

## Rush 4-65 29-30 1CH Plan #0 Anti-Collision Summary Report

**Analysis Date-24hr Time:** June 23, 2020 - 15:35  
**Client:** Crestone Peak Resources  
**Field:** CO, Arapahoe County (NAD 83 CZ)  
**Structure:** Crestone Peak 28-04S-65W (Rush North Pad)  
**Slot:** Rush 4-65 29-30 1CH  
**Well:** Rush 4-65 29-30 1CH  
**Borehole:** Original Hole  
**Scan MD Range:** 0.00ft - 18181.64ft

**Analysis Method:** 3D Least Distance  
**Reference Trajectory:** Rush 4-65 29-30 1CH Plan #0 (Def Plan)  
**Depth Interval:** Every 10.00 Measured Depth (ft)  
**Rule Set:** D&M AntiCollision Standard S002 v5.1/5.2  
**Min Pts:** All local minima indicated.  
**Version / Patch:** 2.10.810.1  
**Database \ Project:** localhost\drilling-Colorado

**Trajectory Error Model:** ICSWSA0 3-D 95.000% Confidence 2.7955 sigma, for subject well. For offset wells, error model version is specified with each well respectively.

### Offset Trajectories Summary

#### Offset Selection Criteria

Wellhead distance scan: Not performed!  
 Selection filters: Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans  
 - All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
Results highlighted: Sep-Factor separation <= 1.50 ft													
Cottonwood Creek 4-65 28-27													
1CH Plan #0 (Def Plan)													
	24.91	20.12	23.93	4.79	N/A	MAS = 6.13 (m)	0.00	0.00	CtCt<=15m<15.00		Enter Alert	Warning Alert	
	24.91	20.12	23.92	4.79	10769.46	MAS = 6.13 (m)	28.00	28.00			WRP		
	23.39	20.12	19.99	3.27	9.30	MAS = 6.13 (m)	460.00	460.00			MinPts		
	23.44	20.12	19.93	3.32	8.88	MAS = 6.13 (m)	480.00	480.00			MINPT-O-EOU		
	26.45	20.12	22.27	6.32	7.97	MAS = 6.13 (m)	590.00	589.94			MinPt-O-SF		
	49.21	20.12	43.29	29.08	9.78	MAS = 6.13 (m)	870.00	868.50	CtCt<=15m>15.00		Exit Alert		
	687.46	59.80	647.27	627.66	17.51	OSF1.50	7330.00	7203.15			MinPt-O-SF		
	249.50	66.78	204.65	182.72	5.67	OSF1.50	8030.00	7804.16			MinPts		
	9789.38	60.26	9748.88	9729.12	247.71	OSF1.50	18181.64	7950.00			TD		
Cottonwood Creek 4-65 28-27													
1AH Plan #0 (Def Plan)													
	25.06	20.22	24.07	4.83	N/A	MAS = 6.16 (m)	0.00	0.00	CtCt<=15m<15.00		Enter Alert	Warning Alert	
	25.04	20.22	24.05	4.82	N/A	MAS = 6.16 (m)	28.00	28.00			WRP		
	25.04	20.22	22.89	4.82	20.64	MAS = 6.16 (m)	250.00	250.00			MinPts		
	25.12	20.22	22.79	4.89	17.89	MAS = 6.16 (m)	280.00	280.00			MINPT-O-EOU		
	48.84	20.22	43.14	26.62	10.15	MAS = 6.16 (m)	820.00	818.97	CtCt<=15m>15.00		Exit Alert		
	59.28	20.22	52.47	39.05	10.01	MAS = 6.16 (m)	990.00	986.81			MinPt-O-SF		
	61.25	20.22	54.25	41.03	10.01	MAS = 6.16 (m)	1020.00	1016.25			MinPt-O-SF		
