

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

**Analysis Date-24hr Time:** June 24, 2020 - 15:16  
**Client:** Crestone Peak Resources  
**Field:** CO, Arapahoe County (NAD 83 CZ)  
**Structure:** Crestone Peak 28-04S-65W (Rush South Pad)  
**Slot:** Rush 4-65 29-30 4CH  
**Well:** Rush 4-65 29-30 4CH  
**Borehole:** Original Hole  
**Scan MD Range:** 0.00ft - 18039.45ft

**Analysis Method:** 3D Least Distance  
**Reference Trajectory:** Rush 4-65 29-30 4CH 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:** ISCWSA0 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

#### Rush 4-65 29-30 4AH Plan #0 (Def Plan)

Warning Alert

50.15	32.81	49.16	17.34	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
49.91	32.81	48.92	17.10	N/A	MAS = 10.00 (m)	28.00	28.00					WRP
49.91	32.81	47.77	17.10	42.41	MAS = 10.00 (m)	250.00	250.00					MinPts
49.92	32.81	47.75	17.12	41.28	MAS = 10.00 (m)	260.00	260.00					MINPT-O-EQU
76.39	32.81	72.60	43.58	26.81	MAS = 10.00 (m)	660.00	658.87					MinPt-O-SF
182.36	32.81	172.80	149.55	21.17	MAS = 10.00 (m)	2010.00	2001.74					MinPt-O-SF
593.77	53.28	557.91	540.48	17.00	OSF1.50	7291.24	7255.08					MinPt-O-SF
653.64	197.25	521.81	456.39	4.99	OSF1.50	11350.00	7950.00	OSF<5.00				Enter Alert
653.62	540.08	293.24	113.54	1.82	OSF1.50	18039.45	7950.00					MinPts

#### Cottonwood Creek 4-65 28-27 4DH Plan #0 (Def Plan)

Warning Alert

75.80	32.81	74.82	42.99	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
74.74	32.81	73.69	41.93	1133.31	MAS = 10.00 (m)	10.00	10.00					MinPts
74.68	32.81	73.70	41.87	N/A	MAS = 10.00 (m)	28.00	28.00					WRP
74.68	32.81	72.57	41.87	65.29	MAS = 10.00 (m)	250.00	250.00					MinPts
74.70	32.81	72.55	41.89	63.53	MAS = 10.00 (m)	260.00	260.00					MINPT-O-EQU
75.06	32.81	72.85	42.25	60.45	MAS = 10.00 (m)	300.00	300.00					MinPt-O-SF
113.79	32.81	109.88	80.98	38.52	MAS = 10.00 (m)	810.00	808.08					MinPt-O-SF
178.33	32.81	167.56	145.52	18.14	MAS = 10.00 (m)	2010.00	2001.74					MinPt-O-SF
655.96	57.45	617.33	598.51	17.40	OSF1.50	7220.00	7184.22					MinPt-O-SF
160.63	50.42	126.69	110.21	4.84	OSF1.50	7860.00	7757.92	OSF<5.00				Enter Alert
143.35	57.25	104.85	86.10	3.80	OSF1.50	7940.00	7808.93					MinPts
143.77	57.46	105.13	86.31	3.78	OSF1.50	7950.00	7814.81					MinPt-O-SF
170.32	53.83	134.10	116.46	4.81	OSF1.50	8040.00	7862.60	OSF<5.00				Exit Alert
9742.02	60.70	9701.22	9681.32	244.69	OSF1.50	18039.45	7950.00					TD

#### Rush 4-65 29-30 3CH Plan #0 (Def Plan)

Warning Alert

100.56	32.81	99.57	67.75	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
99.84	32.81	98.82	67.03	2766.97	MAS = 10.00 (m)	10.00	10.00					MinPts
99.82	32.81	98.83	67.01	N/A	MAS = 10.00 (m)	28.00	28.00					WRP
99.82	32.81	97.70	67.01	87.38	MAS = 10.00 (m)	250.00	250.00					MinPts
99.83	32.81	97.69	67.02	85.02	MAS = 10.00 (m)	260.00	260.00					MINPT-O-EQU
359.10	32.81	346.89	326.29	31.90	MAS = 10.00 (m)	2030.00	2021.63					MinPt-O-SF
1188.01	54.33	1151.47	1133.68	33.38	OSF1.50	7300.00	7263.79					MinPt-O-SF
1299.66	390.73	1038.84	908.93	5.00	OSF1.50	15120.00	7950.00	OSF<5.00				Enter Alert
1299.75	541.72	938.28	758.03	3.60	OSF1.50	18039.45	7950.00					MinPts

