1,087.54	23.81	46.674	
4,100.00	3,993.64	3,973.70	3,943.94	12.74	13.23	-149.04	374.16	437.52	1,137.02	1,112.63	24.39	46.610	
4,200.00	4,090.53	4,070.35	4,039.78	13.07	13.54	-149.07	378.32	449.34	1,162.69	1,137.70	24.98	46.539	
4,300.00	4,187.43	4,167.00	4,135.61	13.40	13.86	-149.09	382.47	461.16	1,188.36	1,162.78	25.58	46.462	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.40	200.00	-1.39	200.00				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	200.00	-1.39	200.00	192.47	7.53	26.565	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	200.00	-1.39	200.00	192.43	7.57	26.407	CC, ES
300.00	299.98	297.89	297.87	3.35	3.35	-150.51	200.51	0.20	202.04	194.39	7.66	26.389	SF
400.00	399.84	395.50	395.34	3.41	3.41	-149.83	202.06	4.95	208.18	200.40	7.78	26.758	
500.00	499.45	492.56	492.05	3.49	3.50	-148.78	204.61	12.80	218.43	210.48	7.95	27.465	
600.00	598.70	588.83	587.64	3.60	3.61	-147.46	208.14	23.66	232.84	224.66	8.18	28.471	
700.00	697.47	687.12	685.02	3.76	3.75	-146.29	212.24	36.29	250.81	242.35	8.46	29.643	
800.00	795.62	784.89	781.91	3.96	3.92	-145.64	216.32	48.84	271.66	262.87	8.80	30.888	
900.00	893.06	882.05	878.17	4.21	4.10	-145.41	220.37	61.32	295.33	286.15	9.18	32.176	
1,000.00	989.96	978.74	973.97	4.50	4.30	-145.63	224.41	73.73	320.81	311.21	9.60	33.409	
1,100.00	1,086.85	1,075.42	1,069.77	4.83	4.52	-145.87	228.44	86.15	346.33	336.27	10.05	34.447	
1,200.00	1,183.75	1,172.10	1,165.56	5.19	4.75	-146.07	232.48	98.56	371.85	361.31	10.54	35.291	
1,300.00	1,280.64	1,268.78	1,261.36	5.56	4.99	-146.25	236.51	110.98	397.38	386.33	11.05	35.974	
1,400.00	1,377.53	1,365.46	1,357.15	5.95	5.24	-146.41	240.54	123.40	422.91	411.33	11.58	36.526	
1,500.00	1,474.42	1,462.14	1,452.95	6.36	5.50	-146.55	244.58	135.81	448.44	436.31	12.13	36.970	
1,600.00	1,571.32	1,558.82	1,548.74	6.78	5.77	-146.67	248.61	148.23	473.98	461.28	12.70	37.326	
1,700.00	1,668.21	1,655.50	1,644.54	7.20	6.04	-146.78	252.65	160.64	499.51	486.23	13.28	37.611	
1,800.00	1,765.10	1,752.18	1,740.33	7.64	6.32	-146.88	256.68	173.06	525.05	511.18	13.88	37.839	
1,900.00	1,862.00	1,848.86	1,836.13	7.88	6.54	-146.97	260.71	185.47	550.59	536.70	13.90	39.621	
2,000.00	1,958.89	1,945.54	1,931.92	7.94	6.63	-147.05	264.75	197.89	576.13	562.11	14.02	41.087	
2,100.00	2,055.78	2,042.22	2,027.72	8.02	6.67	-147.13	268.78	210.30	601.68	587.57	14.11	42.648	
2,200.00	2,152.67	2,138.90	2,123.51	8.13	6.72	-147.20	272.82	222.72	627.22	612.99	14.23	44.093	
2,300.00	2,249.57	2,235.58	2,219.30	8.25	6.78	-147.26	276.85	235.13	652.76	638.39	14.37	45.417	
2,400.00	2,346.46	2,332.26	2,315.10	8.39	6.85	-147.32	280.88	247.55	678.31	663.76	14.55	46.620	
2,500.00	2,443.35	2,428.94	2,410.89	8.55	6.94	-147.38	284.92	259.96	703.85	689.10	14.76	47.702	
2,600.00	2,540.25	2,525.62	2,506.69	8.72	7.04	-147.43	288.95	272.38	729.40	714.41	14.99	48.666	
2,700.00	2,637.14	2,622.30	2,602.48	8.91	7.15	-147.47	292.99	284.79	754.95	739.70	15.25	49.516	
2,800.00	2,734.03	2,718.98	2,698.28	9.12	7.27	-147.52	297.02	297.21	780.49	764.96	15.53	50.259	
2,900.00	2,830.93	2,815.66	2,794.07	9.34	7.41	-147.56	301.05	309.62	806.04	790.20	15.84	50.900	
3,000.00	2,927.82	2,912.34	2,889.87	9.57	7.55	-147.60	305.09	322.04	831.59	815.42	16.16	51.448	
3,100.00	3,024.71	3,009.02	2,985.66	9.81	7.70	-147.64	309.12	334.45	857.14	840.62	16.51	51.909	
3,200.00	3,121.60	3,105.70	3,081.46	10.07	7.86	-147.67	313.16	346.87	882.68	865.80	16.88	52.292	
3,300.00	3,218.50	3,202.38	3,177.25	10.33	8.03	-147.70	317.19	359.28	908.23	890.97	17.27	52.605	
3,400.00	3,315.39	3,300.94	3,273.05	10.61	8.21	-147.74	321.22	371.70	933.78	916.11	17.67	52.843	
3,500.00	3,412.28	3,395.74	3,368.84	10.89	8.39	-147.76	325.26	384.11	959.33	941.25	18.09	53.045	
3,600.00	3,509.18	3,507.58	3,464.64	11.18	8.61	-147.79	329.29	396.53	984.88	966.33	18.55	53.099	
3,700.00	3,606.07	3,589.10	3,560.43	11.48	8.78	-147.82	333.32	408.94	1,010.43	991.47	18.96	53.284	
3,800.00	3,702.96	3,685.78	3,656.22	11.78	8.98	-147.84	337.36	421.36	1,035.98	1,016.56	19.42	53.343	
3,900.00	3,799.85	3,782.46	3,752.02	12.10	9.19	-147.87	341.39	433.78	1,061.53	1,041.64	19.89	53.368	
4,000.00	3,896.75	3,879.14	3,847.81	12.41	9.40	-147.89	345.43	446.19	1,087.08	1,066.71	20.37	53.363	
4,100.00	3,993.64	3,975.82	3,943.61	12.74	9.62	-147.91	349.46	458.61	1,112.63	1,091.77	20.86	53.334	
4,200.00	4,090.53	4,072.50	4,039.40	13.07	9.84	-147.93	353.49	471.02	1,138.18	1,116.82	21.36	53.282	
4,300.00	4,187.43	4,169.18	4,135.20	13.40	10.07	-147.95	357.53	483.44	1,163.73	1,141.86	21.87	53.211	
4,400.00	4,284.32	4,265.86	4,230.99	13.74	10.30	-147.97	361.56	495.85	1,189.28	1,166.89	22.39	53.125	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	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
300.00	299.98	296.10	296.08	3.35	3.35	-150.58	240.85	-0.26	242.40	234.74	7.66	31.662	SF
400.00	399.84	391.87	391.73	3.41	3.41	-150.11	243.17	3.95	249.37	241.59	7.78	32.058	
500.00	499.45	486.99	486.51	3.49	3.50	-149.37	247.01	10.90	260.99	253.04	7.95	32.832	
600.00	598.70	581.15	580.03	3.60	3.61	-148.43	252.31	20.49	277.25	269.08	8.17	33.937	
700.00	697.47	677.20	675.09	3.76	3.74	-147.44	258.92	32.48	297.79	289.34	8.44	35.262	
800.00	795.62	774.36	771.23	3.96	3.90	-146.80	265.72	44.79	321.35	312.57	8.78	36.619	
900.00	893.06	870.81	866.66	4.21	4.09	-146.51	272.46	57.00	347.74	338.58	9.15	37.985	
1,000.00	989.96	966.74	961.58	4.50	4.29	-146.66	279.17	69.16	375.95	366.37	9.57	39.273	
1,100.00	1,086.85	1,062.66	1,056.50	4.83	4.51	-146.84	285.88	81.31	404.20	394.18	10.02	40.348	
1,200.00	1,183.75	1,158.58	1,151.41	5.19	4.74	-146.99	292.59	93.46	432.45	421.95	10.49	41.208	
1,300.00	1,280.64	1,254.50	1,246.32	5.56	4.99	-147.13	299.29	105.61	460.70	449.70	11.00	41.890	
1,400.00	1,377.53	1,350.42	1,341.23	5.95	5.24	-147.25	306.00	117.76	488.96	477.44	11.52	42.432	
1,500.00	1,474.42	1,446.34	1,436.14	6.36	5.50	-147.36	312.71	129.91	517.22	505.15	12.07	42.854	
1,600.00	1,571.32	1,542.26	1,531.05	6.78	5.77	-147.46	319.42	142.06	545.48	532.85	12.63	43.183	
1,700.00	1,668.21	1,638.18	1,625.96	7.20	6.05	-147.54	326.12	154.21	573.74	560.53	13.21	43.436	
1,800.00	1,765.10	1,734.10	1,720.87	7.64	6.33	-147.62	332.83	166.37	602.00	588.20	13.80	43.628	
1,900.00	1,862.00	1,830.02	1,815.78	7.88	6.58	-147.69	339.54	178.52	630.26	616.42	13.84	45.528	
2,000.00	1,958.89	1,925.94	1,910.69	7.94	6.70	-147.76	346.25	190.67	658.53	644.53	13.99	47.058	
2,100.00	2,055.78	2,021.86	2,005.60	8.02	6.73	-147.82	352.96	202.82	686.79	672.72	14.08	48.790	
2,200.00	2,152.67	2,117.78	2,100.51	8.13	6.78	-147.87	359.66	214.97	715.06	700.87	14.19	50.390	
2,300.00	2,249.57	2,213.70	2,195.42	8.25	6.84	-147.93	366.37	227.12	743.32	728.99	14.33	51.855	
2,400.00	2,346.46	2,309.62	2,290.33	8.39	6.92	-147.97	373.08	239.27	771.59	757.08	14.51	53.183	
2,500.00	2,443.35	2,405.54	2,385.24	8.55	7.00	-148.02	379.79	251.42	799.86	785.15	14.71	54.374	
2,600.00	2,540.25	2,501.46	2,480.15	8.72	7.10	-148.06	386.50	263.58	828.12	813.18	14.94	55.433	
2,700.00	2,637.14	2,597.38	2,575.06	8.91	7.21	-148.10	393.20	275.73	856.39	841.20	15.19	56.362	
2,800.00	2,734.03	2,706.70	2,669.97	9.12	7.35	-148.13	399.91	287.88	884.66	869.17	15.49	57.104	
2,900.00	2,830.93	2,789.22	2,764.88	9.34	7.47	-148.17	406.62	300.03	912.93	897.15	15.78	57.862	
3,000.00	2,927.82	2,885.14	2,859.79	9.57	7.61	-148.20	413.33	312.18	941.20	925.09	16.10	58.450	
3,100.00	3,024.71	2,981.06	2,954.71	9.81	7.76	-148.23	420.03	324.33	969.46	953.02	16.45	58.942	
3,200.00	3,121.60	3,076.98	3,049.62	10.07	7.92	-148.25	426.74	336.48	997.73	980.92	16.81	59.346	
3,300.00	3,218.50	3,172.90	3,144.53	10.33	8.09	-148.28	433.45	348.64	1,026.00	1,008.81	17.19	59.670	
3,400.00	3,315.39	3,268.82	3,239.44	10.61	8.26	-148.31	440.16	360.79	1,054.27	1,036.68	17.59	59.924	
3,500.00	3,412.28	3,364.74	3,334.35	10.89	8.45	-148.33	446.87	372.94	1,082.54	1,064.53	18.01	60.114	
3,600.00	3,509.18	3,460.66	3,429.26	11.18	8.64	-148.35	453.57	385.09	1,110.81	1,092.37	18.44	60.248	
3,700.00	3,606.07	3,556.58	3,524.17	11.48	8.83	-148.37	460.28	397.24	1,139.08	1,120.20	18.88	60.333	
3,800.00	3,702.96	3,652.50	3,619.08	11.78	9.03	-148.40	466.99	409.39	1,167.35	1,148.02	19.33	60.375	
3,900.00	3,799.85	3,748.42	3,713.99	12.10	9.24	-148.41	473.70	421.54	1,195.62	1,175.82	19.80	60.380	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.40	79.78	-0.56	79.78				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	79.78	-0.56	79.78	72.25	7.53	10.597	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	79.78	-0.56	79.78	72.21	7.57	10.534	CC, ES
300.00	299.98	301.81	301.79	3.35	3.35	-150.37	78.63	0.84	80.17	72.52	7.65	10.475	
400.00	399.84	403.59	403.41	3.41	3.41	-149.26	75.20	5.04	81.36	73.59	7.77	10.473	
500.00	499.45	505.31	504.73	3.49	3.50	-147.48	69.49	12.02	83.40	75.47	7.93	10.517	
600.00	598.70	606.95	605.58	3.60	3.62	-145.14	61.50	21.77	86.38	78.23	8.15	10.603	
700.00	697.47	707.72	705.12	3.76	3.78	-142.57	51.59	33.89	90.59	82.15	8.43	10.744	
800.00	795.62	807.46	803.57	3.96	3.97	-141.27	41.44	46.28	97.39	88.61	8.78	11.090	
900.00	893.06	907.00	901.82	4.21	4.18	-141.29	31.32	58.65	106.93	97.74	9.18	11.642	
1,000.00	989.96	1,006.34	999.88	4.50	4.42	-142.08	21.22	70.99	118.23	108.60	9.63	12.274	
1,100.00	1,086.85	1,105.69	1,097.93	4.83	4.67	-142.75	11.11	83.34	129.59	119.48	10.11	12.812	
1,200.00	1,183.75	1,205.03	1,195.98	5.19	4.94	-143.32	1.01	95.68	140.96	130.33	10.63	13.262	
1,300.00	1,280.64	1,304.37	1,294.04	5.56	5.22	-143.80	-9.09	108.03	152.35	141.18	11.17	13.638	
1,400.00	1,377.53	1,403.71	1,392.09	5.95	5.52	-144.22	-19.20	120.37	163.74	152.01	11.73	13.954	
1,500.00	1,474.42	1,503.06	1,490.14	6.36	5.82	-144.58	-29.30	132.71	175.15	162.83	12.32	14.219	
1,600.00	1,571.32	1,602.40	1,588.19	6.78	6.14	-144.90	-39.40	145.06	186.55	173.64	12.92	14.442	
1,700.00	1,668.21	1,701.74	1,686.25	7.20	6.46	-145.18	-49.51	157.40	197.97	184.44	13.53	14.630	
1,800.00	1,765.10	1,801.08	1,784.30	7.64	6.78	-145.43	-59.61	169.75	209.38	195.23	14.16	14.792	
1,900.00	1,862.00	1,900.42	1,882.35	7.88	6.96	-145.65	-69.71	182.09	220.81	206.69	14.11	15.645	
2,000.00	1,958.89	2,000.23	1,980.41	7.94	6.99	-145.86	-79.82	194.43	232.23	218.06	14.17	16.388	
2,100.00	2,055.78	2,099.11	2,078.46	8.02	7.05	-146.04	-89.92	206.78	243.66	229.39	14.26	17.085	
2,200.00	2,152.67	2,201.55	2,176.51	8.13	7.12	-146.21	-100.02	219.12	255.08	240.70	14.39	17.728	
2,300.00	2,249.57	2,302.21	2,274.57	8.25	7.20	-146.36	-110.13	231.46	266.51	251.97	14.55	18.320	
2,400.00	2,346.46	2,402.87	2,372.62	8.39	7.30	-146.50	-120.23	243.81	277.95	263.21	14.74	18.858	
2,500.00	2,443.35	2,503.52	2,470.67	8.55	7.42	-146.63	-130.33	256.15	289.38	274.42	14.96	19.343	
2,600.00	2,540.25	2,604.18	2,568.73	8.72	7.55	-146.75	-140.44	268.50	300.82	285.60	15.21	19.776	
2,700.00	2,637.14	2,704.84	2,666.78	8.91	7.69	-146.86	-150.54	280.84	312.25	296.76	15.49	20.159	
2,800.00	2,734.03	2,805.50	2,764.83	9.12	7.85	-146.96	-160.64	293.18	323.69	307.90	15.79	20.495	
2,900.00	2,830.93	2,906.15	2,862.89	9.34	8.01	-147.06	-170.75	305.53	335.13	319.00	16.12	20.786	
3,000.00	2,927.82	3,006.81	2,960.94	9.57	8.19	-147.14	-180.85	317.87	346.57	330.09	16.47	21.037	
3,100.00	3,024.71	3,092.53	3,058.99	9.81	8.35	-147.23	-190.95	330.22	358.01	341.19	16.82	21.283	
3,200.00	3,121.60	3,208.13	3,157.05	10.07	8.57	-147.31	-201.06	342.56	369.45	352.21	17.24	21.429	
3,300.00	3,218.50	3,308.79	3,255.10	10.33	8.78	-147.38	-211.16	354.90	380.89	363.24	17.65	21.577	
3,400.00	3,315.39	3,409.44	3,353.15	10.61	8.99	-147.45	-221.26	367.25	392.33	374.25	18.08	21.698	
3,500.00	3,412.28	3,489.90	3,451.20	10.89	9.17	-147.52	-231.37	379.59	403.77	385.29	18.48	21.845	
3,600.00	3,509.18	3,589.24	3,549.26	11.18	9.39	-147.58	-241.47	391.93	415.22	396.28	18.94	21.923	
3,700.00	3,606.07	3,688.58	3,647.31	11.48	9.63	-147.64	-251.57	404.28	426.66	407.25	19.41	21.983	
3,800.00	3,702.96	3,787.93	3,745.36	11.78	9.86	-147.69	-261.68	416.62	438.10	418.21	19.89	22.026	
3,900.00	3,799.85	3,887.27	3,843.42	12.10	10.11	-147.74	-271.78	428.97	449.55	429.16	20.38	22.054	
4,000.00	3,896.75	3,986.61	3,941.47	12.41	10.36	-147.79	-281.88	441.31	460.99	440.10	20.89	22.069	
4,100.00	3,993.64	4,085.95	4,039.52	12.74	10.61	-147.84	-291.99	453.65	472.44	451.03	21.40	22.073	
4,200.00	4,090.53	4,185.29	4,137.58	13.07	10.87	-147.89	-302.09	466.00	483.88	461.95	21.93	22.068	
4,300.00	4,187.43	4,284.64	4,235.63	13.40	11.13	-147.93	-312.19	478.34	495.33	472.87	22.46	22.054	
4,400.00	4,284.32	4,383.98	4,333.68	13.74	11.40	-147.97	-322.30	490.69	506.77	483.77	23.00	22.034	
4,500.00	4,381.21	4,483.32	4,431.74	14.08	11.67	-148.01	-332.40	503.03	518.22	494.67	23.55	22.007	
4,600.00	4,478.11	4,582.66	4,529.79	14.42	11.94	-148.05	-342.50	515.37	529.66	505.56	24.10	21.975	
4,700.00	4,575.00	4,682.00	4,627.84	14.77	12.22	-148.08	-352.61	527.72	541.11	516.45	24.66	21.939	
4,800.00	4,671.89	4,781.35	4,725.90	15.12	12.50	-148.12	-362.71	540.06	552.56	527.32	25.23	21.899	
4,900.00	4,768.78	4,880.69	4,823.95	15.48	12.78	-148.15	-372.81	552.40	564.00	538.20	25.81	21.856	
5,000.00	4,865.68	4,980.03	4,922.00	15.84	13.07	-148.18	-382.92	564.75	575.45	549.07	26.38	21.811	
5,100.00	4,962.57	5,079.37	5,020.06	16.20	13.35	-148.22	-393.02	577.09	586.90	559.93	26.97	21.763	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30B-M - Wellbore #1 - Design #1

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

Offset Site Error: 0.00 usft

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	5,059.46	5,178.72	5,118.11	16.56	13.64	-148.24	-403.12	589.44	598.35	570.79	27.56	21.714	
5,300.00	5,156.36	5,278.06	5,216.16	16.92	13.94	-148.27	-413.23	601.78	609.79	581.65	28.15	21.664	
5,400.00	5,253.25	5,377.40	5,314.21	17.29	14.23	-148.30	-423.33	614.12	621.24	592.50	28.74	21.613	
5,500.00	5,350.14	5,476.74	5,412.27	17.66	14.53	-148.33	-433.43	626.47	632.69	603.34	29.34	21.561	
5,600.00	5,447.03	5,576.08	5,510.32	18.03	14.82	-148.35	-443.54	638.81	644.14	614.19	29.95	21.509	
5,700.00	5,543.93	5,675.43	5,608.37	18.41	15.12	-148.38	-453.64	651.16	655.58	625.03	30.55	21.456	
5,800.00	5,640.82	5,774.77	5,706.43	18.78	15.43	-148.40	-463.74	663.50	667.03	635.87	31.16	21.404	
5,900.00	5,737.71	5,874.11	5,804.48	19.16	15.73	-148.42	-473.85	675.84	678.48	646.70	31.78	21.351	
6,000.00	5,834.61	5,973.45	5,902.53	19.53	16.03	-148.45	-483.95	688.19	689.93	657.53	32.39	21.298	
6,100.00	5,931.50	6,072.80	6,000.59	19.91	16.34	-148.47	-494.05	700.53	701.38	668.36	33.01	21.246	
6,200.00	6,028.39	6,172.14	6,098.64	20.29	16.65	-148.49	-504.16	712.87	712.83	679.19	33.63	21.194	
6,300.00	6,125.29	6,271.48	6,196.69	20.68	16.95	-148.51	-514.26	725.22	724.27	690.02	34.26	21.143	
6,400.00	6,222.18	6,370.82	6,294.75	21.06	17.26	-148.53	-524.36	737.56	735.72	700.84	34.88	21.092	
6,500.00	6,319.07	6,470.16	6,392.80	21.44	17.57	-148.55	-534.47	749.91	747.17	711.66	35.51	21.042	
6,600.00	6,415.96	6,570.63	6,492.08	21.83	17.86	-148.65	-544.69	761.34	758.59	722.48	36.11	21.008	
6,700.00	6,512.86	6,671.14	6,591.94	22.21	18.03	-149.68	-554.93	760.14	769.82	733.30	36.52	21.077	
6,800.00	6,610.09	6,766.46	6,685.39	22.52	18.15	-178.52	-564.47	744.43	781.52	744.77	36.75	21.264	
6,900.00	6,707.39	6,858.38	6,772.33	22.74	18.22	142.68	-573.29	716.17	793.99	757.12	36.87	21.533	
7,000.00	6,802.45	6,947.57	6,851.97	22.92	18.26	120.06	-581.32	677.00	806.78	769.86	36.93	21.848	
7,100.00	6,892.94	7,034.48	6,923.61	23.04	18.27	107.67	-588.51	628.45	819.44	782.50	36.93	22.186	
7,200.00	6,976.61	7,119.52	6,986.72	23.13	18.27	100.01	-594.78	571.88	831.50	794.57	36.93	22.515	
7,300.00	7,051.42	7,203.06	7,040.87	23.17	18.25	94.83	-600.12	508.57	842.54	805.59	36.95	22.800	
7,400.00	7,115.52	7,285.41	7,085.73	23.17	18.24	91.16	-604.48	439.73	852.19	815.13	37.06	22.996	
7,500.00	7,167.33	7,366.84	7,121.05	23.13	18.23	88.57	-607.85	366.49	860.11	822.83	37.28	23.069	
7,600.00	7,205.58	7,447.62	7,146.62	23.07	18.25	86.81	-610.21	289.96	866.06	828.39	37.67	22.992	
7,700.00	7,229.32	7,527.96	7,162.29	22.98	18.32	85.77	-611.54	211.22	869.84	831.60	38.24	22.749	
7,800.00	7,237.96	7,617.89	7,167.99	22.87	18.51	85.40	-611.85	132.44	871.33	832.31	39.03	22.326	
7,900.00	7,237.88	7,707.01	7,168.15	22.79	18.90	85.41	-611.52	32.44	871.47	831.49	39.98	21.799	
8,000.00	7,237.75	7,807.01	7,168.32	22.77	19.54	85.43	-611.19	-67.56	871.59	830.36	41.23	21.140	
8,100.00	7,237.62	7,907.01	7,168.49	23.00	20.34	85.45	-610.86	-167.56	871.71	829.00	42.71	20.410	
8,200.00	7,237.49	8,007.00	7,168.65	23.67	21.25	85.47	-610.53	-267.56	871.83	827.43	44.40	19.637	
8,300.00	7,237.36	8,107.00	7,168.82	24.57	22.25	85.49	-610.20	-367.56	871.95	825.68	46.26	18.847	
8,400.00	7,237.24	8,207.00	7,168.99	25.56	23.33	85.51	-609.87	-467.56	872.07	823.77	48.29	18.057	
8,500.00	7,237.11	8,307.00	7,169.15	26.63	24.48	85.53	-609.54	-567.56	872.19	821.72	50.46	17.283	
8,600.00	7,236.98	8,407.00	7,169.32	27.75	25.69	85.55	-609.21	-667.55	872.31	819.55	52.76	16.534	
8,700.00	7,236.85	8,507.00	7,169.49	28.93	26.94	85.57	-608.88	-767.55	872.43	817.27	55.16	15.816	
8,800.00	7,236.72	8,607.00	7,169.65	30.15	28.23	85.59	-608.55	-867.55	872.55	814.89	57.66	15.133	
8,900.00	7,236.60	8,707.00	7,169.82	31.42	29.57	85.61	-608.22	-967.55	872.67	812.43	60.24	14.487	
9,000.00	7,236.47	8,807.00	7,169.99	32.71	30.93	85.63	-607.89	-1,067.55	872.79	809.90	62.89	13.878	
9,100.00	7,236.34	8,907.00	7,170.15	34.04	32.33	85.65	-607.55	-1,167.55	872.91	807.31	65.61	13.305	
9,200.00	7,236.21	9,007.00	7,170.32	35.40	33.74	85.67	-607.22	-1,267.55	873.03	804.66	68.38	12.768	
9,300.00	7,236.08	9,107.00	7,170.49	36.78	35.18	85.69	-606.89	-1,367.55	873.16	801.96	71.20	12.263	
9,400.00	7,235.95	9,207.00	7,170.66	38.18	36.64	85.71	-606.56	-1,467.54	873.28	799.21	74.06	11.791	
9,500.00	7,235.83	9,307.00	7,170.82	39.60	38.12	85.73	-606.23	-1,567.54	873.40	796.43	76.97	11.347	
9,600.00	7,235.70	9,407.00	7,170.99	41.04	39.61	85.75	-605.90	-1,667.54	873.52	793.61	79.91	10.932	
9,700.00	7,235.57	9,507.00	7,171.16	42.50	41.12	85.77	-605.57	-1,767.54	873.64	790.77	82.88	10.541	
9,800.00	7,235.44	9,607.00	7,171.32	43.97	42.63	85.79	-605.24	-1,867.54	873.76	787.89	85.87	10.175	
9,900.00	7,235.31	9,707.00	7,171.49	45.46	44.16	85.81	-604.91	-1,967.54	873.89	784.99	88.90	9.831	
10,000.00	7,235.18	9,806.99	7,171.66	46.95	45.70	85.83	-604.58	-2,067.54	874.01	782.07	91.94	9.506	
10,100.00	7,235.06	9,906.99	7,171.82	48.46	47.25	85.85	-604.25	-2,167.54	874.13	779.13	95.00	9.201	
10,200.00	7,234.93	10,006.99	7,171.99	49.98	48.80	85.87	-603.92	-2,267.53	874.25	776.17	98.09	8.913	
10,300.00	7,234.80	10,106.99	7,172.16	51.51	50.37	85.89	-603.59	-2,367.53	874.38	773.19	101.19	8.641	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
10,400.00	7,234.67	10,206.99	7,172.32	53.04	51.94	85.91	-603.25	-2,467.53	874.50	770.20	104.30	8.384	
10,500.00	7,234.54	10,306.99	7,172.49	54.59	53.51	85.93	-602.92	-2,567.53	874.62	767.19	107.43	8.141	
10,600.00	7,234.41	10,406.99	7,172.66	56.14	55.09	85.95	-602.59	-2,667.53	874.74	764.17	110.57	7.911	
10,700.00	7,234.29	10,506.99	7,172.82	57.69	56.68	85.97	-602.26	-2,767.53	874.87	761.14	113.73	7.693	
10,800.00	7,234.16	10,606.99	7,172.99	59.26	58.27	85.99	-601.93	-2,867.53	874.99	758.10	116.89	7.486	
10,900.00	7,234.03	10,706.99	7,173.16	60.83	59.87	86.01	-601.60	-2,967.53	875.11	755.05	120.07	7.289	
11,000.00	7,233.90	10,806.99	7,173.32	62.40	61.47	86.03	-601.27	-3,067.53	875.24	751.99	123.25	7.101	
11,100.00	7,233.77	10,906.99	7,173.49	63.98	63.07	86.05	-600.94	-3,167.52	875.36	748.92	126.44	6.923	
11,200.00	7,233.64	11,006.99	7,173.66	65.56	64.68	86.07	-600.61	-3,267.52	875.48	745.84	129.64	6.753	
11,300.00	7,233.52	11,106.99	7,173.82	67.15	66.29	86.09	-600.28	-3,367.52	875.61	742.76	132.85	6.591	
11,400.00	7,233.39	11,206.99	7,173.99	68.74	67.90	86.11	-599.95	-3,467.52	875.73	739.67	136.06	6.436	
11,500.00	7,233.26	11,306.99	7,174.16	70.34	69.51	86.13	-599.62	-3,567.52	875.85	736.58	139.28	6.289	
11,600.00	7,233.13	11,406.99	7,174.32	71.93	71.13	86.15	-599.29	-3,667.52	875.98	733.47	142.50	6.147	
11,700.00	7,233.00	11,506.99	7,174.49	73.54	72.75	86.17	-598.96	-3,767.52	876.10	730.37	145.74	6.012	
11,800.00	7,232.87	11,606.99	7,174.66	75.14	74.38	86.19	-598.62	-3,867.52	876.23	727.25	148.97	5.882	
11,900.00	7,232.75	11,706.98	7,174.82	76.75	76.00	86.21	-598.29	-3,967.51	876.35	724.14	152.21	5.757	
12,000.00	7,232.62	11,806.98	7,174.99	78.36	77.63	86.23	-597.96	-4,067.51	876.47	721.02	155.46	5.638	
12,100.00	7,232.49	11,906.98	7,175.16	79.97	79.26	86.25	-597.63	-4,167.51	876.60	717.89	158.71	5.523	
12,200.00	7,232.36	12,006.98	7,175.32	81.58	80.89	86.27	-597.30	-4,267.51	876.72	714.76	161.96	5.413	
12,300.00	7,232.23	12,106.98	7,175.49	83.20	82.52	86.29	-596.97	-4,367.51	876.85	711.63	165.22	5.307	
12,400.00	7,232.10	12,206.98	7,175.66	84.82	84.15	86.31	-596.64	-4,467.51	876.97	708.49	168.48	5.205	
12,500.00	7,231.98	12,306.98	7,175.82	86.44	85.79	86.33	-596.31	-4,567.51	877.10	705.35	171.74	5.107	
12,600.00	7,231.85	12,406.98	7,175.99	88.06	87.42	86.35	-595.98	-4,667.51	877.22	702.21	175.01	5.012	
12,700.00	7,231.72	12,506.98	7,176.16	89.69	89.06	86.37	-595.65	-4,767.50	877.35	699.07	178.28	4.921	
12,800.00	7,231.59	12,606.98	7,176.32	91.32	90.70	86.39	-595.32	-4,867.50	877.47	695.92	181.55	4.833	
12,900.00	7,231.46	12,706.98	7,176.49	92.94	92.34	86.41	-594.99	-4,967.50	877.60	692.77	184.83	4.748	
13,000.00	7,231.33	12,806.98	7,176.66	94.57	93.98	86.43	-594.66	-5,067.50	877.72	689.61	188.11	4.666	
13,100.00	7,231.21	12,906.98	7,176.83	96.20	95.63	86.45	-594.32	-5,167.50	877.85	686.46	191.39	4.587	
13,200.00	7,231.08	13,006.98	7,176.99	97.84	97.27	86.47	-593.99	-5,267.50	877.97	683.30	194.67	4.510	
13,300.00	7,230.95	13,106.98	7,177.16	99.47	98.91	86.49	-593.66	-5,367.50	878.10	680.14	197.96	4.436	
13,400.00	7,230.82	13,206.98	7,177.33	101.10	100.56	86.51	-593.33	-5,467.50	878.22	676.98	201.24	4.364	
13,500.00	7,230.69	13,306.98	7,177.49	102.74	102.20	86.53	-593.00	-5,567.49	878.35	673.82	204.53	4.294	
13,600.00	7,230.56	13,406.98	7,177.66	104.38	103.85	86.55	-592.67	-5,667.49	878.48	670.65	207.83	4.227	
13,700.00	7,230.44	13,506.98	7,177.83	106.02	105.50	86.57	-592.34	-5,767.49	878.60	667.48	211.12	4.162	
13,800.00	7,230.31	13,606.97	7,177.99	107.65	107.15	86.59	-592.01	-5,867.49	878.73	664.32	214.41	4.098	
13,900.00	7,230.18	13,706.97	7,178.16	109.29	108.80	86.61	-591.68	-5,967.49	878.86	661.15	217.71	4.037	
14,000.00	7,230.05	13,806.97	7,178.33	110.94	110.45	86.63	-591.35	-6,067.49	878.98	657.97	221.01	3.977	
14,100.00	7,229.92	13,906.97	7,178.49	112.58	112.10	86.65	-591.02	-6,167.49	879.11	654.80	224.31	3.919	
14,200.00	7,229.80	14,006.97	7,178.66	114.22	113.75	86.67	-590.69	-6,267.49	879.23	651.63	227.61	3.863	
14,300.00	7,229.67	14,106.97	7,178.83	115.86	115.40	86.69	-590.36	-6,367.48	879.36	648.45	230.91	3.808	
14,400.00	7,229.54	14,206.97	7,178.99	117.51	117.05	86.71	-590.03	-6,467.48	879.49	645.28	234.21	3.755	
14,500.00	7,229.41	14,306.97	7,179.16	119.15	118.71	86.72	-589.69	-6,567.48	879.61	642.10	237.52	3.703	
14,600.00	7,229.28	14,406.97	7,179.33	120.80	120.36	86.74	-589.36	-6,667.48	879.74	638.92	240.82	3.653	
14,700.00	7,229.15	14,506.97	7,179.49	122.45	122.01	86.76	-589.03	-6,767.48	879.87	635.74	244.13	3.604	
14,800.00	7,229.03	14,606.97	7,179.66	124.09	123.67	86.78	-588.70	-6,867.48	880.00	632.56	247.44	3.556	
14,900.00	7,228.90	14,706.97	7,179.83	125.74	125.32	86.80	-588.37	-6,967.48	880.12	629.38	250.75	3.510	
15,000.00	7,228.77	14,806.97	7,179.99	127.39	126.98	86.82	-588.04	-7,067.48	880.25	626.19	254.06	3.465	
15,100.00	7,228.64	14,906.97	7,180.16	129.04	128.63	86.84	-587.71	-7,167.47	880.38	623.01	257.37	3.421	
15,200.00	7,228.51	15,006.97	7,180.33	130.69	130.29	86.86	-587.38	-7,267.47	880.51	619.82	260.68	3.378	
15,300.00	7,228.38	15,106.97	7,180.49	132.34	131.95	86.88	-587.05	-7,367.47	880.63	616.64	264.00	3.336	
15,400.00	7,228.26	15,206.97	7,180.66	133.99	133.60	86.90	-586.72	-7,467.47	880.76	613.45	267.31	3.295	
15,500.00	7,228.13	15,306.97	7,180.83	135.64	135.26	86.92	-586.39	-7,567.47	880.89	610.26	270.63	3.255	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
15,598.93	7,228.00	15,405.90	7,180.99	137.27	136.90	86.94	-586.06	-7,666.40	881.02	607.11	273.91	3.216 SF	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.32	99.82	-0.56	99.82				
100.00	100.00	100.00	100.00	3.28	3.28	-0.32	99.82	-0.56	99.82	92.29	7.53	13.258	
200.00	200.00	200.00	200.00	3.31	3.31	-0.32	99.82	-0.56	99.82	92.24	7.57	13.179	CC, ES
300.00	299.98	301.76	301.74	3.35	3.35	-150.27	98.92	1.01	100.46	92.80	7.65	13.123	
400.00	399.84	403.46	403.29	3.41	3.41	-149.09	96.25	5.72	102.40	94.63	7.77	13.175	
500.00	499.45	505.06	504.48	3.49	3.50	-147.22	91.80	13.55	105.72	97.78	7.94	13.316	
600.00	598.70	606.49	605.12	3.60	3.62	-144.80	85.60	24.48	110.53	102.37	8.16	13.541	
700.00	697.47	706.17	703.80	3.76	3.77	-142.81	78.62	36.75	117.61	109.16	8.45	13.916	
800.00	795.62	805.66	802.29	3.96	3.95	-141.99	71.67	49.00	127.53	118.73	8.80	14.500	
900.00	893.06	904.85	900.48	4.21	4.15	-142.13	64.73	61.21	140.19	131.00	9.19	15.251	
1,000.00	989.96	1,003.78	998.41	4.50	4.37	-142.86	57.81	73.39	154.64	145.00	9.63	16.055	
1,100.00	1,086.85	1,102.70	1,096.34	4.83	4.61	-143.50	50.89	85.57	169.14	159.04	10.10	16.741	
1,200.00	1,183.75	1,201.63	1,194.27	5.19	4.86	-144.04	43.97	97.75	183.66	173.05	10.61	17.316	
1,300.00	1,280.64	1,300.56	1,292.20	5.56	5.12	-144.50	37.05	109.93	198.19	187.06	11.14	17.798	
1,400.00	1,377.53	1,399.48	1,390.13	5.95	5.40	-144.90	30.14	122.10	212.74	201.05	11.69	18.202	
1,500.00	1,474.42	1,501.59	1,488.06	6.36	5.69	-145.25	23.22	134.28	227.29	215.03	12.27	18.529	
1,600.00	1,571.32	1,602.66	1,585.99	6.78	5.98	-145.55	16.30	146.46	241.85	228.99	12.86	18.806	
1,700.00	1,668.21	1,696.26	1,683.92	7.20	6.26	-145.82	9.38	158.64	256.42	242.98	13.45	19.071	
1,800.00	1,765.10	1,804.81	1,781.85	7.64	6.59	-146.06	2.46	170.82	270.99	256.91	14.08	19.246	
1,900.00	1,862.00	1,905.88	1,879.78	7.88	6.75	-146.28	-4.46	183.00	285.57	271.54	14.03	20.354	
2,000.00	1,958.89	2,006.96	1,977.71	7.94	6.78	-146.48	-11.38	195.18	300.15	286.06	14.09	21.305	
2,100.00	2,055.78	2,091.97	2,075.64	8.02	6.82	-146.65	-18.30	207.36	314.73	300.56	14.17	22.208	
2,200.00	2,152.67	2,209.11	2,173.57	8.13	6.90	-146.82	-25.21	219.54	329.32	315.01	14.31	23.020	
2,300.00	2,249.57	2,289.82	2,271.50	8.25	6.96	-146.96	-32.13	231.72	343.91	329.46	14.45	23.804	
2,400.00	2,346.46	2,388.75	2,369.43	8.39	7.05	-147.10	-39.05	243.90	358.50	343.86	14.63	24.500	
2,500.00	2,443.35	2,487.67	2,467.36	8.55	7.15	-147.23	-45.97	256.08	373.09	358.24	14.85	25.130	
2,600.00	2,540.25	2,586.60	2,565.29	8.72	7.27	-147.34	-52.89	268.25	387.68	372.59	15.09	25.694	
2,700.00	2,637.14	2,685.53	2,663.22	8.91	7.40	-147.45	-59.81	280.43	402.28	386.92	15.36	26.194	
2,800.00	2,734.03	2,784.45	2,761.15	9.12	7.54	-147.55	-66.73	292.61	416.87	401.22	15.65	26.634	
2,900.00	2,830.93	2,883.38	2,859.08	9.34	7.69	-147.64	-73.65	304.79	431.47	415.50	15.97	27.018	
3,000.00	2,927.82	2,982.31	2,957.01	9.57	7.85	-147.73	-80.56	316.97	446.07	429.76	16.31	27.349	
3,100.00	3,024.71	3,081.23	3,054.94	9.81	8.02	-147.81	-87.48	329.15	460.67	444.00	16.67	27.633	
3,200.00	3,121.60	3,180.16	3,152.87	10.07	8.20	-147.89	-94.40	341.33	475.27	458.22	17.05	27.872	
3,300.00	3,218.50	3,279.09	3,250.80	10.33	8.39	-147.96	-101.32	353.51	489.87	472.42	17.45	28.072	
3,400.00	3,315.39	3,378.01	3,348.73	10.61	8.58	-148.03	-108.24	365.69	504.47	486.60	17.87	28.236	
3,500.00	3,412.28	3,476.94	3,446.66	10.89	8.79	-148.09	-115.16	377.87	519.07	500.78	18.30	28.368	
3,600.00	3,509.18	3,575.87	3,544.59	11.18	9.00	-148.15	-122.08	390.05	533.68	514.93	18.74	28.472	
3,700.00	3,606.07	3,674.79	3,642.52	11.48	9.21	-148.21	-129.00	402.23	548.28	529.08	19.20	28.551	
3,800.00	3,702.96	3,773.72	3,740.45	11.78	9.44	-148.26	-135.91	414.41	562.88	543.21	19.68	28.608	
3,900.00	3,799.85	3,872.65	3,838.38	12.10	9.67	-148.32	-142.83	426.58	577.49	557.33	20.16	28.647	
4,000.00	3,896.75	3,971.57	3,936.31	12.41	9.90	-148.36	-149.75	438.76	592.09	571.44	20.65	28.668	
4,100.00	3,993.64	4,070.50	4,034.24	12.74	10.14	-148.41	-156.67	450.94	606.70	585.54	21.16	28.675	
4,200.00	4,090.53	4,169.42	4,132.17	13.07	10.38	-148.46	-163.59	463.12	621.30	599.63	21.67	28.669	
4,300.00	4,187.43	4,268.35	4,230.10	13.40	10.63	-148.50	-170.51	475.30	635.91	613.72	22.19	28.652	
4,400.00	4,284.32	4,367.28	4,328.03	13.74	10.88	-148.54	-177.43	487.48	650.52	627.79	22.72	28.626	
4,500.00	4,381.21	4,466.20	4,425.96	14.08	11.14	-148.58	-184.35	499.66	665.12	641.86	23.26	28.592	
4,600.00	4,478.11	4,565.13	4,523.89	14.42	11.40	-148.61	-191.26	511.84	679.73	655.92	23.81	28.552	
4,700.00	4,575.00	4,664.06	4,621.81	14.77	11.66	-148.65	-198.18	524.02	694.34	669.98	24.36	28.505	
4,800.00	4,671.89	4,762.98	4,719.74	15.12	11.92	-148.68	-205.10	536.20	708.95	684.03	24.92	28.454	
4,900.00	4,768.78	4,861.91	4,817.67	15.48	12.19	-148.72	-212.02	548.38	723.55	698.07	25.48	28.399	
5,000.00	4,865.68	4,960.84	4,915.60	15.84	12.46	-148.75	-218.94	560.56	738.16	712.11	26.05	28.340	
5,100.00	4,962.57	5,059.76	5,013.53	16.20	12.73	-148.78	-225.86	572.74	752.77	726.15	26.62	28.279	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
5,200.00	5,059.46	5,158.69	5,111.46	16.56	13.01	-148.81	-232.78	584.91	767.38	740.18	27.20	28.215	
5,300.00	5,156.36	5,257.62	5,209.39	16.92	13.29	-148.84	-239.70	597.09	781.99	754.21	27.78	28.150	
5,400.00	5,253.25	5,356.54	5,307.32	17.29	13.57	-148.86	-246.62	609.27	796.60	768.23	28.36	28.084	
5,500.00	5,350.14	5,455.47	5,405.25	17.66	13.85	-148.89	-253.53	621.45	811.20	782.25	28.95	28.016	
5,600.00	5,447.03	5,554.40	5,503.18	18.03	14.13	-148.91	-260.45	633.63	825.81	796.27	29.55	27.948	
5,700.00	5,543.93	5,653.32	5,601.11	18.41	14.41	-148.94	-267.37	645.81	840.42	810.28	30.14	27.880	
5,800.00	5,640.82	5,752.25	5,699.04	18.78	14.70	-148.96	-274.29	657.99	855.03	824.29	30.74	27.811	
5,900.00	5,737.71	5,851.18	5,796.97	19.16	14.99	-148.98	-281.21	670.17	869.64	838.29	31.35	27.742	
6,000.00	5,834.61	5,950.10	5,894.90	19.53	15.28	-149.01	-288.13	682.35	884.25	852.30	31.95	27.674	
6,100.00	5,931.50	6,049.03	5,992.83	19.91	15.57	-149.03	-295.05	694.53	898.86	866.30	32.56	27.606	
6,200.00	6,028.39	6,147.95	6,090.76	20.29	15.86	-149.05	-301.97	706.71	913.47	880.30	33.17	27.538	
6,300.00	6,125.29	6,246.88	6,188.69	20.68	16.15	-149.07	-308.88	718.89	928.08	894.30	33.78	27.471	
6,400.00	6,222.18	6,345.81	6,286.62	21.06	16.44	-149.09	-315.80	731.07	942.69	908.29	34.40	27.404	
6,500.00	6,319.07	6,444.73	6,384.55	21.44	16.74	-149.10	-322.72	743.24	957.30	922.28	35.02	27.338	
6,600.00	6,415.96	6,543.66	6,482.48	21.83	17.04	-149.12	-329.64	755.42	971.91	936.27	35.64	27.273	
6,700.00	6,512.86	6,643.63	6,581.65	22.21	17.28	-149.27	-336.64	765.60	986.49	950.28	36.21	27.245	
6,800.00	6,610.09	6,742.81	6,680.42	22.52	17.44	-177.24	-343.59	761.97	1,001.09	964.49	36.59	27.357	
6,900.00	6,707.39	6,840.09	6,775.60	22.74	17.54	144.67	-350.26	743.53	1,015.84	979.00	36.84	27.574	
7,000.00	6,802.45	6,935.75	6,865.41	22.92	17.60	122.69	-356.52	711.44	1,030.38	993.39	36.99	27.858	
7,100.00	6,892.94	7,030.03	6,948.25	23.04	17.63	110.86	-362.27	666.98	1,044.32	1,007.26	37.06	28.178	
7,200.00	6,976.61	7,123.16	7,022.77	23.13	17.64	103.67	-367.41	611.50	1,057.29	1,020.19	37.10	28.498	
7,300.00	7,051.42	7,215.35	7,087.82	23.17	17.64	98.88	-371.87	546.44	1,068.95	1,031.79	37.15	28.771	
7,400.00	7,115.52	7,306.77	7,142.41	23.17	17.65	95.53	-375.57	473.30	1,078.98	1,041.70	37.28	28.946	
7,500.00	7,167.33	7,397.60	7,185.75	23.13	17.68	93.17	-378.48	393.62	1,087.12	1,049.60	37.52	28.973	
7,600.00	7,205.58	7,487.98	7,217.22	23.07	17.78	91.57	-380.53	309.00	1,093.16	1,055.22	37.94	28.812	
7,700.00	7,229.32	7,578.05	7,236.39	22.98	17.96	90.62	-381.72	221.08	1,096.95	1,058.40	38.55	28.454	
7,800.00	7,237.96	7,672.68	7,243.01	22.87	18.28	90.26	-382.01	131.78	1,098.37	1,059.00	39.37	27.899	
7,900.00	7,237.88	7,767.67	7,242.98	22.79	18.77	90.27	-381.82	31.78	1,098.38	1,057.97	40.41	27.181	
8,000.00	7,237.75	7,867.67	7,242.95	22.77	19.44	90.27	-381.63	-68.22	1,098.39	1,056.68	41.71	26.335	
8,100.00	7,237.62	7,967.67	7,242.93	23.00	20.24	90.28	-381.44	-168.22	1,098.39	1,055.16	43.23	25.409	
8,200.00	7,237.49	8,067.67	7,242.90	23.67	21.15	90.28	-381.25	-268.22	1,098.40	1,053.45	44.95	24.435	
8,300.00	7,237.36	8,167.67	7,242.88	24.57	22.15	90.29	-381.06	-368.22	1,098.40	1,051.55	46.85	23.445	
8,400.00	7,237.24	8,267.67	7,242.85	25.56	23.23	90.29	-380.87	-468.22	1,098.41	1,049.50	48.91	22.459	
8,500.00	7,237.11	8,367.67	7,242.83	26.63	24.38	90.30	-380.67	-568.22	1,098.41	1,047.31	51.10	21.495	
8,600.00	7,236.98	8,467.67	7,242.80	27.75	25.59	90.30	-380.48	-668.22	1,098.42	1,045.00	53.42	20.563	
8,700.00	7,236.85	8,567.67	7,242.77	28.93	26.84	90.31	-380.29	-768.22	1,098.42	1,042.59	55.84	19.672	
8,800.00	7,236.72	8,667.67	7,242.75	30.15	28.14	90.31	-380.10	-868.22	1,098.43	1,040.08	58.35	18.825	
8,900.00	7,236.60	8,767.67	7,242.72	31.42	29.48	90.32	-379.91	-968.22	1,098.43	1,037.49	60.94	18.024	
9,000.00	7,236.47	8,867.67	7,242.70	32.71	30.84	90.32	-379.72	-1,068.22	1,098.44	1,034.83	63.60	17.270	
9,100.00	7,236.34	8,967.67	7,242.67	34.04	32.24	90.33	-379.53	-1,168.22	1,098.44	1,032.11	66.33	16.560	
9,200.00	7,236.21	9,067.67	7,242.65	35.40	33.66	90.34	-379.34	-1,268.22	1,098.45	1,029.34	69.11	15.894	
9,300.00	7,236.08	9,167.67	7,242.62	36.78	35.11	90.34	-379.15	-1,368.22	1,098.45	1,026.51	71.94	15.269	
9,400.00	7,235.95	9,267.67	7,242.59	38.18	36.57	90.35	-378.96	-1,468.22	1,098.46	1,023.65	74.81	14.683	
9,500.00	7,235.83	9,367.67	7,242.57	39.60	38.05	90.35	-378.76	-1,568.22	1,098.46	1,020.74	77.72	14.134	
9,600.00	7,235.70	9,467.67	7,242.54	41.04	39.54	90.36	-378.57	-1,668.22	1,098.47	1,017.80	80.66	13.618	
9,700.00	7,235.57	9,567.67	7,242.52	42.50	41.05	90.36	-378.38	-1,768.22	1,098.47	1,014.84	83.64	13.134	
9,800.00	7,235.44	9,667.67	7,242.49	43.97	42.57	90.37	-378.19	-1,868.22	1,098.48	1,011.84	86.64	12.679	
9,900.00	7,235.31	9,767.67	7,242.47	45.46	44.10	90.37	-378.00	-1,968.22	1,098.48	1,008.82	89.66	12.251	
10,000.00	7,235.18	9,867.67	7,242.44	46.95	45.65	90.38	-377.81	-2,068.22	1,098.49	1,005.78	92.71	11.849	
10,100.00	7,235.06	9,967.67	7,242.41	48.46	47.20	90.38	-377.62	-2,168.22	1,098.49	1,002.72	95.78	11.469	
10,200.00	7,234.93	10,067.67	7,242.39	49.98	48.75	90.39	-377.43	-2,268.22	1,098.50	999.64	98.86	11.111	
10,300.00	7,234.80	10,167.67	7,242.36	51.51	50.32	90.39	-377.24	-2,368.22	1,098.50	996.54	101.96	10.773	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
10,400.00	7,234.67	10,267.67	7,242.34	53.04	51.89	90.40	-377.04	-2,468.22	1,098.51	993.43	105.08	10.454	
10,500.00	7,234.54	10,367.67	7,242.31	54.59	53.47	90.41	-376.85	-2,568.22	1,098.51	990.30	108.21	10.152	
10,600.00	7,234.41	10,467.67	7,242.29	56.14	55.05	90.41	-376.66	-2,668.22	1,098.52	987.17	111.35	9.865	
10,700.00	7,234.29	10,567.67	7,242.26	57.69	56.64	90.42	-376.47	-2,768.22	1,098.52	984.02	114.51	9.594	
10,800.00	7,234.16	10,667.67	7,242.23	59.26	58.23	90.42	-376.28	-2,868.22	1,098.53	980.86	117.67	9.336	
10,900.00	7,234.03	10,767.67	7,242.21	60.83	59.83	90.43	-376.09	-2,968.22	1,098.53	977.69	120.85	9.090	
11,000.00	7,233.90	10,867.67	7,242.18	62.40	61.43	90.43	-375.90	-3,068.22	1,098.54	974.51	124.03	8.857	
11,100.00	7,233.77	10,967.67	7,242.16	63.98	63.04	90.44	-375.71	-3,168.21	1,098.54	971.32	127.22	8.635	
11,200.00	7,233.64	11,067.67	7,242.13	65.56	64.65	90.44	-375.52	-3,268.21	1,098.55	968.13	130.42	8.423	
11,300.00	7,233.52	11,167.67	7,242.11	67.15	66.26	90.45	-375.33	-3,368.21	1,098.55	964.93	133.63	8.221	
11,400.00	7,233.39	11,267.67	7,242.08	68.74	67.87	90.45	-375.13	-3,468.21	1,098.56	961.72	136.84	8.028	
11,500.00	7,233.26	11,367.67	7,242.05	70.34	69.49	90.46	-374.94	-3,568.21	1,098.56	958.51	140.06	7.844	
11,600.00	7,233.13	11,467.67	7,242.03	71.93	71.11	90.46	-374.75	-3,668.21	1,098.57	955.29	143.28	7.667	
11,700.00	7,233.00	11,567.67	7,242.00	73.54	72.73	90.47	-374.56	-3,768.21	1,098.57	952.06	146.51	7.498	
11,800.00	7,232.87	11,667.67	7,241.98	75.14	74.36	90.47	-374.37	-3,868.21	1,098.58	948.83	149.75	7.336	
11,900.00	7,232.75	11,767.67	7,241.95	76.75	75.98	90.48	-374.18	-3,968.21	1,098.58	945.60	152.99	7.181	
12,000.00	7,232.62	11,867.67	7,241.93	78.36	77.61	90.49	-373.99	-4,068.21	1,098.59	942.36	156.23	7.032	
12,100.00	7,232.49	11,967.67	7,241.90	79.97	79.24	90.49	-373.80	-4,168.21	1,098.60	939.12	159.48	6.889	
12,200.00	7,232.36	12,067.67	7,241.87	81.58	80.87	90.50	-373.61	-4,268.21	1,098.60	935.87	162.73	6.751	
12,300.00	7,232.23	12,167.67	7,241.85	83.20	82.51	90.50	-373.41	-4,368.21	1,098.61	932.62	165.99	6.619	
12,400.00	7,232.10	12,267.67	7,241.82	84.82	84.14	90.51	-373.22	-4,468.21	1,098.61	929.36	169.25	6.491	
12,500.00	7,231.98	12,367.67	7,241.80	86.44	85.78	90.51	-373.03	-4,568.21	1,098.62	926.11	172.51	6.368	
12,600.00	7,231.85	12,467.67	7,241.77	88.06	87.41	90.52	-372.84	-4,668.21	1,098.62	922.85	175.78	6.250	
12,700.00	7,231.72	12,567.67	7,241.75	89.69	89.05	90.52	-372.65	-4,768.21	1,098.63	919.58	179.04	6.136	
12,800.00	7,231.59	12,667.67	7,241.72	91.32	90.69	90.53	-372.46	-4,868.21	1,098.63	916.32	182.32	6.026	
12,900.00	7,231.46	12,767.67	7,241.69	92.94	92.33	90.53	-372.27	-4,968.21	1,098.64	913.05	185.59	5.920	
13,000.00	7,231.33	12,867.67	7,241.67	94.57	93.98	90.54	-372.08	-5,068.21	1,098.64	909.78	188.87	5.817	
13,100.00	7,231.21	12,967.67	7,241.64	96.20	95.62	90.54	-371.89	-5,168.21	1,098.65	906.50	192.14	5.718	
13,200.00	7,231.08	13,067.67	7,241.62	97.84	97.26	90.55	-371.69	-5,268.21	1,098.65	903.23	195.42	5.622	
13,300.00	7,230.95	13,167.67	7,241.59	99.47	98.91	90.56	-371.50	-5,368.21	1,098.66	899.95	198.71	5.529	
13,400.00	7,230.82	13,267.67	7,241.57	101.10	100.56	90.56	-371.31	-5,468.21	1,098.66	896.67	201.99	5.439	
13,500.00	7,230.69	13,367.67	7,241.54	102.74	102.20	90.57	-371.12	-5,568.21	1,098.67	893.39	205.28	5.352	
13,600.00	7,230.56	13,467.67	7,241.51	104.38	103.85	90.57	-370.93	-5,668.21	1,098.67	890.11	208.57	5.268	
13,700.00	7,230.44	13,567.67	7,241.49	106.02	105.50	90.58	-370.74	-5,768.21	1,098.68	886.82	211.86	5.186	
13,800.00	7,230.31	13,667.67	7,241.46	107.65	107.15	90.58	-370.55	-5,868.21	1,098.69	883.54	215.15	5.107	
13,900.00	7,230.18	13,767.67	7,241.44	109.29	108.80	90.59	-370.36	-5,968.21	1,098.69	880.25	218.44	5.030	
14,000.00	7,230.05	13,867.67	7,241.41	110.94	110.45	90.59	-370.17	-6,068.21	1,098.70	876.96	221.74	4.955	
14,100.00	7,229.92	13,967.67	7,241.39	112.58	112.10	90.60	-369.98	-6,168.21	1,098.70	873.67	225.03	4.882	
14,200.00	7,229.80	14,067.67	7,241.36	114.22	113.75	90.60	-369.78	-6,268.21	1,098.71	870.37	228.33	4.812	
14,300.00	7,229.67	14,167.67	7,241.34	115.86	115.40	90.61	-369.59	-6,368.21	1,098.71	867.08	231.63	4.743	
14,400.00	7,229.54	14,267.67	7,241.31	117.51	117.06	90.61	-369.40	-6,468.21	1,098.72	863.79	234.93	4.677	
14,500.00	7,229.41	14,367.67	7,241.28	119.15	118.71	90.62	-369.21	-6,568.21	1,098.72	860.49	238.23	4.612	
14,600.00	7,229.28	14,467.67	7,241.26	120.80	120.36	90.62	-369.02	-6,668.21	1,098.73	857.19	241.54	4.549	
14,700.00	7,229.15	14,567.67	7,241.23	122.45	122.02	90.63	-368.83	-6,768.21	1,098.73	853.89	244.84	4.488	
14,800.00	7,229.03	14,667.66	7,241.21	124.09	123.67	90.64	-368.64	-6,868.21	1,098.74	850.59	248.15	4.428	
14,900.00	7,228.90	14,767.66	7,241.18	125.74	125.33	90.64	-368.45	-6,968.21	1,098.75	847.29	251.45	4.370	
15,000.00	7,228.77	14,867.66	7,241.16	127.39	126.98	90.65	-368.26	-7,068.21	1,098.75	843.99	254.76	4.313	
15,100.00	7,228.64	14,967.66	7,241.13	129.04	128.64	90.65	-368.06	-7,168.21	1,098.76	840.69	258.07	4.258	
15,200.00	7,228.51	15,067.66	7,241.10	130.69	130.30	90.66	-367.87	-7,268.21	1,098.76	837.39	261.37	4.204	
15,300.00	7,228.38	15,167.66	7,241.08	132.34	131.95	90.66	-367.68	-7,368.21	1,098.77	834.08	264.68	4.151	
15,400.00	7,228.26	15,267.66	7,241.05	133.99	133.61	90.67	-367.49	-7,468.20	1,098.77	830.78	267.99	4.100	
15,500.00	7,228.13	15,367.66	7,241.03	135.64	135.27	90.67	-367.30	-7,568.20	1,098.78	827.47	271.31	4.050	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