	804.15	66.75	759.32	737.40	18.32	OSF1.50	7440.00	7310.97			MinPt-O-SF		
	532.44	73.08	483.40	459.37	11.06	OSF1.50	8110.00	7848.48			MinPt-CtCt		
	532.46	73.20	483.33	459.26	11.04	OSF1.50	8120.00	7853.50			MinPts		
	533.44	73.50	484.12	459.95	11.01	OSF1.50	8150.00	7867.85			MinPt-O-SF		
	9796.55	71.94	9748.26	9724.60	207.07	OSF1.50	18181.64	7950.00			TD		
Rush 4-65 29-30 2AH Plan #0													
(Def Plan)													
	49.95	32.81	48.96	17.14	N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Warning Alert	
	49.95	32.81	48.96	17.14	11019.76	MAS = 10.00 (m)	28.00	28.00			WRP		
	49.94	32.81	46.40	17.14	19.16	MAS = 10.00 (m)	470.00	470.00			MinPts		
	50.53	32.81	45.83	17.72	13.31	MAS = 10.00 (m)	660.00	659.81			MINPT-O-EOU		
	59.86	32.81	52.87	27.05	9.81	MAS = 10.00 (m)	1016.79	1013.10			MinPt-O-SF		
	527.47	59.99	487.14	467.47	13.38	OSF1.50	7300.00	7173.74			MinPt-O-SF		
	604.87	182.56	482.83	422.30	4.99	OSF1.50	11140.00	7950.00	OSF<5.00		Enter Alert		
	604.87	539.94	244.58	64.93	1.68	OSF1.50	18181.64	7950.00			MinPts		
Rush 4-65 29-30 1AH Plan #0													
(Def Plan)													
	50.17	32.81	49.18	17.36	N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Warning Alert	
	50.08	32.81	49.09	17.27	N/A	MAS = 10.00 (m)	28.00	28.00			WRP		
	50.08	32.81	47.93	17.27	42.34	MAS = 10.00 (m)	250.00	250.00			MinPts		
	50.18	32.81	47.85	17.37	36.52	MAS = 10.00 (m)	280.00	280.00			MINPT-O-EOU		
	165.66	32.81	151.25	132.86	12.26	MAS = 10.00 (m)	2000.00	1977.13			MinPt-O-SF		
	592.89	68.03	547.21	524.86	13.24	OSF1.50	7500.00	7369.33			MinPt-O-SF		
	598.93	86.70	540.80	512.23	10.46	OSF1.50	8670.00	7950.00			MinPt-CtCt		
	600.09	180.74	479.27	419.36	5.00	OSF1.50	10900.00	7950.00	OSF<5.00		Enter Alert		
	603.89	549.13	237.48	54.78	1.63	OSF1.50	18181.64	7950.00			MinPts		
Rush 4-65 29-30 2CH Plan #0													
(Def Plan)													
	99.90	32.81	98.91	67.09	N/A	MAS = 10.00 (m)	0.00	0.00			Surface	Warning Alert	
	99.90	32.81	98.90	67.09	11130.52	MAS = 10.00 (m)	28.00	28.00			WRP		
	99.90	32.81	96.47	67.09	40.60	MAS = 10.00 (m)	450.00	450.00			MinPts		
	100.02	32.81	96.37	67.21	37.13	MAS = 10.00 (m)	490.00	490.00			MINPT-O-EOU		
	277.39	32.81	264.11	244.59	22.47	MAS = 10.00 (m)	2000.00	1977.13			MinPt-O-SF		
	1095.03	59.08	1055.32	1035.95	28.25	OSF1.50	7409.77	7281.37			MinPt-O-SF		
	1199.54	73.89	1149.95	1125.65	24.66	OSF1.50	8510.00	7950.00			MinPt-CtCt		
	1198.77	360.93	958.82	838.83	5.00	OSF1.50	14570.00	7950.00	OSF<5.00		Enter Alert		
	1199.90	547.24	834.74	652.66	3.29	OSF1.50	18181.64	7950.00			MinPts		
