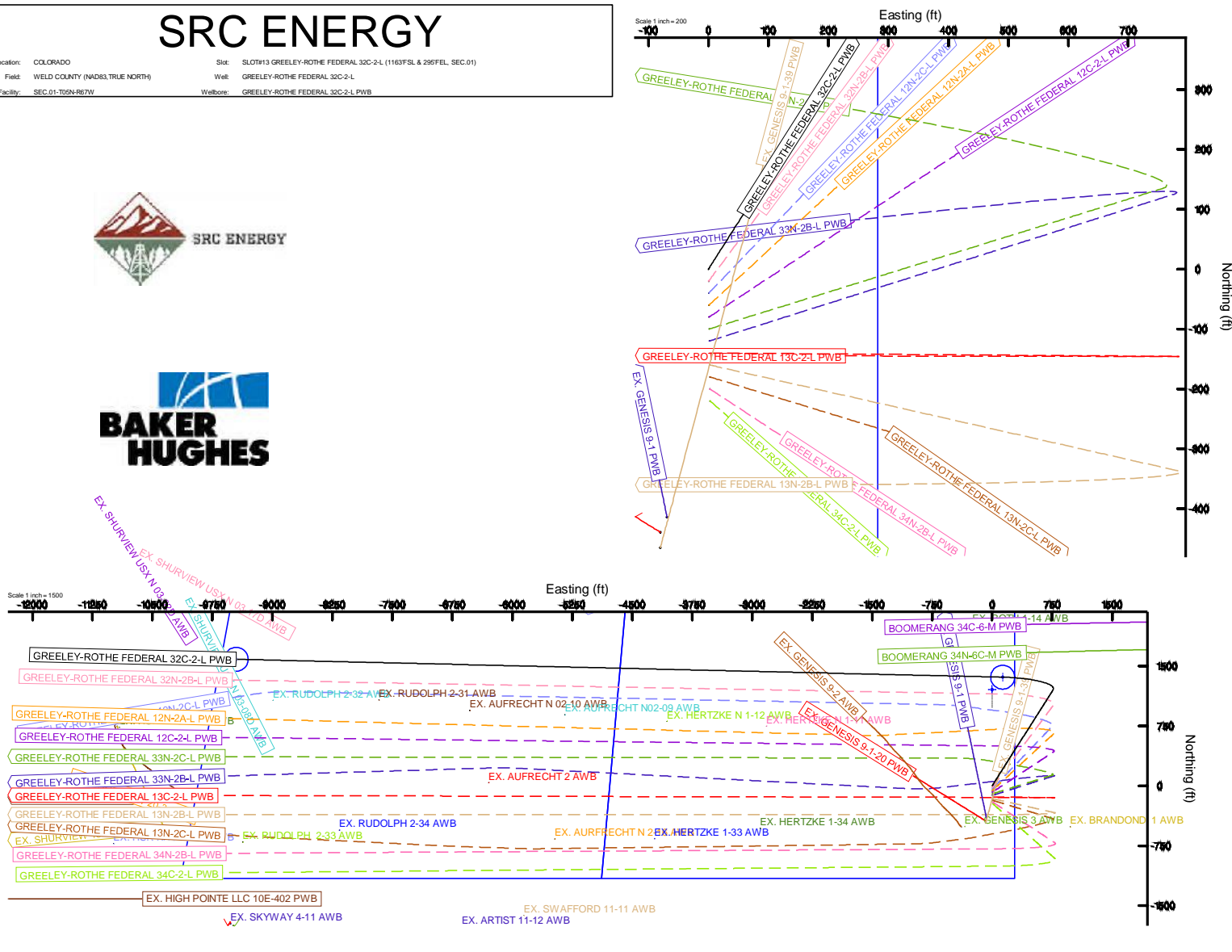


Location:	COLORADO	Slot:	SLOT#13 GREELEY-ROTHER FEDERAL 32C-2-L (1163FSL & 295FEL, SEC.01)
Field:	WELD COUNTY (NAD83, TRUE NORTH)	Well:	GREELEY-ROTHER FEDERAL 32C-2-L
Facility:	SEC.01-T05N-R67W	Wellbore:	GREELEY-ROTHER FEDERAL 32C-2-L PWB