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

Offset Well Error: 3.28 usft

Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,598.93	7,228.00	15,466.60	7,241.00	137.27	136.91	90.68	-367.11	-7,667.14	1,098.78	824.20	274.58	4.002 SF	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	180.00	-20.03	0.00	20.03				
100.00	100.00	100.00	100.00	3.28	3.28	180.00	-20.03	0.00	20.03	12.50	7.53	2.661	
200.00	200.00	200.00	200.00	3.31	3.31	180.00	-20.03	0.00	20.03	12.46	7.57	2.645	
300.00	299.98	299.69	299.69	3.35	3.35	31.68	-20.42	0.19	18.92	11.26	7.65	2.471	
400.00	399.84	399.13	399.06	3.41	3.40	35.25	-23.51	1.73	17.54	9.78	7.76	2.260	
500.00	499.45	498.63	498.32	3.49	3.48	39.97	-29.68	4.81	16.35	8.44	7.91	2.066	
600.00	598.70	598.19	597.33	3.60	3.59	45.93	-38.95	9.43	15.41	7.29	8.12	1.899	
700.00	697.47	697.81	695.98	3.76	3.73	53.09	-51.29	15.58	14.79	6.41	8.39	1.764	
796.52	792.22	794.01	790.75	3.95	3.90	60.86	-66.12	22.98	14.59	5.85	8.74	1.669	CC
800.00	795.62	797.48	794.16	3.96	3.91	61.15	-66.71	23.27	14.59	5.83	8.75	1.667	
900.00	893.06	897.22	891.73	4.21	4.13	69.59	-85.18	32.48	14.84	5.61	9.23	1.608	
1,000.00	989.96	997.02	988.58	4.50	4.41	73.45	-106.70	43.21	15.89	6.09	9.80	1.622	
1,100.00	1,086.85	1,096.86	1,084.67	4.83	4.74	67.32	-130.96	55.31	18.13	7.77	10.36	1.750	
1,200.00	1,183.75	1,196.80	1,180.70	5.19	5.11	61.23	-155.74	67.66	20.82	9.88	10.93	1.904	
1,300.00	1,280.64	1,296.75	1,276.74	5.56	5.50	56.57	-180.51	80.01	23.69	12.16	11.53	2.055	
1,400.00	1,377.53	1,403.31	1,372.77	5.95	5.94	52.94	-205.28	92.36	26.69	14.52	12.16	2.194	
1,500.00	1,474.42	1,503.37	1,468.80	6.36	6.38	50.05	-230.06	104.71	29.76	16.97	12.79	2.327	
1,600.00	1,571.32	1,603.43	1,564.83	6.78	6.83	47.70	-254.83	117.07	32.91	19.47	13.43	2.450	
1,700.00	1,668.21	1,703.48	1,660.87	7.20	7.29	45.77	-279.60	129.42	36.09	22.00	14.09	2.562	
1,800.00	1,765.10	1,796.46	1,756.90	7.64	7.72	44.15	-304.38	141.77	39.31	24.59	14.73	2.670	
1,900.00	1,862.00	1,903.60	1,852.93	7.88	8.01	42.78	-329.15	154.12	42.56	27.87	14.69	2.898	
2,000.00	1,958.89	2,003.66	1,948.96	7.94	8.08	41.60	-353.92	166.47	45.83	31.12	14.70	3.116	
2,100.00	2,055.78	2,103.71	2,044.99	8.02	8.17	40.58	-378.70	178.82	49.11	34.34	14.77	3.325	
2,200.00	2,152.67	2,196.23	2,141.03	8.13	8.28	39.69	-403.47	191.18	52.41	37.54	14.87	3.524	
2,300.00	2,249.57	2,303.83	2,237.06	8.25	8.43	38.91	-428.25	203.53	55.72	40.69	15.03	3.708	
2,400.00	2,346.46	2,396.11	2,333.09	8.39	8.57	38.21	-453.02	215.88	59.04	43.83	15.21	3.882	
2,500.00	2,443.35	2,503.94	2,429.12	8.55	8.76	37.58	-477.79	228.23	62.36	46.92	15.44	4.038	
2,600.00	2,540.25	2,604.00	2,525.16	8.72	8.96	37.02	-502.57	240.58	65.70	49.99	15.71	4.183	
2,700.00	2,637.14	2,704.06	2,621.19	8.91	9.17	36.52	-527.34	252.93	69.04	53.04	16.00	4.315	
2,800.00	2,734.03	2,795.88	2,717.22	9.12	9.38	36.06	-552.11	265.29	72.38	56.07	16.31	4.438	
2,900.00	2,830.93	2,904.17	2,813.25	9.34	9.64	35.64	-576.89	277.64	75.73	59.05	16.68	4.540	
3,000.00	2,927.82	3,004.23	2,909.29	9.57	9.90	35.26	-601.66	289.99	79.08	62.02	17.06	4.636	
3,100.00	3,024.71	3,104.29	3,005.32	9.81	10.17	34.90	-626.43	302.34	82.44	64.97	17.46	4.721	
3,200.00	3,121.60	3,195.65	3,101.35	10.07	10.42	34.58	-651.21	314.69	85.79	67.92	17.87	4.801	
3,300.00	3,218.50	3,304.40	3,197.38	10.33	10.74	34.28	-675.98	327.04	89.15	70.82	18.34	4.862	
3,400.00	3,315.39	3,404.46	3,293.41	10.61	11.04	34.00	-700.75	339.40	92.52	73.71	18.81	4.920	
3,500.00	3,412.28	3,504.52	3,389.45	10.89	11.35	33.74	-725.53	351.75	95.88	76.59	19.29	4.970	
3,600.00	3,509.18	3,595.42	3,485.48	11.18	11.64	33.50	-750.30	364.10	99.25	79.48	19.77	5.021	
3,700.00	3,606.07	3,704.63	3,581.51	11.48	12.00	33.28	-775.08	376.45	102.62	82.31	20.31	5.053	
3,800.00	3,702.96	3,795.31	3,677.54	11.78	12.30	33.06	-799.85	388.80	105.99	85.17	20.81	5.093	
3,900.00	3,799.85	3,904.75	3,773.58	12.10	12.67	32.87	-824.62	401.15	109.36	87.98	21.38	5.115	
4,000.00	3,896.75	4,004.81	3,869.61	12.41	13.02	32.68	-849.40	413.51	112.73	90.79	21.94	5.139	
4,100.00	3,993.64	4,104.86	3,965.64	12.74	13.37	32.51	-874.17	425.86	116.10	93.60	22.50	5.160	
4,200.00	4,090.53	4,204.92	4,061.67	13.07	13.73	32.34	-898.94	438.21	119.48	96.40	23.08	5.178	
4,300.00	4,187.43	4,295.02	4,157.71	13.40	14.05	32.18	-923.72	450.56	122.85	99.22	23.63	5.199	
4,400.00	4,284.32	4,405.04	4,253.74	13.74	14.45	32.04	-948.49	462.91	126.23	101.97	24.25	5.205	
4,500.00	4,381.21	4,505.09	4,349.77	14.08	14.82	31.90	-973.26	475.26	129.60	104.75	24.85	5.215	
4,600.00	4,478.11	4,605.15	4,445.80	14.42	15.20	31.76	-998.04	487.62	132.98	107.52	25.46	5.223	
4,700.00	4,575.00	4,705.21	4,541.84	14.77	15.58	31.64	-1,022.81	499.97	136.36	110.28	26.08	5.229	
4,800.00	4,671.89	4,794.73	4,637.87	15.12	15.92	31.51	-1,047.58	512.32	139.74	113.08	26.66	5.241	
4,900.00	4,768.78	4,905.32	4,733.90	15.48	16.34	31.40	-1,072.36	524.67	143.12	115.80	27.32	5.238	
5,000.00	4,865.68	4,994.62	4,829.93	15.84	16.69	31.29	-1,097.13	537.02	146.50	118.58	27.92	5.247	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	4,962.57	5,105.44	4,925.96	16.20	17.12	31.19	-1,121.91	549.37	149.88	121.29	28.59	5.242	
5,200.00	5,059.46	5,205.50	5,022.00	16.56	17.51	31.09	-1,146.68	561.73	153.26	124.03	29.23	5.242	
5,300.00	5,156.36	5,294.45	5,118.03	16.92	17.86	30.99	-1,171.45	574.08	156.64	126.80	29.84	5.249	
5,400.00	5,253.25	5,405.61	5,214.06	17.29	18.30	30.90	-1,196.23	586.43	160.03	129.49	30.53	5.241	
5,500.00	5,350.14	5,505.67	5,310.09	17.66	18.70	30.81	-1,221.00	598.78	163.41	132.22	31.18	5.240	
5,600.00	5,447.03	5,594.27	5,406.13	18.03	19.05	30.73	-1,245.77	611.13	166.79	134.99	31.80	5.244	
5,700.00	5,543.93	5,694.22	5,502.16	18.41	19.45	30.65	-1,270.55	623.48	170.17	137.71	32.46	5.242	
5,800.00	5,640.82	5,805.84	5,598.19	18.78	19.90	30.57	-1,295.32	635.84	173.56	140.39	33.17	5.233	
5,900.00	5,737.71	5,905.90	5,694.22	19.16	20.31	30.49	-1,320.09	648.19	176.94	143.11	33.83	5.230	
6,000.00	5,834.61	6,005.96	5,790.26	19.53	20.71	30.42	-1,344.87	660.54	180.32	145.82	34.50	5.226	
6,100.00	5,931.50	6,106.02	5,886.29	19.91	21.12	30.35	-1,369.64	672.89	183.71	148.53	35.18	5.223	
6,200.00	6,028.39	6,193.93	5,982.32	20.29	21.48	30.29	-1,394.41	685.24	187.09	151.28	35.81	5.225	
6,300.00	6,125.29	6,306.13	6,078.35	20.68	21.94	30.22	-1,419.19	697.59	190.48	153.95	36.53	5.215	
6,400.00	6,222.18	6,393.81	6,174.38	21.06	22.30	30.16	-1,443.96	709.95	193.86	156.70	37.16	5.216	
6,500.00	6,319.07	6,506.25	6,270.42	21.44	22.76	30.10	-1,468.74	722.30	197.25	159.36	37.89	5.206	
6,600.00	6,415.96	6,593.70	6,366.45	21.83	23.12	30.04	-1,493.51	734.65	200.63	162.11	38.53	5.208	
6,700.00	6,512.86	6,693.64	6,462.48	22.21	23.54	29.98	-1,518.28	747.00	204.02	164.81	39.21	5.203	
6,800.00	6,610.09	6,792.87	6,558.27	22.52	23.86	4.34	-1,542.98	753.45	207.46	167.60	39.86	5.205	
6,900.00	6,707.39	6,891.68	6,653.49	22.74	24.09	-30.91	-1,567.50	744.67	210.92	170.57	40.35	5.227	
7,000.00	6,802.45	6,990.21	6,745.99	22.92	24.28	-50.20	-1,591.29	720.89	214.31	173.59	40.72	5.263	
7,100.00	6,892.94	7,088.48	6,833.63	23.04	24.42	-59.59	-1,613.80	682.78	217.53	176.55	40.97	5.309	
7,200.00	6,976.61	7,186.56	6,914.40	23.13	24.52	-64.59	-1,634.51	631.33	220.49	179.33	41.16	5.357	
7,300.00	7,051.42	7,284.48	6,986.47	23.17	24.58	-67.51	-1,652.95	567.80	223.13	181.80	41.33	5.399	
7,400.00	7,115.52	7,382.29	7,048.20	23.17	24.59	-69.33	-1,668.71	493.72	225.37	183.82	41.55	5.424	
7,500.00	7,167.33	7,480.05	7,098.21	23.13	24.57	-70.53	-1,681.43	410.80	227.16	185.27	41.88	5.423	
7,600.00	7,205.58	7,577.80	7,135.35	23.07	24.52	-71.33	-1,690.82	320.98	228.44	186.05	42.39	5.389	
7,700.00	7,229.32	7,675.59	7,158.77	22.98	24.45	-71.87	-1,696.67	226.31	229.20	186.10	43.10	5.318	
7,800.00	7,237.96	7,773.47	7,167.88	22.87	24.36	-72.21	-1,698.82	128.98	229.42	185.41	44.01	5.213	
7,900.00	7,237.88	7,873.23	7,168.12	22.79	24.29	-72.29	-1,698.68	29.22	229.35	184.20	45.15	5.080	
8,000.00	7,237.75	7,973.23	7,168.26	22.77	24.27	-72.36	-1,698.51	-70.78	229.29	182.80	46.48	4.933	
8,100.00	7,237.62	8,073.23	7,168.40	23.00	24.39	-72.42	-1,698.34	-170.78	229.23	181.23	48.00	4.776	
8,200.00	7,237.49	8,173.23	7,168.55	23.67	24.77	-72.49	-1,698.18	-270.78	229.16	179.48	49.68	4.613	
8,300.00	7,237.36	8,273.23	7,168.69	24.57	25.45	-72.56	-1,698.01	-370.78	229.10	177.59	51.51	4.448	
8,400.00	7,237.24	8,373.23	7,168.83	25.56	26.34	-72.62	-1,697.84	-470.78	229.04	175.57	53.47	4.284	
8,500.00	7,237.11	8,473.23	7,168.97	26.63	27.34	-72.69	-1,697.68	-570.78	228.98	173.43	55.55	4.122	
8,600.00	7,236.98	8,573.23	7,169.11	27.75	28.41	-72.75	-1,697.51	-670.78	228.92	171.18	57.74	3.965	
8,700.00	7,236.85	8,673.22	7,169.25	28.93	29.55	-72.82	-1,697.34	-770.78	228.86	168.83	60.02	3.813	
8,800.00	7,236.72	8,773.22	7,169.39	30.15	30.74	-72.89	-1,697.18	-870.78	228.80	166.40	62.39	3.667	
8,900.00	7,236.60	8,873.22	7,169.53	31.42	31.97	-72.95	-1,697.01	-970.78	228.74	163.90	64.84	3.528	
9,000.00	7,236.47	8,973.22	7,169.68	32.71	33.24	-73.02	-1,696.84	-1,070.78	228.68	161.33	67.35	3.395	
9,100.00	7,236.34	9,073.22	7,169.82	34.04	34.54	-73.08	-1,696.68	-1,170.78	228.62	158.70	69.92	3.270	
9,200.00	7,236.21	9,173.22	7,169.96	35.40	35.87	-73.15	-1,696.51	-1,270.77	228.56	156.01	72.55	3.150	
9,300.00	7,236.08	9,273.22	7,170.10	36.78	37.23	-73.22	-1,696.34	-1,370.77	228.50	153.27	75.23	3.037	
9,400.00	7,235.95	9,373.22	7,170.24	38.18	38.61	-73.28	-1,696.18	-1,470.77	228.44	150.50	77.95	2.931	
9,500.00	7,235.83	9,473.22	7,170.38	39.60	40.02	-73.35	-1,696.01	-1,570.77	228.38	147.68	80.71	2.830	
9,600.00	7,235.70	9,573.22	7,170.52	41.04	41.44	-73.41	-1,695.84	-1,670.77	228.33	144.82	83.50	2.734	
9,700.00	7,235.57	9,673.22	7,170.67	42.50	42.88	-73.48	-1,695.68	-1,770.77	228.27	141.94	86.33	2.644	
9,800.00	7,235.44	9,773.22	7,170.81	43.97	44.34	-73.55	-1,695.51	-1,870.77	228.21	139.02	89.19	2.559	
9,900.00	7,235.31	9,873.22	7,170.95	45.46	45.81	-73.61	-1,695.34	-1,970.77	228.15	136.08	92.07	2.478	
10,000.00	7,235.18	9,973.22	7,171.09	46.95	47.29	-73.68	-1,695.18	-2,070.77	228.10	133.12	94.98	2.402	
10,100.00	7,235.06	10,073.22	7,171.23	48.46	48.79	-73.75	-1,695.01	-2,170.77	228.04	130.13	97.91	2.329	
10,200.00	7,234.93	10,173.22	7,171.37	49.98	50.29	-73.81	-1,694.84	-2,270.77	227.99	127.12	100.86	2.260	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
10,300.00	7,234.80	10,273.22	7,171.51	51.51	51.81	-73.88	-1,694.68	-2,370.77	227.93	124.09	103.84	2.195	
10,400.00	7,234.67	10,373.22	7,171.65	53.04	53.33	-73.95	-1,694.51	-2,470.77	227.87	121.05	106.83	2.133	
10,500.00	7,234.54	10,473.22	7,171.80	54.59	54.87	-74.01	-1,694.34	-2,570.77	227.82	117.99	109.83	2.074	
10,600.00	7,234.41	10,573.22	7,171.94	56.14	56.41	-74.08	-1,694.18	-2,670.77	227.76	114.91	112.85	2.018	
10,700.00	7,234.29	10,673.22	7,172.08	57.69	57.95	-74.15	-1,694.01	-2,770.77	227.71	111.82	115.89	1.965	
10,800.00	7,234.16	10,773.22	7,172.22	59.26	59.51	-74.21	-1,693.84	-2,870.76	227.66	108.72	118.93	1.914	
10,900.00	7,234.03	10,873.22	7,172.36	60.83	61.07	-74.28	-1,693.68	-2,970.76	227.60	105.61	121.99	1.866	
11,000.00	7,233.90	10,973.22	7,172.50	62.40	62.63	-74.35	-1,693.51	-3,070.76	227.55	102.48	125.06	1.819	
11,100.00	7,233.77	11,073.22	7,172.64	63.98	64.21	-74.41	-1,693.34	-3,170.76	227.50	99.35	128.15	1.775	
11,200.00	7,233.64	11,173.22	7,172.78	65.56	65.78	-74.48	-1,693.18	-3,270.76	227.44	96.21	131.24	1.733	
11,300.00	7,233.52	11,273.22	7,172.93	67.15	67.36	-74.55	-1,693.01	-3,370.76	227.39	93.05	134.34	1.693	
11,400.00	7,233.39	11,373.22	7,173.07	68.74	68.95	-74.61	-1,692.84	-3,470.76	227.34	89.89	137.45	1.654	
11,500.00	7,233.26	11,473.21	7,173.21	70.34	70.53	-74.68	-1,692.68	-3,570.76	227.29	86.72	140.57	1.617	
11,600.00	7,233.13	11,573.21	7,173.35	71.93	72.13	-74.75	-1,692.51	-3,670.76	227.23	83.54	143.69	1.581	
11,700.00	7,233.00	11,673.21	7,173.49	73.54	73.72	-74.81	-1,692.34	-3,770.76	227.18	80.35	146.83	1.547	
11,800.00	7,232.87	11,773.21	7,173.63	75.14	75.32	-74.88	-1,692.18	-3,870.76	227.13	77.16	149.97	1.515	
11,900.00	7,232.75	11,873.21	7,173.77	76.75	76.92	-74.95	-1,692.01	-3,970.76	227.08	73.96	153.12	1.483	Level 3
12,000.00	7,232.62	11,973.21	7,173.92	78.36	78.53	-75.02	-1,691.85	-4,070.76	227.03	70.76	156.27	1.453	Level 3
12,100.00	7,232.49	12,073.21	7,174.06	79.97	80.13	-75.08	-1,691.68	-4,170.76	226.98	67.55	159.43	1.424	Level 3
12,200.00	7,232.36	12,173.21	7,174.20	81.58	81.74	-75.15	-1,691.51	-4,270.76	226.93	64.33	162.60	1.396	Level 3
12,300.00	7,232.23	12,273.21	7,174.34	83.20	83.36	-75.22	-1,691.35	-4,370.76	226.88	61.11	165.77	1.369	Level 3
12,400.00	7,232.10	12,373.21	7,174.48	84.82	84.97	-75.28	-1,691.18	-4,470.76	226.83	57.89	168.95	1.343	Level 3
12,500.00	7,231.98	12,473.21	7,174.62	86.44	86.59	-75.35	-1,691.01	-4,570.75	226.78	54.65	172.13	1.318	Level 3
12,600.00	7,231.85	12,573.21	7,174.76	88.06	88.21	-75.42	-1,690.85	-4,670.75	226.73	51.42	175.32	1.293	Level 3
12,700.00	7,231.72	12,673.21	7,174.90	89.69	89.83	-75.49	-1,690.68	-4,770.75	226.69	48.18	178.51	1.270	Level 3
12,800.00	7,231.59	12,773.21	7,175.05	91.32	91.45	-75.55	-1,690.51	-4,870.75	226.64	44.93	181.70	1.247	Level 2
12,900.00	7,231.46	12,873.21	7,175.19	92.94	93.07	-75.62	-1,690.35	-4,970.75	226.59	41.69	184.90	1.225	Level 2
13,000.00	7,231.33	12,973.21	7,175.33	94.57	94.70	-75.69	-1,690.18	-5,070.75	226.54	38.43	188.11	1.204	Level 2
13,100.00	7,231.21	13,073.21	7,175.47	96.20	96.32	-75.75	-1,690.01	-5,170.75	226.50	35.18	191.32	1.184	Level 2
13,200.00	7,231.08	13,173.21	7,175.61	97.84	97.95	-75.82	-1,689.85	-5,270.75	226.45	31.92	194.53	1.164	Level 2
13,300.00	7,230.95	13,273.21	7,175.75	99.47	99.58	-75.89	-1,689.68	-5,370.75	226.40	28.66	197.75	1.145	Level 2
13,400.00	7,230.82	13,373.21	7,175.89	101.10	101.21	-75.96	-1,689.51	-5,470.75	226.36	25.39	200.97	1.126	Level 2
13,500.00	7,230.69	13,473.21	7,176.04	102.74	102.85	-76.02	-1,689.35	-5,570.75	226.31	22.12	204.19	1.108	Level 2
13,600.00	7,230.56	13,573.21	7,176.18	104.38	104.48	-76.09	-1,689.18	-5,670.75	226.27	18.85	207.42	1.091	Level 2
13,700.00	7,230.44	13,673.21	7,176.32	106.02	106.12	-76.16	-1,689.01	-5,770.75	226.22	15.57	210.65	1.074	Level 2
13,800.00	7,230.31	13,773.21	7,176.46	107.65	107.75	-76.23	-1,688.85	-5,870.75	226.18	12.29	213.88	1.057	Level 2
13,900.00	7,230.18	13,873.21	7,176.60	109.29	109.39	-76.29	-1,688.68	-5,970.75	226.13	9.01	217.12	1.042	Level 2
14,000.00	7,230.05	13,973.21	7,176.74	110.94	111.03	-76.36	-1,688.51	-6,070.75	226.09	5.73	220.36	1.026	Level 2
14,100.00	7,229.92	14,073.21	7,176.88	112.58	112.67	-76.43	-1,688.35	-6,170.74	226.04	2.44	223.60	1.011	Level 2
14,200.00	7,229.80	14,173.20	7,177.02	114.22	114.31	-76.50	-1,688.18	-6,270.74	226.00	-0.84	226.84	0.996	Level 1
14,300.00	7,229.67	14,273.20	7,177.17	115.86	115.95	-76.56	-1,688.01	-6,370.74	225.96	-4.14	230.09	0.982	Level 1
14,400.00	7,229.54	14,373.20	7,177.31	117.51	117.59	-76.63	-1,687.85	-6,470.74	225.91	-7.43	233.34	0.968	Level 1
14,500.00	7,229.41	14,473.20	7,177.45	119.15	119.23	-76.70	-1,687.68	-6,570.74	225.87	-10.73	236.60	0.955	Level 1
14,600.00	7,229.28	14,573.20	7,177.59	120.80	120.88	-76.77	-1,687.51	-6,670.74	225.83	-14.02	239.85	0.942	Level 1
14,700.00	7,229.15	14,673.20	7,177.73	122.45	122.52	-76.84	-1,687.35	-6,770.74	225.79	-17.32	243.11	0.929	Level 1
14,800.00	7,229.03	14,773.20	7,177.87	124.09	124.17	-76.90	-1,687.18	-6,870.74	225.74	-20.63	246.37	0.916	Level 1
14,900.00	7,228.90	14,873.20	7,178.01	125.74	125.81	-76.97	-1,687.01	-6,970.74	225.70	-23.93	249.63	0.904	Level 1
15,000.00	7,228.77	14,973.20	7,178.16	127.39	127.46	-77.04	-1,686.85	-7,070.74	225.66	-27.24	252.90	0.892	Level 1
15,100.00	7,228.64	15,073.20	7,178.30	129.04	129.10	-77.11	-1,686.68	-7,170.74	225.62	-30.54	256.17	0.881	Level 1
15,200.00	7,228.51	15,173.20	7,178.44	130.69	130.75	-77.17	-1,686.51	-7,270.74	225.58	-33.85	259.44	0.870	Level 1
15,300.00	7,228.38	15,273.20	7,178.58	132.34	132.40	-77.24	-1,686.35	-7,370.74	225.54	-37.17	262.71	0.859	Level 1
15,400.00	7,228.26	15,373.20	7,178.72	133.99	134.05	-77.31	-1,686.18	-7,470.74	225.50	-40.48	265.98	0.848	Level 1