Rush 4-65 29-30 3AH MWD 0'													
to 15645' - PR (Def Survey)													
	1473.14	32.81	1471.09	1440.33	6149.12	MAS = 10.00 (m)	0.00	0.00			Surface	Warning Alert	
	1472.42	32.81	1470.11	1439.61	2986.77	MAS = 10.00 (m)	28.00	28.00			WRP		
	1459.61	32.81	1454.68	1426.80	467.39	MAS = 10.00 (m)	530.00	529.99			MinPts		
	1459.63	32.81	1454.65	1426.83	459.19	MAS = 10.00 (m)	540.00	539.99			MINPT-O-EOU		
	1732.85	32.81	1718.24	1700.04	133.09	MAS = 10.00 (m)	2360.00	2330.11			MinPt-O-SF		
	1854.89	32.81	1838.78	1822.08	127.78	MAS = 10.00 (m)	3250.00	3202.74			MinPts		
	1854.90	32.81	1838.77	1822.09	127.57	MAS = 10.00 (m)	3260.00	3212.55			MINPT-O-EOU		
	1859.79	32.81	1842.55	1826.99	118.79	MAS = 10.00 (m)	3650.00	3594.94			MINPT-O-EOU		
	1905.69	35.72	1881.34	1869.97	83.72	OSF1.50	5350.00	5261.78			MINPT-O-EOU		
	1905.81	35.86	1881.37	1869.95	83.38	OSF1.50	5370.00	5281.39			MinPt-ADP		
	1912.05	39.06	1885.48	1872.99	76.52	OSF1.50	5810.00	5712.81			MinPt-CtCt		
	1912.10	39.20	1885.43	1872.89	76.22	OSF1.50	5830.00	5732.41			MINPT-O-EOU		
	1912.15	39.28	1885.43	1872.87	76.07	OSF1.50	5840.00	5742.22			MinPt-ADP		
	1913.21	41.92	1884.73	1871.29	71.12	OSF1.50	6180.00	6075.59			MinPt-CtCt		
	1913.24	42.07	1884.68	1871.17	70.87	OSF1.50	6200.00	6095.20			MINPT-O-EOU		
	1913.36	42.21	1884.69	1871.15	70.62	OSF1.50	6220.00	6114.81			MinPt-ADP		

...Rush 4-65 29-30 1CH\Original Hole\Rush 4-65 29-30 1CH Plan #0

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	1923.20	45.71	1892.19	1877.49	65.35	OSF1.50	6680.00	6546.22				MinPt-CtCt	
	1923.28	45.94	1892.12	1877.34	65.02	OSF1.50	6680.00	6575.64				MINPT-O-EOU	
	1923.35	46.01	1892.14	1877.34	64.91	OSF1.50	6700.00	6585.44				MinPt-O-ADP	
	1955.52	57.72	1916.51	1897.80	52.23	OSF1.50	7840.00	7672.26				MinPt-CtCt	
	1950.59	74.14	1900.63	1876.45	40.30	OSF1.50	8570.00	7950.00				MinPt-CtCt	
	1948.97	110.36	1874.86	1838.61	26.86	OSF1.50	9150.00	7950.00				MinPt-CtCt	
	1950.06	113.73	1873.70	1836.32	26.07	OSF1.50	9240.00	7950.00				MINPT-O-EOU	
	1954.59	118.97	1874.75	1835.63	24.96	OSF1.50	9360.00	7950.00				MinPt-O-ADP	
	1959.61	123.66	1876.64	1835.95	24.06	OSF1.50	9450.00	7950.00				MinPt-O-ADP	
	1916.50	323.30	1700.43	1593.20	8.93	OSF1.50	11970.00	7950.00				MinPt-CtCt	
	1852.82	486.46	1527.97	1366.35	5.73	OSF1.50	14050.00	7950.00				MinPt-CtCt	
	1862.81	513.04	1520.24	1349.76	5.46	OSF1.50	14470.00	7950.00				MINPT-O-EOU	
	1889.82	556.34	1518.39	1333.48	5.11	OSF1.50	15030.00	7950.00				MINPT-O-EOU	
	1893.27	560.27	1519.22	1333.00	5.08	OSF1.50	15100.00	7950.00				MinPt-O-ADP	