# Clearance Report

GREELEY-ROTHER FEDERAL 32C-2-L PWP (REV-A.0)  
Closest Approach  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#13 GREELEY-ROTHER FEDERAL 32C-2-L (1163'FSL & 295'FEL, SEC.01)
Area	COLORADO	Well	GREELEY-ROTHER FEDERAL 32C-2-L
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	GREELEY-ROTHER FEDERAL 32C-2-L PWB
Facility	SEC.01-T05N-R67W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.0
North Reference	True	User	Doddanna
Scale	0.999961	Report Generated	10/4/2017 at 1:35:19 PM
Convergence at slot	0.43° East	Database/Source file	WellArchitectDB/GREELEY-ROTHER FEDERAL 32C-2-L PWP _REV-A.0 _CR.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-1204.77	-0.23	3185554.32	1398272.67	40°25'29.086"N	104°50'00.643"W
Facility Reference Pt			3185545.50	1399477.36	40°25'40.991"N	104°50'00.640"W
Field Reference Pt			3171284.48	1426358.81	40°30'07.643"N	104°53'02.634"W

## WELLPATH DATUM

Calculation method	Minimum Curvature	PRECISION 462 (20') (RKB) to Facility Vertical Datum	4891.00ft
Horizontal Reference Pt	Slot	PRECISION 462 (20') (RKB) to Mean Sea Level	4891.00ft
Vertical Reference Pt	PRECISION 462 (20') (RKB)	PRECISION 462 (20') (RKB) to Mud Line at Slot (SLOT#13 GREELEY-ROTHER FEDERAL 32C-2-L (1163'FSL & 295'FEL, SEC.01))	4891.00ft
MD Reference Pt	PRECISION 462 (20') (RKB)		
Field Vertical Reference	Mean Sea Level		

## POSITIONAL UNCERTAINTY CALCULATION SETTINGS

Ellipse Confidence Limit	3.00 Std Dev	Ellipse Start MD	20.00ft	Surface Position Uncertainty	Included
Declination	3.39° East of TN	Dip Angle	66.87°	Mag Field Strength	52416 nT
Slot Surface Uncertainty @1SD		Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD		Horizontal	3.200ft	Vertical	3.000ft

Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes



**Clearance Report**  
GREELEY-ROTHER FEDERAL 32C-2-L PWP (REV-A.0)  
Closest Approach  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	SRC ENERGY	Slot	SLOT#13 GREELEY-ROTHER FEDERAL 32C-2-L (1163'FSL & 295'FEL, SEC.01)
Area	COLORADO	Well	GREELEY-ROTHER FEDERAL 32C-2-L
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	GREELEY-ROTHER FEDERAL 32C-2-L PWB
Facility	SEC.01-T05N-R67W		

ANTI-COLLISION RULE			
Rule Name	Baker Hughes Stop Drilling (offset is HSE risk)	Rule Based On	Ratio
Plane of Rule	Closest Approach	Threshold Value	1.00
Include Casing & Hole Size	yes	Apply Cone of Safety	no

HOLE & CASING SECTIONS - Ref Wellbore: GREELEY-ROTHER FEDERAL 32C-2-L PWB Ref Wellpath: GREELEY-ROTHER FEDERAL 32C-2-L PWP (REV-A.0)									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.5in Open Hole	20.00	1750.00	1730.00	20.00	1719.55	0.00	0.00	239.58	151.75
9.625in Casing Surface	20.00	1750.00	1730.00	20.00	1719.55	0.00	0.00	239.58	151.75
8.5in Open Hole	1750.00	17292.80	15542.80	1719.55	7136.00	239.58	151.75	1585.44	-9454.55

SURVEY PROGRAM - Ref Wellbore: GREELEY-ROTHER FEDERAL 32C-2-L PWB Ref Wellpath: GREELEY-ROTHER FEDERAL 32C-2-L PWP (REV-A.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1750.00	Custom BHI NaviTrak (IFR1, Standard Rotating+Axial Corr) (Rockies 0.03Gt model)		GREELEY-ROTHER FEDERAL 32C-2-L PWB
1750.00	17292.80	Custom BHI AutoTrak Curve (IFR1, Short) (Rockies 0.03Gt model)		GREELEY-ROTHER FEDERAL 32C-2-L PWB