#### Rush 4-65 29-30 3AH MWD 0' to 15645' - PR (Def Survey)

Warning Alert

315.60	32.81	313.79	282.79	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
315.32	32.81	313.48	282.51	15633.27	MAS = 10.00 (m)	10.00	10.00					MinPt-O-SF
315.29	32.81	313.48	282.48	N/A	MAS = 10.00 (m)	28.00	28.00					WRP
315.29	32.81	313.45	282.48	11757.90	MAS = 10.00 (m)	40.00	40.00					MinPts
315.31	32.81	313.43	282.50	4335.94	MAS = 10.00 (m)	50.00	50.00					MINPT-O-EQU
526.45	32.81	513.91	493.64	48.01	MAS = 10.00 (m)	2100.00	2091.26					MinPt-O-SF
548.85	32.81	535.83	516.04	47.93	MAS = 10.00 (m)	2310.00	2300.15					MinPt-O-SF
937.24	32.81	919.95	904.43	59.64	MAS = 10.00 (m)	4320.00	4299.54					MinPt-O-SF
1047.05	32.81	1028.30	1014.24	60.97	MAS = 10.00 (m)	4730.00	4707.37					MinPt-O-SF
1097.88	32.81	1078.33	1065.07	61.10	MAS = 10.00 (m)	4920.00	4896.37					MinPt-O-SF
1187.80	32.81	1166.59	1154.99	60.52	MAS = 10.00 (m)	5280.00	5254.47					MinPt-O-SF
1241.17	32.81	1219.11	1208.36	60.61	MAS = 10.00 (m)	5490.00	5463.36					MinPt-O-SF
1296.34	33.49	1273.48	1262.85	60.90	OSF1.50	5700.00	5672.25					MinPt-O-SF
1403.94	36.10	1379.34	1367.84	60.98	OSF1.50	6090.00	6060.19					MinPt-O-SF
1515.33	38.70	1488.99	1476.62	61.20	OSF1.50	6490.00	6458.07					MinPt-O-SF
1649.38	42.13	1620.76	1607.25	61.00	OSF1.50	6970.00	6935.54					MinPt-O-SF
1759.09	44.62	1728.81	1714.47	61.29	OSF1.50	7370.00	7333.16					MinPt-O-SF
1857.15	46.32	1825.74	1810.83	62.24	OSF1.50	7800.00	7715.37					MinPt-O-SF
1977.65	61.48	1936.13	1916.17	49.50	OSF1.50	8420.00	7950.00					MINPT-O-EQU
1974.33	93.06	1911.75	1881.27	32.35	OSF1.50	8820.00	7950.00					MinPt-CiCt
1975.96	97.80	1910.22	1878.16	30.79	OSF1.50	8930.00	7950.00					MINPT-O-EQU
1937.14	187.47	1811.63	1749.68	15.62	OSF1.50	10110.00	7950.00					MinPt-CiCt
1941.84	200.70	1807.51	1741.14	14.62	OSF1.50	10340.00	7950.00					MINPT-O-EQU
1945.35	205.97	1807.50	1739.38	14.27	OSF1.50	10420.00	7950.00					MINPT-O-EQU
1954.99	218.00	1809.12	1736.99	13.54	OSF1.50	10600.00	7950.00					MinPt-O-ADP
1968.40	232.42	1812.92	1735.98	12.78	OSF1.50	10790.00	7950.00					MINPT-O-EQU
1996.30	353.74	1759.94	1642.56	8.50	OSF1.50	12250.00	7950.00					MinPt-CiCt
2011.93	415.83	1734.17	1596.09	7.28	OSF1.50	13110.00	7950.00					MINPT-O-EQU
2014.89	419.26	1734.84	1595.63	7.23	OSF1.50	13170.00	7950.00					MinPt-O-ADP
2032.41	437.26	1740.37	1595.15	6.99	OSF1.50	13430.00	7950.00					MinPt-O-ADP
1981.45	596.17	1583.47	1385.28	4.99	OSF1.50	15300.00	7950.00	OSF<5.00				Enter Alert
1976.56	615.59	1565.63	1360.97	4.82	OSF1.50	15590.00	7950.00					MinPt-CiCt
1977.42	623.58	1561.17	1353.85	4.77	OSF1.50	15710.00	7950.00					MINPT-O-EQU
1977.58	623.75	1561.21	1353.83	4.76	OSF1.50	15720.00	7950.00					MinPt-O-ADP
1978.36	624.18	1561.71	1354.18	4.76	OSF1.50	15750.00	7950.00					MinPt-O-SF
2043.55	614.26	1633.51	1429.29	5.00	OSF1.50	16200.00	7950.00	OSF<5.00				Exit Alert