	1904.00	571.09	1522.74	1332.91	5.01	OSF1.50	15270.00	7950.00				MinPt-O-ADP	
	1907.58	573.66	1524.61	1333.92	5.00	OSF1.50	15320.00	7950.00	OSF<5.00			Enter Alert	
	1923.48	625.15	1506.18	1298.33	4.62	OSF1.50	15820.00	7950.00				MinPt-CtCt	
	1923.50	625.19	1506.17	1298.30	4.62	OSF1.50	15830.00	7950.00				MinPts	
	1923.56	625.22	1506.22	1298.34	4.62	OSF1.50	15840.00	7950.00				MinPt-O-SF	
	2002.87	603.48	1600.01	1399.38	4.99	OSF1.50	16380.00	7950.00	OSF<5.00			Exit Alert	
	3044.53	407.43	2772.38	2637.11	11.25	OSF1.50	18181.64	7950.00				TD	
Cottonwood Creek 4-65 28-27 2AH Plan #0 (Def Plan)													Pass
	74.86	32.81	73.87	42.05	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	74.86	32.81	73.87	42.05	11083.97	MAS = 10.00 (m)	28.00	28.00				WRP	
	74.86	32.81	72.76	42.05	66.23	MAS = 10.00 (m)	240.00	240.00				MinPts	
	75.07	32.81	72.44	42.26	45.09	MAS = 10.00 (m)	340.00	340.00				MINPT-O-EOU	
	124.54	32.81	118.27	91.73	23.37	MAS = 10.00 (m)	950.00	947.47				MinPt-O-SF	
	1164.52	57.48	1125.87	1107.04	30.89	OSF1.50	7200.00	7075.69				MinPt-O-SF	
	1000.67	62.08	958.95	938.59	24.54	OSF1.50	7790.00	7632.17				MinPts	
	1001.03	62.15	959.27	936.88	24.52	OSF1.50	7820.00	7656.46				MinPt-O-SF	
	9845.44	63.81	9802.57	9781.63	235.06	OSF1.50	18181.64	7950.00				TD	
Cottonwood Creek 4-65 28-27 3AH Plan #0 (Def Plan)													Pass
	124.81	32.81	123.82	92.00	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	124.81	32.81	123.81	92.00	11146.89	MAS = 10.00 (m)	28.00	28.00				WRP	
	124.81	32.81	122.70	92.00	110.38	MAS = 10.00 (m)	240.00	240.00				MinPts	
	124.83	32.81	122.63	92.02	101.62	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	457.85	32.81	444.95	425.04	38.38	MAS = 10.00 (m)	2000.00	1977.13				MinPt-O-SF	
	1773.76	59.24	1733.94	1714.52	45.65	OSF1.50	7420.00	7291.39				MinPt-O-SF	
	1759.08	59.47	1719.11	1699.61	45.09	OSF1.50	7790.00	7632.17				MinPt-CtCt	
	1759.10	59.53	1719.09	1699.56	45.04	OSF1.50	7800.00	7640.35				MINPT-O-EOU	
	1759.15	59.59	1719.09	1699.55	45.00	OSF1.50	7810.00	7648.44				MinPt-O-ADP	
	1783.91	61.26	1742.74	1722.65	44.37	OSF1.50	8180.00	7881.12				MinPt-O-SF	
	1823.04	63.04	1780.69	1760.00	44.05	OSF1.50	8499.68	7950.00				MinPt-O-SF	
	1872.79	65.37	1828.89	1807.43	43.61	OSF1.50	8780.00	7950.00				MinPt-O-SF	
	1885.08	65.80	1840.89	1819.28	43.60	OSF1.50	8830.00	7950.00				MinPt-O-SF	
	9920.07	78.30	9867.54	9841.77	192.44	OSF1.50	18181.64	7950.00				TD	
Little Rush 4-65 28 1V MWD 0' to 8693' - PR (Def Survey)													Pass
	1512.40	32.81	1510.55	1479.59	38272.39	MAS = 10.00 (m)	0.00	0.00				Surface	