# Clearance Report

GREELEY-ROTHER FEDERAL 32C-2-L PWP (REV-A.0)  
Closest Approach  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#13 GREELEY-ROTHER FEDERAL 32C-2-L (1163'FSL & 295'FEL, SEC.01)
Area	COLORADO	Well	GREELEY-ROTHER FEDERAL 32C-2-L
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	GREELEY-ROTHER FEDERAL 32C-2-L PWB
Facility	SEC.01-T05N-R67W		

## CALCULATION RANGE & CUTOFF

From: 20.00ft MD	To: 17292.80ft MD	C-C Cutoff: 1000.00 ft
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## OFFSET WELL CLEARANCE SUMMARY (59 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.01-T05N-R67W	SLOT#14 GREELEY-ROTHER FEDERAL 32N-2B-L (1143'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 32N-2B-L	GREELEY-ROTHER FEDERAL 32N-2B-L PWB	GREELEY-ROTHER FEDERAL 32N-2B-L PWP (REV-A.0)	20.00	20.04	200.00	17292.80	0.42	17292.80	FAIL
SEC.01-T05N-R67W	SLOT#15 GREELEY-ROTHER FEDERAL 12N-2C-L (1123'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 12N-2C-L	GREELEY-ROTHER FEDERAL 12N-2C-L PWB	GREELEY-ROTHER FEDERAL 12N-2C-L PWP (REV-A.0)	20.00	40.08	8520.00	16720.00	0.48	16720.00	FAIL
SEC.02-T5N-R67W	SLOT#06 EX. RUDOLPH 2-32 (2335'FSL & 740'FWL, CODL/PR)	EX. RUDOLPH 2-32	EX. RUDOLPH 2-32 AWB	EX. RUDOLPH 2-32 AWP	16820.00	502.19	16820.00	16820.00	0.65	16820.00	FAIL
SEC.02-T5N-R67W	SLOT#05 EX. RUDOLPH 2-31 (2387'FSL & 2058'FWL, NB-CD/PR)	EX. RUDOLPH 2-31	EX. RUDOLPH 2-31 AWB	EX. RUDOLPH 2-31 AWP	15497.03	467.34	15497.03	15505.85	0.66	15505.85	FAIL
SEC.05-T05N-R66W	SLOT#12 BOOMERANG 34N-6C-M (1511'FNL & 2327'FWL, SEC.05)	BOOMERANG 34N-6C-M	BOOMERANG 34N-6C-M PWB	BOOMERANG 34N-6C-M PWP	7414.53	331.45	7414.53	7387.75	0.86	7387.75	FAIL
SEC.02-T05N-R67W	SLOT#02 EX. AUFRECHT N 02-10 (2252'FSL & 1849'FEL, CODL/PR)	EX. AUFRECHT N 02-10	EX. AUFRECHT N 02-10 AWB	EX. AUFRECHT N 02-10 AWP	14357.50	571.04	14357.50	14370.54	0.87	14370.54	FAIL
SEC.01-T05N-R67W	SLOT#16 GREELEY-ROTHER FEDERAL 12N-2A-L (1103'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 12N-2A-L	GREELEY-ROTHER FEDERAL 12N-2A-L PWB	GREELEY-ROTHER FEDERAL 12N-2A-L PWP (REV-A.0)	20.00	60.12	17292.80	17292.80	0.93	17292.80	FAIL
SEC.02-T05N-R67W	SLOT#03 EX. AUFRECHT N02-09 (2217'FSL & 660'FEL, CODL/SI)	EX. AUFRECHT N02-09	EX. AUFRECHT N02-09 AWB	EX. AUFRECHT N02-09 AWP	13166.41	598.09	13166.41	13182.06	0.99	13182.06	FAIL
SEC.01-T05N-R67W	SLOT#17 GREELEY-ROTHER FEDERAL 12C-2-L (1083'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 12C-2-L	GREELEY-ROTHER FEDERAL 12C-2-L PWB	GREELEY-ROTHER FEDERAL 12C-2-L PWP (REV-A.0)	20.00	79.85	200.00	17292.80	1.04	17292.80	PASS
SEC.01-T05N-R67W	SLOT#03 EX. HERTZKE N 1-12 (2116'FSL & 619'FWL, CODL/PR)	EX. HERTZKE N 1-12	EX. HERTZKE N 1-12 AWB	EX. HERTZKE N 1-12 AWP	11888.13	651.11	11888.13	11910.21	1.19	11910.21	PASS