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 32N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

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

Offset Well Error: 3.28 usft

Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,228.13	15,473.20	7,178.86	135.64	135.70	-77.38	-1,686.01	-7,570.74	225.46	-43.80	269.26	0.837	Level 1
15,598.93	7,228.00	15,572.13	7,179.00	137.27	137.33	-77.45	-1,685.85	-7,669.67	225.42	-47.08	272.50	0.827	Level 1, ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-90.42	-1.09	-150.17	150.18				
100.00	100.00	101.00	101.00	3.28	3.28	-90.42	-1.09	-150.17	150.18	142.65	7.53	19.946	
200.00	200.00	201.00	201.00	3.31	3.31	-90.42	-1.09	-150.17	150.18	142.60	7.57	19.827	
300.00	299.98	300.69	300.67	3.35	3.35	119.12	-2.86	-150.26	151.13	143.48	7.65	19.748	
400.00	399.84	400.32	400.16	3.41	3.41	118.82	-8.08	-150.52	153.99	146.22	7.77	19.823	
500.00	499.45	499.84	499.30	3.49	3.49	118.36	-16.75	-150.95	158.75	150.81	7.94	20.002	
600.00	598.70	599.20	597.90	3.60	3.60	117.75	-28.83	-151.55	165.42	157.25	8.17	20.256	
700.00	697.47	698.32	695.81	3.76	3.75	117.03	-44.27	-152.32	173.99	165.52	8.47	20.548	
800.00	795.62	797.18	792.86	3.96	3.94	116.24	-63.03	-153.26	184.47	175.62	8.85	20.844	
900.00	893.06	903.74	889.65	4.21	4.19	115.69	-84.22	-154.31	196.73	187.39	9.34	21.068	
1,000.00	989.96	1,004.63	986.44	4.50	4.46	115.89	-105.51	-155.37	209.97	200.09	9.89	21.239	
1,100.00	1,086.85	1,105.51	1,083.23	4.83	4.76	116.12	-126.80	-156.43	223.25	212.76	10.49	21.287	
1,200.00	1,183.75	1,206.40	1,180.03	5.19	5.07	116.32	-148.09	-157.49	236.52	225.39	11.13	21.244	
1,300.00	1,280.64	1,307.29	1,276.82	5.56	5.41	116.49	-169.38	-158.55	249.80	237.98	11.82	21.140	
1,400.00	1,377.53	1,408.18	1,373.61	5.95	5.76	116.65	-190.67	-159.61	263.07	250.55	12.53	20.997	
1,500.00	1,474.42	1,509.07	1,470.40	6.36	6.12	116.80	-211.96	-160.67	276.36	263.09	13.27	20.830	
1,600.00	1,571.32	1,609.95	1,567.20	6.78	6.49	116.93	-233.25	-161.73	289.64	275.61	14.03	20.650	
1,700.00	1,668.21	1,689.16	1,663.99	7.20	6.78	117.05	-254.54	-162.79	302.92	288.20	14.72	20.579	
1,800.00	1,765.10	1,788.27	1,760.78	7.64	7.16	117.16	-275.83	-163.85	316.21	300.70	15.50	20.398	
1,900.00	1,862.00	1,887.38	1,857.57	7.88	7.39	117.26	-297.12	-164.91	329.49	313.91	15.58	21.150	
2,000.00	1,958.89	1,986.49	1,954.37	7.94	7.46	117.35	-318.41	-165.97	342.78	327.08	15.70	21.828	
2,100.00	2,055.78	2,085.61	2,051.16	8.02	7.53	117.44	-339.70	-167.03	356.07	340.22	15.85	22.471	
2,200.00	2,152.67	2,184.72	2,147.95	8.13	7.62	117.52	-360.99	-168.09	369.36	353.33	16.03	23.048	
2,300.00	2,249.57	2,283.83	2,244.74	8.25	7.72	117.59	-382.28	-169.15	382.64	366.40	16.24	23.559	
2,400.00	2,346.46	2,382.94	2,341.54	8.39	7.85	117.66	-403.57	-170.21	395.93	379.44	16.49	24.005	
2,500.00	2,443.35	2,482.05	2,438.33	8.55	7.98	117.73	-424.86	-171.27	409.22	392.44	16.78	24.388	
2,600.00	2,540.25	2,581.16	2,535.12	8.72	8.14	117.79	-446.15	-172.33	422.51	405.42	17.10	24.712	
2,700.00	2,637.14	2,680.28	2,631.91	8.91	8.30	117.84	-467.44	-173.39	435.81	418.36	17.45	24.981	
2,800.00	2,734.03	2,779.39	2,728.70	9.12	8.49	117.90	-488.74	-174.45	449.10	431.28	17.82	25.200	
2,900.00	2,830.93	2,878.50	2,825.50	9.34	8.68	117.95	-510.03	-175.51	462.39	444.16	18.22	25.372	
3,000.00	2,927.82	2,977.61	2,922.29	9.57	8.89	118.00	-531.32	-176.57	475.68	457.03	18.65	25.503	
3,100.00	3,024.71	3,076.72	3,019.08	9.81	9.11	118.04	-552.61	-177.63	488.97	469.87	19.10	25.598	
3,200.00	3,121.60	3,175.84	3,115.87	10.07	9.33	118.08	-573.90	-178.69	502.27	482.69	19.57	25.660	
3,300.00	3,218.50	3,274.95	3,212.67	10.33	9.57	118.12	-595.19	-179.75	515.56	495.49	20.07	25.694	
3,400.00	3,315.39	3,374.06	3,309.46	10.61	9.82	118.16	-616.48	-180.81	528.85	508.28	20.58	25.703	
3,500.00	3,412.28	3,473.17	3,406.25	10.89	10.07	118.20	-637.77	-181.87	542.15	521.04	21.10	25.691	
3,600.00	3,509.18	3,572.28	3,503.04	11.18	10.34	118.23	-659.06	-182.93	555.44	533.79	21.65	25.661	
3,700.00	3,606.07	3,671.40	3,599.84	11.48	10.61	118.27	-680.35	-183.99	568.73	546.53	22.20	25.615	
3,800.00	3,702.96	3,770.51	3,696.63	11.78	10.88	118.30	-701.64	-185.05	582.03	559.25	22.77	25.557	
3,900.00	3,799.85	3,869.62	3,793.42	12.10	11.16	118.33	-722.93	-186.11	595.32	571.96	23.36	25.488	
4,000.00	3,896.75	3,968.73	3,890.21	12.41	11.45	118.36	-744.22	-187.17	608.62	584.66	23.95	25.410	
4,100.00	3,993.64	4,067.84	3,987.01	12.74	11.75	118.39	-765.51	-188.23	621.91	597.35	24.56	25.325	
4,200.00	4,090.53	4,166.96	4,083.80	13.07	12.04	118.41	-786.80	-189.29	635.20	610.03	25.17	25.234	
4,300.00	4,187.43	4,266.07	4,180.59	13.40	12.35	118.44	-808.09	-190.35	648.50	622.70	25.80	25.139	
4,400.00	4,284.32	4,365.18	4,277.38	13.74	12.65	118.46	-829.38	-191.41	661.79	635.36	26.43	25.040	
4,500.00	4,381.21	4,464.29	4,374.18	14.08	12.96	118.49	-850.67	-192.47	675.09	648.02	27.07	24.938	
4,600.00	4,478.11	4,563.40	4,470.97	14.42	13.28	118.51	-871.96	-193.53	688.38	660.67	27.72	24.835	
4,700.00	4,575.00	4,662.51	4,567.76	14.77	13.60	118.53	-893.25	-194.59	701.68	673.31	28.37	24.730	
4,800.00	4,671.89	4,761.63	4,664.55	15.12	13.92	118.55	-914.54	-195.65	714.98	685.94	29.03	24.625	
4,900.00	4,768.78	4,860.74	4,761.35	15.48	14.24	118.57	-935.83	-196.71	728.27	698.57	29.70	24.520	
5,000.00	4,865.68	4,959.85	4,858.14	15.84	14.57	118.59	-957.12	-197.77	741.57	711.19	30.37	24.415	
5,100.00	4,962.57	5,058.96	4,954.93	16.20	14.90	118.61	-978.41	-198.83	754.86	723.81	31.05	24.310	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
5,200.00	5,059.46	5,158.07	5,051.72	16.56	15.23	118.63	-999.70	-199.89	768.16	736.42	31.73	24.206	
5,300.00	5,156.36	5,257.19	5,148.52	16.92	15.56	118.64	-1,020.99	-200.95	781.45	749.03	32.42	24.103	
5,400.00	5,253.25	5,356.30	5,245.31	17.29	15.90	118.66	-1,042.28	-202.01	794.75	761.64	33.11	24.001	
5,500.00	5,350.14	5,455.41	5,342.10	17.66	16.24	118.68	-1,063.57	-203.07	808.04	774.24	33.81	23.901	
5,600.00	5,447.03	5,554.52	5,438.89	18.03	16.57	118.69	-1,084.86	-204.13	821.34	786.83	34.51	23.802	
5,700.00	5,543.93	5,653.63	5,535.68	18.41	16.92	118.71	-1,106.15	-205.19	834.64	799.43	35.21	23.705	
5,800.00	5,640.82	5,752.75	5,632.48	18.78	17.26	118.72	-1,127.44	-206.25	847.93	812.02	35.92	23.609	
5,900.00	5,737.71	5,851.86	5,729.27	19.16	17.60	118.74	-1,148.73	-207.31	861.23	824.60	36.62	23.515	
6,000.00	5,834.61	5,950.97	5,826.06	19.53	17.95	118.75	-1,170.02	-208.37	874.52	837.19	37.34	23.423	
6,100.00	5,931.50	6,050.08	5,922.85	19.91	18.30	118.77	-1,191.31	-209.43	887.82	849.77	38.05	23.333	
6,200.00	6,028.39	6,149.19	6,019.65	20.29	18.64	118.78	-1,212.60	-210.49	901.12	862.35	38.77	23.244	
6,300.00	6,125.29	6,248.31	6,116.44	20.68	18.99	118.79	-1,233.89	-211.55	914.41	874.93	39.49	23.157	
6,400.00	6,222.18	6,347.42	6,213.23	21.06	19.35	118.80	-1,255.18	-212.61	927.71	887.50	40.21	23.072	
6,500.00	6,319.07	7,986.88	7,158.64	21.44	25.33	117.68	-1,465.92	727.77	859.44	830.63	28.81	29.831	
6,600.00	6,415.96	8,000.94	7,158.62	21.83	25.45	117.50	-1,465.96	739.95	760.19	731.06	29.13	26.099	
6,700.00	6,512.86	8,011.24	7,158.61	22.21	25.54	117.27	-1,465.99	752.13	660.93	631.50	29.43	22.455	
6,800.00	6,610.09	8,019.39	7,158.60	22.52	25.61	68.07	-1,466.01	760.28	561.33	531.60	29.73	18.879	
6,900.00	6,707.39	8,012.48	7,158.61	22.74	25.55	-121.41	-1,465.99	753.37	461.68	431.73	29.95	15.416	
7,000.00	6,802.45	8,009.93	7,158.63	22.92	25.53	-142.24	-1,465.93	730.95	364.33	334.17	30.16	12.080	
7,100.00	6,892.94	7,952.70	7,158.68	23.04	25.05	-152.42	-1,465.83	693.59	271.68	241.58	30.10	9.026	
7,200.00	6,976.61	7,901.30	7,158.74	23.13	24.65	-157.88	-1,465.69	642.19	186.03	155.98	30.05	6.191	
7,300.00	7,051.42	7,837.13	7,158.81	23.17	24.19	-160.81	-1,465.52	578.02	109.47	79.53	29.94	3.656	
7,400.00	7,115.52	7,761.78	7,158.90	23.17	23.74	-161.23	-1,465.32	502.67	43.91	14.13	29.78	1.475	Level 3
7,480.83	7,158.41	7,693.96	7,158.98	23.14	23.39	-75.58	-1,465.14	434.85	1.97	-40.06	42.03	0.047	Level 1, CC, ES, SF
7,500.00	7,167.33	7,677.14	7,159.00	23.13	23.32	0.50	-1,465.09	418.03	9.33	-21.67	31.00	0.301	Level 1
7,600.00	7,205.58	7,592.40	7,153.23	23.07	22.98	11.01	-1,463.58	333.56	54.77	24.05	30.72	1.783	
7,700.00	7,229.32	7,511.86	7,137.64	22.98	22.72	11.53	-1,459.92	254.68	97.92	65.90	32.02	3.058	
7,800.00	7,237.96	7,434.60	7,113.67	22.87	22.51	11.73	-1,454.43	181.50	138.04	104.38	33.66	4.101	
7,900.00	7,237.88	7,362.22	7,083.51	22.79	22.33	11.90	-1,447.60	116.10	180.75	145.32	35.43	5.102	
8,000.00	7,237.75	7,300.00	7,051.93	22.77	22.19	12.00	-1,440.50	62.99	232.88	195.64	37.24	6.253	
8,100.00	7,237.62	7,241.07	7,017.48	23.00	22.05	12.08	-1,432.78	15.83	292.86	254.31	38.55	7.598	
8,200.00	7,237.49	7,191.61	6,985.38	23.67	21.93	12.13	-1,425.61	-21.10	359.30	319.52	39.78	9.032	
8,300.00	7,237.36	7,150.00	6,956.27	24.57	21.82	12.17	-1,419.12	-50.10	430.99	390.14	40.85	10.551	
8,400.00	7,237.24	7,111.06	6,927.41	25.56	21.73	12.20	-1,412.70	-75.43	506.93	465.29	41.64	12.173	
8,500.00	7,237.11	7,078.34	6,902.03	26.63	21.64	12.22	-1,407.06	-95.28	586.34	544.01	42.33	13.850	
8,600.00	7,236.98	7,050.00	6,879.26	27.75	21.57	12.23	-1,402.00	-111.38	668.58	625.68	42.90	15.585	
8,700.00	7,236.85	7,024.45	6,858.15	28.93	21.50	12.24	-1,397.32	-124.99	753.16	709.80	43.36	17.370	
8,800.00	7,236.72	7,000.00	6,837.47	30.15	21.44	12.26	-1,392.73	-137.19	839.67	795.95	43.72	19.206	
8,900.00	7,236.60	6,982.34	6,822.25	31.42	21.39	12.26	-1,389.36	-145.49	927.77	883.71	44.06	21.056	
9,000.00	7,236.47	6,964.66	6,806.80	32.71	21.34	12.27	-1,385.94	-153.37	1,017.24	972.91	44.33	22.946	
9,100.00	7,236.34	6,950.00	6,793.82	34.04	21.30	12.27	-1,383.06	-159.56	1,107.85	1,063.29	44.57	24.858	
9,200.00	7,236.21	6,934.52	6,779.98	35.40	21.26	12.28	-1,380.00	-165.77	1,199.44	1,154.68	44.76	26.800	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 40N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

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

Offset Well Error: 3.28 usft

Reference 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	-98.02	-21.13	-149.89	151.38				
100.00	100.00	101.00	101.00	3.28	3.28	-98.02	-21.13	-149.89	151.38	143.85	7.53	20.106	
200.00	200.00	201.00	201.00	3.31	3.31	-98.02	-21.13	-149.89	151.38	143.80	7.57	19.986	CC, ES
300.00	299.98	300.03	300.01	3.35	3.34	111.57	-22.88	-149.97	152.34	144.69	7.65	19.907	
400.00	399.84	399.01	398.85	3.41	3.40	111.42	-28.04	-150.19	155.22	147.45	7.77	19.984	
500.00	499.45	497.89	497.35	3.49	3.49	111.19	-36.59	-150.55	160.00	152.07	7.93	20.166	
600.00	598.70	596.60	595.34	3.60	3.60	110.89	-48.52	-151.06	166.69	158.53	8.16	20.421	
700.00	697.47	695.11	692.65	3.76	3.74	110.53	-63.77	-151.72	175.28	166.82	8.46	20.713	
800.00	795.62	793.35	789.12	3.96	3.93	110.13	-82.30	-152.51	185.74	176.90	8.84	21.006	
900.00	893.06	891.29	884.60	4.21	4.16	109.70	-104.06	-153.44	198.07	188.75	9.31	21.266	
1,000.00	989.96	989.61	979.75	4.50	4.44	109.27	-128.79	-154.50	211.76	201.89	9.87	21.446	
1,100.00	1,086.85	1,088.63	1,075.47	4.83	4.76	108.82	-154.15	-155.59	225.57	215.07	10.50	21.480	
1,200.00	1,183.75	1,187.66	1,171.19	5.19	5.10	108.41	-179.50	-156.67	239.40	228.22	11.18	21.414	
1,300.00	1,280.64	1,286.69	1,266.91	5.56	5.47	108.06	-204.86	-157.76	253.23	241.33	11.90	21.282	
1,400.00	1,377.53	1,385.71	1,362.63	5.95	5.85	107.74	-230.22	-158.84	267.08	254.43	12.65	21.110	
1,500.00	1,474.42	1,484.74	1,458.35	6.36	6.24	107.45	-255.57	-159.93	280.93	267.50	13.43	20.915	
1,600.00	1,571.32	1,583.77	1,554.06	6.78	6.65	107.19	-280.93	-161.01	294.79	280.55	14.23	20.709	
1,700.00	1,668.21	1,682.79	1,649.78	7.20	7.06	106.95	-306.29	-162.10	308.65	293.59	15.06	20.499	
1,800.00	1,765.10	1,781.82	1,745.50	7.64	7.49	106.73	-331.64	-163.18	322.52	306.62	15.89	20.292	
1,900.00	1,862.00	1,880.85	1,841.22	7.88	7.76	106.53	-357.00	-164.27	336.39	320.37	16.02	21.000	
2,000.00	1,958.89	1,979.87	1,936.94	7.94	7.86	106.35	-382.35	-165.35	350.27	334.09	16.17	21.658	
2,100.00	2,055.78	2,078.90	2,032.66	8.02	7.94	106.18	-407.71	-166.44	364.15	347.82	16.33	22.299	
2,200.00	2,152.67	2,177.93	2,128.38	8.13	8.04	106.02	-433.07	-167.52	378.03	361.50	16.53	22.872	
2,300.00	2,249.57	2,276.95	2,224.10	8.25	8.16	105.88	-458.42	-168.61	391.91	375.15	16.76	23.377	
2,400.00	2,346.46	2,375.98	2,319.82	8.39	8.30	105.74	-483.78	-169.69	405.80	388.76	17.04	23.816	
2,500.00	2,443.35	2,475.01	2,415.54	8.55	8.46	105.61	-509.14	-170.78	419.69	402.34	17.35	24.192	
2,600.00	2,540.25	2,574.03	2,511.26	8.72	8.64	105.49	-534.49	-171.86	433.58	415.89	17.69	24.509	
2,700.00	2,637.14	2,673.06	2,606.97	8.91	8.83	105.38	-559.85	-172.95	447.47	429.41	18.06	24.770	
2,800.00	2,734.03	2,772.09	2,702.69	9.12	9.03	105.28	-585.20	-174.03	461.37	442.90	18.47	24.981	
2,900.00	2,830.93	2,871.11	2,798.41	9.34	9.25	105.18	-610.56	-175.12	475.26	456.36	18.90	25.147	
3,000.00	2,927.82	2,970.14	2,894.13	9.57	9.49	105.09	-635.92	-176.20	489.16	469.80	19.36	25.271	
3,100.00	3,024.71	3,069.17	2,989.85	9.81	9.73	105.00	-661.27	-177.29	503.06	483.22	19.84	25.359	
3,200.00	3,121.60	3,168.19	3,085.57	10.07	9.99	104.92	-686.63	-178.37	516.96	496.62	20.34	25.416	
3,300.00	3,218.50	3,267.22	3,181.29	10.33	10.25	104.84	-711.99	-179.46	530.86	510.00	20.86	25.445	
3,400.00	3,315.39	3,366.25	3,277.01	10.61	10.53	104.76	-737.34	-180.54	544.76	523.35	21.41	25.450	
3,500.00	3,412.28	3,465.27	3,372.73	10.89	10.81	104.69	-762.70	-181.63	558.66	536.70	21.96	25.435	
3,600.00	3,509.18	3,564.30	3,468.45	11.18	11.11	104.62	-788.05	-182.71	572.57	550.02	22.54	25.402	
3,700.00	3,606.07	3,663.33	3,564.17	11.48	11.41	104.56	-813.41	-183.80	586.47	563.34	23.13	25.355	
3,800.00	3,702.96	3,762.35	3,659.89	11.78	11.72	104.50	-838.77	-184.88	600.37	576.64	23.73	25.295	
3,900.00	3,799.85	3,861.38	3,755.60	12.10	12.03	104.44	-864.12	-185.97	614.28	589.93	24.35	25.225	
4,000.00	3,896.75	3,960.41	3,851.32	12.41	12.35	104.38	-889.48	-187.05	628.18	603.20	24.98	25.147	
4,100.00	3,993.64	4,059.43	3,947.04	12.74	12.67	104.33	-914.84	-188.14	642.09	616.47	25.62	25.062	
4,200.00	4,090.53	4,158.46	4,042.76	13.07	13.00	104.28	-940.19	-189.22	656.00	629.73	26.27	24.972	
4,300.00	4,187.43	4,257.49	4,138.48	13.40	13.34	104.23	-965.55	-190.31	669.90	642.98	26.93	24.877	
4,400.00	4,284.32	4,356.51	4,234.20	13.74	13.68	104.18	-990.90	-191.39	683.81	656.22	27.60	24.779	
4,500.00	4,381.21	4,455.54	4,329.92	14.08	14.02	104.13	-1,016.26	-192.48	697.72	669.45	28.27	24.679	
4,600.00	4,478.11	4,554.57	4,425.64	14.42	14.37	104.09	-1,041.62	-193.56	711.63	682.67	28.95	24.577	
4,700.00	4,575.00	4,653.59	4,521.36	14.77	14.72	104.05	-1,066.97	-194.65	725.54	695.89	29.64	24.474	
4,800.00	4,671.89	4,752.62	4,617.08	15.12	15.07	104.01	-1,092.33	-195.73	739.45	709.11	30.34	24.371	
4,900.00	4,768.78	4,851.65	4,712.80	15.48	15.43	103.97	-1,117.69	-196.82	753.36	722.31	31.04	24.268	
5,000.00	4,865.68	4,950.67	4,808.52	15.84	15.79	103.93	-1,143.04	-197.90	767.27	735.52	31.75	24.165	
5,100.00	4,962.57	5,049.70	4,904.23	16.20	16.15	103.90	-1,168.40	-198.99	781.18	748.71	32.46	24.063	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 40N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

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

Offset Well Error: 3.28 usft

Reference 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	5,059.46	5,148.73	4,999.95	16.56	16.51	103.86	-1,193.75	-200.07	795.09	761.91	33.18	23.961	
5,300.00	5,156.36	5,247.75	5,095.67	16.92	16.88	103.83	-1,219.11	-201.16	809.00	775.09	33.91	23.861	
5,400.00	5,253.25	5,346.78	5,191.39	17.29	17.25	103.80	-1,244.47	-202.24	822.91	788.28	34.63	23.762	
5,500.00	5,350.14	5,445.81	5,287.11	17.66	17.62	103.76	-1,269.82	-203.33	836.82	801.46	35.36	23.664	
5,600.00	5,447.03	5,544.83	5,382.83	18.03	17.99	103.73	-1,295.18	-204.41	850.73	814.64	36.10	23.568	
5,700.00	5,543.93	5,643.86	5,478.55	18.41	18.37	103.70	-1,320.54	-205.50	864.64	827.81	36.84	23.473	
5,800.00	5,640.82	5,742.89	5,574.27	18.78	18.74	103.68	-1,345.89	-206.58	878.56	840.98	37.58	23.380	
5,900.00	5,737.71	5,841.91	5,669.99	19.16	19.12	103.65	-1,371.25	-207.67	892.47	854.15	38.32	23.289	
6,000.00	5,834.61	5,940.94	5,765.71	19.53	19.50	103.62	-1,396.60	-208.75	906.38	867.31	39.07	23.199	
6,100.00	5,931.50	6,039.97	5,861.43	19.91	19.88	103.60	-1,421.96	-209.84	920.29	880.47	39.82	23.112	
6,200.00	6,028.39	6,138.99	5,957.14	20.29	20.26	103.57	-1,447.32	-210.92	934.21	893.63	40.57	23.026	
6,300.00	6,125.29	6,238.02	6,052.86	20.68	20.65	103.55	-1,472.67	-212.01	948.12	906.79	41.33	22.941	
6,400.00	6,222.18	6,337.05	6,148.58	21.06	21.03	103.52	-1,498.03	-213.09	962.03	919.95	42.09	22.859	
6,500.00	6,319.07	6,436.07	6,244.30	21.44	21.42	103.50	-1,523.39	-214.18	975.95	933.10	42.85	22.778	
6,600.00	6,415.96	8,137.64	7,229.49	21.83	27.54	49.41	-1,785.20	737.65	946.81	916.15	30.65	30.887	
6,700.00	6,512.86	8,150.05	7,229.50	22.21	27.63	47.31	-1,785.21	750.07	853.22	821.89	31.33	27.236	
6,800.00	6,610.09	8,158.43	7,229.52	22.52	27.70	4.18	-1,785.22	758.45	760.74	728.63	32.11	23.690	
6,900.00	6,707.39	8,151.76	7,229.51	22.74	27.65	-49.69	-1,785.22	751.77	670.22	637.24	32.98	20.322	
7,000.00	6,802.45	8,129.57	7,229.47	22.92	27.48	-80.12	-1,785.19	729.59	584.65	550.68	33.97	17.211	
7,100.00	6,892.94	8,107.57	7,229.42	23.04	27.32	-94.86	-1,785.14	692.44	507.16	471.93	35.23	14.396	
7,200.00	6,976.61	8,041.23	7,229.34	23.13	26.88	-101.19	-1,785.08	641.24	440.77	404.27	36.51	12.074	
7,300.00	7,051.42	7,977.24	7,229.24	23.17	26.50	-102.49	-1,784.99	577.26	387.91	349.91	38.00	10.209	
7,400.00	7,115.52	7,902.04	7,229.13	23.17	26.12	-100.57	-1,784.90	502.06	349.70	310.29	39.42	8.872	
7,500.00	7,167.33	7,817.58	7,229.00	23.13	25.77	-96.81	-1,784.79	417.60	325.33	284.78	40.55	8.023	
7,600.00	7,205.58	7,709.39	7,220.04	23.07	25.41	-90.18	-1,782.33	309.93	309.54	267.83	41.71	7.422	
7,700.00	7,229.32	7,610.52	7,196.56	22.98	25.14	-82.81	-1,776.02	214.21	299.70	257.28	42.42	7.065	
7,796.22	7,237.92	7,522.25	7,163.72	22.88	24.92	-75.31	-1,767.25	132.82	296.58	253.81	42.77	6.935	
7,800.00	7,237.96	7,518.90	7,162.26	22.87	24.91	-75.01	-1,766.86	129.83	296.58	253.81	42.77	6.934	SF
7,900.00	7,237.88	7,436.19	7,121.52	22.79	24.71	-66.94	-1,756.01	58.73	301.15	258.07	43.08	6.991	
8,000.00	7,237.75	7,365.86	7,080.12	22.77	24.53	-59.07	-1,744.99	3.00	317.42	273.85	43.58	7.284	
8,100.00	7,237.62	7,306.70	7,040.87	23.00	24.38	-52.13	-1,734.56	-39.98	347.83	303.49	44.34	7.845	
8,200.00	7,237.49	7,257.06	7,005.07	23.67	24.24	-46.36	-1,725.04	-73.01	391.98	346.72	45.26	8.660	
8,300.00	7,237.36	7,215.28	6,973.08	24.57	24.13	-41.69	-1,716.55	-98.50	447.75	401.59	46.16	9.700	
8,400.00	7,237.24	7,179.92	6,944.80	25.56	24.03	-37.94	-1,709.04	-118.34	512.63	465.68	46.96	10.917	
8,500.00	7,237.11	7,150.00	6,920.07	26.63	23.94	-34.94	-1,702.47	-133.84	584.44	536.84	47.60	12.278	
8,600.00	7,236.98	7,123.90	6,897.94	27.75	23.87	-32.46	-1,696.60	-146.37	661.48	613.38	48.10	13.751	
8,700.00	7,236.85	7,100.00	6,877.26	28.93	23.80	-30.31	-1,691.11	-157.00	742.50	694.02	48.48	15.316	
8,800.00	7,236.72	7,081.96	6,861.40	30.15	23.74	-28.76	-1,686.91	-164.50	826.58	777.78	48.80	16.937	
8,900.00	7,236.60	7,064.81	6,846.13	31.42	23.69	-27.35	-1,682.86	-171.19	913.06	864.02	49.04	18.618	
9,000.00	7,236.47	7,050.00	6,832.82	32.71	23.64	-26.18	-1,679.32	-176.62	1,001.46	952.22	49.24	20.340	
9,100.00	7,236.34	7,036.18	6,820.28	34.04	23.60	-25.13	-1,676.00	-181.40	1,091.38	1,042.00	49.39	22.099	
9,200.00	7,236.21	7,024.12	6,809.27	35.40	23.56	-24.24	-1,673.08	-185.34	1,182.57	1,133.06	49.51	23.886	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-56.68	99.09	-150.73	180.38				
100.00	100.00	101.00	101.00	3.28	3.28	-56.68	99.09	-150.73	180.38	172.85	7.53	23.958	
200.00	200.00	201.03	201.03	3.31	3.31	-56.68	99.09	-150.73	180.38	172.81	7.57	23.815	
201.04	201.04	202.10	202.10	3.31	3.31	152.97	99.09	-150.73	180.38	172.81	7.57	23.813	CC, ES
300.00	299.98	303.88	303.85	3.35	3.35	152.69	97.22	-150.96	181.13	173.48	7.65	23.665	
400.00	399.84	406.35	406.17	3.41	3.41	151.88	91.74	-151.64	183.43	175.67	7.77	23.609	SF
500.00	499.45	506.21	505.80	3.49	3.49	151.20	84.96	-152.49	188.23	180.30	7.94	23.720	
600.00	598.70	605.89	605.25	3.60	3.59	151.03	78.20	-153.33	196.09	187.94	8.15	24.059	
700.00	697.47	705.28	704.41	3.76	3.72	151.30	71.46	-154.17	207.00	198.58	8.41	24.603	
800.00	795.62	804.26	803.15	3.96	3.87	151.94	64.74	-155.01	220.97	212.24	8.72	25.331	
900.00	893.06	902.69	901.36	4.21	4.03	152.85	58.06	-155.84	238.03	228.96	9.08	26.225	
1,000.00	989.96	1,000.72	999.16	4.50	4.20	153.98	51.41	-156.67	257.17	247.71	9.47	27.170	
1,100.00	1,086.85	1,101.26	1,096.95	4.83	4.39	154.98	44.76	-157.49	276.43	266.55	9.88	27.971	
1,200.00	1,183.75	1,203.23	1,194.74	5.19	4.60	155.85	38.11	-158.32	295.77	285.44	10.33	28.631	
1,300.00	1,280.64	1,294.79	1,292.53	5.56	4.79	156.61	31.46	-159.15	315.16	304.38	10.78	29.238	
1,400.00	1,377.53	1,407.19	1,390.32	5.95	5.04	157.28	24.82	-159.98	334.59	323.30	11.29	29.632	
1,500.00	1,474.42	1,509.17	1,488.11	6.36	5.27	157.88	18.17	-160.81	354.07	342.27	11.80	30.007	
1,600.00	1,571.32	1,588.85	1,585.91	6.78	5.46	158.42	11.52	-161.64	373.58	361.31	12.27	30.446	
1,700.00	1,668.21	1,686.87	1,683.70	7.20	5.70	158.90	4.87	-162.46	393.12	380.33	12.80	30.725	
1,800.00	1,765.10	1,784.89	1,781.49	7.64	5.94	159.34	-1.78	-163.29	412.69	399.35	13.33	30.958	
1,900.00	1,862.00	1,882.91	1,879.28	7.88	6.08	159.74	-8.43	-164.12	432.27	419.01	13.26	32.603	
2,000.00	1,958.89	1,980.93	1,977.07	7.94	6.12	160.10	-15.08	-164.95	451.87	438.56	13.31	33.943	
2,100.00	2,055.78	2,078.96	2,074.87	8.02	6.15	160.43	-21.73	-165.78	471.49	458.11	13.38	35.244	
2,200.00	2,152.67	2,176.98	2,172.66	8.13	6.19	160.74	-28.38	-166.61	491.13	477.65	13.47	36.448	
2,300.00	2,249.57	2,275.00	2,270.45	8.25	6.25	161.03	-35.03	-167.43	510.77	497.17	13.60	37.551	
2,400.00	2,346.46	2,373.02	2,368.24	8.39	6.31	161.29	-41.68	-168.26	530.43	516.67	13.76	38.551	
2,500.00	2,443.35	2,471.04	2,466.03	8.55	6.39	161.53	-48.33	-169.09	550.10	536.15	13.94	39.448	
2,600.00	2,540.25	2,569.06	2,563.82	8.72	6.48	161.76	-54.98	-169.92	569.77	555.61	14.16	40.244	
2,700.00	2,637.14	2,667.08	2,661.62	8.91	6.59	161.97	-61.63	-170.75	589.46	575.06	14.40	40.943	
2,800.00	2,734.03	2,765.10	2,759.41	9.12	6.70	162.17	-68.28	-171.58	609.15	594.49	14.66	41.550	
2,900.00	2,830.93	2,863.12	2,857.20	9.34	6.82	162.35	-74.93	-172.40	628.85	613.90	14.95	42.070	
3,000.00	2,927.82	2,961.15	2,954.99	9.57	6.96	162.53	-81.58	-173.23	648.55	633.29	15.26	42.510	
3,100.00	3,024.71	3,059.17	3,052.78	9.81	7.10	162.69	-88.23	-174.06	668.26	652.67	15.59	42.877	
3,200.00	3,121.60	3,157.19	3,150.57	10.07	7.25	162.85	-94.88	-174.89	687.97	672.04	15.93	43.177	
3,300.00	3,218.50	3,255.21	3,248.37	10.33	7.41	162.99	-101.53	-175.72	707.69	691.39	16.30	43.417	
3,400.00	3,315.39	3,353.23	3,346.16	10.61	7.57	163.13	-108.18	-176.55	727.41	710.73	16.68	43.603	
3,500.00	3,412.28	3,451.25	3,443.95	10.89	7.74	163.26	-114.83	-177.37	747.14	730.06	17.08	43.741	
3,600.00	3,509.18	3,549.27	3,541.74	11.18	7.92	163.39	-121.48	-178.20	766.87	749.38	17.49	43.837	
3,700.00	3,606.07	3,647.29	3,639.53	11.48	8.11	163.50	-128.13	-179.03	786.60	768.68	17.92	43.897	
3,800.00	3,702.96	3,745.31	3,737.33	11.78	8.30	163.62	-134.78	-179.86	806.34	787.98	18.36	43.924	
3,900.00	3,799.85	3,843.34	3,835.12	12.10	8.50	163.72	-141.43	-180.69	826.08	807.27	18.81	43.924	
4,000.00	3,896.75	3,941.36	3,932.91	12.41	8.70	163.82	-148.08	-181.52	845.82	826.55	19.27	43.899	
4,100.00	3,993.64	4,039.38	4,030.70	12.74	8.90	163.92	-154.73	-182.34	865.57	845.83	19.74	43.854	
4,200.00	4,090.53	4,137.40	4,128.49	13.07	9.11	164.01	-161.38	-183.17	885.31	865.10	20.22	43.791	
4,300.00	4,187.43	4,235.42	4,226.28	13.40	9.33	164.10	-168.03	-184.00	905.06	884.36	20.70	43.713	
4,400.00	4,284.32	4,333.44	4,324.08	13.74	9.55	164.19	-174.68	-184.83	924.81	903.61	21.20	43.622	
4,500.00	4,381.21	4,431.46	4,421.87	14.08	9.77	164.27	-181.32	-185.66	944.57	922.86	21.70	43.521	
4,600.00	4,478.11	4,529.48	4,519.66	14.42	9.99	164.35	-187.97	-186.49	964.32	942.11	22.21	43.412	
4,700.00	4,575.00	4,627.50	4,617.45	14.77	10.22	164.42	-194.62	-187.31	984.08	961.35	22.73	43.295	
4,800.00	4,671.89	4,725.52	4,715.24	15.12	10.45	164.49	-201.27	-188.14	1,003.83	980.58	23.25	43.172	
4,900.00	4,768.78	4,823.55	4,813.03	15.48	10.68	164.56	-207.92	-188.97	1,023.59	999.81	23.78	43.045	
5,000.00	4,865.68	4,921.57	4,910.83	15.84	10.92	164.63	-214.57	-189.80	1,043.35	1,019.04	24.31	42.915	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - Wellbore #1 - Design #1