	1512.37	32.81	1510.45	1479.56	14427.50	MAS = 10.00 (m)	28.00	28.00				WRP	
	1510.81	32.81	1506.90	1478.00	719.18	MAS = 10.00 (m)	460.00	460.00				MinPts	
	1510.88	32.81	1506.85	1478.08	678.79	MAS = 10.00 (m)	480.00	480.00				MINPT-O-EOU	
	1765.93	32.81	1754.74	1733.12	183.92	MAS = 10.00 (m)	2100.00	2075.18				MinPt-O-SF	
	2807.23	45.44	2776.40	2761.78	95.99	OSF1.50	7500.00	7369.33				MinPt-O-SF	
	3070.08	53.27	3034.03	3016.81	89.09	OSF1.50	8499.68	7950.00				MinPt-O-SF	
	3709.48	70.68	3661.83	3638.80	80.52	OSF1.50	9860.00	7950.00				MinPt-O-SF	
	10980.89	96.29	10916.16	10884.60	173.94	OSF1.50	18181.64	7950.00				TD	
Rush 4-65 29-30 3CH Plan #0 (Def Plan)													Pass
	1687.40	32.81	1686.38	1654.59	45454.32	MAS = 10.00 (m)	0.00	0.00				Surface	
	1687.40	32.81	1686.32	1654.59	16981.81	MAS = 10.00 (m)	28.00	28.00				WRP	
	1671.65	32.81	1666.74	1638.84	425.55	MAS = 10.00 (m)	620.00	619.90				MinPts	
	1671.72	32.81	1666.68	1638.91	412.40	MAS = 10.00 (m)	640.00	639.86				MINPT-O-EOU	
	1837.48	32.81	1823.47	1804.67	140.99	MAS = 10.00 (m)	2100.00	2075.18				MinPt-O-SF	
	2591.41	544.46	2228.11	2046.95	7.15	OSF1.50	18181.64	7950.00				MinPts	
Cottonwood Creek 4-65 28-27 4DH Plan #0 (Def Plan)													Pass
	1712.40	32.81	1711.38	1679.59	48449.04	MAS = 10.00 (m)	0.00	0.00				Surface	
	1712.40	32.81	1711.32	1679.59	17547.60	MAS = 10.00 (m)	28.00	28.00				WRP	
	1712.40	32.81	1710.41	1679.59	1707.91	MAS = 10.00 (m)	200.00	200.00				MinPts	
	1712.52	32.81	1710.27	1679.72	1352.72	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	2239.35	32.81	2226.87	2206.54	194.77	MAS = 10.00 (m)	2400.00	2369.33				MinPt-O-SF	
	4963.19	111.18	4888.74	4852.01	67.54	OSF1.50	11330.00	7950.00				MinPt-O-SF	
	10523.70	142.24	10428.55	10381.46	111.74	OSF1.50	18181.64	7950.00				TD	
Rush 4-65 29-30 4AH Plan #0 (Def Plan)													Pass
	1737.04	32.81	1736.00	1704.23	32559.63	MAS = 10.00 (m)	0.00	0.00				Surface	
	1737.04	32.81	1735.94	1704.23	15027.52	MAS = 10.00 (m)	28.00	28.00				WRP	
	1737.04	32.81	1733.46	1704.23	669.25	MAS = 10.00 (m)	450.00	450.00				MinPts	
	1737.11	32.81	1733.40	1704.30	638.56	MAS = 10.00 (m)	470.00	470.00				MINPT-O-EOU	
	2027.64	32.81	2016.03	1994.83	190.65	MAS = 10.00 (m)	2120.00	2094.79				MinPt-O-SF	
	3243.37	545.18	2879.58	2696.18	6.94	OSF1.50	18181.64	7950.00				MinPts	
Rush 4-65 29-30 4CH Plan #0 (Def Plan)													Pass
	1786.70	32.81	1785.65	1753.89	27812.52	MAS = 10.00 (m)	0.00	0.00				Surface	
	1786.70	32.81	1785.59	1753.89	14126.22	MAS = 10.00 (m)	28.00	28.00				WRP	
	1786.70	32.81	1784.73	1753.89	1809.50	MAS = 10.00 (m)	190.00	190.00				MinPts	