SEC.02-T05N-R67W	SLOT#04 EX. E. JOHNSON FEDERAL 2-23 (2129'FNL & 498'FWL, CODL/SI)	EX. E JOHNSON FEDERAL 2-23	EX. E JOHNSON FEDERAL 2-23 AWB	EX. E JOHNSON FEDERAL 2-23 AWP	16843.52	931.23	16843.52	16877.90	1.21	16877.90	PASS
SEC.01-T05N-R67W	SLOT#18 GREELEY-ROTHER FEDERAL 33N-2C-L (1063'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 33N-2C-L	GREELEY-ROTHER FEDERAL 33N-2C-L PWB	GREELEY-ROTHER FEDERAL 33N-2C-L PWP (REV-A.0)	20.00	99.89	8220.00	17292.80	1.31	17292.80	PASS
SEC.02-T05N-R67W	SLOT#05 EX. E. JOHNSON FEDERAL 2-24 (2074'FNL & 1707'FWL, CODL/PR)	EX. E JOHNSON FEDERAL 2-24	EX. E JOHNSON FEDERAL 2-24 AWB	EX. E JOHNSON FEDERAL 2-24 AWP	15557.07	990.03	15557.07	15601.31	1.39	15601.31	PASS
SEC.01-T05N-R67W	SLOT#02 EX. HERTZKE N 1-11 (2012'FSL & 1864'FWL, CODL/SI)	EX. HERTZKE N 1-11	EX. HERTZKE N 1-11 AWB	EX. HERTZKE N 1-11 AWP	10643.75	681.17	10643.75	10671.88	1.40	10671.88	PASS
SEC.01-T05N-R67W	SLOT#19 GREELEY-ROTHER FEDERAL 33N-2B-L (1043'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 33N-2B-L	GREELEY-ROTHER FEDERAL 33N-2B-L PWB	GREELEY-ROTHER FEDERAL 33N-2B-L PWP (REV-A.0)	20.00	119.93	13920.00	17292.80	1.59	17292.80	PASS
SEC.01-T05N-R67W	SLOT#06 EX. ROTH 1-14 (2257'FNL & 505'FEL, NB-CD/PR)	EX. ROTH 1-14	EX. ROTH 1-14 AWB	EX. ROTH 1-14 AWP	8097.69	649.65	8097.69	8135.09	1.71	8135.09	PASS
SEC.05-T05N-R66W	SLOT#10 BOOMERANG 34C-6-M (1496'FNL & 2327'FWL, SEC.05)	BOOMERANG 34C-6-M	BOOMERANG 34C-6-M PWB	BOOMERANG 34C-6-M PWP	7489.06	679.78	7489.06	7464.78	1.77	7464.78	PASS
SEC.01-T05N-R67W	SLOT#20 GREELEY-ROTHER FEDERAL 13C-2-L (1023'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 13C-2-L	GREELEY-ROTHER FEDERAL 13C-2-L PWB	GREELEY-ROTHER FEDERAL 13C-2-L PWP (REV-A.0)	20.00	139.97	200.00	17292.80	1.82	17292.80	PASS
SEC.02-T05N-R67W	SLOT#01 EX. AUFRECHT 1 (1368'FNL & 1287'FEL, J-CDL/PR)	EX. AUFRECHT 1	EX. AUFRECHT 1 AWB	EX. AUFRECHT 1 AWP	14155.00	1190.21	14155.00	14220.00	1.83	14220.00	PASS
SEC.02-T5N-R67W	Slot #3 Aufrecht N 2-7	Aufrecht N 2-7	Aufrecht N2-7 AWB	Aufrecht N2-7 AWP	14353.52	706.83	14353.52	14388.65	1.84	14388.65	PASS
SEC.01-T05N-R67W	SLOT#04 EX. HERTZKE N 1-7 (2072'FNL & 1816'FEL, CODL/SI)	EX. HERTZKE N 1-7	EX. HERTZKE N 1-7 AWB	EX. HERTZKE N 1-7 AWP	9396.02	796.46	9396.02	9450.60	1.84	9450.60	PASS
SEC.02-T5N-R67W	Slot #4 Aufrecht N 2-8	Aufrecht N 2-8	Aufrecht N 2-8 AWB	Aufrecht N 2-8 AWP	12935.78	688.96	12935.78	13009.32	2.01	13009.32	PASS
SEC.01-T05N-R67W	SLOT#21 GREELEY-ROTHER FEDERAL 13N-2B-L (1003'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 13N-2B-L	GREELEY-ROTHER FEDERAL 13N-2B-L PWB	GREELEY-ROTHER FEDERAL 13N-2B-L PWP (REV-A.0)	20.00	160.01	200.00	17292.80	2.10	17292.80	PASS
	SLOT#01 EX. AUFRECHT 2 (1374'FSL & 1370'FEL, CODL/AB)	EX. AUFRECHT 2	EX. AUFRECHT 2 AWB	EX. AUFRECHT 2 AWP	14098.16	1470.98	14098.16	14196.94	2.27	14196.94	PASS