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

Offset Site Error: 0.00 usft

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	4,962.57	5,019.59	5,008.62	16.20	11.16	164.69	-221.22	-190.63	1,063.12	1,038.27	24.85	42.781	
5,200.00	5,059.46	5,117.61	5,106.41	16.56	11.40	164.76	-227.87	-191.46	1,082.88	1,057.49	25.39	42.646	
5,300.00	5,156.36	5,215.63	5,204.20	16.92	11.64	164.82	-234.52	-192.28	1,102.64	1,076.70	25.94	42.509	
5,400.00	5,253.25	5,313.65	5,301.99	17.29	11.89	164.87	-241.17	-193.11	1,122.41	1,095.92	26.49	42.372	
5,500.00	5,350.14	5,411.67	5,399.79	17.66	12.13	164.93	-247.82	-193.94	1,142.18	1,115.13	27.04	42.235	
5,600.00	5,447.03	5,509.69	5,497.58	18.03	12.38	164.98	-254.47	-194.77	1,161.94	1,134.34	27.60	42.098	
5,700.00	5,543.93	5,607.71	5,595.37	18.41	12.63	165.03	-261.12	-195.60	1,181.71	1,153.55	28.16	41.961	
6,700.00	6,512.86	7,861.81	7,169.10	22.21	21.48	-154.20	-363.30	746.73	1,160.11	1,121.28	38.83	29.879	
6,800.00	6,610.09	7,869.94	7,169.10	22.52	21.57	-177.89	-363.26	754.85	1,126.82	1,086.97	39.85	28.276	
6,900.00	6,707.39	7,863.01	7,169.10	22.74	21.49	148.03	-363.30	747.93	1,101.45	1,060.88	40.57	27.149	
7,000.00	6,802.45	7,840.58	7,169.09	22.92	21.25	128.34	-363.41	725.49	1,084.87	1,043.94	40.93	26.504	
7,100.00	6,892.94	7,803.19	7,169.08	23.04	20.83	117.18	-363.60	688.11	1,076.94	1,036.04	40.91	26.326	
7,154.39	6,939.43	7,776.90	7,169.07	23.09	20.56	112.66	-363.73	661.82	1,075.91	1,035.16	40.75	26.401	
7,200.00	6,976.61	7,751.78	7,169.06	23.13	20.30	109.32	-363.86	636.70	1,076.57	1,036.01	40.55	26.546	
7,300.00	7,051.42	7,687.60	7,169.04	23.17	19.65	102.88	-364.18	572.52	1,081.87	1,041.95	39.93	27.097	
7,400.00	7,115.52	7,612.23	7,169.02	23.17	18.94	97.36	-364.56	497.15	1,090.54	1,051.38	39.16	27.851	
7,500.00	7,167.33	7,529.69	7,168.72	23.13	18.24	92.82	-364.96	414.62	1,100.22	1,061.82	38.40	28.653	
7,600.00	7,205.58	7,453.24	7,161.92	23.07	17.65	89.27	-364.88	338.51	1,109.59	1,071.75	37.85	29.319	
7,700.00	7,229.32	7,379.76	7,146.84	22.98	17.17	86.40	-364.22	266.64	1,118.14	1,080.67	37.48	29.837	
7,800.00	7,237.96	7,308.62	7,124.48	22.87	16.81	84.19	-363.04	199.16	1,125.33	1,088.05	37.28	30.186	
7,900.00	7,237.88	7,241.38	7,096.56	22.79	16.57	82.74	-361.45	138.04	1,132.95	1,095.70	37.25	30.414	
8,000.00	7,237.75	7,180.78	7,066.01	22.77	16.42	81.23	-359.64	85.76	1,144.30	1,106.94	37.36	30.626	
8,100.00	7,237.62	7,126.82	7,034.75	23.00	16.31	79.69	-357.74	41.84	1,160.02	1,122.43	37.59	30.863	
8,200.00	7,237.49	7,079.13	7,004.12	23.67	16.22	78.21	-355.84	5.36	1,180.61	1,142.72	37.89	31.158	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-62.28	79.05	-150.45	169.95				
100.00	100.00	101.00	101.00	3.28	3.28	-62.28	79.05	-150.45	169.95	162.42	7.53	22.573	
200.00	200.00	201.02	201.02	3.31	3.31	-62.28	79.05	-150.45	169.95	162.38	7.57	22.438	
200.83	200.83	201.87	201.87	3.31	3.31	147.37	79.05	-150.45	169.95	162.38	7.57	22.437	CC, ES
300.00	299.98	303.28	303.26	3.35	3.35	147.10	77.20	-150.64	170.74	163.09	7.65	22.308	
400.00	399.84	405.46	405.28	3.41	3.41	146.35	71.72	-151.19	173.16	165.39	7.77	22.288	SF
500.00	499.45	506.33	505.80	3.49	3.49	145.31	63.27	-152.04	177.43	169.49	7.94	22.355	
600.00	598.70	606.07	605.15	3.60	3.60	144.81	54.53	-152.92	184.46	176.30	8.16	22.615	
700.00	697.47	705.58	704.27	3.76	3.73	144.91	45.82	-153.80	194.34	185.92	8.43	23.059	
800.00	795.62	804.72	803.03	3.96	3.88	145.52	37.14	-154.67	207.08	198.33	8.75	23.669	
900.00	893.06	903.39	901.31	4.21	4.05	146.51	28.49	-155.54	222.73	213.61	9.12	24.428	
1,000.00	989.96	1,001.69	999.23	4.50	4.24	147.79	19.88	-156.41	240.34	230.82	9.52	25.234	
1,100.00	1,086.85	1,100.02	1,097.14	4.83	4.44	148.92	11.28	-157.27	258.10	248.14	9.96	25.919	
1,200.00	1,183.75	1,201.73	1,195.05	5.19	4.65	149.91	2.67	-158.14	275.93	265.51	10.43	26.467	
1,300.00	1,280.64	1,303.44	1,292.96	5.56	4.88	150.78	-5.94	-159.01	293.84	282.93	10.92	26.915	
1,400.00	1,377.53	1,405.14	1,390.87	5.95	5.12	151.55	-14.55	-159.88	311.81	300.38	11.43	27.281	
1,500.00	1,474.42	1,493.15	1,488.78	6.36	5.33	152.23	-23.16	-160.74	329.83	317.90	11.93	27.656	
1,600.00	1,571.32	1,608.56	1,586.69	6.78	5.62	152.84	-31.77	-161.61	347.88	335.38	12.50	27.825	
1,700.00	1,668.21	1,689.73	1,684.60	7.20	5.82	153.40	-40.38	-162.48	365.97	352.97	13.01	28.135	
1,800.00	1,765.10	1,788.02	1,782.51	7.64	6.08	153.90	-48.98	-163.34	384.09	370.53	13.57	28.314	
1,900.00	1,862.00	1,886.31	1,880.42	7.88	6.23	154.35	-57.59	-164.21	402.24	388.74	13.50	29.794	
2,000.00	1,958.89	1,984.60	1,978.33	7.94	6.26	154.77	-66.20	-165.08	420.41	406.86	13.55	31.016	
2,100.00	2,055.78	2,082.90	2,076.24	8.02	6.30	155.15	-74.81	-165.94	438.60	424.98	13.62	32.193	
2,200.00	2,152.67	2,181.19	2,174.15	8.13	6.34	155.50	-83.42	-166.81	456.81	443.08	13.73	33.281	
2,300.00	2,249.57	2,279.48	2,272.06	8.25	6.40	155.83	-92.03	-167.68	475.03	461.17	13.86	34.277	
2,400.00	2,346.46	2,377.77	2,369.97	8.39	6.48	156.13	-100.64	-168.54	493.26	479.24	14.02	35.178	
2,500.00	2,443.35	2,476.06	2,467.88	8.55	6.56	156.41	-109.24	-169.41	511.51	497.30	14.21	35.985	
2,600.00	2,540.25	2,574.35	2,565.79	8.72	6.66	156.67	-117.85	-170.28	529.77	515.34	14.43	36.701	
2,700.00	2,637.14	2,672.65	2,663.70	8.91	6.77	156.91	-126.46	-171.14	548.04	533.36	14.68	37.328	
2,800.00	2,734.03	2,770.94	2,761.61	9.12	6.89	157.14	-135.07	-172.01	566.32	551.36	14.95	37.871	
2,900.00	2,830.93	2,869.23	2,859.52	9.34	7.02	157.35	-143.68	-172.88	584.60	569.35	15.25	38.336	
3,000.00	2,927.82	2,967.52	2,957.43	9.57	7.16	157.55	-152.29	-173.75	602.90	587.33	15.57	38.729	
3,100.00	3,024.71	3,065.81	3,055.34	9.81	7.31	157.74	-160.90	-174.61	621.20	605.29	15.91	39.056	
3,200.00	3,121.60	3,164.10	3,153.25	10.07	7.46	157.92	-169.50	-175.48	639.50	623.24	16.26	39.322	
3,300.00	3,218.50	3,262.39	3,251.16	10.33	7.63	158.08	-178.11	-176.35	657.81	641.17	16.64	39.534	
3,400.00	3,315.39	3,360.69	3,349.07	10.61	7.80	158.24	-186.72	-177.21	676.13	659.10	17.03	39.698	
3,500.00	3,412.28	3,458.98	3,446.98	10.89	7.99	158.39	-195.33	-178.08	694.45	677.01	17.44	39.820	
3,600.00	3,509.18	3,557.27	3,544.89	11.18	8.17	158.54	-203.94	-178.95	712.77	694.91	17.86	39.903	
3,700.00	3,606.07	3,655.56	3,642.80	11.48	8.37	158.67	-212.55	-179.81	731.10	712.81	18.30	39.954	
3,800.00	3,702.96	3,753.85	3,740.71	11.78	8.57	158.80	-221.16	-180.68	749.44	730.69	18.75	39.976	
3,900.00	3,799.85	3,852.14	3,838.62	12.10	8.77	158.92	-229.76	-181.55	767.77	748.57	19.21	39.973	
4,000.00	3,896.75	3,950.43	3,936.53	12.41	8.98	159.04	-238.37	-182.41	786.11	766.44	19.68	39.948	
4,100.00	3,993.64	4,048.73	4,034.44	12.74	9.19	159.15	-246.98	-183.28	804.46	784.30	20.16	39.905	
4,200.00	4,090.53	4,147.02	4,132.35	13.07	9.41	159.26	-255.59	-184.15	822.80	802.15	20.65	39.847	
4,300.00	4,187.43	4,245.31	4,230.26	13.40	9.64	159.36	-264.20	-185.01	841.15	820.00	21.15	39.775	
4,400.00	4,284.32	4,343.60	4,328.17	13.74	9.86	159.46	-272.81	-185.88	859.50	837.85	21.65	39.692	
4,500.00	4,381.21	4,441.89	4,426.08	14.08	10.09	159.55	-281.42	-186.75	877.86	855.69	22.17	39.600	
4,600.00	4,478.11	4,540.18	4,523.99	14.42	10.33	159.64	-290.02	-187.62	896.21	873.52	22.69	39.500	
4,700.00	4,575.00	4,638.48	4,621.90	14.77	10.56	159.72	-298.63	-188.48	914.57	891.35	23.22	39.394	
4,800.00	4,671.89	4,736.77	4,719.81	15.12	10.80	159.81	-307.24	-189.35	932.93	909.18	23.75	39.282	
4,900.00	4,768.78	4,835.06	4,817.72	15.48	11.04	159.89	-315.85	-190.22	951.29	927.00	24.29	39.167	
5,000.00	4,865.68	4,933.35	4,915.63	15.84	11.29	159.96	-324.46	-191.08	969.65	944.82	24.83	39.049	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	4,962.57	5,031.64	5,013.54	16.20	11.54	160.04	-333.07	-191.95	988.02	962.64	25.38	38.928	
5,200.00	5,059.46	5,129.93	5,111.45	16.56	11.79	160.11	-341.68	-192.82	1,006.38	980.45	25.93	38.805	
5,300.00	5,156.36	5,228.22	5,209.36	16.92	12.04	160.18	-350.28	-193.68	1,024.75	998.26	26.49	38.682	
5,400.00	5,253.25	5,326.52	5,307.27	17.29	12.29	160.24	-358.89	-194.55	1,043.12	1,016.07	27.05	38.558	
5,500.00	5,350.14	5,424.81	5,405.18	17.66	12.54	160.31	-367.50	-195.42	1,061.49	1,033.87	27.62	38.434	
5,600.00	5,447.03	5,523.10	5,503.09	18.03	12.80	160.37	-376.11	-196.28	1,079.86	1,051.67	28.19	38.310	
5,700.00	5,543.93	5,621.39	5,601.00	18.41	13.06	160.43	-384.72	-197.15	1,098.23	1,069.47	28.76	38.187	
5,800.00	5,640.82	5,719.68	5,698.91	18.78	13.32	160.48	-393.33	-198.02	1,116.61	1,087.27	29.33	38.064	
5,900.00	5,737.71	5,817.97	5,796.82	19.16	13.58	160.54	-401.94	-198.89	1,134.98	1,105.07	29.91	37.943	
6,000.00	5,834.61	5,916.26	5,894.73	19.53	13.84	160.59	-410.54	-199.75	1,153.36	1,122.86	30.49	37.822	
6,100.00	5,931.50	6,014.56	5,992.64	19.91	14.11	160.65	-419.15	-200.62	1,171.73	1,140.65	31.08	37.704	
6,200.00	6,028.39	6,112.85	6,090.55	20.29	14.37	160.70	-427.76	-201.49	1,190.11	1,158.45	31.66	37.586	
6,500.00	6,319.07	7,931.35	7,234.54	21.44	21.87	-156.13	-542.70	736.92	1,173.24	1,137.60	35.64	32.917	
6,600.00	6,415.96	7,944.09	7,234.56	21.83	22.01	-155.34	-542.89	749.65	1,113.77	1,076.91	36.85	30.221	
6,700.00	6,512.86	7,956.82	7,234.58	22.21	22.15	-154.56	-543.09	762.38	1,060.26	1,022.13	38.12	27.810	
6,800.00	6,610.09	7,965.52	7,234.60	22.52	22.24	-177.01	-543.22	771.08	1,013.54	974.18	39.35	25.754	
6,900.00	6,707.39	7,959.17	7,234.59	22.74	22.17	150.29	-543.12	764.73	974.91	934.57	40.35	24.164	
7,000.00	6,802.45	7,937.30	7,234.55	22.92	21.93	131.63	-542.79	742.87	946.02	905.01	41.01	23.069	
7,100.00	6,892.94	7,900.46	7,234.49	23.04	21.53	121.16	-542.23	706.03	927.44	886.17	41.27	22.473	
7,200.00	6,976.61	7,849.54	7,234.40	23.13	21.00	113.69	-541.45	655.12	918.52	877.38	41.14	22.325	
7,262.86	7,024.79	7,810.89	7,234.33	23.15	20.60	109.63	-540.86	616.47	917.13	876.26	40.88	22.436	
7,300.00	7,051.42	7,785.81	7,234.29	23.17	20.36	107.36	-540.47	591.40	917.56	876.89	40.67	22.560	
7,400.00	7,115.52	7,710.83	7,234.16	23.17	19.66	101.73	-539.33	516.43	922.13	882.14	39.99	23.061	
7,500.00	7,167.33	7,626.45	7,234.01	23.13	18.94	96.90	-538.04	432.06	929.56	890.33	39.23	23.692	
7,600.00	7,205.58	7,542.20	7,228.76	23.07	18.32	92.98	-536.31	348.05	937.72	899.09	38.62	24.279	
7,700.00	7,229.32	7,462.02	7,213.56	22.98	17.84	89.72	-533.78	269.41	945.84	907.64	38.20	24.761	
7,800.00	7,237.96	7,384.99	7,189.79	22.87	17.51	87.08	-530.58	196.26	953.39	915.43	37.96	25.113	
7,900.00	7,237.88	7,312.70	7,159.63	22.79	17.29	85.24	-526.93	130.71	961.87	923.97	37.90	25.379	
8,000.00	7,237.75	7,250.00	7,127.61	22.77	17.14	83.36	-523.30	76.95	974.34	936.35	37.99	25.649	
8,100.00	7,237.62	7,191.35	7,093.03	23.00	17.02	81.37	-519.54	29.76	991.65	953.49	38.16	25.988	
8,200.00	7,237.49	7,141.67	7,060.45	23.67	16.91	79.52	-516.10	-7.57	1,014.46	976.04	38.42	26.404	
8,300.00	7,237.36	7,100.00	7,030.95	24.57	16.83	77.87	-513.06	-36.84	1,043.13	1,004.38	38.75	26.921	
8,400.00	7,237.24	7,060.63	7,001.39	25.56	16.75	76.25	-510.07	-62.65	1,077.79	1,038.70	39.08	27.578	
8,500.00	7,237.11	7,027.67	6,975.44	26.63	16.68	74.85	-507.48	-82.82	1,118.32	1,078.88	39.45	28.350	
8,600.00	7,236.98	7,000.00	6,952.89	27.75	16.62	73.66	-505.25	-98.68	1,164.48	1,124.68	39.80	29.261	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.34	139.89	-0.84	139.89				
100.00	100.00	100.00	100.00	3.28	3.28	-0.34	139.89	-0.84	139.89	132.36	7.53	18.581	
200.00	200.00	200.00	200.00	3.31	3.31	-0.34	139.89	-0.84	139.89	132.32	7.57	18.470	CC, ES
300.00	299.98	301.56	301.54	3.35	3.35	-150.34	139.33	0.87	140.85	133.20	7.66	18.398	SF
400.00	399.84	403.02	402.85	3.41	3.41	-149.32	137.64	6.00	143.76	135.99	7.78	18.488	
500.00	499.45	504.29	503.71	3.49	3.50	-147.70	134.85	14.50	148.70	140.75	7.95	18.711	
600.00	598.70	604.75	603.44	3.60	3.62	-145.72	131.05	26.03	155.84	147.66	8.18	19.061	
700.00	697.47	704.19	702.06	3.76	3.77	-144.37	127.10	38.07	165.81	157.35	8.46	19.598	
800.00	795.62	803.35	800.42	3.96	3.94	-143.80	123.15	50.07	178.65	169.85	8.80	20.303	
900.00	893.06	902.11	898.37	4.21	4.13	-143.87	119.22	62.03	194.27	185.09	9.19	21.144	
1,000.00	989.96	1,000.55	996.02	4.50	4.34	-144.42	115.30	73.94	211.71	202.10	9.62	22.010	
1,100.00	1,086.85	1,101.01	1,093.66	4.83	4.56	-144.91	111.39	85.86	229.21	219.12	10.08	22.728	
1,200.00	1,183.75	1,202.57	1,191.29	5.19	4.81	-145.34	107.47	97.77	246.72	236.13	10.58	23.309	
1,300.00	1,280.64	1,304.13	1,288.93	5.56	5.06	-145.71	103.55	109.69	264.24	253.13	11.11	23.782	
1,400.00	1,377.53	1,405.69	1,386.57	5.95	5.33	-146.04	99.63	121.60	281.77	270.11	11.66	24.166	
1,500.00	1,474.42	1,507.25	1,484.20	6.36	5.60	-146.33	95.72	133.52	299.31	287.08	12.23	24.478	
1,600.00	1,571.32	1,608.81	1,581.84	6.78	5.89	-146.58	91.80	145.43	316.85	304.04	12.81	24.730	
1,700.00	1,668.21	1,689.63	1,679.48	7.20	6.12	-146.81	87.88	157.34	334.40	321.05	13.35	25.044	
1,800.00	1,765.10	1,788.07	1,777.12	7.64	6.40	-147.02	83.96	169.26	351.96	338.00	13.95	25.224	
1,900.00	1,862.00	1,886.51	1,874.75	7.88	6.57	-147.20	80.05	181.17	369.52	355.60	13.92	26.547	
2,000.00	1,958.89	1,984.95	1,972.39	7.94	6.61	-147.37	76.13	193.09	387.08	373.09	13.99	27.663	
2,100.00	2,055.78	2,083.39	2,070.03	8.02	6.66	-147.53	72.21	205.00	404.64	390.56	14.08	28.739	
2,200.00	2,152.67	2,181.83	2,167.67	8.13	6.71	-147.67	68.30	216.92	422.21	408.01	14.20	29.735	
2,300.00	2,249.57	2,280.27	2,265.30	8.25	6.78	-147.80	64.38	228.83	439.78	425.43	14.35	30.648	
2,400.00	2,346.46	2,378.71	2,362.94	8.39	6.86	-147.92	60.46	240.75	457.35	442.82	14.53	31.476	
2,500.00	2,443.35	2,477.15	2,460.58	8.55	6.96	-148.03	56.54	252.66	474.93	460.19	14.74	32.221	
2,600.00	2,540.25	2,575.59	2,558.22	8.72	7.06	-148.13	52.63	264.58	492.50	477.52	14.98	32.885	
2,700.00	2,637.14	2,674.03	2,655.85	8.91	7.18	-148.23	48.71	276.49	510.08	494.84	15.24	33.470	
2,800.00	2,734.03	2,772.47	2,753.49	9.12	7.31	-148.32	44.79	288.41	527.66	512.13	15.53	33.980	
2,900.00	2,830.93	2,870.91	2,851.13	9.34	7.46	-148.40	40.87	300.32	545.24	529.40	15.84	34.422	
3,000.00	2,927.82	2,969.35	2,948.77	9.57	7.61	-148.48	36.96	312.24	562.82	546.64	16.17	34.799	
3,100.00	3,024.71	3,067.79	3,046.40	9.81	7.77	-148.56	33.04	324.15	580.40	563.87	16.53	35.117	
3,200.00	3,121.60	3,166.23	3,144.04	10.07	7.94	-148.63	29.12	336.07	597.98	581.08	16.90	35.381	
3,300.00	3,218.50	3,264.67	3,241.68	10.33	8.12	-148.69	25.20	347.98	615.56	598.27	17.29	35.597	
3,400.00	3,315.39	3,363.11	3,339.31	10.61	8.30	-148.75	21.29	359.90	633.15	615.45	17.70	35.770	
3,500.00	3,412.28	3,461.55	3,436.95	10.89	8.49	-148.81	17.37	371.81	650.73	632.61	18.12	35.904	
3,600.00	3,509.18	3,559.99	3,534.59	11.18	8.69	-148.87	13.45	383.73	668.32	649.75	18.56	36.004	
3,700.00	3,606.07	3,658.42	3,632.23	11.48	8.90	-148.92	9.53	395.64	685.90	666.89	19.01	36.074	
3,800.00	3,702.96	3,756.86	3,729.86	11.78	9.11	-148.97	5.62	407.56	703.49	684.01	19.48	36.118	
3,900.00	3,799.85	3,855.30	3,827.50	12.10	9.33	-149.02	1.70	419.47	721.08	701.12	19.95	36.139	
4,000.00	3,896.75	3,953.74	3,925.14	12.41	9.55	-149.06	-2.22	431.39	738.66	718.22	20.44	36.140	
4,100.00	3,993.64	4,052.18	4,022.78	12.74	9.78	-149.11	-6.14	443.30	756.25	735.32	20.94	36.124	
4,200.00	4,090.53	4,150.62	4,120.41	13.07	10.01	-149.15	-10.05	455.22	773.84	752.40	21.44	36.093	
4,300.00	4,187.43	4,249.06	4,218.05	13.40	10.25	-149.19	-13.97	467.13	791.43	769.47	21.95	36.049	
4,400.00	4,284.32	4,347.50	4,315.69	13.74	10.49	-149.23	-17.89	479.04	809.02	786.54	22.48	35.995	
4,500.00	4,381.21	4,445.94	4,413.33	14.08	10.73	-149.26	-21.80	490.96	826.60	803.60	23.01	35.931	
4,600.00	4,478.11	4,544.38	4,510.96	14.42	10.98	-149.30	-25.72	502.87	844.19	820.65	23.54	35.860	
4,700.00	4,575.00	4,642.82	4,608.60	14.77	11.23	-149.33	-29.64	514.79	861.78	837.70	24.08	35.782	
4,800.00	4,671.89	4,741.26	4,706.24	15.12	11.48	-149.36	-33.56	526.70	879.37	854.74	24.63	35.699	
4,900.00	4,768.78	4,839.70	4,803.88	15.48	11.74	-149.39	-37.47	538.62	896.96	871.78	25.19	35.612	
5,000.00	4,865.68	4,938.14	4,901.51	15.84	12.00	-149.42	-41.39	550.53	914.55	888.81	25.75	35.522	
5,100.00	4,962.57	5,036.58	4,999.15	16.20	12.26	-149.45	-45.31	562.45	932.15	905.83	26.31	35.428	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
5,200.00	5,059.46	5,135.02	5,096.79	16.56	12.52	-149.48	-49.23	574.36	949.74	922.86	26.88	35.333	
5,300.00	5,156.36	5,233.46	5,194.42	16.92	12.79	-149.51	-53.14	586.28	967.33	939.87	27.45	35.236	
5,400.00	5,253.25	5,331.90	5,292.06	17.29	13.05	-149.53	-57.06	598.19	984.92	956.89	28.03	35.137	
5,500.00	5,350.14	5,430.34	5,389.70	17.66	13.32	-149.56	-60.98	610.11	1,002.51	973.90	28.61	35.039	
5,600.00	5,447.03	5,528.78	5,487.34	18.03	13.59	-149.58	-64.90	622.02	1,020.10	990.91	29.20	34.939	
5,700.00	5,543.93	5,627.22	5,584.97	18.41	13.87	-149.60	-68.81	633.94	1,037.69	1,007.91	29.78	34.840	
5,800.00	5,640.82	5,725.66	5,682.61	18.78	14.14	-149.62	-72.73	645.85	1,055.29	1,024.91	30.38	34.741	
5,900.00	5,737.71	5,824.10	5,780.25	19.16	14.42	-149.65	-76.65	657.77	1,072.88	1,041.91	30.97	34.643	
6,000.00	5,834.61	5,922.54	5,877.89	19.53	14.69	-149.67	-80.57	669.68	1,090.47	1,058.90	31.57	34.545	
6,100.00	5,931.50	6,020.98	5,975.52	19.91	14.97	-149.69	-84.48	681.60	1,108.06	1,075.90	32.17	34.448	
6,200.00	6,028.39	6,119.42	6,073.16	20.29	15.25	-149.71	-88.40	693.51	1,125.66	1,092.89	32.77	34.352	
6,300.00	6,125.29	6,217.86	6,170.80	20.68	15.53	-149.72	-92.32	705.43	1,143.25	1,109.87	33.37	34.256	
6,400.00	6,222.18	6,316.30	6,268.44	21.06	15.82	-149.74	-96.24	717.34	1,160.84	1,126.86	33.98	34.162	
6,500.00	6,319.07	6,414.74	6,366.07	21.44	16.10	-149.76	-100.15	729.26	1,178.43	1,143.84	34.59	34.070	
6,600.00	6,415.96	6,513.17	6,463.71	21.83	16.38	-149.78	-104.07	741.17	1,196.03	1,160.83	35.20	33.978	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.40	119.86	-0.84	119.86				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	119.86	-0.84	119.86	112.33	7.53	15.920	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	119.86	-0.84	119.86	112.29	7.57	15.825	CC, ES
300.00	299.98	301.46	301.44	3.35	3.35	-150.35	119.24	0.85	120.77	113.11	7.66	15.775	SF
400.00	399.84	402.84	402.67	3.41	3.41	-149.20	117.40	5.91	123.52	115.75	7.78	15.887	
500.00	499.45	504.03	503.46	3.49	3.50	-147.38	114.34	14.31	128.21	120.27	7.95	16.136	
600.00	598.70	604.77	603.43	3.60	3.62	-145.07	110.11	25.95	134.97	126.79	8.17	16.512	
700.00	697.47	704.24	701.98	3.76	3.77	-143.31	105.49	38.64	144.40	135.94	8.46	17.064	
800.00	795.62	803.46	800.28	3.96	3.95	-142.50	100.88	51.29	156.68	147.88	8.81	17.793	
900.00	893.06	902.32	898.22	4.21	4.14	-142.48	96.29	63.90	171.72	162.52	9.20	18.662	
1,000.00	989.96	1,000.88	995.87	4.50	4.35	-143.00	91.72	76.47	188.53	178.89	9.64	19.557	
1,100.00	1,086.85	1,100.57	1,093.52	4.83	4.59	-143.48	87.15	89.04	205.40	195.28	10.11	20.309	
1,200.00	1,183.75	1,202.01	1,191.16	5.19	4.84	-143.88	82.57	101.61	222.27	211.65	10.62	20.924	
1,300.00	1,280.64	1,303.46	1,288.80	5.56	5.10	-144.22	78.00	114.18	239.16	228.00	11.16	21.431	
1,400.00	1,377.53	1,404.90	1,386.45	5.95	5.37	-144.52	73.42	126.75	256.05	244.33	11.72	21.849	
1,500.00	1,474.42	1,506.35	1,484.09	6.36	5.66	-144.78	68.85	139.31	272.95	260.65	12.30	22.193	
1,600.00	1,571.32	1,607.79	1,581.73	6.78	5.95	-145.02	64.27	151.88	289.85	276.96	12.89	22.478	
1,700.00	1,668.21	1,709.24	1,679.37	7.20	6.24	-145.22	59.70	164.45	306.76	293.25	13.51	22.714	
1,800.00	1,765.10	1,789.32	1,777.02	7.64	6.48	-145.41	55.12	177.02	323.67	309.60	14.07	23.012	
1,900.00	1,862.00	1,887.87	1,874.66	7.88	6.65	-145.57	50.55	189.59	340.58	326.55	14.04	24.263	
2,000.00	1,958.89	1,986.43	1,972.30	7.94	6.70	-145.72	45.97	202.16	357.50	343.39	14.11	25.333	
2,100.00	2,055.78	2,084.98	2,069.95	8.02	6.74	-145.86	41.40	214.73	374.42	360.21	14.20	26.362	
2,200.00	2,152.67	2,183.54	2,167.59	8.13	6.80	-145.99	36.82	227.30	391.34	377.01	14.33	27.316	
2,300.00	2,249.57	2,282.09	2,265.23	8.25	6.87	-146.10	32.25	239.86	408.26	393.78	14.48	28.192	
2,400.00	2,346.46	2,380.64	2,362.87	8.39	6.96	-146.21	27.67	252.43	425.18	410.52	14.67	28.990	
2,500.00	2,443.35	2,479.20	2,460.52	8.55	7.06	-146.30	23.10	265.00	442.11	427.23	14.88	29.709	
2,600.00	2,540.25	2,577.75	2,558.16	8.72	7.17	-146.40	18.53	277.57	459.03	443.91	15.12	30.352	
2,700.00	2,637.14	2,676.31	2,655.80	8.91	7.29	-146.48	13.95	290.14	475.96	460.57	15.39	30.922	
2,800.00	2,734.03	2,774.86	2,753.44	9.12	7.43	-146.56	9.38	302.71	492.89	477.20	15.69	31.422	
2,900.00	2,830.93	2,873.42	2,851.09	9.34	7.57	-146.63	4.80	315.28	509.82	493.81	16.00	31.856	
3,000.00	2,927.82	2,971.97	2,948.73	9.57	7.73	-146.70	0.23	327.85	526.75	510.40	16.34	32.230	
3,100.00	3,024.71	3,070.53	3,046.37	9.81	7.89	-146.76	-4.35	340.42	543.68	526.97	16.70	32.548	
3,200.00	3,121.60	3,169.08	3,144.02	10.07	8.07	-146.82	-8.92	352.98	560.61	543.52	17.08	32.816	
3,300.00	3,218.50	3,267.64	3,241.66	10.33	8.25	-146.88	-13.50	365.55	577.54	560.06	17.48	33.038	
3,400.00	3,315.39	3,366.19	3,339.30	10.61	8.44	-146.93	-18.07	378.12	594.47	576.58	17.90	33.219	
3,500.00	3,412.28	3,464.75	3,436.94	10.89	8.64	-146.98	-22.65	390.69	611.40	593.08	18.33	33.363	
3,600.00	3,509.18	3,563.30	3,534.59	11.18	8.84	-147.03	-27.22	403.26	628.34	609.57	18.77	33.475	
3,700.00	3,606.07	3,661.86	3,632.23	11.48	9.05	-147.08	-31.80	415.83	645.27	626.04	19.23	33.558	
3,800.00	3,702.96	3,760.41	3,729.87	11.78	9.27	-147.12	-36.37	428.40	662.20	642.50	19.70	33.616	
3,900.00	3,799.85	3,858.96	3,827.52	12.10	9.49	-147.16	-40.95	440.97	679.14	658.96	20.18	33.652	
4,000.00	3,896.75	3,957.52	3,925.16	12.41	9.72	-147.20	-45.52	453.53	696.07	675.40	20.67	33.669	
4,100.00	3,993.64	4,056.07	4,022.80	12.74	9.95	-147.24	-50.09	466.10	713.01	691.83	21.18	33.669	
4,200.00	4,090.53	4,154.63	4,120.44	13.07	10.19	-147.27	-54.67	478.67	729.94	708.25	21.69	33.655	
4,300.00	4,187.43	4,253.18	4,218.09	13.40	10.43	-147.30	-59.24	491.24	746.87	724.67	22.21	33.628	
4,400.00	4,284.32	4,351.74	4,315.73	13.74	10.68	-147.34	-63.82	503.81	763.81	741.07	22.74	33.591	
4,500.00	4,381.21	4,450.29	4,413.37	14.08	10.93	-147.37	-68.39	516.38	780.75	757.47	23.27	33.545	
4,600.00	4,478.11	4,548.85	4,511.02	14.42	11.18	-147.40	-72.97	528.95	797.68	773.86	23.82	33.491	
4,700.00	4,575.00	4,647.40	4,608.66	14.77	11.43	-147.43	-77.54	541.52	814.62	790.25	24.37	33.430	
4,800.00	4,671.89	4,745.96	4,706.30	15.12	11.69	-147.45	-82.12	554.08	831.55	806.63	24.92	33.365	
4,900.00	4,768.78	4,844.51	4,803.94	15.48	11.95	-147.48	-86.69	566.65	848.49	823.00	25.48	33.294	
5,000.00	4,865.68	4,943.07	4,901.59	15.84	12.22	-147.50	-91.27	579.22	865.43	839.37	26.05	33.220	
5,100.00	4,962.57	5,041.62	4,999.23	16.20	12.48	-147.53	-95.84	591.79	882.36	855.74	26.62	33.143	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30A-M - Wellbore #1 - Design #1