	1786.73	32.81	1784.69	1753.92	1697.79	MAS = 10.00 (m)	210.00	210.00				MINPT-O-EOU	
	2259.13	32.81	2246.18	2226.33	188.72	MAS = 10.00 (m)	2290.00	2261.47				MinPt-O-SF	
	3891.15	543.52	3528.47	3347.63	10.76	OSF1.50	18181.64	7950.00				MinPts	
Cottonwood Creek 4-65 27-28 3CH MWD 0' to 18345' - PR (Def Survey)													Pass
	7992.48	250.37	7824.96	7742.11	48.22	OSF1.50	0.00	0.00				Surface	
	7964.78	250.61	7797.11	7714.18	48.01	OSF1.50	28.00	28.00				WRP	
	2506.53	711.51	2031.36	1795.02	5.30	OSF1.50	7540.00	7407.79				MinPt-CtCt	

...Rush 4-65 29-30 1CH\Original Hole\Rush 4-65 29-30 1CH Plan #0

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
Cottonwood Creek 4-65 27-28 3DH MWD 0' to 17955' - PR (Def Survey)	2507.31	713.99	2030.46	1793.32	5.28	OSF1.50	7600.00	7464.49				MINPT-O-EOU	
	2507.93	714.71	2030.59	1793.21	5.28	OSF1.50	7620.00	7483.08				MinPt-O-ADP	
	2512.92	717.28	2033.83	1795.64	5.27	OSF1.50	7710.00	7564.21				MinPt-O-SF	
	10778.45	199.31	10645.04	10579.14	81.76	OSF1.50	18181.64	7950.00				TD	
Cottonwood Creek 4-65 27-28 3DH MWD 0' to 17955' - PR (Def Survey)													Pass
	8123.22	254.21	7953.14	7869.01	48.27	OSF1.50	0.00	0.00				Surface	
	8095.70	254.50	7925.42	7841.19	48.05	OSF1.50	28.00	28.00				WRP	
	2873.43	673.75	2423.24	2199.69	6.42	OSF1.50	7500.00	7369.33				MinPt-CiCt	
	2873.94	675.17	2422.79	2198.77	6.41	OSF1.50	7540.00	7407.79				MINPT-O-EOU	
	2874.22	675.49	2422.85	2198.72	6.41	OSF1.50	7550.00	7417.33				MinPt-O-ADP	
	2879.23	677.77	2426.32	2201.46	6.40	OSF1.50	7640.00	7501.47				MinPt-O-SF	
	11226.34	206.59	11088.08	11019.75	82.14	OSF1.50	18181.64	7950.00				TD	
Cottonwood Creek 4-65 27-28 4AH MWD 0' to 18257' - PR (Def Survey)													Pass
	8120.65	273.61	7937.63	7847.03	44.81	OSF1.50	0.00	0.00				Surface	
	8093.38	274.01	7910.10	7819.37	44.59	OSF1.50	28.00	28.00				WRP	
	3151.81	717.36	2673.04	2434.46	6.60	OSF1.50	7440.00	7310.97				MinPt-CiCt	
	3152.52	719.46	2672.34	2433.06	6.58	OSF1.50	7500.00	7369.33				MINPT-O-EOU	
	3153.33	720.40	2672.52	2432.92	6.58	OSF1.50	7530.00	7398.21				MinPt-O-ADP	
	3161.08	723.85	2677.96	2437.22	6.56	OSF1.50	7670.00	7528.70				MinPt-O-SF	
	10932.23	244.61	10768.62	10687.62	67.47	OSF1.50	18181.64	7950.00				TD	
Cottonwood Creek 4-65 27-28 4BH MWD 0' to 18288' - PR (Def Survey)													Pass
	8273.69	280.65	8085.99	7993.04	44.50	OSF1.50	0.00	0.00				Surface	
	8246.64	281.09	8058.64	7965.55	44.28	OSF1.50	28.00	28.00				WRP	
	3485.88	706.22	3014.54	2779.67	7.42	OSF1.50	7440.00	7310.97				MinPt-CiCt	