...Rush 4-65 29-30 4CH\Original Hole\Rush 4-65 29-30 4CH 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		
	3075.58	438.12	2782.97	2637.46	10.56	OSF1.50	18039.45	7950.00				TD	
Cottonwood Creek 4-65 27-28 4BH MWD 0' to 18288' - PR (Def Survey)													
	8061.57	225.00	7910.96	7836.57	54.17	OSF1.50	0.00	0.00				Surface	Warning Alert
	8033.60	225.13	7882.91	7808.47	53.95	OSF1.50	28.00	28.00				WRP	
	1002.75	304.38	799.29	698.37	4.96	OSF1.50	7140.00	7104.64	OSF<5.00			Enter Alert	
	573.63	482.49	250.31	91.14	1.79	OSF1.50	7820.00	7729.94				MinPt-CtCt	
	573.72	482.70	250.22	91.02	1.79	OSF1.50	7830.00	7737.08				MinPts	
	973.12	299.14	770.93	673.98	4.96	OSF1.50	8470.00	7950.00	OSF>5.00			Exit Alert	
	10462.38	57.93	10423.22	10404.45	278.59	OSF1.50	18039.45	7950.00				TD	
Cottonwood Creek 4-65 27-28 4AH MWD 0' to 18257' - PR (Def Survey)													
	7967.93	224.72	7817.51	7743.21	53.60	OSF1.50	0.00	0.00				Surface	Warning Alert
	7939.94	224.83	7789.44	7715.10	53.39	OSF1.50	28.00	28.00				WRP	
	1285.64	390.57	1024.72	895.07	4.95	OSF1.50	6870.00	6836.07	OSF<5.00			Enter Alert	
	785.44	640.41	357.62	145.03	1.84	OSF1.50	7770.00	7692.81				MinPt-CtCt	
	785.61	640.81	357.50	144.80	1.84	OSF1.50	7780.00	7700.42				MinPts	
	1311.52	401.06	1041.83	910.46	4.97	OSF1.50	7680.00	7950.00	OSF>5.00			Exit Alert	
	10473.29	73.86	10423.52	10399.43	217.39	OSF1.50	18039.45	7950.00				TD	
Cottonwood Creek 4-65 27-28 3DH MWD 0' to 17955' - PR (Def Survey)													
	8055.12	219.40	7908.25	7835.72	55.52	OSF1.50	0.00	0.00				Surface	Warning Alert
	8027.17	219.51	7880.22	7807.65	55.30	OSF1.50	28.00	28.00				WRP	
	1513.41	457.52	1207.83	1055.89	4.97	OSF1.50	7010.00	6975.33	OSF<5.00			Enter Alert	
	1258.85	564.01	881.70	694.84	3.36	OSF1.50	7650.00	7595.03				MinPt-CtCt	
	1258.91	564.36	881.52	694.56	3.36	OSF1.50	7660.00	7603.60				MINPT-O-EOU	
	1259.12	564.62	881.54	694.50	3.36	OSF1.50	7670.00	7612.10				MinPt-O-SF	
	1259.49	564.83	881.76	694.67	3.36	OSF1.50	7680.00	7620.53				MinPt-O-SF	
	1555.51	473.55	1237.96	1081.96	4.97	OSF1.50	8330.00	7946.75	OSF>5.00			Exit Alert	
	10901.42	92.30	10839.36	10809.13	180.28	OSF1.50	18039.45	7950.00				TD	
Cottonwood Creek 4-65 27-28 3CH MWD 0' to 18345' - PR (Def Survey)													
	7987.56	232.04	7832.26	7755.52	52.03	OSF1.50	0.00	0.00				Surface	Warning Alert
	7959.64	232.17	7804.25	7727.47	51.82	OSF1.50	28.00	28.00				WRP	
	1762.17	530.23	1408.15	1231.94	5.00	OSF1.50	6760.00	6726.65	OSF<5.00			Enter Alert	
	1400.48	691.31	939.05	709.15	3.04	OSF1.50	7720.00	7653.47				MinPt-CtCt	
	1400.68	691.94	938.85	708.74	3.04	OSF1.50	7740.00	7669.46				MinPts	
	1401.30	692.35	939.20	708.95	3.04	OSF1.50	7760.00	7685.12				MinPt-O-SF	
	1816.14	548.58	1448.95	1267.56	4.99	OSF1.50	8760.00	7950.00	OSF>5.00			Exit Alert	
	10557.95	118.64	10478.32	10439.31	135.30	OSF1.50	18039.45	7950.00				TD	
Little Rush 4-65 28 1V MWD 0' to 8693' - PR (Def Survey)													
	276.40	32.81	274.59	243.59	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	Pass
	276.01	32.81	274.16	243.20	7911.42	MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF	
	275.94	32.81	274.13	243.14	N/A	MAS = 10.00 (m)	28.00	28.00				WRP	
	275.94	32.81	274.13	243.14	61695.94	MAS = 10.00 (m)	30.00	30.00				MinPts	
	276.59	32.81	273.76	243.78	270.33	MAS = 10.00 (m)	230.00	230.00				MINPT-O-EOU	