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

Offset Site Error: 0.00 usft

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	5,059.46	5,140.18	5,096.87	16.56	12.75	-147.55	-100.42	604.36	899.30	872.10	27.20	33.064	
5,300.00	5,156.36	5,238.73	5,194.52	16.92	13.02	-147.57	-104.99	616.93	916.24	888.46	27.78	32.983	
5,400.00	5,253.25	5,337.28	5,292.16	17.29	13.30	-147.59	-109.57	629.50	933.17	904.81	28.36	32.900	
5,500.00	5,350.14	5,435.84	5,389.80	17.66	13.57	-147.62	-114.14	642.07	950.11	921.16	28.95	32.817	
5,600.00	5,447.03	5,534.39	5,487.44	18.03	13.85	-147.64	-118.71	654.63	967.05	937.50	29.54	32.733	
5,700.00	5,543.93	5,632.95	5,585.09	18.41	14.13	-147.65	-123.29	667.20	983.98	953.85	30.14	32.648	
5,800.00	5,640.82	5,731.50	5,682.73	18.78	14.40	-147.67	-127.86	679.77	1,000.92	970.18	30.74	32.564	
5,900.00	5,737.71	5,830.06	5,780.37	19.16	14.69	-147.69	-132.44	692.34	1,017.86	986.52	31.34	32.480	
6,000.00	5,834.61	5,928.61	5,878.02	19.53	14.97	-147.71	-137.01	704.91	1,034.80	1,002.85	31.94	32.395	
6,100.00	5,931.50	6,027.17	5,975.66	19.91	15.25	-147.73	-141.59	717.48	1,051.73	1,019.19	32.55	32.312	
6,200.00	6,028.39	6,125.72	6,073.30	20.29	15.54	-147.74	-146.16	730.05	1,068.67	1,035.51	33.16	32.229	
6,300.00	6,125.29	6,224.28	6,170.94	20.68	15.82	-147.76	-150.74	742.62	1,085.61	1,051.84	33.77	32.147	
6,400.00	6,222.18	6,322.83	6,268.59	21.06	16.11	-147.77	-155.31	755.18	1,102.55	1,068.16	34.38	32.065	
6,500.00	6,319.07	6,423.59	6,368.54	21.44	16.37	-147.85	-159.99	766.91	1,119.45	1,084.47	34.98	32.006	
6,600.00	6,415.96	6,526.15	6,470.87	21.83	16.53	-148.59	-164.75	765.67	1,136.02	1,100.61	35.42	32.074	
6,700.00	6,512.86	6,621.94	6,565.12	22.21	16.63	-150.00	-169.09	749.67	1,152.74	1,117.01	35.73	32.265	
6,800.00	6,610.09	6,709.52	6,648.32	22.52	16.69	-179.18	-172.88	722.81	1,170.53	1,134.62	35.91	32.599	
6,900.00	6,707.39	6,793.03	6,723.51	22.74	16.71	141.52	-176.28	686.79	1,189.43	1,153.44	35.99	33.045	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.40	159.93	-1.11	159.93				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	159.93	-1.11	159.93	152.40	7.53	21.243	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	159.93	-1.11	159.93	152.36	7.57	21.116	CC, ES
300.00	299.98	300.25	300.23	3.35	3.35	-150.42	159.85	0.64	161.37	153.71	7.66	21.076	SF
400.00	399.84	400.34	400.17	3.41	3.41	-149.45	159.62	5.88	165.71	157.93	7.78	21.301	
500.00	499.45	500.08	499.53	3.49	3.50	-147.95	159.24	14.57	173.02	165.06	7.95	21.754	
600.00	598.70	600.62	598.12	3.60	3.62	-146.14	158.73	26.40	183.39	175.21	8.18	22.407	
700.00	697.47	701.60	696.36	3.76	3.77	-144.86	158.19	38.83	196.77	188.30	8.47	23.225	
800.00	795.62	802.94	794.23	3.96	3.94	-144.25	157.64	51.22	213.02	204.20	8.82	24.164	
900.00	893.06	904.78	891.62	4.21	4.13	-144.18	157.11	63.54	232.06	222.85	9.21	25.192	
1,000.00	989.96	1,006.99	988.63	4.50	4.35	-144.58	156.57	75.82	252.90	243.25	9.65	26.204	
1,100.00	1,086.85	1,109.21	1,085.63	4.83	4.58	-144.95	156.03	88.10	273.79	263.67	10.12	27.050	
1,200.00	1,183.75	1,188.57	1,182.64	5.19	4.76	-145.28	155.50	100.38	294.69	284.13	10.57	27.885	
1,300.00	1,280.64	1,286.35	1,279.64	5.56	5.00	-145.56	154.96	112.65	315.60	304.52	11.08	28.475	
1,400.00	1,377.53	1,384.12	1,376.64	5.95	5.26	-145.80	154.43	124.93	336.52	324.90	11.62	28.957	
1,500.00	1,474.42	1,481.90	1,473.65	6.36	5.51	-146.02	153.89	137.21	357.44	345.26	12.18	29.351	
1,600.00	1,571.32	1,579.68	1,570.65	6.78	5.78	-146.21	153.35	149.48	378.36	365.61	12.75	29.672	
1,700.00	1,668.21	1,677.46	1,667.65	7.20	6.05	-146.38	152.82	161.76	399.29	385.95	13.34	29.935	
1,800.00	1,765.10	1,775.24	1,764.66	7.64	6.33	-146.54	152.28	174.04	420.22	406.29	13.94	30.150	
1,900.00	1,862.00	1,873.02	1,861.66	7.88	6.51	-146.68	151.75	186.32	441.16	427.23	13.92	31.682	
2,000.00	1,958.89	1,970.80	1,958.66	7.94	6.57	-146.80	151.21	198.59	462.09	448.08	14.02	32.966	
2,100.00	2,055.78	2,068.58	2,055.67	8.02	6.61	-146.92	150.67	210.87	483.03	468.93	14.11	34.245	
2,200.00	2,152.67	2,166.36	2,152.67	8.13	6.66	-147.03	150.14	223.15	503.97	489.75	14.22	35.430	
2,300.00	2,249.57	2,264.13	2,249.68	8.25	6.73	-147.13	149.60	235.42	524.91	510.54	14.37	36.516	
2,400.00	2,346.46	2,361.91	2,346.68	8.39	6.81	-147.22	149.07	247.70	545.86	531.30	14.55	37.503	
2,500.00	2,443.35	2,459.69	2,443.68	8.55	6.90	-147.30	148.53	259.98	566.80	552.04	14.76	38.392	
2,600.00	2,540.25	2,557.47	2,540.69	8.72	7.00	-147.38	147.99	272.26	587.75	572.75	15.00	39.184	
2,700.00	2,637.14	2,655.25	2,637.69	8.91	7.11	-147.45	147.46	284.53	608.69	593.43	15.26	39.884	
2,800.00	2,734.03	2,753.03	2,734.69	9.12	7.24	-147.52	146.92	296.81	629.64	614.09	15.55	40.496	
2,900.00	2,830.93	2,850.81	2,831.70	9.34	7.38	-147.58	146.39	309.09	650.59	634.73	15.86	41.025	
3,000.00	2,927.82	2,948.59	2,928.70	9.57	7.52	-147.64	145.85	321.36	671.54	655.35	16.19	41.479	
3,100.00	3,024.71	3,046.36	3,025.70	9.81	7.68	-147.70	145.31	333.64	692.49	675.94	16.54	41.862	
3,200.00	3,121.60	3,144.14	3,122.71	10.07	7.84	-147.75	144.78	345.92	713.44	696.52	16.91	42.182	
3,300.00	3,218.50	3,241.92	3,219.71	10.33	8.01	-147.80	144.24	358.20	734.39	717.08	17.30	42.444	
3,400.00	3,315.39	3,339.70	3,316.71	10.61	8.19	-147.85	143.71	370.47	755.34	737.63	17.71	42.654	
3,500.00	3,412.28	3,437.48	3,413.72	10.89	8.38	-147.89	143.17	382.75	776.29	758.16	18.13	42.819	
3,600.00	3,509.18	3,535.26	3,510.72	11.18	8.57	-147.93	142.63	395.03	797.24	778.68	18.57	42.943	
3,700.00	3,606.07	3,633.04	3,607.72	11.48	8.77	-147.97	142.10	407.30	818.19	799.18	19.01	43.030	
3,800.00	3,702.96	3,730.82	3,704.73	11.78	8.98	-148.01	141.56	419.58	839.15	819.67	19.48	43.087	
3,900.00	3,799.85	3,828.60	3,801.73	12.10	9.19	-148.05	141.03	431.86	860.10	840.15	19.95	43.115	
4,000.00	3,896.75	3,926.37	3,898.74	12.41	9.41	-148.08	140.49	444.14	881.05	860.62	20.43	43.120	
4,100.00	3,993.64	4,024.15	3,995.74	12.74	9.63	-148.11	139.95	456.41	902.01	881.08	20.93	43.104	
4,200.00	4,090.53	4,121.93	4,092.74	13.07	9.86	-148.15	139.42	468.69	922.96	901.53	21.43	43.071	
4,300.00	4,187.43	4,219.71	4,189.75	13.40	10.09	-148.18	138.88	480.97	943.91	921.97	21.94	43.022	
4,400.00	4,284.32	4,317.49	4,286.75	13.74	10.32	-148.20	138.35	493.24	964.87	942.41	22.46	42.960	
4,500.00	4,381.21	4,415.27	4,383.75	14.08	10.56	-148.23	137.81	505.52	985.82	962.84	22.99	42.886	
4,600.00	4,478.11	4,513.05	4,480.76	14.42	10.80	-148.26	137.27	517.80	1,006.78	983.26	23.52	42.804	
4,700.00	4,575.00	4,610.83	4,577.76	14.77	11.04	-148.28	136.74	530.08	1,027.73	1,003.67	24.06	42.713	
4,800.00	4,671.89	4,708.60	4,674.76	15.12	11.29	-148.31	136.20	542.35	1,048.69	1,024.08	24.61	42.616	
4,900.00	4,768.78	4,806.38	4,771.77	15.48	11.54	-148.33	135.67	554.63	1,069.64	1,044.48	25.16	42.514	
5,000.00	4,865.68	4,904.16	4,868.77	15.84	11.79	-148.35	135.13	566.91	1,090.60	1,064.88	25.72	42.408	
5,100.00	4,962.57	5,001.94	4,965.77	16.20	12.05	-148.37	134.59	579.18	1,111.55	1,085.27	26.28	42.298	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
5,200.00	5,059.46	5,100.28	5,062.78	16.56	12.31	-148.39	134.06	591.46	1,132.51	1,105.66	26.85	42.183	
5,300.00	5,156.36	5,202.50	5,159.78	16.92	12.58	-148.41	133.52	603.74	1,153.47	1,126.04	27.43	42.050	
5,400.00	5,253.25	5,304.72	5,256.78	17.29	12.85	-148.43	132.99	616.01	1,174.42	1,146.40	28.02	41.917	
5,500.00	5,350.14	5,406.94	5,353.79	17.66	13.13	-148.45	132.45	628.29	1,195.38	1,166.77	28.61	41.783	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.35	179.96	-1.11	179.96				
100.00	100.00	100.00	100.00	3.28	3.28	-0.35	179.96	-1.11	179.96	172.43	7.53	23.903	
200.00	200.00	200.00	200.00	3.31	3.31	-0.35	179.96	-1.11	179.96	172.39	7.57	23.761	CC, ES
300.00	299.98	298.86	298.84	3.35	3.35	-150.42	180.27	0.56	181.79	174.14	7.66	23.743	SF
400.00	399.84	397.47	397.32	3.41	3.41	-149.61	181.21	5.57	187.30	179.52	7.78	24.074	
500.00	499.45	495.61	495.09	3.49	3.50	-148.36	182.76	13.86	196.54	188.59	7.95	24.709	
600.00	598.70	593.60	592.38	3.60	3.62	-146.83	184.89	25.25	209.53	201.35	8.18	25.608	
700.00	697.47	692.22	690.22	3.76	3.76	-145.71	187.18	37.47	225.68	217.22	8.46	26.661	
800.00	795.62	809.62	787.59	3.96	3.95	-145.16	189.45	49.63	244.70	235.87	8.83	27.703	
900.00	893.06	887.96	884.40	4.21	4.10	-145.06	191.72	61.72	266.53	257.35	9.18	29.028	
1,000.00	989.96	985.11	980.77	4.50	4.30	-145.41	193.97	73.75	290.18	280.57	9.61	30.210	
1,100.00	1,086.85	1,082.24	1,077.13	4.83	4.51	-145.75	196.22	85.78	313.87	303.81	10.06	31.210	
1,200.00	1,183.75	1,179.38	1,173.50	5.19	4.74	-146.04	198.47	97.82	337.57	327.03	10.54	32.032	
1,300.00	1,280.64	1,276.52	1,269.86	5.56	4.98	-146.29	200.72	109.85	361.27	350.23	11.05	32.705	
1,400.00	1,377.53	1,373.66	1,366.22	5.95	5.22	-146.52	202.98	121.88	384.99	373.41	11.58	33.255	
1,500.00	1,474.42	1,470.79	1,462.59	6.36	5.48	-146.71	205.23	133.91	408.70	396.58	12.13	33.704	
1,600.00	1,571.32	1,567.93	1,558.95	6.78	5.74	-146.89	207.48	145.95	432.42	419.73	12.69	34.070	
1,700.00	1,668.21	1,665.07	1,655.31	7.20	6.01	-147.05	209.73	157.98	456.15	442.88	13.27	34.369	
1,800.00	1,765.10	1,762.21	1,751.68	7.64	6.28	-147.19	211.98	170.01	479.88	466.01	13.86	34.612	
1,900.00	1,862.00	1,859.35	1,848.04	7.88	6.48	-147.31	214.24	182.05	503.61	489.74	13.87	36.318	
2,000.00	1,958.89	1,956.48	1,944.40	7.94	6.56	-147.43	216.49	194.08	527.34	513.36	13.98	37.731	
2,100.00	2,055.78	2,053.62	2,040.77	8.02	6.59	-147.54	218.74	206.11	551.07	537.01	14.06	39.190	
2,200.00	2,152.67	2,150.76	2,137.13	8.13	6.64	-147.64	220.99	218.14	574.81	560.63	14.18	40.542	
2,300.00	2,249.57	2,247.90	2,233.49	8.25	6.71	-147.72	223.24	230.18	598.54	584.22	14.33	41.782	
2,400.00	2,346.46	2,345.03	2,329.86	8.39	6.78	-147.81	225.49	242.21	622.28	607.78	14.50	42.910	
2,500.00	2,443.35	2,442.17	2,426.22	8.55	6.87	-147.88	227.75	254.24	646.02	631.31	14.71	43.927	
2,600.00	2,540.25	2,539.31	2,522.58	8.72	6.97	-147.96	230.00	266.28	669.76	654.82	14.94	44.833	
2,700.00	2,637.14	2,636.45	2,618.95	8.91	7.08	-148.02	232.25	278.31	693.50	678.31	15.20	45.634	
2,800.00	2,734.03	2,733.59	2,715.31	9.12	7.20	-148.09	234.50	290.34	717.25	701.77	15.48	46.336	
2,900.00	2,830.93	2,830.72	2,811.67	9.34	7.33	-148.14	236.75	302.38	740.99	725.20	15.78	46.943	
3,000.00	2,927.82	2,927.86	2,908.04	9.57	7.47	-148.20	239.01	314.41	764.73	748.62	16.11	47.463	
3,100.00	3,024.71	3,025.00	3,004.40	9.81	7.62	-148.25	241.26	326.44	788.48	772.02	16.46	47.904	
3,200.00	3,121.60	3,122.14	3,100.76	10.07	7.78	-148.30	243.51	338.47	812.22	795.39	16.83	48.271	
3,300.00	3,218.50	3,219.28	3,197.13	10.33	7.95	-148.34	245.76	350.51	835.97	818.76	17.21	48.572	
3,400.00	3,315.39	3,316.41	3,293.49	10.61	8.12	-148.39	248.01	362.54	859.71	842.10	17.61	48.814	
3,500.00	3,412.28	3,413.55	3,389.85	10.89	8.31	-148.43	250.27	374.57	883.46	865.43	18.03	49.004	
3,600.00	3,509.18	3,510.69	3,486.22	11.18	8.50	-148.47	252.52	386.61	907.21	888.75	18.46	49.146	
3,700.00	3,606.07	3,607.83	3,582.58	11.48	8.69	-148.50	254.77	398.64	930.95	912.05	18.90	49.248	
3,800.00	3,702.96	3,704.96	3,678.94	11.78	8.89	-148.54	257.02	410.67	954.70	935.34	19.36	49.312	
3,900.00	3,799.85	3,802.10	3,775.31	12.10	9.10	-148.57	259.27	422.71	978.45	958.62	19.83	49.346	
4,000.00	3,896.75	3,900.76	3,871.67	12.41	9.32	-148.60	261.53	434.74	1,002.20	981.88	20.31	49.343	
4,100.00	3,993.64	4,003.62	3,968.03	12.74	9.55	-148.63	263.78	446.77	1,025.94	1,005.13	20.81	49.294	
4,200.00	4,090.53	4,106.48	4,064.40	13.07	9.78	-148.66	266.03	458.80	1,049.69	1,028.37	21.32	49.224	
4,300.00	4,187.43	4,209.35	4,160.76	13.40	10.02	-148.69	268.28	470.84	1,073.44	1,051.59	21.85	49.138	
4,400.00	4,284.32	4,287.79	4,257.12	13.74	10.21	-148.71	270.53	482.87	1,097.19	1,074.87	22.32	49.165	
4,500.00	4,381.21	4,384.93	4,353.49	14.08	10.44	-148.74	272.78	494.90	1,120.94	1,098.10	22.84	49.080	
4,600.00	4,478.11	4,482.07	4,449.85	14.42	10.68	-148.76	275.04	506.94	1,144.69	1,121.32	23.37	48.984	
4,700.00	4,575.00	4,579.20	4,546.21	14.77	10.92	-148.79	277.29	518.97	1,168.44	1,144.53	23.90	48.880	
4,800.00	4,671.89	4,676.34	4,642.58	15.12	11.16	-148.81	279.54	531.00	1,192.19	1,167.74	24.45	48.768	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.40	40.07	-0.28	40.07				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	40.07	-0.28	40.07	32.54	7.53	5.322	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	40.07	-0.28	40.07	32.50	7.57	5.290	CC, ES
300.00	299.98	301.15	301.13	3.35	3.35	-150.49	38.63	0.77	40.16	32.51	7.65	5.248	
400.00	399.84	402.29	402.12	3.41	3.41	-149.73	34.30	3.93	40.43	32.67	7.76	5.209	
500.00	499.45	503.43	502.86	3.49	3.50	-148.48	27.10	9.18	40.90	32.99	7.91	5.168	
600.00	598.70	604.55	603.21	3.60	3.61	-146.78	17.03	16.52	41.59	33.47	8.12	5.124	
700.00	697.47	705.67	703.04	3.76	3.77	-144.69	4.10	25.95	42.53	34.15	8.38	5.077	
800.00	795.62	806.57	802.06	3.96	3.97	-142.31	-11.59	37.39	43.77	35.06	8.71	5.026	
900.00	893.06	906.52	899.89	4.21	4.22	-141.71	-28.10	49.43	46.94	37.82	9.12	5.146	
1,000.00	989.96	1,006.39	997.66	4.50	4.48	-142.77	-44.60	61.46	51.88	42.31	9.57	5.420	
1,100.00	1,086.85	1,106.26	1,095.42	4.83	4.78	-143.68	-61.10	73.50	56.88	46.82	10.06	5.653	
1,200.00	1,183.75	1,206.13	1,193.18	5.19	5.09	-144.45	-77.61	85.53	61.89	51.31	10.59	5.847	
1,300.00	1,280.64	1,306.00	1,290.94	5.56	5.42	-145.10	-94.11	97.56	66.91	55.78	11.14	6.009	
1,400.00	1,377.53	1,405.88	1,388.70	5.95	5.77	-145.66	-110.61	109.60	71.94	60.23	11.71	6.144	
1,500.00	1,474.42	1,505.75	1,486.46	6.36	6.13	-146.15	-127.11	121.63	76.97	64.67	12.30	6.257	
1,600.00	1,571.32	1,605.62	1,584.22	6.78	6.49	-146.57	-143.61	133.66	82.01	69.10	12.91	6.352	
1,700.00	1,668.21	1,705.49	1,681.98	7.20	6.86	-146.95	-160.11	145.70	87.05	73.52	13.53	6.433	
1,800.00	1,765.10	1,805.36	1,779.74	7.64	7.24	-147.29	-176.62	157.73	92.10	77.94	14.16	6.504	
1,900.00	1,862.00	1,905.23	1,877.50	7.88	7.44	-147.59	-193.12	169.76	97.14	83.04	14.11	6.886	
2,000.00	1,958.89	2,005.10	1,975.26	7.94	7.49	-147.86	-209.62	181.80	102.19	88.04	14.16	7.218	
2,100.00	2,055.78	2,104.97	2,073.02	8.02	7.55	-148.11	-226.12	193.83	107.25	93.00	14.25	7.528	
2,200.00	2,152.67	2,204.85	2,170.78	8.13	7.64	-148.33	-242.62	205.86	112.30	97.93	14.37	7.814	
2,300.00	2,249.57	2,304.72	2,268.54	8.25	7.74	-148.54	-259.13	217.90	117.36	102.83	14.53	8.077	
2,400.00	2,346.46	2,404.59	2,366.31	8.39	7.86	-148.72	-275.63	229.93	122.41	107.69	14.72	8.315	
2,500.00	2,443.35	2,504.46	2,464.07	8.55	8.00	-148.90	-292.13	241.96	127.47	112.53	14.95	8.529	
2,600.00	2,540.25	2,604.33	2,561.83	8.72	8.15	-149.06	-308.63	254.00	132.53	117.33	15.20	8.719	
2,700.00	2,637.14	2,704.20	2,659.59	8.91	8.32	-149.20	-325.13	266.03	137.59	122.11	15.48	8.887	
2,800.00	2,734.03	2,804.07	2,757.35	9.12	8.49	-149.34	-341.63	278.06	142.65	126.86	15.79	9.033	
2,900.00	2,830.93	2,903.94	2,855.11	9.34	8.68	-149.47	-358.14	290.10	147.71	131.59	16.13	9.159	
3,000.00	2,927.82	3,003.82	2,952.87	9.57	8.89	-149.59	-374.64	302.13	152.78	136.29	16.49	9.267	
3,100.00	3,024.71	3,103.69	3,050.63	9.81	9.10	-149.70	-391.14	314.16	157.84	140.97	16.87	9.358	
3,200.00	3,121.60	3,203.56	3,148.39	10.07	9.32	-149.81	-407.64	326.20	162.90	145.64	17.27	9.434	
3,300.00	3,218.50	3,303.43	3,246.15	10.33	9.56	-149.90	-424.14	338.23	167.97	150.28	17.69	9.496	
3,400.00	3,315.39	3,403.30	3,343.91	10.61	9.80	-150.00	-440.65	350.26	173.03	154.91	18.13	9.545	
3,500.00	3,412.28	3,503.17	3,441.67	10.89	10.05	-150.08	-457.15	362.30	178.10	159.52	18.58	9.585	
3,600.00	3,509.18	3,603.04	3,539.43	11.18	10.31	-150.17	-473.65	374.33	183.16	164.11	19.05	9.614	
3,700.00	3,606.07	3,702.91	3,637.20	11.48	10.57	-150.25	-490.15	386.36	188.23	168.69	19.54	9.635	
3,800.00	3,702.96	3,802.79	3,734.96	11.78	10.84	-150.32	-506.65	398.40	193.30	173.26	20.03	9.649	
3,900.00	3,799.85	3,902.66	3,832.72	12.10	11.12	-150.39	-523.15	410.43	198.36	177.82	20.54	9.657	
4,000.00	3,896.75	4,002.53	3,930.48	12.41	11.41	-150.46	-539.66	422.46	203.43	182.37	21.06	9.659	
4,100.00	3,993.64	4,102.40	4,028.24	12.74	11.69	-150.52	-556.16	434.50	208.50	186.90	21.59	9.656	
4,200.00	4,090.53	4,202.27	4,126.00	13.07	11.99	-150.58	-572.66	446.53	213.56	191.43	22.13	9.650	
4,300.00	4,187.43	4,302.14	4,223.76	13.40	12.28	-150.64	-589.16	458.56	218.63	195.95	22.68	9.640	
4,400.00	4,284.32	4,402.01	4,321.52	13.74	12.59	-150.69	-605.66	470.60	223.70	200.46	23.24	9.627	
4,500.00	4,381.21	4,501.88	4,419.28	14.08	12.89	-150.75	-622.17	482.63	228.77	204.97	23.80	9.611	
4,600.00	4,478.11	4,601.76	4,517.04	14.42	13.20	-150.80	-638.67	494.66	233.84	209.46	24.37	9.594	
4,700.00	4,575.00	4,701.63	4,614.80	14.77	13.51	-150.84	-655.17	506.70	238.90	213.95	24.95	9.575	
4,800.00	4,671.89	4,801.50	4,712.56	15.12	13.83	-150.89	-671.67	518.73	243.97	218.44	25.53	9.555	
4,900.00	4,768.78	4,901.37	4,810.32	15.48	14.15	-150.94	-688.17	530.76	249.04	222.92	26.12	9.533	
5,000.00	4,865.68	5,001.24	4,908.08	15.84	14.47	-150.98	-704.67	542.80	254.11	227.39	26.72	9.511	
5,100.00	4,962.57	5,101.11	5,005.85	16.20	14.79	-151.02	-721.18	554.83	259.18	231.86	27.32	9.487	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	5,059.46	5,200.98	5,103.61	16.56	15.12	-151.06	-737.68	566.86	264.25	236.33	27.92	9.463	
5,300.00	5,156.36	5,300.86	5,201.37	16.92	15.45	-151.10	-754.18	578.90	269.32	240.79	28.53	9.439	
5,400.00	5,253.25	5,400.73	5,299.13	17.29	15.78	-151.13	-770.68	590.93	274.39	245.24	29.14	9.415	
5,500.00	5,350.14	5,500.60	5,396.89	17.66	16.11	-151.17	-787.18	602.96	279.46	249.70	29.76	9.390	
5,600.00	5,447.03	5,600.47	5,494.65	18.03	16.45	-151.20	-803.69	615.00	284.53	254.15	30.38	9.365	
5,700.00	5,543.93	5,700.34	5,592.41	18.41	16.78	-151.23	-820.19	627.03	289.60	258.59	31.00	9.341	
5,800.00	5,640.82	5,800.21	5,690.17	18.78	17.12	-151.27	-836.69	639.06	294.66	263.04	31.63	9.316	
5,900.00	5,737.71	5,900.08	5,787.93	19.16	17.46	-151.30	-853.19	651.10	299.73	267.48	32.26	9.292	
6,000.00	5,834.61	6,000.05	5,885.69	19.53	17.80	-151.33	-869.69	663.13	304.80	271.91	32.89	9.267	
6,100.00	5,931.50	6,099.83	5,983.45	19.91	18.14	-151.35	-886.19	675.16	309.87	276.35	33.53	9.243	
6,200.00	6,028.39	6,200.30	6,081.21	20.29	18.49	-151.38	-902.70	687.20	314.94	280.78	34.16	9.219	
6,300.00	6,125.29	6,299.57	6,178.97	20.68	18.83	-151.41	-919.20	699.23	320.01	285.21	34.80	9.195	
6,400.00	6,222.18	6,400.56	6,276.74	21.06	19.18	-151.43	-935.70	711.26	325.08	289.64	35.45	9.171	
6,500.00	6,319.07	6,500.69	6,374.50	21.44	19.53	-151.46	-952.20	723.30	330.16	294.06	36.09	9.148	
6,600.00	6,415.96	6,600.82	6,472.26	21.83	19.88	-151.48	-968.70	735.33	335.23	298.49	36.74	9.125	
6,700.00	6,512.86	6,700.95	6,570.02	22.21	20.23	-151.51	-985.20	747.36	340.30	302.91	37.39	9.102	
6,800.00	6,610.09	6,798.76	6,667.63	22.52	20.56	-177.52	-1,001.68	759.29	345.35	307.29	38.05	9.076	
6,900.00	6,707.39	6,898.76	6,766.10	22.74	20.78	147.49	-1,018.29	761.89	350.53	311.86	38.66	9.066	
7,000.00	6,802.45	7,000.29	6,865.24	22.92	20.96	128.48	-1,035.00	748.51	355.83	316.69	39.14	9.091	
7,100.00	6,892.94	7,103.38	6,962.46	23.04	21.08	119.40	-1,051.36	718.77	361.09	321.62	39.47	9.148	
7,200.00	6,976.61	7,208.04	7,055.01	23.13	21.16	114.72	-1,066.92	672.72	366.14	326.46	39.68	9.226	
7,300.00	7,051.42	7,314.19	7,140.01	23.17	21.19	112.12	-1,081.18	610.96	370.80	330.99	39.82	9.313	
7,400.00	7,115.52	7,421.71	7,214.59	23.17	21.19	110.61	-1,093.67	534.70	374.90	334.96	39.94	9.386	
7,500.00	7,167.33	7,530.42	7,276.07	23.13	21.15	109.72	-1,103.94	445.80	378.27	338.11	40.16	9.418	
7,600.00	7,205.58	7,640.07	7,322.07	23.07	21.08	109.19	-1,111.58	346.71	380.77	340.20	40.57	9.386	
7,700.00	7,229.32	7,750.35	7,350.77	22.98	20.98	108.89	-1,116.30	240.48	382.29	341.06	41.23	9.272	
7,800.00	7,237.96	7,860.92	7,360.98	22.87	20.86	108.75	-1,117.89	130.53	382.78	340.61	42.18	9.076	
7,900.00	7,237.88	7,961.37	7,360.97	22.79	20.74	108.76	-1,117.77	30.08	382.75	339.41	43.34	8.831	
8,000.00	7,237.75	8,061.37	7,360.95	22.77	20.94	108.78	-1,117.65	-69.92	382.72	338.02	44.70	8.561	
8,100.00	7,237.62	8,161.37	7,360.92	23.00	21.75	108.80	-1,117.53	-169.92	382.69	336.44	46.25	8.275	
8,200.00	7,237.49	8,261.37	7,360.90	23.67	22.65	108.81	-1,117.42	-269.92	382.66	334.70	47.96	7.979	
8,300.00	7,237.36	8,361.37	7,360.87	24.57	23.63	108.83	-1,117.30	-369.92	382.63	332.81	49.82	7.680	
8,400.00	7,237.24	8,461.37	7,360.85	25.56	24.67	108.85	-1,117.18	-469.92	382.60	330.78	51.82	7.383	
8,500.00	7,237.11	8,561.37	7,360.82	26.63	25.78	108.87	-1,117.06	-569.92	382.57	328.64	53.93	7.093	
8,600.00	7,236.98	8,661.37	7,360.79	27.75	26.94	108.88	-1,116.94	-669.92	382.54	326.39	56.15	6.813	
8,700.00	7,236.85	8,761.37	7,360.77	28.93	28.15	108.90	-1,116.82	-769.92	382.51	324.05	58.46	6.543	
8,800.00	7,236.72	8,861.37	7,360.74	30.15	29.40	108.92	-1,116.70	-869.92	382.48	321.62	60.86	6.285	
8,900.00	7,236.60	8,961.37	7,360.72	31.42	30.69	108.94	-1,116.58	-969.92	382.45	319.13	63.32	6.040	
9,000.00	7,236.47	9,061.37	7,360.69	32.71	32.01	108.96	-1,116.46	-1,069.91	382.42	316.57	65.85	5.807	
9,100.00	7,236.34	9,161.37	7,360.67	34.04	33.37	108.97	-1,116.34	-1,169.91	382.39	313.95	68.44	5.587	
9,200.00	7,236.21	9,261.37	7,360.64	35.40	34.75	108.99	-1,116.22	-1,269.91	382.36	311.28	71.08	5.380	
9,300.00	7,236.08	9,361.37	7,360.62	36.78	36.15	109.01	-1,116.10	-1,369.91	382.33	308.57	73.76	5.184	
9,400.00	7,235.95	9,461.37	7,360.59	38.18	37.58	109.03	-1,115.98	-1,469.91	382.30	305.82	76.48	4.999	
9,437.94	7,235.90	9,499.30	7,360.58	38.72	38.12	109.03	-1,115.93	-1,507.85	382.29	304.77	77.52	4.931	
9,500.00	7,235.83	9,554.31	7,360.57	39.60	38.92	109.02	-1,115.32	-1,562.85	382.85	303.91	78.94	4.850	
9,600.00	7,235.70	9,643.00	7,360.54	41.04	40.21	108.88	-1,112.11	-1,651.48	386.13	304.92	81.21	4.755	
9,700.00	7,235.57	9,731.41	7,360.52	42.50	41.50	108.62	-1,106.18	-1,739.69	392.34	308.89	83.45	4.701	
9,800.00	7,235.44	9,826.61	7,360.50	43.97	42.90	108.24	-1,097.42	-1,834.48	400.92	314.84	86.07	4.658	
9,900.00	7,235.31	9,926.18	7,360.47	45.46	44.38	107.85	-1,088.04	-1,933.61	409.73	320.75	88.97	4.605	
10,000.00	7,235.18	10,025.75	7,360.45	46.95	45.86	107.48	-1,078.67	-2,032.74	418.56	326.65	91.90	4.554	
10,100.00	7,235.06	10,125.33	7,360.42	48.46	47.37	107.12	-1,069.29	-2,131.87	427.40	332.55	94.86	4.506	
10,200.00	7,234.93	10,224.90	7,360.39	49.98	48.88	106.78	-1,059.92	-2,231.00	436.26	338.43	97.84	4.459	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
10,300.00	7,234.80	10,324.47	7,360.37	51.51	50.40	106.45	-1,050.54	-2,330.13	445.14	344.31	100.84	4.415	
10,400.00	7,234.67	10,424.04	7,360.34	53.04	51.93	106.13	-1,041.17	-2,429.27	454.03	350.18	103.86	4.372	
10,500.00	7,234.54	10,523.62	7,360.32	54.59	53.47	105.82	-1,031.79	-2,528.40	462.94	356.04	106.89	4.331	
10,600.00	7,234.41	10,623.19	7,360.29	56.14	55.01	105.53	-1,022.42	-2,627.53	471.85	361.90	109.95	4.291	
10,700.00	7,234.29	10,722.76	7,360.27	57.69	56.57	105.25	-1,013.04	-2,726.66	480.78	367.76	113.02	4.254	
10,800.00	7,234.16	10,822.34	7,360.24	59.26	58.13	104.97	-1,003.66	-2,825.79	489.72	373.61	116.11	4.218	
10,900.00	7,234.03	10,924.61	7,360.22	60.83	59.73	104.71	-994.08	-2,927.61	498.64	379.28	119.36	4.178	
11,000.00	7,233.90	11,044.77	7,360.19	62.40	61.63	104.49	-985.95	-3,047.48	505.03	381.53	123.50	4.089	
11,100.00	7,233.77	11,165.39	7,360.15	63.98	63.55	104.42	-982.85	-3,168.05	507.37	379.89	127.48	3.980	
11,200.00	7,233.64	11,266.58	7,360.13	65.56	65.16	104.43	-982.61	-3,269.25	507.44	376.81	130.62	3.885	
11,300.00	7,233.52	11,366.58	7,360.10	67.15	66.76	104.44	-982.39	-3,369.25	507.50	373.76	133.73	3.795	
11,400.00	7,233.39	11,466.58	7,360.08	68.74	68.36	104.45	-982.17	-3,469.25	507.56	370.71	136.85	3.709	
11,500.00	7,233.26	11,566.58	7,360.05	70.34	69.97	104.46	-981.95	-3,569.25	507.62	367.65	139.97	3.627	
11,600.00	7,233.13	11,666.58	7,360.03	71.93	71.57	104.47	-981.72	-3,669.25	507.68	364.58	143.10	3.548	
11,700.00	7,233.00	11,766.58	7,360.00	73.54	73.18	104.48	-981.50	-3,769.25	507.74	361.50	146.23	3.472	
11,800.00	7,232.87	11,866.58	7,359.97	75.14	74.80	104.50	-981.28	-3,869.25	507.80	358.43	149.37	3.400	
11,900.00	7,232.75	11,966.58	7,359.95	76.75	76.41	104.51	-981.06	-3,969.25	507.86	355.34	152.51	3.330	
12,000.00	7,232.62	12,066.58	7,359.92	78.36	78.03	104.52	-980.83	-4,069.25	507.92	352.25	155.66	3.263	
12,100.00	7,232.49	12,166.58	7,359.90	79.97	79.65	104.53	-980.61	-4,169.25	507.98	349.16	158.81	3.199	
12,200.00	7,232.36	12,266.58	7,359.87	81.58	81.28	104.54	-980.39	-4,269.25	508.04	346.07	161.97	3.137	
12,300.00	7,232.23	12,366.58	7,359.85	83.20	82.90	104.55	-980.17	-4,369.25	508.10	342.97	165.13	3.077	
12,400.00	7,232.10	12,466.58	7,359.82	84.82	84.53	104.56	-979.95	-4,469.25	508.16	339.86	168.30	3.019	
12,500.00	7,231.98	12,566.58	7,359.80	86.44	86.15	104.57	-979.72	-4,569.25	508.22	336.75	171.46	2.964	
12,600.00	7,231.85	12,666.58	7,359.77	88.06	87.78	104.58	-979.50	-4,669.25	508.28	333.65	174.63	2.911	
12,700.00	7,231.72	12,766.58	7,359.74	89.69	89.42	104.59	-979.28	-4,769.25	508.34	330.53	177.81	2.859	
12,800.00	7,231.59	12,866.58	7,359.72	91.32	91.05	104.60	-979.06	-4,869.25	508.40	327.42	180.98	2.809	
12,900.00	7,231.46	12,966.58	7,359.69	92.94	92.68	104.61	-978.83	-4,969.25	508.46	324.30	184.16	2.761	
13,000.00	7,231.33	13,066.58	7,359.67	94.57	94.32	104.62	-978.61	-5,069.25	508.52	321.18	187.34	2.714	
13,100.00	7,231.21	13,166.58	7,359.64	96.20	95.95	104.63	-978.39	-5,169.25	508.58	318.05	190.52	2.669	
13,200.00	7,231.08	13,266.58	7,359.62	97.84	97.59	104.64	-978.17	-5,269.25	508.64	314.93	193.71	2.626	
13,300.00	7,230.95	13,366.58	7,359.59	99.47	99.23	104.65	-977.95	-5,369.25	508.70	311.80	196.90	2.584	
13,400.00	7,230.82	13,466.58	7,359.56	101.10	100.87	104.66	-977.72	-5,469.24	508.76	308.67	200.09	2.543	
13,500.00	7,230.69	13,566.58	7,359.54	102.74	102.51	104.67	-977.50	-5,569.24	508.82	305.54	203.28	2.503	
13,600.00	7,230.56	13,666.58	7,359.51	104.38	104.15	104.68	-977.28	-5,669.24	508.88	302.41	206.47	2.465	
13,700.00	7,230.44	13,766.58	7,359.49	106.02	105.80	104.69	-977.06	-5,769.24	508.94	299.28	209.67	2.427	
13,800.00	7,230.31	13,866.58	7,359.46	107.65	107.44	104.70	-976.83	-5,869.24	509.00	296.14	212.86	2.391	
13,900.00	7,230.18	13,966.58	7,359.44	109.29	109.09	104.71	-976.61	-5,969.24	509.06	293.00	216.06	2.356	
14,000.00	7,230.05	14,066.58	7,359.41	110.94	110.73	104.72	-976.39	-6,069.24	509.12	289.86	219.26	2.322	
14,100.00	7,229.92	14,166.58	7,359.38	112.58	112.38	104.73	-976.17	-6,169.24	509.18	286.72	222.46	2.289	
14,200.00	7,229.80	14,266.58	7,359.36	114.22	114.03	104.74	-975.95	-6,269.24	509.24	283.58	225.66	2.257	
14,300.00	7,229.67	14,366.58	7,359.33	115.86	115.67	104.75	-975.72	-6,369.24	509.30	280.44	228.87	2.225	
14,400.00	7,229.54	14,466.58	7,359.31	117.51	117.32	104.76	-975.50	-6,469.24	509.36	277.29	232.07	2.195	
14,500.00	7,229.41	14,566.58	7,359.28	119.15	118.97	104.77	-975.28	-6,569.24	509.42	274.15	235.28	2.165	
14,600.00	7,229.28	14,666.58	7,359.26	120.80	120.62	104.78	-975.06	-6,669.24	509.48	271.00	238.48	2.136	
14,700.00	7,229.15	14,766.58	7,359.23	122.45	122.27	104.79	-974.83	-6,769.24	509.55	267.86	241.69	2.108	
14,800.00	7,229.03	14,866.58	7,359.21	124.09	123.92	104.80	-974.61	-6,869.24	509.61	264.71	244.90	2.081	
14,900.00	7,228.90	14,966.58	7,359.18	125.74	125.57	104.81	-974.39	-6,969.24	509.67	261.56	248.11	2.054	
15,000.00	7,228.77	15,066.58	7,359.15	127.39	127.22	104.82	-974.17	-7,069.24	509.73	258.41	251.32	2.028	
15,100.00	7,228.64	15,166.58	7,359.13	129.04	128.88	104.83	-973.94	-7,169.24	509.79	255.26	254.53	2.003	
15,200.00	7,228.51	15,266.58	7,359.10	130.69	130.53	104.84	-973.72	-7,269.24	509.85	252.11	257.74	1.978	
15,300.00	7,228.38	15,366.58	7,359.08	132.34	132.18	104.85	-973.50	-7,369.24	509.91	248.95	260.95	1.954	
15,400.00	7,228.26	15,466.58	7,359.05	133.99	133.84	104.86	-973.28	-7,469.24	509.97	245.80	264.17	1.930	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5C-30-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