OFFSET WELL CLEARANCE SUMMARY (59 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.02-T05N-R67W											
SEC.01-T05N-R67W	SLOT#22 GREELEY-ROTHE FEDERAL 13N-2C-L (983°FSL & 294°FEL, SEC.01)	GREELEY-ROTHE FEDERAL 13N-2C-L	GREELEY-ROTHE FEDERAL 13N-2C-L PWB	GREELEY-ROTHE FEDERAL 13N-2C-L PWP (REV-A.0)	20.00	180.05	17292.80	17292.80	2.35	17292.80	PASS



# Clearance Report

GREELEY-ROTHER FEDERAL 32C-2-L PWP (REV-A.0)  
Closest Approach  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	SRC ENERGY	Slot	SLOT#13 GREELEY-ROTHER FEDERAL 32C-2-L (1163'FSL & 295'FEL, SEC.01)
Area	COLORADO	Well	GREELEY-ROTHER FEDERAL 32C-2-L
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	GREELEY-ROTHER FEDERAL 32C-2-L PWB
Facility	SEC.01-T05N-R67W		

## CALCULATION RANGE & CUTOFF

From: 20.00ft MD	To: 17292.80ft MD	C-C Cutoff: 1000.00 ft
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## OFFSET WELL CLEARANCE SUMMARY (59 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.03-T05N-R67W	SLOT#06 EX. SHURVIEW USX N 03-08D (2130'FNL & 1940'FEL, NB-CD/SI)	EX. SHURVIEW USX N 03-08D	EX. SHURVIEW USX N 03-08D AWP	EX. SHURVIEW USX N 03-08D AWP	17292.80	1017.94	17292.80	17292.80	2.40	17292.80	PASS
SEC.01-T05N-R67W	SLOT#23 GREELEY-ROTHER FEDERAL 34N-2B-L (963'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 34N-2B-L	GREELEY-ROTHER FEDERAL 34N-2B-L PWB	GREELEY-ROTHER FEDERAL 34N-2B-L PWP (REV-A.0)	20.00	200.08	200.00	17292.80	2.61	17292.80	PASS
SEC.01-T05N-R67W	SLOT#24 GREELEY-ROTHER FEDERAL 34C-2-L (943'FSL & 294'FEL, SEC.01)	GREELEY-ROTHER FEDERAL 34C-2-L	GREELEY-ROTHER FEDERAL 34C-2-L PWB	GREELEY-ROTHER FEDERAL 34C-2-L PWP (REV-A.0)	20.00	220.12	200.00	17292.80	2.85	17292.80	PASS
SEC.02-T05N-R67W	SLOT#04 EX. RUDOLPH 2-34 (732'FSL & 1921'FWL, NB-CD/PR)	EX. RUDOLPH 2-34	EX. RUDOLPH 2-34 AWP	EX. RUDOLPH 2-34 AWP	15953.13	2109.26	15953.13	16120.00	2.87	16120.00	PASS