	3487.85	711.02	3013.31	2776.83	7.37	OSF1.50	7550.00	7417.33				MINPT-O-EOU	
	3489.55	720.43	3008.73	2769.12	7.28	OSF1.50	7590.00	7455.14				MinPts	
	3496.65	722.94	3014.16	2773.71	7.27	OSF1.50	7710.00	7564.21				MinPt-O-SF	
	11036.27	264.01	10859.73	10772.26	63.08	OSF1.50	18181.64	7950.00				TD	
Cottonwood Creek 4-65 27 1H Pilot 0' to 8261' - PR (Def Survey)													Pass
	5095.22	32.81	5093.34	5062.41	80534.80	MAS = 10.00 (m)	0.00	0.00				Surface	
	5095.21	32.81	5093.27	5062.40	40219.18	MAS = 10.00 (m)	28.00	28.00				WRP	
	5095.20	32.81	5093.10	5062.39	17756.05	MAS = 10.00 (m)	70.00	70.00				MinPts	
	5095.09	32.81	5090.87	5062.28	2115.80	MAS = 10.00 (m)	470.00	470.00				MinPts	
	5095.39	32.81	5090.52	5062.58	1668.20	MAS = 10.00 (m)	580.00	579.96				MINPT-O-EOU	
	5155.41	32.81	5144.56	5122.60	557.44	MAS = 10.00 (m)	2320.00	2290.89				MinPt-O-SF	
	5655.63	46.26	5624.26	5609.37	189.92	OSF1.50	7870.00	7695.33				MinPt-O-SF	
	15824.64	49.56	15791.06	15775.08	494.90	OSF1.50	18181.64	7950.00				TD	
Cottonwood Creek 4-65 27 1H ST1 7234' to 12126' - PR (Def Survey)													Pass
	5095.22	32.81	5093.34	5062.41	80534.80	MAS = 10.00 (m)	0.00	0.00				Surface	
	5095.21	32.81	5093.27	5062.40	40219.18	MAS = 10.00 (m)	28.00	28.00				WRP	
	5095.20	32.81	5093.10	5062.39	17756.05	MAS = 10.00 (m)	70.00	70.00				MinPts	
	5095.09	32.81	5090.87	5062.28	2115.80	MAS = 10.00 (m)	470.00	470.00				MinPts	
	5095.39	32.81	5090.52	5062.58	1668.20	MAS = 10.00 (m)	580.00	579.96				MINPT-O-EOU	
	5155.41	32.81	5144.56	5122.60	557.44	MAS = 10.00 (m)	2320.00	2290.89				MinPt-O-SF	
	5554.94	45.03	5524.38	5509.91	191.82	OSF1.50	7660.00	7519.67				MinPt-O-SF	
	15848.78	46.41	15817.30	15802.36	530.47	OSF1.50	18181.64	7950.00				TD	
Chico 4-65 26-25 2BH MWD 0' to 17932' - PR (Def Survey)													Pass
	10522.41	32.81	10520.54	10489.60	177182.49	MAS = 10.00 (m)	0.00	0.00				MinPts	
	10522.69	32.81	10520.79	10489.88	119871.98	MAS = 10.00 (m)	28.00	28.00				WRP	
	10539.30	32.81	10533.13	10506.49	2422.56	MAS = 10.00 (m)	840.00	838.80				MINPT-O-EOU	
	10597.29	32.81	10586.42	10564.48	1144.16	MAS = 10.00 (m)	2100.00	2075.18				MinPt-O-SF	
	10604.08	32.81	10593.23	10571.27	1147.16	MAS = 10.00 (m)	2240.00	2212.45				MinPt-O-SF	
	10372.67	41.17	10344.55	10331.50	397.35	OSF1.50	6630.00	6516.81				MinPt-CiCt	
	10372.76	41.48	10344.43	10331.28	394.20	OSF1.50	6680.00	6565.83				MINPT-O-EOU	
	10372.86	41.61	10344.45	10331.25	392.96	OSF1.50	6700.00	6585.44				MinPt-O-ADP	
	10710.14	48.09	10677.55	10662.05	345.55	OSF1.50	8040.00	7810.09				MinPt-O-SF	
	20796.56	47.33	20764.47	20749.23	682.11	OSF1.50	18181.64	7950.00				TD	