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

Offset Well Error: 3.28 usft

Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,228.13	15,566.58	7,359.03	135.64	135.49	104.87	-973.06	-7,569.24	510.03	242.65	267.38	1.907	
15,598.93	7,228.00	15,665.51	7,359.00	137.27	137.13	104.88	-972.84	-7,668.17	510.09	239.53	270.56	1.885 SF	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.80	20.04	-0.28	20.04				
100.00	100.00	100.00	100.00	3.28	3.28	-0.80	20.04	-0.28	20.04	12.51	7.53	2.662	
200.00	200.00	200.00	200.00	3.31	3.31	-0.80	20.04	-0.28	20.04	12.46	7.57	2.646	CC
300.00	299.98	300.59	300.57	3.35	3.35	-150.84	18.56	0.70	20.09	12.44	7.65	2.626	
400.00	399.84	401.18	401.02	3.41	3.41	-149.92	14.15	3.62	20.25	12.49	7.76	2.610	
500.00	499.45	501.77	501.21	3.49	3.49	-148.42	6.80	8.50	20.53	12.62	7.91	2.595	
600.00	598.70	602.35	601.03	3.60	3.61	-146.40	-3.47	15.31	20.94	12.83	8.11	2.582	
700.00	697.47	702.93	700.35	3.76	3.77	-143.92	-16.66	24.06	21.51	13.14	8.37	2.570	
800.00	795.62	803.49	799.04	3.96	3.97	-141.08	-32.74	34.72	22.25	13.55	8.70	2.558	
900.00	893.06	903.73	896.80	4.21	4.21	-138.92	-51.20	46.96	23.57	14.45	9.12	2.586	
1,000.00	989.96	1,003.69	994.21	4.50	4.50	-139.81	-69.88	59.35	26.37	16.79	9.58	2.752	
1,100.00	1,086.85	1,103.65	1,091.63	4.83	4.81	-140.60	-88.56	71.74	29.21	19.12	10.09	2.894	
1,200.00	1,183.75	1,203.61	1,189.04	5.19	5.14	-141.24	-107.25	84.13	32.05	21.41	10.64	3.013	
1,300.00	1,280.64	1,303.57	1,286.45	5.56	5.50	-141.78	-125.93	96.52	34.90	23.69	11.21	3.113	
1,400.00	1,377.53	1,403.53	1,383.87	5.95	5.86	-142.23	-144.61	108.91	37.75	25.94	11.81	3.196	
1,500.00	1,474.42	1,503.49	1,481.28	6.36	6.24	-142.63	-163.30	121.30	40.60	28.17	12.43	3.266	
1,600.00	1,571.32	1,603.45	1,578.69	6.78	6.63	-142.97	-181.98	133.69	43.45	30.38	13.07	3.325	
1,700.00	1,668.21	1,703.41	1,676.10	7.20	7.03	-143.27	-200.66	146.08	46.30	32.59	13.72	3.375	
1,800.00	1,765.10	1,803.36	1,773.52	7.64	7.44	-143.53	-219.35	158.47	49.16	34.78	14.38	3.418	
1,900.00	1,862.00	1,903.32	1,870.93	7.88	7.65	-143.77	-238.03	170.86	52.02	37.67	14.35	3.626	
2,000.00	1,958.89	2,003.28	1,968.34	7.94	7.70	-143.98	-256.71	183.25	54.87	40.47	14.41	3.809	
2,100.00	2,055.78	2,103.24	2,065.75	8.02	7.78	-144.17	-275.40	195.63	57.73	43.23	14.50	3.980	
2,200.00	2,152.67	2,203.20	2,163.17	8.13	7.87	-144.34	-294.08	208.02	60.59	45.95	14.64	4.139	
2,300.00	2,249.57	2,303.16	2,260.58	8.25	7.98	-144.50	-312.76	220.41	63.45	48.64	14.81	4.285	
2,400.00	2,346.46	2,403.12	2,357.99	8.39	8.11	-144.64	-331.45	232.80	66.31	51.29	15.01	4.417	
2,500.00	2,443.35	2,503.08	2,455.41	8.55	8.26	-144.77	-350.13	245.19	69.17	53.92	15.25	4.536	
2,600.00	2,540.25	2,603.04	2,552.82	8.72	8.42	-144.89	-368.81	257.58	72.03	56.51	15.52	4.642	
2,700.00	2,637.14	2,703.00	2,650.23	8.91	8.60	-145.01	-387.50	269.97	74.89	59.07	15.81	4.736	
2,800.00	2,734.03	2,802.95	2,747.64	9.12	8.79	-145.11	-406.18	282.36	77.75	61.61	16.14	4.818	
2,900.00	2,830.93	2,902.91	2,845.06	9.34	8.99	-145.21	-424.86	294.75	80.61	64.12	16.49	4.889	
3,000.00	2,927.82	3,002.87	2,942.47	9.57	9.21	-145.29	-443.54	307.14	83.47	66.61	16.86	4.950	
3,100.00	3,024.71	3,102.83	3,039.88	9.81	9.43	-145.38	-462.23	319.53	86.33	69.07	17.26	5.002	
3,200.00	3,121.60	3,202.79	3,137.29	10.07	9.67	-145.46	-480.91	331.92	89.19	71.51	17.68	5.045	
3,300.00	3,218.50	3,302.75	3,234.71	10.33	9.92	-145.53	-499.59	344.31	92.05	73.94	18.12	5.081	
3,400.00	3,315.39	3,402.71	3,332.12	10.61	10.18	-145.60	-518.28	356.70	94.91	76.34	18.57	5.111	
3,500.00	3,412.28	3,502.67	3,429.53	10.89	10.44	-145.66	-536.96	369.09	97.78	78.73	19.04	5.134	
3,600.00	3,509.18	3,602.63	3,526.95	11.18	10.71	-145.73	-555.64	381.48	100.64	81.11	19.53	5.153	
3,700.00	3,606.07	3,702.59	3,624.36	11.48	10.99	-145.78	-574.33	393.87	103.50	83.47	20.03	5.167	
3,800.00	3,702.96	3,802.54	3,721.77	11.78	11.28	-145.84	-593.01	406.26	106.36	85.81	20.55	5.176	
3,900.00	3,799.85	3,902.50	3,819.18	12.10	11.57	-145.89	-611.69	418.65	109.22	88.15	21.07	5.183	
4,000.00	3,896.75	4,002.46	3,916.60	12.41	11.87	-145.94	-630.38	431.04	112.09	90.47	21.61	5.186	
4,100.00	3,993.64	4,102.42	4,014.01	12.74	12.18	-145.99	-649.06	443.43	114.95	92.79	22.16	5.187	
4,200.00	4,090.53	4,202.38	4,111.42	13.07	12.49	-146.03	-667.74	455.82	117.81	95.09	22.72	5.186	
4,300.00	4,187.43	4,302.34	4,208.83	13.40	12.80	-146.07	-686.43	468.21	120.67	97.39	23.29	5.182	
4,400.00	4,284.32	4,402.30	4,306.25	13.74	13.12	-146.11	-705.11	480.59	123.54	99.67	23.86	5.177	
4,500.00	4,381.21	4,502.26	4,403.66	14.08	13.44	-146.15	-723.79	492.98	126.40	101.95	24.44	5.171	
4,600.00	4,478.11	4,602.22	4,501.07	14.42	13.76	-146.19	-742.47	505.37	129.26	104.23	25.03	5.163	
4,700.00	4,575.00	4,702.17	4,598.49	14.77	14.09	-146.22	-761.16	517.76	132.12	106.49	25.63	5.155	
4,800.00	4,671.89	4,802.13	4,695.90	15.12	14.43	-146.26	-779.84	530.15	134.99	108.75	26.23	5.146	
4,900.00	4,768.78	4,902.09	4,793.31	15.48	14.76	-146.29	-798.52	542.54	137.85	111.01	26.84	5.136	
5,000.00	4,865.68	5,002.05	4,890.72	15.84	15.10	-146.32	-817.21	554.93	140.71	113.26	27.45	5.125	
5,100.00	4,962.57	5,102.01	4,988.14	16.20	15.44	-146.35	-835.89	567.32	143.57	115.50	28.07	5.114	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	5,059.46	5,201.97	5,085.55	16.56	15.78	-146.38	-854.57	579.71	146.44	117.74	28.70	5.103	
5,300.00	5,156.36	5,301.93	5,182.96	16.92	16.13	-146.41	-873.26	592.10	149.30	119.98	29.32	5.091	
5,400.00	5,253.25	5,401.89	5,280.37	17.29	16.47	-146.43	-891.94	604.49	152.16	122.21	29.95	5.080	
5,500.00	5,350.14	5,501.85	5,377.79	17.66	16.82	-146.46	-910.62	616.88	155.03	124.44	30.59	5.068	
5,600.00	5,447.03	5,601.81	5,475.20	18.03	17.17	-146.48	-929.31	629.27	157.89	126.66	31.23	5.056	
5,700.00	5,543.93	5,701.76	5,572.61	18.41	17.53	-146.51	-947.99	641.66	160.75	128.88	31.87	5.044	
5,800.00	5,640.82	5,801.72	5,670.03	18.78	17.88	-146.53	-966.67	654.05	163.62	131.10	32.52	5.032	
5,900.00	5,737.71	5,901.68	5,767.44	19.16	18.24	-146.55	-985.36	666.44	166.48	133.31	33.16	5.020	
6,000.00	5,834.61	6,001.64	5,864.85	19.53	18.60	-146.57	-1,004.04	678.83	169.34	135.53	33.82	5.008	
6,100.00	5,931.50	6,101.60	5,962.26	19.91	18.96	-146.59	-1,022.72	691.22	172.20	137.74	34.47	4.996	
6,200.00	6,028.39	6,201.56	6,059.68	20.29	19.32	-146.61	-1,041.41	703.61	175.07	139.94	35.12	4.984	
6,300.00	6,125.29	6,301.52	6,157.09	20.68	19.68	-146.63	-1,060.09	716.00	177.93	142.15	35.78	4.972	
6,400.00	6,222.18	6,401.48	6,254.50	21.06	20.04	-146.65	-1,078.77	728.39	180.79	144.35	36.44	4.961	
6,500.00	6,319.07	6,501.44	6,351.91	21.44	20.40	-146.67	-1,097.45	740.78	183.66	146.55	37.11	4.949	
6,600.00	6,415.96	6,601.40	6,449.33	21.83	20.77	-146.69	-1,116.14	753.17	186.52	148.75	37.77	4.938	
6,700.00	6,512.86	6,703.01	6,548.77	22.21	21.05	-148.36	-1,135.28	760.30	189.00	150.82	38.18	4.950	
6,800.00	6,610.09	6,802.01	6,645.51	22.52	21.25	-179.82	-1,154.09	751.93	191.59	153.49	38.10	5.029	
6,900.00	6,707.39	6,898.39	6,737.32	22.74	21.39	139.00	-1,172.12	729.22	195.43	157.44	37.99	5.144	
7,000.00	6,802.45	6,992.50	6,822.70	22.92	21.49	114.27	-1,189.07	693.66	200.24	162.36	37.88	5.287	
7,100.00	6,892.94	7,084.63	6,900.39	23.04	21.56	100.06	-1,204.66	646.81	205.62	167.91	37.71	5.453	
7,200.00	6,976.61	7,175.04	6,969.36	23.13	21.58	90.88	-1,218.70	590.19	211.16	173.68	37.48	5.634	
7,300.00	7,051.42	7,264.00	7,028.86	23.17	21.58	84.46	-1,231.00	525.31	216.45	179.24	37.21	5.817	
7,400.00	7,115.52	7,351.76	7,078.28	23.17	21.56	79.82	-1,241.44	453.63	221.13	184.15	36.98	5.980	
7,500.00	7,167.33	7,438.57	7,117.17	23.13	21.51	76.47	-1,249.90	376.56	224.88	188.02	36.87	6.100	
7,600.00	7,205.58	7,524.66	7,145.22	23.07	21.44	74.16	-1,256.32	295.49	227.48	190.51	36.96	6.154	
7,700.00	7,229.32	7,610.25	7,162.20	22.98	21.36	72.75	-1,260.64	211.78	228.73	191.41	37.32	6.128	
7,800.00	7,237.96	7,695.57	7,168.00	22.87	21.26	72.17	-1,262.81	126.74	228.55	190.59	37.96	6.021	
7,900.00	7,237.88	7,804.50	7,168.18	22.79	21.15	72.13	-1,264.07	26.82	227.10	188.29	38.81	5.852	
8,000.00	7,237.75	7,904.51	7,168.36	22.77	21.21	72.09	-1,265.33	-73.16	225.62	185.76	39.87	5.660	
8,100.00	7,237.62	8,004.52	7,168.54	23.00	21.94	72.05	-1,266.60	-173.14	224.15	182.99	41.16	5.446	
8,200.00	7,237.49	8,104.53	7,168.72	23.67	22.84	72.01	-1,267.86	-273.12	222.67	180.02	42.66	5.220	
8,300.00	7,237.36	8,204.54	7,168.90	24.57	23.83	71.97	-1,269.13	-373.10	221.20	176.86	44.34	4.989	
8,400.00	7,237.24	8,304.55	7,169.08	25.56	24.89	71.93	-1,270.39	-473.08	219.72	173.53	46.19	4.757	
8,500.00	7,237.11	8,395.44	7,169.26	26.63	25.90	71.89	-1,271.66	-573.06	218.25	170.16	48.09	4.538	
8,600.00	7,236.98	8,504.57	7,169.44	27.75	27.17	71.84	-1,272.92	-673.04	216.77	166.46	50.31	4.309	
8,700.00	7,236.85	8,604.59	7,169.62	28.93	28.39	71.80	-1,274.18	-773.02	215.30	162.75	52.55	4.097	
8,800.00	7,236.72	8,704.60	7,169.80	30.15	29.65	71.76	-1,275.45	-873.01	213.82	158.94	54.88	3.896	
8,900.00	7,236.60	8,804.61	7,169.97	31.42	30.94	71.71	-1,276.71	-972.99	212.35	155.04	57.30	3.706	
9,000.00	7,236.47	8,904.62	7,170.15	32.71	32.27	71.67	-1,277.98	-1,072.97	210.87	151.07	59.80	3.526	
9,100.00	7,236.34	9,004.63	7,170.33	34.04	33.63	71.63	-1,279.24	-1,172.95	209.40	147.04	62.36	3.358	
9,200.00	7,236.21	9,104.64	7,170.51	35.40	35.01	71.58	-1,280.51	-1,272.93	207.93	142.94	64.98	3.200	
9,300.00	7,236.08	9,195.35	7,170.69	36.78	36.28	71.53	-1,281.77	-1,372.91	206.45	138.93	67.52	3.057	
9,400.00	7,235.95	9,304.66	7,170.87	38.18	37.84	71.49	-1,283.04	-1,472.89	204.98	134.61	70.37	2.913	
9,500.00	7,235.83	9,404.67	7,171.05	39.60	39.28	71.44	-1,284.30	-1,572.87	203.50	130.38	73.12	2.783	
9,600.00	7,235.70	9,504.68	7,171.23	41.04	40.75	71.39	-1,285.57	-1,672.85	202.03	126.12	75.91	2.661	
9,700.00	7,235.57	9,604.70	7,171.41	42.50	42.22	71.34	-1,286.83	-1,772.83	200.56	121.83	78.73	2.547	
9,800.00	7,235.44	9,704.71	7,171.59	43.97	43.71	71.29	-1,288.09	-1,872.81	199.08	117.51	81.58	2.440	
9,900.00	7,235.31	9,804.72	7,171.77	45.46	45.21	71.24	-1,289.36	-1,972.79	197.61	113.16	84.45	2.340	
10,000.00	7,235.18	9,904.73	7,171.95	46.95	46.73	71.19	-1,290.62	-2,072.78	196.14	108.80	87.34	2.246	
10,100.00	7,235.06	10,004.74	7,172.13	48.46	48.25	71.14	-1,291.89	-2,172.76	194.66	104.41	90.25	2.157	
10,200.00	7,234.93	10,104.75	7,172.30	49.98	49.78	71.09	-1,293.15	-2,272.74	193.19	100.01	93.18	2.073	
10,300.00	7,234.80	10,204.76	7,172.48	51.51	51.32	71.03	-1,294.42	-2,372.72	191.72	95.59	96.13	1.994	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
10,400.00	7,234.67	10,304.77	7,172.66	53.04	52.87	70.98	-1,295.68	-2,472.70	190.25	91.16	99.09	1.920	
10,500.00	7,234.54	10,404.78	7,172.84	54.59	54.42	70.92	-1,296.95	-2,572.68	188.77	86.71	102.06	1.850	
10,600.00	7,234.41	10,504.80	7,173.02	56.14	55.98	70.87	-1,298.21	-2,672.66	187.30	82.25	105.05	1.783	
10,700.00	7,234.29	10,604.81	7,173.20	57.69	57.55	70.81	-1,299.47	-2,772.64	185.83	77.79	108.04	1.720	
10,800.00	7,234.16	10,695.18	7,173.38	59.26	58.97	70.75	-1,300.74	-2,872.62	184.36	73.46	110.90	1.662	
10,853.27	7,234.09	10,745.75	7,173.47	60.09	59.77	70.76	-1,301.03	-2,923.18	183.92	71.59	112.33	1.637	
10,900.00	7,234.03	10,790.97	7,173.55	60.83	60.48	70.83	-1,300.61	-2,968.41	184.20	70.51	113.68	1.620	
11,000.00	7,233.90	10,909.04	7,173.73	62.40	62.35	71.02	-1,299.46	-3,068.39	185.02	67.89	117.13	1.580	
11,100.00	7,233.77	11,009.04	7,173.91	63.98	63.93	71.21	-1,298.30	-3,168.38	185.84	65.53	120.30	1.545	
11,200.00	7,233.64	11,109.05	7,174.09	65.56	65.52	71.39	-1,297.14	-3,268.37	186.66	63.16	123.49	1.511	
11,300.00	7,233.52	11,209.05	7,174.27	67.15	67.12	71.58	-1,295.98	-3,368.36	187.48	60.79	126.69	1.480	Level 3
11,400.00	7,233.39	11,309.06	7,174.45	68.74	68.71	71.76	-1,294.82	-3,468.34	188.31	58.41	129.90	1.450	Level 3
11,500.00	7,233.26	11,409.06	7,174.63	70.34	70.32	71.94	-1,293.66	-3,568.33	189.13	56.02	133.12	1.421	Level 3
11,600.00	7,233.13	11,509.07	7,174.81	71.93	71.92	72.12	-1,292.50	-3,668.32	189.96	53.62	136.35	1.393	Level 3
11,700.00	7,233.00	11,590.93	7,174.99	73.54	73.23	72.30	-1,291.35	-3,768.31	190.79	51.50	139.30	1.370	Level 3
11,800.00	7,232.87	11,690.92	7,175.17	75.14	74.84	72.47	-1,290.19	-3,868.30	191.63	49.09	142.54	1.344	Level 3
11,900.00	7,232.75	11,809.08	7,175.35	76.75	76.75	72.65	-1,289.03	-3,968.28	192.46	46.39	146.07	1.318	Level 3
12,000.00	7,232.62	11,909.09	7,175.53	78.36	78.36	72.82	-1,287.87	-4,068.27	193.30	43.97	149.33	1.294	Level 3
12,100.00	7,232.49	12,009.09	7,175.71	79.97	79.98	72.99	-1,286.71	-4,168.26	194.14	41.55	152.59	1.272	Level 3
12,200.00	7,232.36	12,109.10	7,175.89	81.58	81.60	73.16	-1,285.55	-4,268.25	194.98	39.12	155.86	1.251	Level 3
12,300.00	7,232.23	12,209.10	7,176.07	83.20	83.22	73.33	-1,284.40	-4,368.24	195.82	36.68	159.14	1.231	Level 2
12,400.00	7,232.10	12,309.11	7,176.25	84.82	84.85	73.50	-1,283.24	-4,468.22	196.66	34.25	162.42	1.211	Level 2
12,500.00	7,231.98	12,390.89	7,176.43	86.44	86.18	73.66	-1,282.08	-4,568.21	197.51	32.10	165.41	1.194	Level 2
12,600.00	7,231.85	12,509.12	7,176.61	88.06	88.10	73.83	-1,280.92	-4,668.20	198.35	29.36	168.99	1.174	Level 2
12,700.00	7,231.72	12,590.88	7,176.79	89.69	89.43	73.99	-1,279.76	-4,768.19	199.20	27.21	172.00	1.158	Level 2
12,800.00	7,231.59	12,709.13	7,176.97	91.32	91.36	74.15	-1,278.60	-4,868.18	200.05	24.47	175.59	1.139	Level 2
12,900.00	7,231.46	12,809.13	7,177.15	92.94	92.99	74.31	-1,277.45	-4,968.16	200.90	22.01	178.89	1.123	Level 2
13,000.00	7,231.33	12,909.14	7,177.32	94.57	94.62	74.47	-1,276.29	-5,068.15	201.76	19.56	182.20	1.107	Level 2
13,100.00	7,231.21	12,990.86	7,177.50	96.20	95.96	74.63	-1,275.13	-5,168.14	202.61	17.39	185.22	1.094	Level 2
13,200.00	7,231.08	13,109.15	7,177.68	97.84	97.89	74.79	-1,273.97	-5,268.13	203.47	14.64	188.83	1.078	Level 2
13,300.00	7,230.95	13,209.16	7,177.86	99.47	99.53	74.94	-1,272.81	-5,368.12	204.33	12.18	192.15	1.063	Level 2
13,400.00	7,230.82	13,290.84	7,178.04	101.10	100.87	75.09	-1,271.65	-5,468.10	205.18	10.01	195.18	1.051	Level 2
13,500.00	7,230.69	13,409.17	7,178.22	102.74	102.81	75.25	-1,270.50	-5,568.09	206.05	7.25	198.80	1.036	Level 2
13,600.00	7,230.56	13,509.17	7,178.40	104.38	104.45	75.40	-1,269.34	-5,668.08	206.91	4.78	202.13	1.024	Level 2
13,700.00	7,230.44	13,609.18	7,178.58	106.02	106.09	75.55	-1,268.18	-5,768.07	207.77	2.31	205.46	1.011	Level 2
13,800.00	7,230.31	13,709.18	7,178.76	107.65	107.73	75.70	-1,267.02	-5,868.06	208.64	-0.16	208.79	0.999	Level 1
13,900.00	7,230.18	13,809.19	7,178.94	109.29	109.38	75.84	-1,265.86	-5,968.04	209.50	-2.63	212.13	0.988	Level 1
14,000.00	7,230.05	13,909.19	7,179.12	110.94	111.02	75.99	-1,264.70	-6,068.03	210.37	-5.10	215.47	0.976	Level 1
14,100.00	7,229.92	14,009.20	7,179.30	112.58	112.67	76.13	-1,263.54	-6,168.02	211.24	-7.58	218.81	0.965	Level 1
14,200.00	7,229.80	14,109.20	7,179.48	114.22	114.31	76.28	-1,262.39	-6,268.01	212.11	-10.05	222.16	0.955	Level 1
14,300.00	7,229.67	14,209.21	7,179.66	115.86	115.96	76.42	-1,261.23	-6,367.99	212.98	-12.53	225.51	0.944	Level 1
14,400.00	7,229.54	14,309.21	7,179.84	117.51	117.61	76.56	-1,260.07	-6,467.98	213.85	-15.00	228.86	0.934	Level 1
14,500.00	7,229.41	14,409.22	7,180.02	119.15	119.25	76.70	-1,258.91	-6,567.97	214.73	-17.48	232.21	0.925	Level 1
14,600.00	7,229.28	14,509.22	7,180.20	120.80	120.90	76.84	-1,257.75	-6,667.96	215.60	-19.96	235.56	0.915	Level 1
14,700.00	7,229.15	14,609.23	7,180.38	122.45	122.55	76.98	-1,256.59	-6,767.95	216.48	-22.44	238.92	0.906	Level 1
14,800.00	7,229.03	14,709.23	7,180.56	124.09	124.20	77.11	-1,255.44	-6,867.93	217.36	-24.92	242.27	0.897	Level 1
14,900.00	7,228.90	14,790.76	7,180.74	125.74	125.55	77.25	-1,254.28	-6,967.92	218.24	-27.09	245.33	0.890	Level 1
15,000.00	7,228.77	14,909.24	7,180.92	127.39	127.50	77.39	-1,253.12	-7,067.91	219.12	-29.87	248.99	0.880	Level 1
15,100.00	7,228.64	15,009.25	7,181.10	129.04	129.15	77.52	-1,251.96	-7,167.90	220.00	-32.35	252.35	0.872	Level 1
15,200.00	7,228.51	15,109.25	7,181.28	130.69	130.81	77.65	-1,250.80	-7,267.89	220.88	-34.84	255.72	0.864	Level 1
15,300.00	7,228.38	15,209.26	7,181.46	132.34	132.46	77.78	-1,249.64	-7,367.87	221.77	-37.32	259.08	0.856	Level 1
15,400.00	7,228.26	15,290.74	7,181.64	133.99	133.81	77.91	-1,248.49	-7,467.86	222.65	-39.49	262.15	0.849	Level 1

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

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

Offset Well Error: 3.28 usft

Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,500.00	7,228.13	15,390.73	7,181.82	135.64	135.46	78.04	-1,247.33	-7,567.85	223.54	-41.97	265.51	0.842	Level 1
15,598.93	7,228.00	15,489.66	7,181.99	137.27	137.10	78.17	-1,246.18	-7,666.77	224.42	-44.43	268.84	0.835	Level 1, ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	0.00	0.00	3.28	3.28	-0.53	60.11	-0.56	60.11				
100.00	100.00	100.00	100.00	3.28	3.28	-0.53	60.11	-0.56	60.11	52.58	7.53	7.984	
200.00	200.00	200.00	200.00	3.31	3.31	-0.53	60.11	-0.56	60.11	52.54	7.57	7.937	CC, ES
300.00	299.98	301.55	301.53	3.35	3.35	-150.53	58.81	0.69	60.35	52.69	7.65	7.885	
400.00	399.84	403.09	402.92	3.41	3.41	-149.48	54.92	4.42	61.07	53.30	7.77	7.864	
500.00	499.45	504.59	504.02	3.49	3.50	-147.79	48.43	10.64	62.31	54.38	7.92	7.864	
600.00	598.70	606.06	604.71	3.60	3.62	-145.54	39.37	19.33	64.12	55.99	8.13	7.884	
700.00	697.47	707.48	704.83	3.76	3.78	-142.84	27.75	30.47	66.59	58.18	8.41	7.921	
800.00	795.62	807.44	803.19	3.96	3.97	-140.88	14.92	42.78	70.73	61.97	8.76	8.074	
900.00	893.06	907.20	901.36	4.21	4.20	-140.78	2.10	55.07	77.60	68.43	9.17	8.464	
1,000.00	989.96	1,006.81	999.39	4.50	4.45	-141.71	-10.69	67.34	86.23	76.61	9.62	8.964	
1,100.00	1,086.85	1,106.43	1,097.41	4.83	4.72	-142.50	-23.48	79.60	94.92	84.81	10.11	9.391	
1,200.00	1,183.75	1,206.04	1,195.44	5.19	5.01	-143.16	-36.28	91.87	103.62	92.99	10.63	9.750	
1,300.00	1,280.64	1,305.66	1,293.46	5.56	5.31	-143.71	-49.07	104.14	112.33	101.16	11.18	10.052	
1,400.00	1,377.53	1,405.27	1,391.48	5.95	5.62	-144.19	-61.86	116.41	121.06	109.31	11.75	10.306	
1,500.00	1,474.42	1,504.88	1,489.51	6.36	5.95	-144.60	-74.66	128.68	129.79	117.45	12.34	10.521	
1,600.00	1,571.32	1,604.50	1,587.53	6.78	6.28	-144.96	-87.45	140.95	138.52	125.58	12.94	10.703	
1,700.00	1,668.21	1,704.11	1,685.56	7.20	6.62	-145.27	-100.25	153.22	147.26	133.70	13.56	10.857	
1,800.00	1,765.10	1,803.73	1,783.58	7.64	6.97	-145.56	-113.04	165.49	156.00	141.81	14.20	10.989	
1,900.00	1,862.00	1,903.34	1,881.61	7.88	7.15	-145.81	-125.83	177.75	164.75	150.60	14.15	11.647	
2,000.00	1,958.89	2,002.96	1,979.63	7.94	7.19	-146.03	-138.63	190.02	173.50	159.30	14.20	12.218	
2,100.00	2,055.78	2,102.57	2,077.66	8.02	7.25	-146.24	-151.42	202.29	182.25	167.96	14.29	12.752	
2,200.00	2,152.67	2,202.18	2,175.68	8.13	7.33	-146.42	-164.21	214.56	191.01	176.59	14.42	13.248	
2,300.00	2,249.57	2,301.80	2,273.71	8.25	7.42	-146.59	-177.01	226.83	199.76	185.19	14.58	13.704	
2,400.00	2,346.46	2,401.41	2,371.73	8.39	7.53	-146.75	-189.80	239.10	208.52	193.75	14.77	14.120	
2,500.00	2,443.35	2,501.03	2,469.75	8.55	7.65	-146.89	-202.60	251.37	217.28	202.29	14.99	14.495	
2,600.00	2,540.25	2,600.64	2,567.78	8.72	7.78	-147.02	-215.39	263.64	226.04	210.80	15.24	14.830	
2,700.00	2,637.14	2,700.26	2,665.80	8.91	7.93	-147.14	-228.18	275.90	234.80	219.28	15.52	15.128	
2,800.00	2,734.03	2,800.13	2,763.83	9.12	8.09	-147.26	-240.98	288.17	243.56	227.73	15.83	15.389	
2,900.00	2,830.93	2,899.48	2,861.85	9.34	8.27	-147.36	-253.77	300.44	252.32	236.17	16.16	15.617	
3,000.00	2,927.82	3,000.90	2,959.88	9.57	8.46	-147.46	-266.56	312.71	261.09	244.57	16.51	15.810	
3,100.00	3,024.71	3,101.29	3,057.90	9.81	8.65	-147.55	-279.36	324.98	269.85	252.96	16.89	15.976	
3,200.00	3,121.60	3,201.67	3,155.93	10.07	8.86	-147.64	-292.15	337.25	278.62	261.33	17.29	16.116	
3,300.00	3,218.50	3,302.06	3,253.95	10.33	9.08	-147.72	-304.95	349.52	287.38	269.68	17.70	16.233	
3,400.00	3,315.39	3,402.44	3,351.97	10.61	9.30	-147.79	-317.74	361.79	296.15	278.01	18.14	16.328	
3,500.00	3,412.28	3,497.17	3,450.00	10.89	9.52	-147.87	-330.53	374.05	304.92	286.34	18.57	16.416	
3,600.00	3,509.18	3,596.78	3,548.02	11.18	9.76	-147.93	-343.33	386.32	313.68	294.65	19.04	16.478	
3,700.00	3,606.07	3,696.40	3,646.05	11.48	10.00	-148.00	-356.12	398.59	322.45	302.94	19.51	16.525	
3,800.00	3,702.96	3,803.99	3,744.07	11.78	10.27	-148.06	-368.91	410.86	331.22	311.20	20.02	16.544	
3,900.00	3,799.85	3,904.37	3,842.10	12.10	10.53	-148.12	-381.71	423.13	339.99	319.47	20.52	16.566	
4,000.00	3,896.75	3,995.24	3,940.12	12.41	10.77	-148.17	-394.50	435.40	348.76	327.74	21.01	16.596	
4,100.00	3,993.64	4,105.14	4,038.15	12.74	11.07	-148.22	-407.29	447.67	357.53	335.96	21.56	16.581	
4,200.00	4,090.53	4,205.53	4,136.17	13.07	11.34	-148.27	-420.09	459.94	366.30	344.20	22.10	16.578	
4,300.00	4,187.43	4,305.92	4,234.20	13.40	11.62	-148.32	-432.88	472.20	375.07	352.43	22.64	16.568	
4,400.00	4,284.32	4,406.30	4,332.22	13.74	11.90	-148.36	-445.68	484.47	383.84	360.65	23.19	16.552	
4,500.00	4,381.21	4,506.69	4,430.24	14.08	12.19	-148.41	-458.47	496.74	392.61	368.86	23.75	16.533	
4,600.00	4,478.11	4,592.93	4,528.27	14.42	12.44	-148.45	-471.26	509.01	401.38	377.10	24.27	16.535	
4,700.00	4,575.00	4,707.46	4,626.29	14.77	12.77	-148.49	-484.06	521.28	410.15	385.26	24.88	16.482	
4,800.00	4,671.89	4,792.16	4,724.32	15.12	13.02	-148.52	-496.85	533.55	418.92	393.50	25.42	16.481	
4,900.00	4,768.78	4,908.23	4,822.34	15.48	13.37	-148.56	-509.64	545.82	427.69	401.64	26.05	16.421	
5,000.00	4,865.68	4,991.38	4,920.37	15.84	13.62	-148.59	-522.44	558.09	436.46	409.87	26.59	16.417	
5,100.00	4,962.57	5,109.00	5,018.39	16.20	13.98	-148.63	-535.23	570.35	445.23	418.00	27.23	16.352	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	5,059.46	5,209.39	5,116.42	16.56	14.28	-148.66	-548.03	582.62	454.00	426.17	27.83	16.316	
5,300.00	5,156.36	5,290.23	5,214.44	16.92	14.53	-148.69	-560.82	594.89	462.77	434.40	28.37	16.311	
5,400.00	5,253.25	5,389.84	5,312.46	17.29	14.84	-148.72	-573.61	607.16	471.54	442.57	28.98	16.274	
5,500.00	5,350.14	5,489.46	5,410.49	17.66	15.15	-148.75	-586.41	619.43	480.31	450.73	29.58	16.236	
5,600.00	5,447.03	5,589.07	5,508.51	18.03	15.46	-148.78	-599.20	631.70	489.09	458.89	30.19	16.198	
5,700.00	5,543.93	5,688.68	5,606.54	18.41	15.78	-148.80	-611.99	643.97	497.86	467.05	30.81	16.159	
5,800.00	5,640.82	5,788.30	5,704.56	18.78	16.09	-148.83	-624.79	656.24	506.63	475.20	31.43	16.121	
5,900.00	5,737.71	5,887.91	5,802.59	19.16	16.41	-148.85	-637.58	668.50	515.40	483.35	32.05	16.082	
6,000.00	5,834.61	5,987.53	5,900.61	19.53	16.73	-148.88	-650.38	680.77	524.17	491.50	32.67	16.044	
6,100.00	5,931.50	6,087.14	5,998.64	19.91	17.05	-148.90	-663.17	693.04	532.95	499.65	33.30	16.006	
6,200.00	6,028.39	6,186.76	6,096.66	20.29	17.37	-148.92	-675.96	705.31	541.72	507.79	33.93	15.968	
6,300.00	6,125.29	6,286.37	6,194.69	20.68	17.69	-148.94	-688.76	717.58	550.49	515.94	34.56	15.930	
6,400.00	6,222.18	6,385.98	6,292.71	21.06	18.02	-148.96	-701.55	729.85	559.26	524.07	35.19	15.893	
6,500.00	6,319.07	6,485.60	6,390.73	21.44	18.34	-148.98	-714.34	742.12	568.04	532.21	35.82	15.856	
6,600.00	6,415.96	6,585.21	6,488.76	21.83	18.67	-149.00	-727.14	754.38	576.81	540.35	36.46	15.820	
6,700.00	6,512.86	6,685.95	6,588.15	22.21	18.94	-149.30	-740.10	763.97	585.52	548.49	37.03	15.811	
6,800.00	6,610.09	6,785.43	6,686.57	22.52	19.11	-177.47	-752.91	759.10	594.23	556.87	37.36	15.904	
6,900.00	6,707.39	6,882.78	6,781.03	22.74	19.23	144.39	-765.18	739.44	603.25	565.68	37.56	16.059	
7,000.00	6,802.45	6,978.28	6,869.75	22.92	19.31	122.39	-776.66	706.27	612.33	574.65	37.68	16.251	
7,100.00	6,892.94	7,072.16	6,951.21	23.04	19.35	110.54	-787.18	661.00	621.20	583.47	37.74	16.461	
7,200.00	6,976.61	7,164.63	7,024.15	23.13	19.36	103.36	-796.56	605.07	629.58	591.81	37.77	16.670	
7,300.00	7,051.42	7,255.91	7,087.54	23.17	19.35	98.58	-804.68	540.00	637.21	599.39	37.82	16.849	
7,400.00	7,115.52	7,346.21	7,140.54	23.17	19.32	95.24	-811.43	467.29	643.85	605.91	37.94	16.969	
7,500.00	7,167.33	7,435.73	7,182.50	23.13	19.28	92.89	-816.73	388.48	649.29	611.09	38.20	16.999	
7,600.00	7,205.58	7,524.66	7,212.93	23.07	19.23	91.31	-820.52	305.08	653.36	614.75	38.61	16.921	
7,700.00	7,229.32	7,613.19	7,231.49	22.98	19.20	90.36	-822.75	218.62	655.95	616.73	39.22	16.727	
7,800.00	7,237.96	7,701.48	7,237.99	22.87	19.21	90.00	-823.41	130.64	656.96	616.96	40.00	16.424	
7,900.00	7,237.88	7,800.98	7,237.91	22.79	19.46	90.00	-823.19	31.14	657.00	615.97	41.03	16.014	
8,000.00	7,237.75	7,900.98	7,237.82	22.77	20.05	90.01	-822.97	-68.86	657.03	614.74	42.30	15.534	
8,100.00	7,237.62	8,000.98	7,237.73	23.00	20.84	90.01	-822.75	-168.86	657.07	613.28	43.79	15.006	
8,200.00	7,237.49	8,100.98	7,237.64	23.67	21.74	90.01	-822.53	-268.86	657.11	611.63	45.48	14.449	
8,300.00	7,237.36	8,200.98	7,237.55	24.57	22.74	90.02	-822.30	-368.86	657.14	609.79	47.35	13.879	
8,400.00	7,237.24	8,300.98	7,237.46	25.56	23.81	90.02	-822.08	-468.86	657.18	607.80	49.38	13.310	
8,500.00	7,237.11	8,400.98	7,237.37	26.63	24.95	90.02	-821.86	-568.86	657.21	605.67	51.54	12.751	
8,600.00	7,236.98	8,500.98	7,237.28	27.75	26.14	90.03	-821.64	-668.86	657.25	603.42	53.83	12.209	
8,700.00	7,236.85	8,600.98	7,237.19	28.93	27.37	90.03	-821.42	-768.86	657.28	601.06	56.23	11.690	
8,800.00	7,236.72	8,700.98	7,237.10	30.15	28.66	90.03	-821.19	-868.86	657.32	598.60	58.71	11.195	
8,900.00	7,236.60	8,800.98	7,237.01	31.42	29.97	90.04	-820.97	-968.86	657.35	596.07	61.29	10.726	
9,000.00	7,236.47	8,900.98	7,236.92	32.71	31.33	90.04	-820.75	-1,068.86	657.39	593.46	63.93	10.283	
9,100.00	7,236.34	9,000.98	7,236.83	34.04	32.71	90.04	-820.53	-1,168.86	657.43	590.79	66.64	9.866	
9,200.00	7,236.21	9,100.98	7,236.74	35.40	34.11	90.05	-820.30	-1,268.86	657.46	588.06	69.40	9.474	
9,300.00	7,236.08	9,200.98	7,236.65	36.78	35.54	90.05	-820.08	-1,368.86	657.50	585.29	72.21	9.105	
9,400.00	7,235.95	9,300.98	7,236.56	38.18	36.99	90.05	-819.86	-1,468.86	657.53	582.47	75.07	8.759	
9,500.00	7,235.83	9,400.98	7,236.47	39.60	38.45	90.06	-819.64	-1,568.85	657.57	579.61	77.96	8.434	
9,600.00	7,235.70	9,500.98	7,236.38	41.04	39.93	90.06	-819.42	-1,668.85	657.60	576.71	80.89	8.129	
9,700.00	7,235.57	9,600.98	7,236.29	42.50	41.43	90.06	-819.19	-1,768.85	657.64	573.79	83.85	7.843	
9,800.00	7,235.44	9,700.98	7,236.21	43.97	42.93	90.07	-818.97	-1,868.85	657.67	570.83	86.84	7.573	
9,900.00	7,235.31	9,800.98	7,236.12	45.46	44.45	90.07	-818.75	-1,968.85	657.71	567.85	89.86	7.320	
10,000.00	7,235.18	9,900.98	7,236.03	46.95	45.98	90.07	-818.53	-2,068.85	657.75	564.85	92.89	7.081	
10,100.00	7,235.06	10,000.98	7,235.94	48.46	47.52	90.08	-818.30	-2,168.85	657.78	561.83	95.95	6.855	
10,200.00	7,234.93	10,100.98	7,235.85	49.98	49.07	90.08	-818.08	-2,268.85	657.82	558.79	99.03	6.643	
10,300.00	7,234.80	10,200.98	7,235.76	51.51	50.62	90.08	-817.86	-2,368.85	657.85	555.73	102.12	6.442	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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
10,400.00	7,234.67	10,300.98	7,235.67	53.04	52.19	90.09	-817.64	-2,468.85	657.89	552.66	105.23	6.252	
10,500.00	7,234.54	10,400.98	7,235.58	54.59	53.76	90.09	-817.42	-2,568.85	657.92	549.57	108.35	6.072	
10,600.00	7,234.41	10,500.98	7,235.49	56.14	55.33	90.09	-817.19	-2,668.85	657.96	546.47	111.49	5.902	
10,700.00	7,234.29	10,600.98	7,235.40	57.69	56.91	90.10	-816.97	-2,768.85	657.99	543.36	114.64	5.740	
10,800.00	7,234.16	10,700.98	7,235.31	59.26	58.50	90.10	-816.75	-2,868.85	658.03	540.24	117.79	5.586	
10,900.00	7,234.03	10,800.98	7,235.22	60.83	60.09	90.10	-816.53	-2,968.85	658.07	537.10	120.96	5.440	
11,000.00	7,233.90	10,900.98	7,235.13	62.40	61.68	90.11	-816.30	-3,068.85	658.10	533.96	124.14	5.301	
11,100.00	7,233.77	11,000.98	7,235.04	63.98	63.28	90.11	-816.08	-3,168.85	658.14	530.81	127.33	5.169	
11,200.00	7,233.64	11,100.98	7,234.95	65.56	64.88	90.11	-815.86	-3,268.85	658.17	527.65	130.52	5.043	
11,300.00	7,233.52	11,200.98	7,234.86	67.15	66.48	90.12	-815.64	-3,368.85	658.21	524.49	133.72	4.922	
11,400.00	7,233.39	11,300.98	7,234.77	68.74	68.09	90.12	-815.42	-3,468.85	658.24	521.31	136.93	4.807	
11,500.00	7,233.26	11,400.98	7,234.68	70.34	69.70	90.12	-815.19	-3,568.85	658.28	518.13	140.15	4.697	
11,600.00	7,233.13	11,500.98	7,234.59	71.93	71.32	90.13	-814.97	-3,668.85	658.31	514.95	143.37	4.592	
11,700.00	7,233.00	11,600.98	7,234.50	73.54	72.93	90.13	-814.75	-3,768.85	658.35	511.76	146.59	4.491	
11,800.00	7,232.87	11,700.98	7,234.41	75.14	74.55	90.13	-814.53	-3,868.85	658.39	508.56	149.82	4.394	
11,900.00	7,232.75	11,800.98	7,234.32	76.75	76.17	90.14	-814.30	-3,968.85	658.42	505.36	153.06	4.302	
12,000.00	7,232.62	11,900.98	7,234.23	78.36	77.80	90.14	-814.08	-4,068.85	658.46	502.16	156.30	4.213	
12,100.00	7,232.49	12,000.98	7,234.14	79.97	79.42	90.14	-813.86	-4,168.85	658.49	498.95	159.55	4.127	
12,200.00	7,232.36	12,100.98	7,234.05	81.58	81.05	90.15	-813.64	-4,268.85	658.53	495.73	162.79	4.045	
12,300.00	7,232.23	12,200.98	7,233.96	83.20	82.68	90.15	-813.42	-4,368.85	658.56	492.52	166.05	3.966	
12,400.00	7,232.10	12,300.98	7,233.87	84.82	84.31	90.15	-813.19	-4,468.85	658.60	489.30	169.30	3.890	
12,500.00	7,231.98	12,400.98	7,233.78	86.44	85.94	90.16	-812.97	-4,568.85	658.64	486.07	172.56	3.817	
12,600.00	7,231.85	12,500.98	7,233.69	88.06	87.57	90.16	-812.75	-4,668.85	658.67	482.84	175.83	3.746	
12,700.00	7,231.72	12,600.98	7,233.60	89.69	89.21	90.16	-812.53	-4,768.85	658.71	479.61	179.09	3.678	
12,800.00	7,231.59	12,700.98	7,233.51	91.32	90.85	90.17	-812.30	-4,868.85	658.74	476.38	182.36	3.612	
12,900.00	7,231.46	12,800.98	7,233.42	92.94	92.48	90.17	-812.08	-4,968.84	658.78	473.14	185.63	3.549	
13,000.00	7,231.33	12,900.98	7,233.33	94.57	94.12	90.17	-811.86	-5,068.84	658.81	469.91	188.91	3.487	
13,100.00	7,231.21	13,000.98	7,233.24	96.20	95.76	90.18	-811.64	-5,168.84	658.85	466.67	192.18	3.428	
13,200.00	7,231.08	13,100.98	7,233.15	97.84	97.40	90.18	-811.42	-5,268.84	658.88	463.42	195.46	3.371	
13,300.00	7,230.95	13,200.98	7,233.07	99.47	99.05	90.18	-811.19	-5,368.84	658.92	460.18	198.74	3.315	
13,400.00	7,230.82	13,300.98	7,232.98	101.10	100.69	90.19	-810.97	-5,468.84	658.96	456.93	202.03	3.262	
13,500.00	7,230.69	13,400.98	7,232.89	102.74	102.33	90.19	-810.75	-5,568.84	658.99	453.68	205.31	3.210	
13,600.00	7,230.56	13,500.98	7,232.80	104.38	103.98	90.19	-810.53	-5,668.84	659.03	450.43	208.60	3.159	
13,700.00	7,230.44	13,600.98	7,232.71	106.02	105.62	90.20	-810.30	-5,768.84	659.06	447.18	211.89	3.110	
13,800.00	7,230.31	13,700.98	7,232.62	107.65	107.27	90.20	-810.08	-5,868.84	659.10	443.92	215.18	3.063	
13,900.00	7,230.18	13,800.98	7,232.53	109.29	108.92	90.20	-809.86	-5,968.84	659.13	440.66	218.47	3.017	
14,000.00	7,230.05	13,900.98	7,232.44	110.94	110.56	90.21	-809.64	-6,068.84	659.17	437.41	221.76	2.972	
14,100.00	7,229.92	14,000.98	7,232.35	112.58	112.21	90.21	-809.42	-6,168.84	659.21	434.15	225.06	2.929	
14,200.00	7,229.80	14,100.98	7,232.26	114.22	113.86	90.21	-809.19	-6,268.84	659.24	430.89	228.35	2.887	
14,300.00	7,229.67	14,200.98	7,232.17	115.86	115.51	90.22	-808.97	-6,368.84	659.28	427.62	231.65	2.846	
14,400.00	7,229.54	14,300.98	7,232.08	117.51	117.16	90.22	-808.75	-6,468.84	659.31	424.36	234.95	2.806	
14,500.00	7,229.41	14,400.98	7,231.99	119.15	118.81	90.22	-808.53	-6,568.84	659.35	421.10	238.25	2.767	
14,600.00	7,229.28	14,500.98	7,231.90	120.80	120.47	90.23	-808.30	-6,668.84	659.38	417.83	241.55	2.730	
14,700.00	7,229.15	14,600.98	7,231.81	122.45	122.12	90.23	-808.08	-6,768.84	659.42	414.56	244.86	2.693	
14,800.00	7,229.03	14,700.98	7,231.72	124.09	123.77	90.23	-807.86	-6,868.84	659.46	411.29	248.16	2.657	
14,900.00	7,228.90	14,800.98	7,231.63	125.74	125.42	90.24	-807.64	-6,968.84	659.49	408.03	251.47	2.623	
15,000.00	7,228.77	14,900.98	7,231.54	127.39	127.08	90.24	-807.42	-7,068.84	659.53	404.76	254.77	2.589	
15,100.00	7,228.64	15,000.98	7,231.45	129.04	128.73	90.24	-807.19	-7,168.84	659.56	401.48	258.08	2.556	
15,200.00	7,228.51	15,100.98	7,231.36	130.69	130.39	90.25	-806.97	-7,268.84	659.60	398.21	261.39	2.523	
15,300.00	7,228.38	15,200.98	7,231.27	132.34	132.04	90.25	-806.75	-7,368.84	659.63	394.94	264.69	2.492	
15,400.00	7,228.26	15,300.98	7,231.18	133.99	133.70	90.25	-806.53	-7,468.84	659.67	391.66	268.00	2.461	
15,500.00	7,228.13	15,400.98	7,231.09	135.64	135.35	90.26	-806.30	-7,568.84	659.70	388.39	271.31	2.432	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