	277.37	32.81	274.39	244.57	235.63	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	446.59	32.81	437.43	413.78	58.91	MAS = 10.00 (m)	2100.00	2091.26				MinPt-O-SF	
	975.98	40.09	948.72	935.89	37.97	OSF1.50	7300.00	7263.79				MinPt-O-SF	
	10634.19	50.92	10599.71	10583.27	323.43	OSF1.50	18039.45	7950.00				TD	
Cottonwood Creek 4-65 28-27 3AH Plan #0 (Def Plan)													
	1671.40	32.81	1670.41	1638.59	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	Pass
	1670.76	32.81	1669.71	1637.95	25712.37	MAS = 10.00 (m)	28.00	28.00				MinPt-O-SF	
	1670.59	32.81	1668.59	1637.78	1638.72	MAS = 10.00 (m)	250.00	250.00				MinPts	
	1670.61	32.81	1668.58	1637.80	1595.66	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	1671.02	32.81	1668.87	1638.21	1431.15	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	2176.65	56.21	2138.84	2120.43	59.09	OSF1.50	7240.00	7204.11				MinPt-O-SF	
	2120.08	55.24	2082.92	2064.84	58.59	OSF1.50	7840.00	7744.13				MinPt-CtCt	
	2120.08	55.26	2082.91	2064.82	58.56	OSF1.50	7850.00	7751.07				MinPts	
	2436.89	70.69	2389.43	2366.20	52.42	OSF1.50	9340.00	7950.00				MinPt-O-SF	
	9986.86	91.83	9925.31	9895.03	164.88	OSF1.50	18039.45	7950.00				TD	
Rush 4-65 29-30 2CH Plan #0 (Def Plan)													
	1694.53	32.81	1693.54	1661.72	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	Pass
	1693.89	32.81	1692.83	1661.08	25367.85	MAS = 10.00 (m)	28.00	28.00				MinPt-O-SF	
	1693.70	32.81	1691.70	1660.89	1665.64	MAS = 10.00 (m)	250.00	250.00				MinPts	
	1693.72	32.81	1691.69	1660.91	1621.95	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	1936.07	32.81	1923.86	1903.26	172.47	MAS = 10.00 (m)	2230.00	2220.58				MinPt-O-SF	
	2691.36	544.22	2328.21	2147.13	7.43	OSF1.50	18039.45	7950.00				MinPts	
Cottonwood Creek 4-65 28-27 2AH Plan #0 (Def Plan)													
	1717.74	32.81	1716.75	1684.93	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	Pass
	1717.09	32.81	1716.03	1684.28	25061.29	MAS = 10.00 (m)	28.00	28.00				MinPt-O-SF	
	1716.89	32.81	1714.89	1684.08	1692.76	MAS = 10.00 (m)	250.00	250.00				MinPts	
	1716.91	32.81	1714.88	1684.10	1648.44	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	1717.32	32.81	1715.18	1684.51	1478.70	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	1977.51	32.81	1964.95	1944.70	170.72	MAS = 10.00 (m)	2250.00	2240.47				MinPt-O-SF	
	2810.18	56.34	2772.29	2753.84	76.12	OSF1.50	7410.00	7372.43				MinPt-O-SF	
	3392.51	84.43	3335.90	3308.08	60.96	OSF1.50	10090.00	7950.00				MinPt-O-SF	
	3403.21	84.69	3346.42	3318.52	60.97	OSF1.50	10110.00	7950.00				MinPt-O-SF	
	10162.98	110.24	10089.16	10052.75	139.52	OSF1.50	18039.45	7950.00				TD	
Rush 4-65 29-30 2AH Plan #0 (Def Plan)													
	1740.97	32.81	1739.99	1708.16	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	Pass
	1740.31	32.81	1739.26	1707.50	24787.00	MAS = 10.00 (m)	28.00	28.00				MinPt-O-SF	
	1740.10	32.81	1738.11	1707.30	1720.01	MAS = 10.00 (m)	250.00	250.00				MinPts	
	1740.12	32.81	1738.10	1707.31	1675.06	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	2118.83	32.81	2106.11	2086.02	180.43	MAS = 10.00 (m)	2390.00	2379.73				MinPt-O-SF	
	3290.84	543.38	2928.26	2747.46	9.10	OSF1.50	18039.45	7950.00				MinPts	
Cottonwood Creek 4-65 28-27 1CH Plan #0 (Def Plan)													
												Pass	