SEC.02-T05N-R67W	SLOT#03 EX. RUDOLPH 2-33 (740'FSL & 640'FWL, NB-CD/PR)	EX. RUDOLPH 2-33	EX. RUDOLPH 2-33 AWP	EX. RUDOLPH 2-33 AWP	17157.50	2286.44	17157.50	17292.80	2.90	17292.80	PASS
SEC.03-T05N-R67W	SLOT#02 EX. HSR-KNOX 9-3 (1981'FSL & 701'FEL, JNBCD/SI)	EX. HSR KNOX 9-3	EX. HSR KNOX 9-3 AWP	EX. HSR KNOX 9-3 AWP	17292.80	1692.15	17292.80	17292.80	2.95	17292.80	PASS
SEC.01-T05N-R67W	SLOT#05 EX. GENESIS 9-2 (656'FSL & 673'FEL, JNBCD/PR)	EX. GENESIS 9-2	EX. GENESIS 9-2 AWP	EX. GENESIS 9-2 AWP	9416.56	568.37	9416.56	9429.33	3.32	9429.33	PASS
SEC.02-T05N-R67W	SLOT#06 EX. AUFRECHT N 2-16 (660'FSL & 660'FEL, CODL/PR)	EX. AUFRECHT N 2-16	EX. AUFRECHT N 2-16 AWP	EX. AUFRECHT N 2-16 AWP	13252.50	2156.87	13252.50	13483.88	3.52	13483.88	PASS
SEC.03-T05N-R67W	SLOT#04 EX. SHURVIEW 33C-3HZ (2016'FSL & 1191'FEL, CODL/PR)	EX. SHURVIEW 33C-3HZ	EX. SHURVIEW 33C-3HZ AWP	EX. SHURVIEW 33C-3HZ AWP	17292.80	1859.12	17292.80	17292.80	3.81	17292.80	PASS
SEC.01-T05N-R67W	SLOT#25 EX. HERTZKE 1-33 (660'FSL & 641'FWL, CODL/SI)	EX. HERTZKE 1-33	EX. HERTZKE 1-33 AWP	EX. HERTZKE 1-33 AWP	12013.91	2123.73	12013.91	12269.36	3.84	12269.36	PASS
SEC.03-T05N-R67W	SLOT#07 EX. HSR KNOX 16-3 (527'FSL & 831'FEL, NB-CD/AB)	EX. HSR KNOX 16-3	EX. HSR KNOX 16-3 AWP	EX. HSR KNOX 16-3 AWP	17292.80	2771.84	17292.80	17292.80	3.85	17292.80	PASS
SEC.01-T05N-R67W	SLOT#26 EX. HERTZKE 1-34 (766'FSL & 1975'FWL, CODL/SI)	EX. HERTZKE 1-34	EX. HERTZKE 1-34 AWP	EX. HERTZKE 1-34 AWP	10692.50	1964.40	10692.50	10950.49	3.99	10950.49	PASS
SEC.11-T05N-R67W	SLOT#03 EX. SKYWAY 4-11 (470'FNL & 604'FWL, NB-CD/PR)	EX. SKYWAY 4-11	EX. SKYWAY 4-11 AWP	EX. SKYWAY 4-11 AWP	17283.70	3313.32	17283.70	17292.80	4.18	17292.80	PASS
SEC.03-T05N-R67W	SLOT#02 EX. KNOX 32-3 (2270'FNL & 1839'FEL, JSND/SI)	EX. KNOX 32-3	EX. KNOX 32-3 AWP	EX. KNOX 32-3 AWP	17292.80	2084.26	17292.80	17292.80	4.23	17292.80	PASS