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

Offset Well Error: 3.28 usft

Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,598.93	7,228.00	15,499.91	7,231.00	137.27	136.99	90.26	-806.09	-7,667.77	659.74	385.15	274.59	2.403 SF	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-68.58	59.02	-150.45	161.61				
100.00	100.00	101.00	101.00	3.28	3.28	-68.58	59.02	-150.45	161.61	154.08	7.53	21.465	
200.00	200.00	201.02	201.02	3.31	3.31	-68.58	59.02	-150.45	161.61	154.04	7.57	21.337	
200.63	200.63	201.65	201.65	3.31	3.31	141.07	59.02	-150.45	161.61	154.04	7.57	21.336	CC, ES
300.00	299.98	302.69	302.67	3.35	3.35	140.83	57.18	-150.59	162.44	154.78	7.65	21.223	
400.00	399.84	404.30	404.13	3.41	3.41	140.16	51.75	-151.00	164.95	157.18	7.77	21.231	
500.00	499.45	505.78	505.20	3.49	3.49	139.08	42.76	-151.67	169.18	161.25	7.94	21.315	
600.00	598.70	606.38	605.06	3.60	3.61	137.80	30.67	-152.58	175.28	167.11	8.16	21.468	
700.00	697.47	705.99	703.88	3.76	3.75	137.15	18.17	-153.52	183.87	175.42	8.45	21.755	
800.00	795.62	805.36	802.46	3.96	3.92	137.22	5.70	-154.46	195.01	186.22	8.80	22.171	
900.00	893.06	904.37	900.68	4.21	4.11	137.89	-6.73	-155.39	208.72	199.53	9.20	22.699	
1,000.00	989.96	1,003.08	998.61	4.50	4.31	138.99	-19.11	-156.32	224.16	214.52	9.64	23.254	
1,100.00	1,086.85	1,101.78	1,096.53	4.83	4.54	139.98	-31.50	-157.26	239.70	229.59	10.12	23.694	
1,200.00	1,183.75	1,200.49	1,194.45	5.19	4.77	140.86	-43.89	-158.19	255.31	244.68	10.62	24.030	
1,300.00	1,280.64	1,300.81	1,292.37	5.56	5.03	141.63	-56.28	-159.12	270.96	259.80	11.16	24.276	
1,400.00	1,377.53	1,402.10	1,390.29	5.95	5.29	142.32	-68.66	-160.05	286.66	274.94	11.72	24.452	
1,500.00	1,474.42	1,503.40	1,488.21	6.36	5.56	142.93	-81.05	-160.98	302.40	290.09	12.30	24.577	
1,600.00	1,571.32	1,604.70	1,586.13	6.78	5.85	143.49	-93.44	-161.91	318.16	305.26	12.90	24.664	
1,700.00	1,668.21	1,705.99	1,684.05	7.20	6.13	143.99	-105.83	-162.85	333.96	320.45	13.51	24.720	
1,800.00	1,765.10	1,807.29	1,781.97	7.64	6.42	144.45	-118.21	-163.78	349.77	335.65	14.12	24.771	
1,900.00	1,862.00	1,908.58	1,879.89	7.88	6.56	144.87	-130.60	-164.71	365.61	351.54	14.06	25.995	
2,000.00	1,958.89	2,009.88	1,977.81	7.94	6.60	145.25	-142.99	-165.64	381.46	367.34	14.12	27.019	
2,100.00	2,055.78	2,088.83	2,075.73	8.02	6.63	145.60	-155.37	-166.57	397.33	383.13	14.20	27.989	
2,200.00	2,152.67	2,187.53	2,173.65	8.13	6.69	145.93	-167.76	-167.50	413.21	398.89	14.31	28.867	
2,300.00	2,249.57	2,286.24	2,271.57	8.25	6.76	146.23	-180.15	-168.43	429.10	414.64	14.47	29.665	
2,400.00	2,346.46	2,384.94	2,369.49	8.39	6.85	146.51	-192.54	-169.37	445.01	430.36	14.65	30.380	
2,500.00	2,443.35	2,483.65	2,467.41	8.55	6.95	146.77	-204.92	-170.30	460.92	446.06	14.86	31.015	
2,600.00	2,540.25	2,582.35	2,565.33	8.72	7.06	147.01	-217.31	-171.23	476.84	461.74	15.10	31.573	
2,700.00	2,637.14	2,681.06	2,663.25	8.91	7.18	147.24	-229.70	-172.16	492.77	477.40	15.37	32.056	
2,800.00	2,734.03	2,779.76	2,761.17	9.12	7.32	147.45	-242.09	-173.09	508.71	493.04	15.67	32.469	
2,900.00	2,830.93	2,878.47	2,859.08	9.34	7.46	147.65	-254.47	-174.02	524.65	508.67	15.99	32.817	
3,000.00	2,927.82	2,977.17	2,957.00	9.57	7.62	147.84	-266.86	-174.95	540.60	524.27	16.33	33.105	
3,100.00	3,024.71	3,075.88	3,054.92	9.81	7.79	148.02	-279.25	-175.89	556.56	539.87	16.69	33.340	
3,200.00	3,121.60	3,174.58	3,152.84	10.07	7.96	148.19	-291.64	-176.82	572.52	555.44	17.08	33.526	
3,300.00	3,218.50	3,273.28	3,250.76	10.33	8.15	148.35	-304.02	-177.75	588.48	571.00	17.48	33.668	
3,400.00	3,315.39	3,371.99	3,348.68	10.61	8.34	148.50	-316.41	-178.68	604.45	586.55	17.90	33.771	
3,500.00	3,412.28	3,470.69	3,446.60	10.89	8.54	148.64	-328.80	-179.61	620.42	602.09	18.33	33.841	
3,600.00	3,509.18	3,569.40	3,544.52	11.18	8.74	148.77	-341.18	-180.54	636.40	617.62	18.78	33.880	
3,700.00	3,606.07	3,668.10	3,642.44	11.48	8.96	148.90	-353.57	-181.47	652.38	633.13	19.25	33.894	
3,800.00	3,702.96	3,766.81	3,740.36	11.78	9.17	149.02	-365.96	-182.41	668.36	648.64	19.72	33.886	
3,900.00	3,799.85	3,865.51	3,838.28	12.10	9.40	149.14	-378.35	-183.34	684.35	664.14	20.21	33.859	
4,000.00	3,896.75	3,964.22	3,936.20	12.41	9.63	149.25	-390.73	-184.27	700.34	679.62	20.71	33.815	
4,100.00	3,993.64	4,062.92	4,034.12	12.74	9.86	149.36	-403.12	-185.20	716.33	695.11	21.22	33.757	
4,200.00	4,090.53	4,161.63	4,132.04	13.07	10.10	149.46	-415.51	-186.13	732.32	710.58	21.74	33.687	
4,300.00	4,187.43	4,260.33	4,229.96	13.40	10.34	149.56	-427.90	-187.06	748.31	726.05	22.27	33.608	
4,400.00	4,284.32	4,359.04	4,327.88	13.74	10.59	149.65	-440.28	-188.00	764.31	741.51	22.80	33.521	
4,500.00	4,381.21	4,457.74	4,425.80	14.08	10.84	149.74	-452.67	-188.93	780.31	756.97	23.34	33.427	
4,600.00	4,478.11	4,556.45	4,523.72	14.42	11.09	149.83	-465.06	-189.86	796.31	772.42	23.89	33.327	
4,700.00	4,575.00	4,655.15	4,621.64	14.77	11.35	149.91	-477.44	-190.79	812.31	787.86	24.45	33.224	
4,800.00	4,671.89	4,753.85	4,719.56	15.12	11.61	149.99	-489.83	-191.72	828.32	803.30	25.01	33.117	
4,900.00	4,768.78	4,852.56	4,817.48	15.48	11.87	150.07	-502.22	-192.65	844.32	818.74	25.58	33.007	
5,000.00	4,865.68	4,951.26	4,915.40	15.84	12.14	150.14	-514.61	-193.58	860.33	834.18	26.15	32.896	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	4,962.57	5,049.97	5,013.32	16.20	12.40	150.21	-526.99	-194.52	876.34	849.61	26.73	32.783	
5,200.00	5,059.46	5,148.67	5,111.24	16.56	12.67	150.28	-539.38	-195.45	892.35	865.03	27.31	32.670	
5,300.00	5,156.36	5,247.38	5,209.16	16.92	12.95	150.35	-551.77	-196.38	908.36	880.46	27.90	32.557	
5,400.00	5,253.25	5,346.08	5,307.08	17.29	13.22	150.41	-564.16	-197.31	924.37	895.88	28.49	32.443	
5,500.00	5,350.14	5,444.79	5,405.00	17.66	13.49	150.47	-576.54	-198.24	940.38	911.29	29.09	32.331	
5,600.00	5,447.03	5,543.49	5,502.92	18.03	13.77	150.53	-588.93	-199.17	956.39	926.71	29.68	32.218	
5,700.00	5,543.93	5,642.20	5,600.84	18.41	14.05	150.59	-601.32	-200.10	972.41	942.12	30.29	32.107	
5,800.00	5,640.82	5,740.90	5,698.76	18.78	14.33	150.64	-613.70	-201.04	988.43	957.53	30.89	31.997	
5,900.00	5,737.71	5,839.61	5,796.68	19.16	14.61	150.70	-626.09	-201.97	1,004.44	972.94	31.50	31.888	
6,000.00	5,834.61	5,938.31	5,894.60	19.53	14.90	150.75	-638.48	-202.90	1,020.46	988.35	32.11	31.781	
6,100.00	5,931.50	6,037.02	5,992.52	19.91	15.18	150.80	-650.87	-203.83	1,036.48	1,003.75	32.72	31.675	
6,200.00	6,028.39	6,135.72	6,090.44	20.29	15.47	150.85	-663.25	-204.76	1,052.50	1,019.16	33.34	31.570	
6,300.00	6,125.29	6,234.43	6,188.36	20.68	15.75	150.90	-675.64	-205.69	1,068.52	1,034.56	33.96	31.467	
6,400.00	6,222.18	6,333.13	6,286.28	21.06	16.04	150.94	-688.03	-206.62	1,084.54	1,049.96	34.58	31.366	
6,500.00	6,319.07	6,431.83	6,384.20	21.44	16.33	150.99	-700.42	-207.56	1,100.56	1,065.36	35.20	31.267	
6,600.00	6,415.96	8,073.82	7,357.41	21.83	22.62	-160.39	-799.63	725.65	1,064.96	1,030.44	34.53	30.845	
6,700.00	6,512.86	8,085.64	7,357.43	22.21	22.74	-159.44	-799.33	737.47	991.75	956.04	35.71	27.773	
6,800.00	6,610.09	8,106.57	7,357.44	22.52	22.96	-179.16	-799.14	745.26	923.13	886.06	37.08	24.899	
6,900.00	6,707.39	8,086.18	7,357.43	22.74	22.75	151.45	-799.32	738.00	860.27	822.09	38.18	22.530	
7,000.00	6,802.45	8,063.43	7,357.40	22.92	22.52	135.44	-799.89	715.26	805.73	766.48	39.25	20.527	
7,100.00	6,892.94	8,025.75	7,357.34	23.04	22.15	127.00	-800.84	677.59	761.41	721.35	40.07	19.004	
7,200.00	6,976.61	7,974.06	7,357.27	23.13	21.65	121.06	-802.14	625.92	728.14	687.60	40.54	17.961	
7,300.00	7,051.42	7,909.65	7,357.19	23.17	21.08	115.81	-803.76	561.53	705.41	664.78	40.64	17.360	
7,400.00	7,115.52	7,834.09	7,357.08	23.17	20.48	110.89	-805.67	486.00	691.56	651.13	40.42	17.108	SF
7,500.00	7,167.33	7,744.22	7,356.23	23.13	19.87	106.22	-807.84	396.17	684.01	644.06	39.95	17.122	
7,600.00	7,205.58	7,645.42	7,343.81	23.07	19.37	101.60	-808.75	298.25	679.34	639.91	39.43	17.228	
7,700.00	7,229.32	7,554.36	7,319.19	22.98	19.06	97.51	-807.86	210.67	676.86	637.76	39.10	17.310	
7,773.90	7,237.18	7,490.97	7,294.85	22.90	18.90	94.81	-806.27	152.19	676.35	637.37	38.98	17.351	
7,800.00	7,237.96	7,469.25	7,285.20	22.87	18.86	93.92	-805.55	132.74	676.41	637.47	38.94	17.369	
7,900.00	7,237.88	7,391.78	7,245.55	22.79	18.70	90.56	-802.23	66.32	678.99	640.07	38.91	17.448	
8,000.00	7,237.75	7,325.28	7,205.36	22.77	18.57	87.19	-798.49	13.52	687.46	648.47	38.99	17.633	
8,100.00	7,237.62	7,268.76	7,167.07	23.00	18.45	84.02	-794.71	-27.86	703.42	664.28	39.13	17.974	
8,200.00	7,237.49	7,220.84	7,131.86	23.67	18.36	81.18	-791.08	-60.15	727.77	688.43	39.34	18.499	
8,300.00	7,237.36	7,180.12	7,100.13	24.57	18.27	78.68	-787.71	-85.43	760.76	721.16	39.61	19.209	
8,400.00	7,237.24	7,150.00	7,075.67	25.56	18.21	76.80	-785.07	-102.80	802.12	762.21	39.92	20.096	
8,500.00	7,237.11	7,115.53	7,046.71	26.63	18.14	74.62	-781.88	-121.21	851.12	810.97	40.15	21.197	
8,600.00	7,236.98	7,089.74	7,024.43	27.75	18.08	72.99	-779.39	-133.95	906.97	866.55	40.42	22.440	
8,700.00	7,236.85	7,067.29	7,004.63	28.93	18.03	71.58	-777.15	-144.29	968.75	928.09	40.66	23.825	
8,800.00	7,236.72	7,050.00	6,989.14	30.15	17.99	70.50	-775.38	-151.77	1,035.62	994.73	40.89	25.326	
8,900.00	7,236.60	7,030.28	6,971.24	31.42	17.95	69.27	-773.32	-159.78	1,106.77	1,065.71	41.07	26.950	
9,000.00	7,236.47	7,014.90	6,957.11	32.71	17.91	68.32	-771.69	-165.64	1,181.57	1,140.34	41.23	28.656	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-75.45	38.98	-150.17	155.15				
100.00	100.00	101.00	101.00	3.28	3.28	-75.45	38.98	-150.17	155.15	147.62	7.53	20.607	
200.00	200.00	201.01	201.01	3.31	3.31	-75.45	38.98	-150.17	155.15	147.57	7.57	20.484	
200.38	200.38	201.39	201.39	3.31	3.31	134.20	38.98	-150.17	155.15	147.57	7.57	20.483	CC, ES
300.00	299.98	302.03	302.01	3.35	3.35	134.00	37.16	-150.29	156.02	148.37	7.65	20.386	
400.00	399.84	402.99	402.82	3.41	3.41	133.42	31.80	-150.63	158.68	150.91	7.77	20.423	
500.00	499.45	503.83	503.26	3.49	3.49	132.52	22.91	-151.20	163.13	155.19	7.94	20.551	
600.00	598.70	604.47	603.13	3.60	3.61	131.34	10.53	-151.99	169.42	161.25	8.17	20.742	
700.00	697.47	704.46	701.94	3.76	3.76	130.11	-4.73	-152.96	177.63	169.17	8.47	20.984	
800.00	795.62	803.90	800.16	3.96	3.94	129.66	-20.28	-153.95	188.08	179.25	8.83	21.301	
900.00	893.06	903.08	898.11	4.21	4.14	129.98	-35.78	-154.94	200.74	191.49	9.26	21.686	
1,000.00	989.96	1,002.02	995.83	4.50	4.37	130.87	-51.24	-155.93	214.88	205.15	9.74	22.069	
1,100.00	1,086.85	1,100.95	1,093.54	4.83	4.61	131.68	-66.70	-156.91	229.10	218.85	10.26	22.338	
1,200.00	1,183.75	1,200.11	1,191.25	5.19	4.88	132.40	-82.16	-157.90	243.36	232.55	10.81	22.510	
1,300.00	1,280.64	1,301.18	1,288.97	5.56	5.16	133.04	-97.63	-158.89	257.65	246.25	11.40	22.601	
1,400.00	1,377.53	1,402.24	1,386.68	5.95	5.45	133.61	-113.09	-159.87	271.97	259.96	12.01	22.639	
1,500.00	1,474.42	1,503.31	1,484.40	6.36	5.75	134.13	-128.55	-160.86	286.31	273.67	12.65	22.638	
1,600.00	1,571.32	1,595.63	1,582.11	6.78	6.03	134.59	-144.01	-161.85	300.68	287.41	13.27	22.656	
1,700.00	1,668.21	1,694.56	1,679.83	7.20	6.34	135.01	-159.48	-162.83	315.06	301.13	13.93	22.618	
1,800.00	1,765.10	1,806.50	1,777.54	7.64	6.69	135.40	-174.94	-163.82	329.46	314.82	14.63	22.518	
1,900.00	1,862.00	1,907.57	1,875.25	7.88	6.85	135.76	-190.40	-164.80	343.87	329.26	14.61	23.536	
2,000.00	1,958.89	2,008.63	1,972.97	7.94	6.89	136.08	-205.86	-165.79	358.29	343.61	14.68	24.406	
2,100.00	2,055.78	2,109.70	2,070.68	8.02	6.95	136.38	-221.33	-166.78	372.72	357.93	14.79	25.206	
2,200.00	2,152.67	2,189.24	2,168.40	8.13	7.00	136.66	-236.79	-167.76	387.16	372.25	14.91	25.961	
2,300.00	2,249.57	2,288.17	2,266.11	8.25	7.08	136.92	-252.25	-168.75	401.61	386.53	15.09	26.622	
2,400.00	2,346.46	2,387.11	2,363.82	8.39	7.18	137.16	-267.71	-169.74	416.07	400.78	15.29	27.211	
2,500.00	2,443.35	2,486.04	2,461.54	8.55	7.29	137.38	-283.18	-170.72	430.54	415.01	15.53	27.728	
2,600.00	2,540.25	2,584.98	2,559.25	8.72	7.42	137.59	-298.64	-171.71	445.01	429.21	15.79	28.177	
2,700.00	2,637.14	2,683.91	2,656.97	8.91	7.56	137.79	-314.10	-172.70	459.48	443.39	16.09	28.561	
2,800.00	2,734.03	2,782.85	2,754.68	9.12	7.71	137.97	-329.56	-173.68	473.96	457.55	16.41	28.885	
2,900.00	2,830.93	2,881.78	2,852.39	9.34	7.87	138.14	-345.03	-174.67	488.45	471.69	16.76	29.152	
3,000.00	2,927.82	2,980.72	2,950.11	9.57	8.04	138.31	-360.49	-175.66	502.94	485.81	17.12	29.369	
3,100.00	3,024.71	3,079.65	3,047.82	9.81	8.22	138.46	-375.95	-176.64	517.43	499.91	17.52	29.540	
3,200.00	3,121.60	3,178.59	3,145.54	10.07	8.42	138.61	-391.41	-177.63	531.93	514.00	17.93	29.670	
3,300.00	3,218.50	3,277.52	3,243.25	10.33	8.62	138.75	-406.88	-178.62	546.43	528.07	18.36	29.764	
3,400.00	3,315.39	3,376.45	3,340.96	10.61	8.83	138.88	-422.34	-179.60	560.93	542.12	18.81	29.825	
3,500.00	3,412.28	3,475.39	3,438.68	10.89	9.04	139.00	-437.80	-180.59	575.43	556.16	19.27	29.859	
3,600.00	3,509.18	3,574.32	3,536.39	11.18	9.27	139.12	-453.26	-181.57	589.94	570.19	19.75	29.868	
3,700.00	3,606.07	3,673.26	3,634.11	11.48	9.50	139.23	-468.73	-182.56	604.45	584.21	20.25	29.857	
3,800.00	3,702.96	3,772.19	3,731.82	11.78	9.73	139.34	-484.19	-183.55	618.97	598.21	20.75	29.827	
3,900.00	3,799.85	3,871.13	3,829.54	12.10	9.98	139.44	-499.65	-184.53	633.48	612.21	21.27	29.782	
4,000.00	3,896.75	3,970.06	3,927.25	12.41	10.22	139.54	-515.11	-185.52	648.00	626.20	21.80	29.725	
4,100.00	3,993.64	4,069.00	4,024.96	12.74	10.48	139.63	-530.58	-186.51	662.51	640.17	22.34	29.656	
4,200.00	4,090.53	4,167.93	4,122.68	13.07	10.73	139.72	-546.04	-187.49	677.03	654.15	22.89	29.579	
4,300.00	4,187.43	4,266.87	4,220.39	13.40	11.00	139.81	-561.50	-188.48	691.56	668.11	23.45	29.494	
4,400.00	4,284.32	4,365.80	4,318.11	13.74	11.26	139.89	-576.96	-189.47	706.08	682.06	24.01	29.403	
4,500.00	4,381.21	4,464.74	4,415.82	14.08	11.53	139.97	-592.42	-190.45	720.60	696.02	24.59	29.307	
4,600.00	4,478.11	4,563.67	4,513.53	14.42	11.80	140.04	-607.89	-191.44	735.13	709.96	25.17	29.208	
4,700.00	4,575.00	4,662.61	4,611.25	14.77	12.08	140.12	-623.35	-192.43	749.66	723.90	25.76	29.105	
4,800.00	4,671.89	4,761.54	4,708.96	15.12	12.36	140.19	-638.81	-193.41	764.18	737.83	26.35	29.001	
4,900.00	4,768.78	4,860.48	4,806.68	15.48	12.64	140.25	-654.27	-194.40	778.71	751.76	26.95	28.895	
5,000.00	4,865.68	4,959.41	4,904.39	15.84	12.92	140.32	-669.74	-195.38	793.24	765.69	27.55	28.788	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	4,962.57	5,058.35	5,002.10	16.20	13.21	140.38	-685.20	-196.37	807.77	779.61	28.16	28.681	
5,200.00	5,059.46	5,157.28	5,099.82	16.56	13.50	140.44	-700.66	-197.36	822.30	793.53	28.78	28.573	
5,300.00	5,156.36	5,256.22	5,197.53	16.92	13.79	140.50	-716.12	-198.34	836.84	807.44	29.40	28.466	
5,400.00	5,253.25	5,355.15	5,295.25	17.29	14.08	140.56	-731.59	-199.33	851.37	821.35	30.02	28.359	
5,500.00	5,350.14	5,454.09	5,392.96	17.66	14.38	140.61	-747.05	-200.32	865.90	835.26	30.65	28.254	
5,600.00	5,447.03	5,553.02	5,490.67	18.03	14.68	140.66	-762.51	-201.30	880.44	849.16	31.28	28.149	
5,700.00	5,543.93	5,651.96	5,588.39	18.41	14.97	140.71	-777.97	-202.29	894.98	863.06	31.91	28.045	
5,800.00	5,640.82	5,750.89	5,686.10	18.78	15.27	140.76	-793.44	-203.28	909.51	876.96	32.55	27.943	
5,900.00	5,737.71	5,849.83	5,783.82	19.16	15.58	140.81	-808.90	-204.26	924.05	890.86	33.19	27.842	
6,000.00	5,834.61	5,948.76	5,881.53	19.53	15.88	140.86	-824.36	-205.25	938.59	904.76	33.83	27.743	
6,100.00	5,931.50	6,047.70	5,979.25	19.91	16.18	140.90	-839.82	-206.24	953.12	918.65	34.48	27.645	
6,200.00	6,028.39	6,146.63	6,076.96	20.29	16.49	140.95	-855.29	-207.22	967.66	932.54	35.12	27.549	
6,300.00	6,125.29	6,245.57	6,174.67	20.68	16.79	140.99	-870.75	-208.21	982.20	946.43	35.78	27.455	
6,400.00	6,222.18	7,907.68	7,159.70	21.06	23.14	-165.31	-1,023.52	711.99	964.99	933.86	31.13	31.002	
6,500.00	6,319.07	7,904.73	7,159.74	21.44	23.11	-163.76	-1,023.48	724.41	877.29	845.33	31.97	27.444	
6,600.00	6,415.96	7,917.15	7,159.77	21.83	23.23	-162.19	-1,023.44	736.83	792.32	759.24	33.08	23.954	
6,700.00	6,512.86	7,929.57	7,159.80	22.21	23.36	-160.60	-1,023.41	749.24	711.05	676.63	34.42	20.656	
6,800.00	6,610.09	7,937.96	7,159.82	22.52	23.44	-178.37	-1,023.38	757.63	634.63	598.62	36.02	17.621	
6,900.00	6,707.39	7,931.29	7,159.80	22.74	23.38	153.34	-1,023.40	750.96	565.35	527.59	37.76	14.973	
7,000.00	6,802.45	7,909.11	7,159.75	22.92	23.15	136.85	-1,023.47	728.79	507.45	467.95	39.50	12.848	
7,100.00	6,892.94	7,871.97	7,159.65	23.04	22.79	126.59	-1,023.58	691.65	464.68	423.76	40.92	11.355	
7,200.00	6,976.61	7,820.78	7,159.52	23.13	22.32	117.70	-1,023.73	640.45	438.99	397.34	41.65	10.540	
7,300.00	7,051.42	7,756.80	7,159.36	23.17	21.77	108.72	-1,023.92	576.47	429.35	387.85	41.50	10.345	SF
7,323.74	7,067.67	7,739.90	7,159.32	23.17	21.63	106.57	-1,023.96	559.58	429.03	387.67	41.36	10.374	
7,400.00	7,115.52	7,681.61	7,159.17	23.17	21.19	99.78	-1,024.14	501.28	431.80	391.14	40.66	10.619	
7,500.00	7,167.33	7,610.71	7,158.96	23.13	20.72	91.72	-1,024.38	416.73	440.89	401.24	39.64	11.121	
7,600.00	7,205.58	7,521.05	7,153.45	23.07	20.25	85.41	-1,023.77	340.97	453.11	414.41	38.69	11.710	
7,700.00	7,229.32	7,447.23	7,139.64	22.98	19.96	79.97	-1,021.82	268.52	467.36	429.31	38.05	12.283	
7,800.00	7,237.96	7,375.69	7,118.45	22.87	19.74	75.45	-1,018.70	200.30	482.34	444.67	37.67	12.804	
7,900.00	7,237.88	7,307.92	7,091.52	22.79	19.57	72.43	-1,014.64	138.29	500.24	462.74	37.50	13.339	
8,000.00	7,237.75	7,250.00	7,063.45	22.77	19.44	69.52	-1,010.37	87.82	525.63	488.09	37.55	14.000	
8,100.00	7,237.62	7,192.02	7,030.94	23.00	19.31	66.35	-1,005.39	40.10	559.01	521.39	37.62	14.860	
8,200.00	7,237.49	7,150.00	7,004.77	23.67	19.22	63.95	-1,001.36	7.48	600.46	562.45	38.00	15.801	
8,300.00	7,237.36	7,100.00	6,970.94	24.57	19.11	61.04	-996.13	-28.95	649.34	611.10	38.24	16.982	
8,400.00	7,237.24	7,063.39	6,944.43	25.56	19.03	58.90	-992.02	-53.86	705.10	666.43	38.66	18.236	
8,500.00	7,237.11	7,030.25	6,919.26	26.63	18.96	57.00	-988.10	-75.05	766.81	727.73	39.08	19.619	
8,600.00	7,236.98	7,000.00	6,895.36	27.75	18.89	55.28	-984.38	-93.21	833.65	794.16	39.49	21.111	
8,700.00	7,236.85	6,974.99	6,874.97	28.93	18.83	53.90	-981.21	-107.34	904.83	864.95	39.88	22.688	
8,800.00	7,236.72	6,950.00	6,854.07	30.15	18.77	52.54	-977.94	-120.64	979.68	939.47	40.21	24.365	
8,900.00	7,236.60	6,931.24	6,838.05	31.42	18.73	51.54	-975.44	-130.07	1,057.61	1,017.08	40.53	26.093	
9,000.00	7,236.47	6,900.00	6,810.79	32.71	18.65	49.93	-971.17	-144.71	1,138.34	1,097.60	40.74	27.944	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	1.00	1.00	3.28	3.28	-82.81	18.94	-150.17	151.36				
100.00	100.00	101.00	101.00	3.28	3.28	-82.81	18.94	-150.17	151.36	143.83	7.53	20.104	
200.00	200.00	201.00	201.00	3.31	3.31	-82.81	18.94	-150.17	151.36	143.79	7.57	19.984	
200.14	200.14	201.14	201.14	3.31	3.31	-82.81	18.94	-150.17	151.36	143.79	7.57	19.984	CC, ES
300.00	299.98	301.37	301.35	3.35	3.35	126.68	17.15	-150.27	152.28	144.63	7.65	19.897	
400.00	399.84	401.68	401.51	3.41	3.41	126.24	11.86	-150.56	155.05	147.28	7.77	19.957	
500.00	499.45	501.87	501.31	3.49	3.49	125.54	3.08	-151.03	159.67	151.74	7.94	20.116	
600.00	598.70	601.88	600.56	3.60	3.60	124.63	-9.16	-151.69	166.17	158.00	8.17	20.344	
700.00	697.47	701.66	699.10	3.76	3.75	123.55	-24.80	-152.54	174.56	166.09	8.47	20.611	
800.00	795.62	801.13	796.88	3.96	3.94	122.61	-43.05	-153.53	184.85	176.00	8.85	20.892	
900.00	893.06	900.38	894.40	4.21	4.16	122.52	-61.46	-154.53	197.02	187.72	9.30	21.186	
1,000.00	989.96	1,000.54	991.76	4.50	4.41	123.11	-79.82	-155.52	210.41	200.60	9.82	21.435	
1,100.00	1,086.85	1,101.47	1,089.10	4.83	4.68	123.67	-98.19	-156.52	223.85	213.47	10.38	21.564	
1,200.00	1,183.75	1,197.60	1,186.45	5.19	4.96	124.17	-116.56	-157.51	237.31	226.34	10.97	21.630	
1,300.00	1,280.64	1,303.33	1,283.80	5.56	5.28	124.62	-134.92	-158.51	250.78	239.16	11.62	21.576	
1,400.00	1,377.53	1,404.26	1,381.15	5.95	5.60	125.02	-153.29	-159.50	264.27	251.98	12.29	21.505	
1,500.00	1,474.42	1,505.19	1,478.50	6.36	5.93	125.38	-171.66	-160.50	277.76	264.79	12.98	21.406	
1,600.00	1,571.32	1,606.12	1,575.84	6.78	6.27	125.71	-190.03	-161.49	291.27	277.59	13.68	21.288	
1,700.00	1,668.21	1,707.05	1,673.19	7.20	6.61	126.00	-208.39	-162.48	304.79	290.38	14.40	21.159	
1,800.00	1,765.10	1,807.98	1,770.54	7.64	6.95	126.28	-226.76	-163.48	318.31	303.18	15.13	21.042	
1,900.00	1,862.00	1,908.91	1,867.89	7.88	7.13	126.53	-245.13	-164.47	331.84	316.70	15.14	21.917	
2,000.00	1,958.89	2,009.84	1,965.24	7.94	7.18	126.76	-263.49	-165.47	345.38	330.15	15.23	22.677	
2,100.00	2,055.78	2,089.23	2,062.58	8.02	7.23	126.97	-281.86	-166.46	358.92	343.57	15.34	23.394	
2,200.00	2,152.67	2,188.30	2,159.93	8.13	7.31	127.17	-300.23	-167.46	372.46	356.96	15.50	24.027	
2,300.00	2,249.57	2,287.37	2,257.28	8.25	7.40	127.35	-318.60	-168.45	386.01	370.31	15.70	24.592	
2,400.00	2,346.46	2,386.45	2,354.63	8.39	7.51	127.53	-336.96	-169.45	399.56	383.64	15.93	25.089	
2,500.00	2,443.35	2,485.52	2,451.97	8.55	7.63	127.69	-355.33	-170.44	413.12	396.93	16.19	25.521	
2,600.00	2,540.25	2,584.59	2,549.32	8.72	7.77	127.84	-373.70	-171.44	426.68	410.20	16.48	25.891	
2,700.00	2,637.14	2,683.66	2,646.67	8.91	7.93	127.98	-392.06	-172.43	440.24	423.44	16.80	26.202	
2,800.00	2,734.03	2,782.73	2,744.02	9.12	8.09	128.11	-410.43	-173.43	453.80	436.65	17.15	26.460	
2,900.00	2,830.93	2,881.80	2,841.37	9.34	8.27	128.24	-428.80	-174.42	467.37	449.85	17.53	26.668	
3,000.00	2,927.82	2,980.87	2,938.71	9.57	8.46	128.35	-447.17	-175.42	480.94	463.02	17.92	26.831	
3,100.00	3,024.71	3,079.94	3,036.06	9.81	8.66	128.47	-465.53	-176.41	494.51	476.16	18.35	26.954	
3,200.00	3,121.60	3,179.01	3,133.41	10.07	8.87	128.57	-483.90	-177.41	508.08	489.29	18.79	27.042	
3,300.00	3,218.50	3,278.08	3,230.76	10.33	9.09	128.67	-502.27	-178.40	521.66	502.41	19.25	27.099	
3,400.00	3,315.39	3,377.15	3,328.11	10.61	9.31	128.77	-520.63	-179.40	535.23	515.50	19.73	27.128	
3,500.00	3,412.28	3,476.22	3,425.45	10.89	9.55	128.86	-539.00	-180.39	548.81	528.58	20.23	27.134	
3,600.00	3,509.18	3,575.29	3,522.80	11.18	9.79	128.94	-557.37	-181.39	562.39	541.65	20.74	27.119	
3,700.00	3,606.07	3,674.36	3,620.15	11.48	10.04	129.02	-575.74	-182.38	575.97	554.70	21.26	27.087	
3,800.00	3,702.96	3,773.43	3,717.50	11.78	10.30	129.10	-594.10	-183.38	589.55	567.74	21.80	27.040	
3,900.00	3,799.85	3,872.50	3,814.85	12.10	10.56	129.18	-612.47	-184.37	603.13	580.77	22.35	26.981	
4,000.00	3,896.75	3,971.57	3,912.19	12.41	10.82	129.25	-630.84	-185.37	616.71	593.79	22.92	26.912	
4,100.00	3,993.64	4,070.64	4,009.54	12.74	11.10	129.31	-649.21	-186.36	630.29	606.80	23.49	26.833	
4,200.00	4,090.53	4,169.71	4,106.89	13.07	11.37	129.38	-667.57	-187.36	643.88	619.80	24.07	26.748	
4,300.00	4,187.43	4,268.78	4,204.24	13.40	11.66	129.44	-685.94	-188.35	657.46	632.80	24.66	26.657	
4,400.00	4,284.32	4,367.85	4,301.59	13.74	11.94	129.50	-704.31	-189.35	671.05	645.78	25.26	26.562	
4,500.00	4,381.21	4,466.93	4,398.93	14.08	12.23	129.56	-722.67	-190.34	684.63	658.76	25.87	26.463	
4,600.00	4,478.11	4,566.00	4,496.28	14.42	12.52	129.62	-741.04	-191.34	698.22	671.73	26.49	26.362	
4,700.00	4,575.00	4,665.07	4,593.63	14.77	12.82	129.67	-759.41	-192.33	711.81	684.70	27.11	26.259	
4,800.00	4,671.89	4,764.14	4,690.98	15.12	13.12	129.72	-777.78	-193.33	725.40	697.66	27.74	26.154	
4,900.00	4,768.78	4,863.21	4,788.32	15.48	13.42	129.77	-796.14	-194.32	738.98	710.62	28.37	26.049	
5,000.00	4,865.68	4,962.28	4,885.67	15.84	13.72	129.82	-814.51	-195.31	752.57	723.57	29.01	25.944	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-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	4,962.57	5,061.35	4,983.02	16.20	14.03	129.86	-832.88	-196.31	766.16	736.51	29.65	25.838	
5,200.00	5,059.46	5,160.42	5,080.37	16.56	14.34	129.91	-851.24	-197.30	779.75	749.45	30.30	25.734	
5,300.00	5,156.36	5,259.49	5,177.72	16.92	14.65	129.95	-869.61	-198.30	793.34	762.39	30.95	25.630	
5,400.00	5,253.25	5,358.56	5,275.06	17.29	14.97	129.99	-887.98	-199.29	806.93	775.32	31.61	25.526	
5,500.00	5,350.14	5,457.63	5,372.41	17.66	15.28	130.03	-906.35	-200.29	820.53	788.25	32.27	25.424	
5,600.00	5,447.03	5,556.70	5,469.76	18.03	15.60	130.07	-924.71	-201.28	834.12	801.18	32.94	25.324	
5,700.00	5,543.93	5,655.77	5,567.11	18.41	15.92	130.11	-943.08	-202.28	847.71	814.10	33.61	25.225	
5,800.00	5,640.82	5,754.84	5,664.46	18.78	16.24	130.14	-961.45	-203.27	861.30	827.02	34.28	25.127	
5,900.00	5,737.71	5,853.91	5,761.80	19.16	16.56	130.18	-979.81	-204.27	874.89	839.94	34.95	25.031	
6,000.00	5,834.61	5,952.98	5,859.15	19.53	16.88	130.21	-998.18	-205.26	888.49	852.86	35.63	24.936	
6,100.00	5,931.50	6,052.05	5,956.50	19.91	17.21	130.25	-1,016.55	-206.26	902.08	865.77	36.31	24.843	
6,200.00	6,028.39	6,151.12	6,053.85	20.29	17.53	130.28	-1,034.92	-207.25	915.67	878.68	36.99	24.752	
6,300.00	6,125.29	6,250.19	6,151.20	20.68	17.86	130.31	-1,053.28	-208.25	929.27	891.59	37.68	24.663	
6,400.00	6,222.18	6,349.26	6,248.54	21.06	18.19	130.34	-1,071.65	-209.24	942.86	904.50	38.37	24.575	
6,500.00	6,319.07	8,008.75	7,229.84	21.44	24.16	-176.49	-1,240.03	724.11	910.55	880.57	29.98	30.372	
6,600.00	6,415.96	8,020.88	7,229.87	21.83	24.28	-174.01	-1,239.83	736.24	815.07	784.50	30.58	26.655	
6,700.00	6,512.86	8,033.01	7,229.90	22.21	24.39	-171.45	-1,239.62	748.37	720.62	689.33	31.29	23.029	
6,800.00	6,610.09	8,041.11	7,229.93	22.52	24.46	-179.70	-1,239.48	756.47	627.32	595.16	32.16	19.508	
6,900.00	6,707.39	8,034.16	7,229.91	22.74	24.40	162.50	-1,239.60	749.52	536.11	502.92	33.19	16.154	
7,000.00	6,802.45	8,011.71	7,229.84	22.92	24.19	152.03	-1,239.98	727.07	450.32	415.84	34.48	13.060	
7,100.00	6,892.94	7,974.31	7,229.74	23.04	23.86	144.98	-1,240.63	689.67	373.80	337.65	36.15	10.340	
7,200.00	6,976.61	7,922.88	7,229.60	23.13	23.43	137.58	-1,241.52	638.26	310.71	272.54	38.17	8.141	
7,300.00	7,051.42	7,858.70	7,229.42	23.17	22.95	128.47	-1,242.62	574.08	264.94	224.80	40.14	6.600	
7,400.00	7,115.52	7,783.33	7,229.21	23.17	22.45	117.57	-1,243.92	498.72	238.27	196.97	41.29	5.770	
7,500.00	7,167.33	7,698.33	7,228.89	23.13	22.00	106.08	-1,245.37	413.74	228.03	186.83	41.20	5.535	SF
7,544.54	7,186.10	7,658.58	7,226.93	23.10	21.83	100.98	-1,245.71	374.04	227.11	186.24	40.87	5.557	
7,600.00	7,205.58	7,610.62	7,221.34	23.07	21.64	94.82	-1,245.50	326.42	228.48	188.16	40.32	5.666	
7,700.00	7,229.32	7,527.79	7,203.44	22.98	21.39	84.51	-1,243.56	245.63	237.15	197.91	39.24	6.043	
7,800.00	7,237.96	7,448.76	7,176.91	22.87	21.19	75.62	-1,239.88	171.34	251.83	213.46	38.37	6.563	
7,900.00	7,237.88	7,375.19	7,144.27	22.79	21.02	68.90	-1,234.89	105.64	273.66	235.79	37.88	7.225	
8,000.00	7,237.75	7,310.21	7,109.41	22.77	20.88	62.71	-1,229.29	51.11	307.13	269.36	37.77	8.131	
8,100.00	7,237.62	7,250.00	7,072.41	23.00	20.75	57.07	-1,223.15	4.04	352.00	314.06	37.94	9.278	
8,200.00	7,237.49	7,200.00	7,038.49	23.67	20.64	52.67	-1,217.40	-32.21	406.77	368.29	38.48	10.571	
8,300.00	7,237.36	7,161.86	7,010.79	24.57	20.55	49.55	-1,212.64	-57.99	469.60	430.35	39.25	11.965	
8,400.00	7,237.24	7,125.01	6,982.64	25.56	20.47	46.75	-1,207.75	-81.26	538.90	499.02	39.88	13.514	
8,500.00	7,237.11	7,100.00	6,962.81	26.63	20.41	44.98	-1,204.27	-96.09	613.35	572.79	40.56	15.120	
8,600.00	7,236.98	7,064.99	6,934.12	27.75	20.32	42.67	-1,199.21	-115.49	691.65	650.70	40.95	16.891	
8,700.00	7,236.85	7,050.00	6,921.52	28.93	20.29	41.74	-1,196.98	-123.31	773.34	731.86	41.47	18.646	
8,800.00	7,236.72	7,018.78	6,894.74	30.15	20.21	39.91	-1,192.20	-138.61	857.33	815.60	41.73	20.544	
8,900.00	7,236.60	7,000.00	6,878.28	31.42	20.17	38.88	-1,189.25	-147.16	943.54	901.50	42.04	22.443	
9,000.00	7,236.47	6,982.46	6,862.69	32.71	20.12	37.97	-1,186.44	-154.70	1,031.45	989.15	42.30	24.384	
9,100.00	7,236.34	6,967.13	6,848.91	34.04	20.08	37.21	-1,183.96	-160.93	1,120.79	1,078.27	42.52	26.357	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - HOMYAK 2 - XOG SI Well - No Surveys