Chico 4-65 26-25 2DH MWD 0' to 17975' - PR (Def Survey)													Pass
	10520.90	32.81	10518.93	10488.09	67399.46	MAS = 10.00 (m)	0.00	0.00				MinPt-O-SF	
	10520.84	32.81	10518.90	10488.03	79686.18	MAS = 10.00 (m)	28.00	28.00				WRP	
	10520.74	32.81	10518.43	10487.94	20841.10	MAS = 10.00 (m)	170.00	170.00				MinPts	
	10520.78	32.81	10517.15	10487.98	5787.92	MAS = 10.00 (m)	450.00	450.00				MinPts	
	10520.88	32.81	10517.05	10488.08	5209.81	MAS = 10.00 (m)	500.00	500.00				MINPT-O-EOU	
	10426.27	41.25	10398.15	10385.02	397.00	OSF1.50	6560.00	6448.17				MinPt-CiCt	
	10426.36	41.50	10398.07	10384.86	394.52	OSF1.50	6600.00	6487.39				MINPT-O-EOU	
	10426.46	41.63	10398.08	10384.83	393.29	OSF1.50	6620.00	6507.00				MinPt-O-ADP	
	10764.79	48.64	10731.83	10716.16	343.27	OSF1.50	8030.00	7804.16				MinPt-O-SF	
	20833.01	48.99	20799.82	20784.02	659.45	OSF1.50	18181.64	7950.00				TD	
Chico 4-65 26-25 3AH MWD 0' to 17900' - PR (Def Survey)													Pass
	10520.85	32.81	10518.92	10488.04	87553.57	MAS = 10.00 (m)	0.00	0.00				MinPts	
	10521.03	32.81	10519.03	10488.22	55986.40	MAS = 10.00 (m)	28.00	28.00				WRP	
	10603.02	32.81	10592.03	10570.21	1128.88	MAS = 10.00 (m)	2160.00	2134.01				MinPt-O-SF	
	10483.44	42.88	10454.27	10440.56	382.31	OSF1.50	6460.00	6350.13				MinPt-CiCt	
	10483.51	43.12	10454.18	10440.39	380.15	OSF1.50	6500.00	6389.34				MINPT-O-EOU	
	10483.66	43.30	10454.21	10440.36	378.54	OSF1.50	6530.00	6418.76				MinPt-O-ADP	
	10808.87	50.47	10774.69	10758.40	331.75	OSF1.50	8000.00	7785.72				MinPt-O-SF	
	20887.40	51.65	20852.43	20835.74	625.94	OSF1.50	18181.64	7950.00				TD	
Chico 4-65 26-25 2CH MWD 0' to 17734' - PR (Def Survey)													Pass
	10521.24	32.81	10519.12	10488.43	34650.45	MAS = 10.00 (m)	0.00	0.00				MinPts	
	10521.28	32.81	10519.05	10488.47	25500.72	MAS = 10.00 (m)	28.00	28.00				WRP	
	10521.72	32.81	10518.74	10488.92	8997.95	MAS = 10.00 (m)	230.00	230.00				MINPT-O-EOU	
	10522.31	32.81	10518.58	10489.51	5463.93	MAS = 10.00 (m)	480.00	480.00				MINPT-O-EOU	

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	10594.93	32.81	10584.01	10562.12	1136.58	MAS = 10.00 (m)	2240.00	2212.45				MinPt-O-SF	
	10499.36	38.32	10473.22	10461.03	430.86	OSF1.50	6480.00	6369.73				MinPt-CtCt	
	10499.49	38.66	10473.12	10460.83	427.02	OSF1.50	6530.00	6418.76				MinPt-O-EOU	
	10499.60	38.79	10473.15	10460.81	425.51	OSF1.50	6550.00	6438.37				MinPt-O-ADP	
	10868.74	46.87	10836.97	10821.88	360.15	OSF1.50	8060.00	7821.62				MinPt-O-SF	
	20926.60	46.22	20895.25	20880.38	703.55	OSF1.50	18181.64	7950.00				TD	