SEC.01-T05N-R67W	SLOT#07 EX. ROTH 1-15 (963'FNL & 978'FEL, CODL/PR)	EX. ROTH 1-15	EX. ROTH 1-15 AWP	EX. ROTH 1-15 AWP	8596.25	1876.97	8596.25	8920.00	4.64	8920.00	PASS
SEC.03-T05N-R67W	SLOT#06 EX. SHURVIEW USX N 03-17D (2085'FNL & 1928'FEL, NB-CD/SI)	EX. SHURVIEW USX N 03-17D	EX. SHURVIEW USX N 03-17D AWP	EX. SHURVIEW USX N 03-17D AWP	17292.80	1858.21	17292.80	17292.80	4.70	17292.80	PASS
SEC.01-T05N-R67W	SLOT#02 EX. GENESIS 9-1 (750'FSL & 377'FEL, XX)	EX. GENESIS 9-1	EX. GENESIS 9-1 PWB	EX. GENESIS 9-1 PWP	20.00	419.62	8120.00	8198.18	4.78	8198.18	PASS
SEC.01-T05N-R67W	SLOT#01 EX. GENESIS 3 (660'FSL & 660'FEL, CODL/PR)	EX. GENESIS 3	EX. GENESIS 3 AWP	EX. GENESIS 3 AWP	20.00	616.09	8120.00	8420.00	4.86	8420.00	PASS
SEC.11-T05N-R67W	SLOT#01 EX. ARTIST 11-12 (458'FNL & 1774'FEL, CODL/PR)	EX. ARTIST 11-12	EX. ARTIST 11-12 AWP	EX. ARTIST 11-12 AWP	14395.00	3280.86	14395.00	14868.75	4.89	14868.75	PASS
SEC.11-T05N-R67W	SLOT#05 EX. SWAFFORD 11-11 (307'FNL & 993'FEL, NB-CD/PR)	EX. SWAFFORD 11-11	EX. SWAFFORD 11-11 AWP	EX. SWAFFORD 11-11 AWP	13620.00	3125.67	13620.00	14087.51	4.92	14087.51	PASS
SEC.10-T05N-R67W	SLOT#02 EX. PHILLIPS 1 (650'FNL & 643'FEL, CODL/PR)	EX. PHILLIPS 1	EX. PHILLIPS 1 AWP	EX. PHILLIPS 1 AWP	17292.80	3773.89	17292.80	17292.80	4.94	17292.80	PASS
SEC.03-T05N-R67W	SLOT#03 EX. SHURVIEW 13N-3HZ (1999'FSL & 1164'FEL, NBRR/PR)	EX. SHURVIEW 13N-3HZ	EX. SHURVIEW 13N-3HX AWP	EX. SHURVIEW 13N-3HX AWP	17292.80	2362.17	17292.80	17292.80	4.96	17292.80	PASS
SEC.10-T05N-R67W	SLOT#01 EX. HIGH POINTE LLC 10E-402 (739'FNL & 425'FWL, XX)	EX. HIGH POINTE LLC 10E-402	EX. HIGH POINTE LLC 10E-402 PWB	EX. HIGH POINTE LLC 10E-402 PWP	17292.80	3220.54	17292.80	17292.80	5.23	17292.80	PASS
	SLOT#01 EX. BRANDONDI 1 (682'FSL & 666'FWL, NB-CD/SI)	EX. BRANDONDI 1	EX. BRANDONDI 1 AWP	EX. BRANDONDI 1 AWP	920.00	1101.52	920.00	6920.00	5.25	6920.00	PASS