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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
9,800.00	7,235.44	7,265.44	7,265.44	43.97	255.68	90.25	-1,146.98	-2,995.21	1,172.21	888.18	284.02	4.127	
9,900.00	7,235.31	7,265.31	7,265.31	45.46	255.68	90.23	-1,146.98	-2,995.21	1,076.55	791.62	284.93	3.778	
10,000.00	7,235.18	7,265.18	7,265.18	46.95	255.67	90.21	-1,146.98	-2,995.21	981.77	695.71	286.06	3.432	
10,100.00	7,235.06	7,265.06	7,265.06	48.46	255.67	90.19	-1,146.98	-2,995.21	888.12	600.67	287.46	3.090	
10,200.00	7,234.93	7,264.93	7,264.93	49.98	255.66	90.16	-1,146.98	-2,995.21	796.03	506.80	289.23	2.752	
10,300.00	7,234.80	7,264.80	7,264.80	51.51	255.66	90.14	-1,146.98	-2,995.21	706.09	414.59	291.49	2.422	
10,400.00	7,234.67	7,264.67	7,264.67	53.04	255.65	90.12	-1,146.98	-2,995.21	619.24	324.82	294.42	2.103	
10,500.00	7,234.54	7,264.54	7,264.54	54.59	255.65	90.10	-1,146.98	-2,995.21	536.99	238.78	298.20	1.801	
10,600.00	7,234.41	7,264.41	7,264.41	56.14	255.64	90.07	-1,146.98	-2,995.21	461.79	158.81	302.99	1.524	
10,700.00	7,234.29	7,264.29	7,264.29	57.69	255.64	90.05	-1,146.98	-2,995.21	397.68	89.07	308.61	1.289	Level 3
10,800.00	7,234.16	7,264.16	7,264.16	59.26	255.64	90.03	-1,146.98	-2,995.21	350.78	36.74	314.04	1.117	Level 2
10,900.00	7,234.03	7,264.03	7,264.03	60.83	255.63	90.01	-1,146.98	-2,995.21	328.55	11.57	316.98	1.036	Level 2
10,925.51	7,234.00	7,264.00	7,264.00	61.23	255.63	90.00	-1,146.98	-2,995.21	327.56	10.52	317.04	1.033	Level 2, CC, ES, SF
11,000.00	7,233.90	7,263.90	7,263.90	62.40	255.63	89.98	-1,146.98	-2,995.21	335.92	20.50	315.43	1.065	Level 2
11,100.00	7,233.77	7,263.77	7,263.77	63.98	255.62	89.96	-1,146.98	-2,995.21	371.14	60.86	310.28	1.196	Level 2
11,200.00	7,233.64	7,263.64	7,263.64	65.56	255.62	89.94	-1,146.98	-2,995.21	427.36	123.21	304.16	1.405	Level 3
11,300.00	7,233.52	7,263.52	7,263.52	67.15	255.61	89.92	-1,146.98	-2,995.21	497.53	198.81	298.72	1.666	
11,400.00	7,233.39	7,263.39	7,263.39	68.74	255.61	89.89	-1,146.98	-2,995.21	576.57	282.16	294.42	1.958	
11,500.00	7,233.26	7,263.26	7,263.26	70.34	255.60	89.87	-1,146.98	-2,995.21	661.31	370.16	291.15	2.271	
11,600.00	7,233.13	7,263.13	7,263.13	71.93	255.60	89.85	-1,146.98	-2,995.21	749.82	461.13	288.69	2.597	
11,700.00	7,233.00	7,263.00	7,263.00	73.54	255.59	89.83	-1,146.98	-2,995.21	840.91	554.07	286.84	2.932	
11,800.00	7,232.87	7,262.87	7,262.87	75.14	255.59	89.80	-1,146.98	-2,995.21	933.82	648.39	285.44	3.272	
11,900.00	7,232.75	7,262.75	7,262.75	76.75	255.59	89.78	-1,146.98	-2,995.21	1,028.07	743.70	284.36	3.615	
12,000.00	7,232.62	7,262.62	7,262.62	78.36	255.58	89.76	-1,146.98	-2,995.21	1,123.31	839.77	283.53	3.962	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - LUNDVALL 3 - Noble PR Well - No Surveys

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	7,230.18	7,285.18	7,285.18	109.29	256.38	90.22	-1,106.08	-7,071.47	1,159.43	855.41	304.02	3.814	
14,000.00	7,230.05	7,285.05	7,285.05	110.94	256.38	90.20	-1,106.08	-7,071.47	1,064.85	757.82	307.03	3.468	
14,100.00	7,229.92	7,284.92	7,284.92	112.58	256.37	90.18	-1,106.08	-7,071.47	971.36	660.72	310.64	3.127	
14,200.00	7,229.80	7,284.80	7,284.80	114.22	256.37	90.16	-1,106.08	-7,071.47	879.30	564.30	315.00	2.791	
14,300.00	7,229.67	7,284.67	7,284.67	115.86	256.36	90.14	-1,106.08	-7,071.47	789.18	468.83	320.34	2.464	
14,400.00	7,229.54	7,284.54	7,284.54	117.51	256.36	90.12	-1,106.08	-7,071.47	701.74	374.81	326.92	2.146	
14,500.00	7,229.41	7,284.41	7,284.41	119.15	256.35	90.10	-1,106.08	-7,071.47	618.11	283.07	335.05	1.845	
14,600.00	7,229.28	7,284.28	7,284.28	120.80	256.35	90.08	-1,106.08	-7,071.47	540.09	195.09	345.00	1.565	
14,700.00	7,229.15	7,284.15	7,284.15	122.45	256.34	90.06	-1,106.08	-7,071.47	470.45	113.71	356.74	1.319	Level 3
14,800.00	7,229.03	7,284.03	7,284.03	124.09	256.34	90.04	-1,106.08	-7,071.47	413.47	44.15	369.32	1.120	Level 2
14,900.00	7,228.90	7,283.90	7,283.90	125.74	256.34	90.02	-1,106.08	-7,071.47	374.95	-4.97	379.92	0.987	Level 1
15,000.00	7,228.77	7,283.77	7,283.77	127.39	256.33	90.00	-1,106.08	-7,071.47	360.86	-23.25	384.11	0.939	Level 1, ES, SF
15,001.85	7,228.77	7,283.77	7,283.77	127.42	256.33	90.00	-1,106.08	-7,071.47	360.86	-23.25	384.11	0.939	Level 1, CC
15,100.00	7,228.64	7,283.64	7,283.64	129.04	256.33	89.98	-1,106.08	-7,071.47	373.97	-5.48	379.44	0.986	Level 1
15,200.00	7,228.51	7,283.51	7,283.51	130.69	256.32	89.96	-1,106.08	-7,071.47	411.68	43.31	368.38	1.118	Level 2
15,300.00	7,228.38	7,283.38	7,283.38	132.34	256.32	89.94	-1,106.08	-7,071.47	468.10	112.70	355.40	1.317	Level 3
15,400.00	7,228.26	7,283.26	7,283.26	133.99	256.31	89.92	-1,106.08	-7,071.47	537.35	193.97	343.37	1.565	
15,500.00	7,228.13	7,283.13	7,283.13	135.64	256.31	89.90	-1,106.08	-7,071.47	615.12	281.85	333.27	1.846	
15,598.93	7,228.00	7,283.00	7,283.00	137.27	256.30	89.88	-1,106.08	-7,071.47	697.66	372.49	325.17	2.146	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - LUNDVALL 30-11H6 - 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
13,500.00	7,230.69	7,257.69	7,257.69	102.74	255.41	-90.02	-2,588.33	-5,927.24	1,174.16	822.41	351.76	3.338	
13,600.00	7,230.56	7,257.56	7,257.56	104.38	255.40	-90.02	-2,588.33	-5,927.24	1,147.91	791.88	356.03	3.224	
13,700.00	7,230.44	7,257.44	7,257.44	106.02	255.40	-90.01	-2,588.33	-5,927.24	1,129.92	770.13	359.79	3.140	
13,800.00	7,230.31	7,257.31	7,257.31	107.65	255.39	-90.00	-2,588.33	-5,927.24	1,120.60	757.71	362.89	3.088	
13,854.85	7,230.24	7,257.24	7,257.24	108.55	255.39	-90.00	-2,588.33	-5,927.24	1,119.26	754.99	364.27	3.073	CC
13,900.00	7,230.18	7,257.18	7,257.18	109.29	255.39	-90.00	-2,588.33	-5,927.24	1,120.17	754.95	365.22	3.067	ES, SF
14,000.00	7,230.05	7,257.05	7,257.05	110.94	255.38	-89.99	-2,588.33	-5,927.24	1,128.63	761.92	366.72	3.078	
14,100.00	7,229.92	7,256.92	7,256.92	112.58	255.38	-89.98	-2,588.33	-5,927.24	1,145.79	778.41	367.38	3.119	
14,200.00	7,229.80	7,256.80	7,256.80	114.22	255.38	-89.98	-2,588.33	-5,927.24	1,171.27	804.00	367.27	3.189	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - LUNDVALL J 30-19 - Noble PR Well - Actual Ensign Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448, 1023-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
13,700.00	7,230.44	7,445.15	7,334.43	106.02	42.97	90.05	-483.30	-6,404.95	1,172.65	1,035.68	136.97	8.562	
13,800.00	7,230.31	7,445.94	7,335.21	107.65	42.97	90.09	-483.30	-6,404.96	1,121.52	979.95	141.57	7.922	
13,900.00	7,230.18	7,446.72	7,336.00	109.29	42.97	90.14	-483.31	-6,404.96	1,077.27	931.31	145.95	7.381	
14,000.00	7,230.05	7,447.49	7,336.77	110.94	42.97	90.18	-483.31	-6,404.97	1,040.77	890.86	149.91	6.943	
14,100.00	7,229.92	7,448.26	7,337.54	112.58	42.97	90.23	-483.32	-6,404.98	1,012.87	859.66	153.21	6.611	
14,200.00	7,229.80	7,449.03	7,338.31	114.22	42.98	90.27	-483.32	-6,404.98	994.28	838.65	155.64	6.388	
14,300.00	7,229.67	7,449.79	7,339.07	115.86	42.98	90.32	-483.32	-6,404.99	985.54	828.52	157.03	6.276	
14,336.52	7,229.62	7,450.07	7,339.35	116.46	42.98	90.33	-483.33	-6,404.99	984.87	827.61	157.25	6.263	CC, ES, SF
14,400.00	7,229.54	7,450.55	7,339.83	117.51	42.98	90.36	-483.33	-6,405.00	986.91	829.62	157.29	6.275	
14,500.00	7,229.41	7,451.31	7,340.58	119.15	42.98	90.41	-483.33	-6,405.00	998.34	841.90	156.44	6.382	
14,600.00	7,229.28	7,452.06	7,341.34	120.80	42.98	90.45	-483.34	-6,405.01	1,019.50	864.91	154.59	6.595	
14,700.00	7,229.15	7,452.81	7,342.08	122.45	42.98	90.49	-483.34	-6,405.02	1,049.80	897.86	151.93	6.910	
14,800.00	7,229.03	7,453.55	7,342.83	124.09	42.98	90.54	-483.35	-6,405.02	1,088.47	939.79	148.68	7.321	
14,900.00	7,228.90	7,454.29	7,343.57	125.74	42.98	90.58	-483.35	-6,405.03	1,134.66	989.62	145.04	7.823	
15,000.00	7,228.77	7,455.03	7,344.31	127.39	42.98	90.62	-483.35	-6,405.04	1,187.49	1,046.29	141.20	8.410	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - MOSSBERG PMJ 30-10 - Noble PR Well - No Surveys

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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
11,700.00	7,233.00	7,253.00	7,253.00	73.54	255.24	-90.05	-2,414.15	-4,436.20	1,152.82	839.58	313.24	3.680	
11,800.00	7,232.87	7,252.87	7,252.87	75.14	255.24	-90.04	-2,414.15	-4,436.20	1,098.26	780.66	317.60	3.458	
11,900.00	7,232.75	7,252.75	7,252.75	76.75	255.23	-90.04	-2,414.15	-4,436.20	1,050.40	728.31	322.09	3.261	
12,000.00	7,232.62	7,252.62	7,252.62	78.36	255.23	-90.03	-2,414.15	-4,436.20	1,010.20	683.63	326.58	3.093	
12,100.00	7,232.49	7,252.49	7,252.49	79.97	255.22	-90.02	-2,414.15	-4,436.20	978.61	647.74	330.87	2.958	
12,200.00	7,232.36	7,252.36	7,252.36	81.58	255.22	-90.01	-2,414.15	-4,436.20	956.48	621.73	334.75	2.857	
12,300.00	7,232.23	7,252.23	7,252.23	83.20	255.21	-90.01	-2,414.15	-4,436.20	944.47	606.45	338.02	2.794	
12,364.14	7,232.15	7,252.15	7,252.15	84.24	255.21	-90.00	-2,414.15	-4,436.20	942.29	602.58	339.72	2.774	CC
12,400.00	7,232.10	7,252.10	7,252.10	84.82	255.21	-90.00	-2,414.15	-4,436.20	942.97	602.47	340.51	2.769	ES, SF
12,500.00	7,231.98	7,251.98	7,251.98	86.44	255.20	-89.99	-2,414.15	-4,436.20	952.04	609.93	342.11	2.783	
12,600.00	7,231.85	7,251.85	7,251.85	88.06	255.20	-89.98	-2,414.15	-4,436.20	971.36	628.54	342.82	2.833	
12,700.00	7,231.72	7,251.72	7,251.72	89.69	255.20	-89.97	-2,414.15	-4,436.20	1,000.36	657.64	342.72	2.919	
12,800.00	7,231.59	7,251.59	7,251.59	91.32	255.19	-89.97	-2,414.15	-4,436.20	1,038.22	696.27	341.95	3.036	
12,900.00	7,231.46	7,251.46	7,251.46	92.94	255.19	-89.96	-2,414.15	-4,436.20	1,084.00	743.35	340.65	3.182	
13,000.00	7,231.33	7,251.33	7,251.33	94.57	255.18	-89.95	-2,414.15	-4,436.20	1,136.77	797.77	339.00	3.353	
13,100.00	7,231.21	7,251.21	7,251.21	96.20	255.18	-89.94	-2,414.15	-4,436.20	1,195.58	858.46	337.12	3.546	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - MOSSBERG-PM J30-9 - Noble PR Well - No Surveys

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Site Error: 0.00 usft

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	7,234.54	7,264.54	7,264.54	54.59	255.65	-90.04	-2,538.58	-3,101.26	1,188.44	885.42	303.01	3.922	
10,600.00	7,234.41	7,264.41	7,264.41	56.14	255.64	-90.03	-2,538.58	-3,101.26	1,147.43	841.19	306.24	3.747	
10,700.00	7,234.29	7,264.29	7,264.29	57.69	255.64	-90.02	-2,538.58	-3,101.26	1,113.91	804.44	309.47	3.599	
10,800.00	7,234.16	7,264.16	7,264.16	59.26	255.64	-90.02	-2,538.58	-3,101.26	1,088.58	775.99	312.59	3.482	
10,900.00	7,234.03	7,264.03	7,264.03	60.83	255.63	-90.01	-2,538.58	-3,101.26	1,072.01	756.54	315.47	3.398	
11,000.00	7,233.90	7,263.90	7,263.90	62.40	255.63	-90.00	-2,538.58	-3,101.26	1,064.62	746.61	318.01	3.348	
11,028.96	7,233.86	7,263.86	7,263.86	62.86	255.63	-90.00	-2,538.58	-3,101.26	1,064.23	745.56	318.67	3.340	CC, ES
11,100.00	7,233.77	7,263.77	7,263.77	63.98	255.62	-90.00	-2,538.58	-3,101.26	1,066.60	746.49	320.11	3.332	SF
11,200.00	7,233.64	7,263.64	7,263.64	65.56	255.62	-89.99	-2,538.58	-3,101.26	1,077.88	756.18	321.71	3.351	
11,300.00	7,233.52	7,263.52	7,263.52	67.15	255.61	-89.98	-2,538.58	-3,101.26	1,098.20	775.41	322.79	3.402	
11,400.00	7,233.39	7,263.39	7,263.39	68.74	255.61	-89.97	-2,538.58	-3,101.26	1,127.05	803.66	323.39	3.485	
11,500.00	7,233.26	7,263.26	7,263.26	70.34	255.60	-89.97	-2,538.58	-3,101.26	1,163.81	840.26	323.55	3.597	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - RICKS-PM J30-12 - 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
14,300.00	7,229.67	7,268.67	7,268.67	115.86	255.80	-90.06	-2,402.96	-7,088.56	1,178.81	833.79	345.02	3.417	
14,400.00	7,229.54	7,268.54	7,268.54	117.51	255.79	-90.05	-2,402.96	-7,088.56	1,120.85	769.59	351.26	3.191	
14,500.00	7,229.41	7,268.41	7,268.41	119.15	255.79	-90.04	-2,402.96	-7,088.56	1,069.11	711.46	357.65	2.989	
14,600.00	7,229.28	7,268.28	7,268.28	120.80	255.78	-90.03	-2,402.96	-7,088.56	1,024.55	660.54	364.00	2.815	
14,700.00	7,229.15	7,268.15	7,268.15	122.45	255.78	-90.02	-2,402.96	-7,088.56	988.13	618.07	370.05	2.670	
14,800.00	7,229.03	7,268.03	7,268.03	124.09	255.77	-90.02	-2,402.96	-7,088.56	960.78	585.27	375.50	2.559	
14,900.00	7,228.90	7,267.90	7,267.90	125.74	255.77	-90.01	-2,402.96	-7,088.56	943.28	563.26	380.03	2.482	
15,000.00	7,228.77	7,267.77	7,267.77	127.39	255.76	-90.00	-2,402.96	-7,088.56	936.21	552.85	383.36	2.442	
15,016.51	7,228.75	7,267.75	7,267.75	127.66	255.76	-90.00	-2,402.96	-7,088.56	936.06	552.28	383.78	2.439	CC, ES
15,100.00	7,228.64	7,267.64	7,267.64	129.04	255.76	-89.99	-2,402.96	-7,088.56	939.78	554.45	385.33	2.439	SF
15,200.00	7,228.51	7,267.51	7,267.51	130.69	255.75	-89.99	-2,402.96	-7,088.56	953.88	567.98	385.90	2.472	
15,300.00	7,228.38	7,267.38	7,267.38	132.34	255.75	-89.98	-2,402.96	-7,088.56	978.05	592.89	385.16	2.539	
15,400.00	7,228.26	7,267.26	7,267.26	133.99	255.75	-89.97	-2,402.96	-7,088.56	1,011.57	628.24	383.33	2.639	
15,500.00	7,228.13	7,267.13	7,267.13	135.64	255.74	-89.96	-2,402.96	-7,088.56	1,053.55	672.90	380.65	2.768	
15,598.93	7,228.00	7,267.00	7,267.00	137.27	255.74	-89.95	-2,402.96	-7,088.56	1,102.46	725.02	377.44	2.921	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - STEVE J 30-6 - Noble PR Well - Actual Multishot Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448, 608-SRC Energy_ISCWSA REV 2 MWD, 7534-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
12,500.00	7,231.98	7,501.91	7,307.10	86.44	41.87	92.27	-1,104.74	-5,616.73	1,108.95	1,037.06	71.89	15.426	
12,600.00	7,231.85	7,500.56	7,305.75	88.06	41.86	92.06	-1,104.74	-5,616.75	1,015.06	940.28	74.77	13.575	
12,700.00	7,231.72	7,499.22	7,304.41	89.69	41.86	91.85	-1,104.74	-5,616.76	922.45	844.16	78.30	11.782	
12,800.00	7,231.59	7,497.87	7,303.06	91.32	41.86	91.64	-1,104.74	-5,616.78	831.56	748.93	82.64	10.063	
12,900.00	7,231.46	7,496.53	7,301.72	92.94	41.86	91.43	-1,104.73	-5,616.80	743.01	654.97	88.04	8.440	
13,000.00	7,231.33	7,495.18	7,300.37	94.57	41.86	91.21	-1,104.73	-5,616.81	657.75	562.94	94.80	6.938	
13,100.00	7,231.21	7,493.83	7,299.02	96.20	41.86	91.00	-1,104.73	-5,616.83	577.23	473.97	103.26	5.590	
13,200.00	7,231.08	7,492.49	7,297.68	97.84	41.86	90.79	-1,104.73	-5,616.85	503.74	390.12	113.61	4.434	
13,300.00	7,230.95	7,491.14	7,296.33	99.47	41.85	90.58	-1,104.73	-5,616.86	440.80	315.30	125.50	3.512	
13,400.00	7,230.82	7,489.80	7,294.99	101.10	41.85	90.37	-1,104.73	-5,616.88	393.52	256.38	137.14	2.869	
13,500.00	7,230.69	7,488.45	7,293.64	102.74	41.85	90.16	-1,104.73	-5,616.90	367.97	223.25	144.72	2.543	
13,547.28	7,230.63	7,487.82	7,293.01	103.51	41.85	90.06	-1,104.72	-5,616.90	364.92	219.26	145.67	2.505	CC, ES, SF
13,600.00	7,230.56	7,487.11	7,292.30	104.38	41.85	89.95	-1,104.72	-5,616.91	368.71	224.34	144.37	2.554	
13,700.00	7,230.44	7,485.76	7,290.95	106.02	41.85	89.74	-1,104.72	-5,616.93	395.59	259.35	136.24	2.904	
13,800.00	7,230.31	7,484.41	7,289.61	107.65	41.85	89.52	-1,104.72	-5,616.94	443.88	319.55	124.32	3.570	
13,900.00	7,230.18	7,483.07	7,288.26	109.29	41.85	89.31	-1,104.72	-5,616.96	507.50	395.15	112.36	4.517	
14,000.00	7,230.05	7,481.72	7,286.91	110.94	41.85	89.10	-1,104.72	-5,616.98	581.45	479.43	102.02	5.699	
14,100.00	7,229.92	7,480.38	7,285.57	112.58	41.84	88.89	-1,104.72	-5,616.99	662.28	568.64	93.63	7.073	
14,200.00	7,229.80	7,479.03	7,284.22	114.22	41.84	88.68	-1,104.72	-5,617.01	747.75	660.79	86.97	8.598	
14,300.00	7,229.67	7,477.69	7,282.88	115.86	41.84	88.47	-1,104.71	-5,617.03	836.45	754.76	81.69	10.239	
14,400.00	7,229.54	7,476.34	7,281.53	117.51	41.84	88.26	-1,104.71	-5,617.04	927.45	849.96	77.50	11.968	
14,500.00	7,229.41	7,475.00	7,280.19	119.15	41.84	88.05	-1,104.71	-5,617.06	1,020.14	946.00	74.14	13.760	
14,600.00	7,229.28	7,473.65	7,278.84	120.80	41.84	87.84	-1,104.71	-5,617.08	1,114.09	1,042.66	71.43	15.598	

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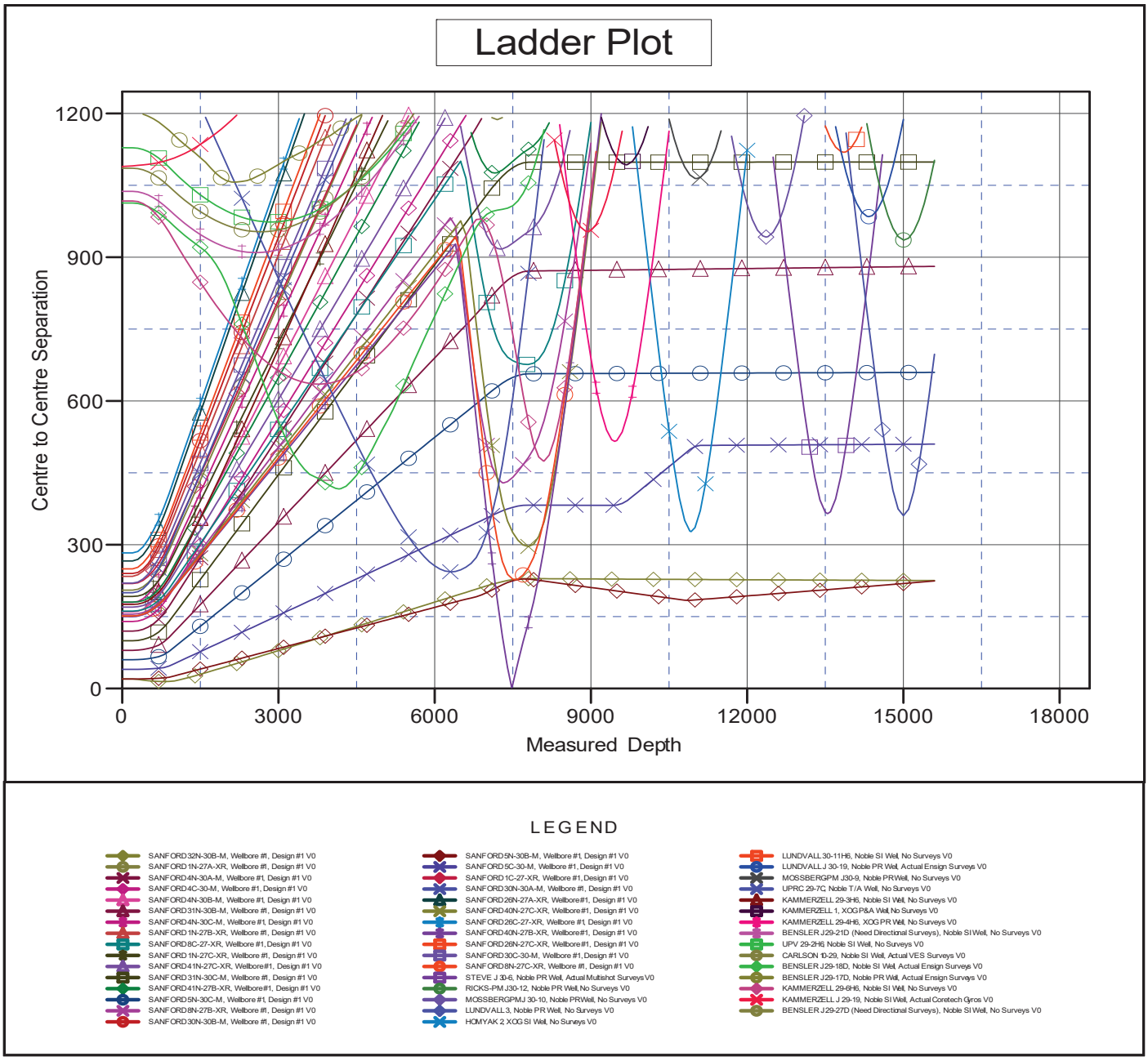
Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB = 4' @ 4908.00usft (RIG)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: SANFORD 32N-30C-M
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°



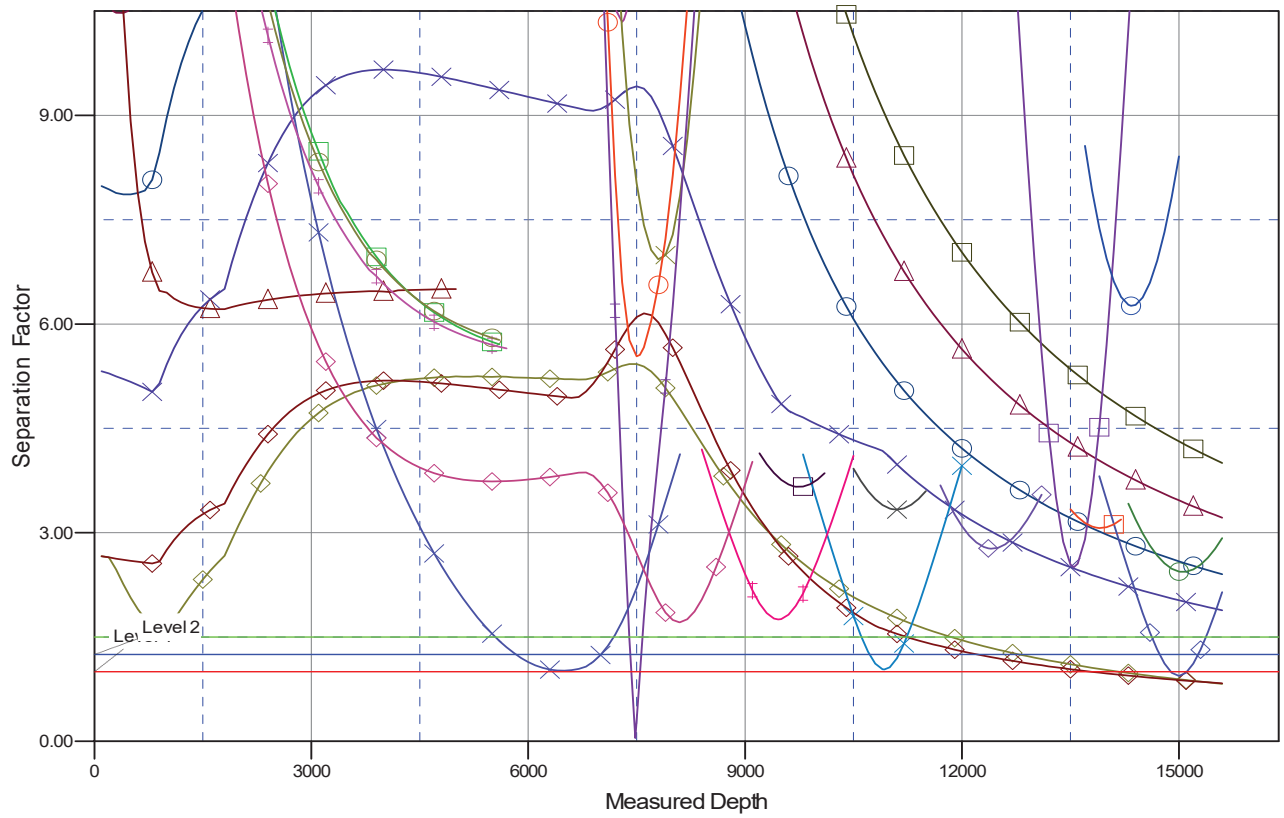
Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 32N-30C-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 32N-30C-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB = 4' @ 4908.00usft (RIG)	Coordinates are relative to: SANFORD 32N-30C-M
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000	Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

SANFORD32N-30B-M, Wellbore #1, Design #1 V0
SANFORD1N-27A-XR, Wellbore #1, Design #1 V0
SANFORD4N-30A-M, Wellbore #1, Design #1 V0
SANFORD4C-30-M, Wellbore #1, Design #1 V0
SANFORD4N-30B-M, Wellbore #1, Design #1 V0
SANFORD31N-30B-M, Wellbore #1, Design #1 V0
SANFORD4N-30C-M, Wellbore #1, Design #1 V0
SANFORD1N-27B-XR, Wellbore #1, Design #1 V0
SANFORD8C-27-XR, Wellbore #1, Design #1 V0
SANFORD1N-27C-XR, Wellbore #1, Design #1 V0
SANFORD41N-27C-XR, Wellbore#1, Design #1 V0
SANFORD31N-30C-M, Wellbore #1, Design #1 V0
SANFORD41N-27B-XR, Wellbore#1, Design #1 V0
SANFORD5N-30C-M, Wellbore #1, Design #1 V0
SANFORD8N-27B-XR, Wellbore #1, Design #1 V0
SANFORD30N-30B-M, Wellbore #1, Design #1 V0
SANFORD5N-30B-M, Wellbore #1, Design #1 V0
SANFORD5C-30-M, Wellbore #1, Design #1 V0
SANFORD1C-27-XR, Wellbore #1, Design #1 V0
SANFORD30N-30A-M, Wellbore #1, Design #1 V0
SANFORD26N-27A-XR, Wellbore#1, Design #1 V0
SANFORD40N-27C-XR, Wellbore#1, Design #1 V0
SANFORD26C-27-XR, Wellbore #1, Design #1 V0
SANFORD40N-27B-XR, Wellbore#1, Design #1 V0
SANFORD26N-27C-XR, Wellbore#1, Design #1 V0
SANFORD30C-30-M, Wellbore #1, Design #1 V0
SANFORD8N-27C-XR, Wellbore #1, Design #1 V0
STEVE J 30-6, Noble PR Well, Actual Multishot Surveys V0
RICKS-PM J30-12, Noble PR Well, No Surveys V0
MOSSBERGPM J 30-10, Noble PR Well, No Surveys V0
LUNDVALL 3, Noble PR Well, No Surveys V0
HOMYAK 2 XOG SI Well, No Surveys V0
LUNDVALL 30-11H6, Noble SI Well, No Surveys V0
LUNDVALL J 30-19, Noble PR Well, Actual Ensign Surveys V0
MOSSBERGPM J30-9, Noble PR Well, No Surveys V0
UPRC 29-7C Noble T/A Well, No Surveys V0
KAMMERZELL 29-3H6, Noble SI Well, No Surveys V0
KAMMERZELL 1, XOG P&A Well, No Surveys V0
KAMMERZELL 29-4H6, XOG PR Well, No Surveys V0
BENSLER J29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0
UPV 29-2H6 Noble SI Well, No Surveys V0
CARLSON 1D-29, Noble SI Well, Actual VES Surveys V0
BENSLER J29-18D, 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
BENSLER J29-27D (Need Directional Surveys), Noble SI Well, No Surveys V0