OFFSET WELL CLEARANCE SUMMARY (59 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.06-T05N-R66W											
SEC.03-T05N-R67W	SLOT#09 EX. SHURVIEW USX N 03-02D (2108'FNL & 1934'FEL-NB-CD/SI)	EX. SHURVIEW USX N 03-02D	EX. SHURVIEW USX N 03-02D AWB	EX. SHURVIEW USX N 03-02D AWP	17292.80	2721.52	17292.80	17292.80	6.72	17292.80	PASS



**Clearance Report**  
GREELEY-ROTHER FEDERAL 32C-2-L PWP (REV-A.0)  
Closest Approach  
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**REFERENCE WELLPATH IDENTIFICATION**

Operator	SRC ENERGY	Slot	SLOT#13 GREELEY-ROTHER FEDERAL 32C-2-L (1163'FSL & 295'FEL, SEC.01)
Area	COLORADO	Well	GREELEY-ROTHER FEDERAL 32C-2-L
Field	WELD COUNTY (NAD83,TRUE NORTH)	Wellbore	GREELEY-ROTHER FEDERAL 32C-2-L PWB
Facility	SEC.01-T05N-R67W		

**CALCULATION RANGE & CUTOFF**

From: 20.00ft MD	To: 17292.80ft MD	C-C Cutoff: 1000.00 ft
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**OFFSET WELL CLEARANCE SUMMARY** (59 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane

Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.11-T05N-R67W	SLOT#02 EX. SKYWAY 3-11 (489'FNL & 627'FWL, NB-CD/PR)	EX. SKYWAY 3-11	EX. SKYWAY 3-11 AWB	EX. SKYWAY 3-11 AWP	15901.91	3472.78	15901.91	16489.64	7.26	16489.64	PASS
SEC.03-T05N-R67W	SLOT#08 EX. SHUR VIEW 20-3 (1317'FSL & 1498'FEL, NB-CD/SI)	EX. SHUR VIEW 20-3	EX. SHUR VIEW 20-3 AWB	EX. SHUR VIEW 20-3 AWP	17292.80	2525.81	17292.80	17292.80	7.69	17292.80	PASS
SEC.11-T05N-R67W	SLOT#04 EX. SKYWAY FEDERAL 31-11 (450'FNL & 582'FWL, NB-CD/PR)	EX. SKYWAY FEDERAL 31-11	EX. SKYWAY FEDERAL 31-11 AWB	EX. SKYWAY FEDERAL 31-11 AWP	17292.80	4047.28	17292.80	17292.80	7.88	17292.80	PASS
SEC.11-T05N-R67W	SLOT#01 EX. SKYWAY 18-11 (507'FNL & 650'FWL, NB-CD/PR)	EX. SKYWAY 18-11	EX. SKYWAY 18-11 AWB	EX. SKYWAY 18-11 AWP	16556.25	4138.91	16556.25	17292.80	8.25	17292.80	PASS
SEC.01-T05N-R67W	SLOT#03 EX. GENESIS 9-1-20 (725'FSL & 378'FEL, XX)	EX. GENESIS 9-1-20	EX. GENESIS 9-1-20 PWB	EX. GENESIS 9-1-20 PWP	20.00	446.66	8820.00	9051.45	8.76	9051.45	PASS
SEC.01-T05N-R67W	SLOT#04 EX. GENESIS 9-1-39 (700'FSL & 378'FEL, XX)	EX. GENESIS 9-1-39	EX. GENESIS 9-1-39 PWB	EX. GENESIS 9-1-39 PWP	20.00	471.77	7720.00	243.49	9.52	8020.00	PASS
SEC.12-T05N-R67W	SLOT#02 EX. SHEEP 2-12 (2297'FSL & 1448'FEL, NB-CD/PR)	EX. SHEEP 2-12	EX. SHEEP 2-12 AWB	EX. SHEEP 2-12 AWP	9410.00	3300.71	9410.00	10999.60	17.30	13420.00	PASS
SEC.12-T05N-R67W	SLOT#01 EX. DETIENNE 1-12 (1980'FNL & 604'FEL, NB-CD/PR)	EX. DETIENNE 1-12	EX. DETIENNE 1-12 AWB	EX. DETIENNE 1-12 AWP	4380.00	2990.05	8020.00	10074.28	22.61	10074.28	PASS
SEC.07-T5N-R66W	SLOT#02 EX. UPRC 7-4H6 (671'FNL & 646'FWL, NB-CD/PR)	EX. UPRC 7-4H6	EX. UPRC 7-4H6 AWB	EX. UPRC 7-4H6 AWP	204.00	2210.39	204.00	9829.90	33.66	9829.90	PASS