...Rush 4-65 29-30 4CH\Original Hole\Rush 4-65 29-30 4CH 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		
Rush 4-65 29-30 1CH Plan #0 (Def Plan)													
	1764.28	32.81	1763.29	1731.47	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	1763.61	32.81	1762.56	1730.81	24543.01	MAS = 10.00 (m)	28.00	28.00				MinPt-O-SF	
	1763.39	32.81	1761.40	1730.59	1747.46	MAS = 10.00 (m)	250.00	250.00				MinPts	
	1763.41	32.81	1761.39	1730.60	1701.88	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	1764.02	32.81	1761.88	1731.21	1525.35	MAS = 10.00 (m)	310.00	310.00				MinPt-O-SF	
	2220.60	32.81	2207.39	2187.80	181.51	MAS = 10.00 (m)	2470.00	2459.31				MinPt-O-SF	
	4407.20	102.69	4338.41	4304.51	64.98	OSF1.50	10830.00	7950.00				MinPt-O-SF	
	10392.52	133.46	10303.22	10259.06	117.66	OSF1.50	18039.45	7950.00				TD	
													Pass
Cottonwood Creek 4-65 28-27 1AH Plan #0 (Def Plan)													
	1787.60	32.81	1786.62	1754.80	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	1786.93	32.81	1785.87	1754.12	24324.63	MAS = 10.00 (m)	28.00	28.00				MinPt-O-SF	
	1786.70	32.81	1784.71	1753.89	1775.04	MAS = 10.00 (m)	250.00	250.00				MinPts	
	1786.71	32.81	1784.70	1753.91	1728.84	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	2299.82	32.81	2286.70	2267.01	189.37	MAS = 10.00 (m)	2570.00	2558.78				MinPt-O-SF	
	3891.15	543.52	3528.47	3347.63	10.76	OSF1.50	18039.45	7950.00				MinPts	
													Pass
	1811.00	32.81	1810.02	1778.20	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	1810.32	32.81	1809.27	1777.52	24130.88	MAS = 10.00 (m)	28.00	28.00				MinPt-O-SF	
Rush 4-65 29-30 1AH Plan #0 (Def Plan)													
	1810.08	32.81	1808.09	1777.27	1802.81	MAS = 10.00 (m)	250.00	250.00				MinPts	
	1810.10	32.81	1808.08	1777.29	1755.98	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	1810.70	32.81	1808.56	1777.89	1571.34	MAS = 10.00 (m)	310.00	310.00				MinPt-O-SF	
	2479.63	32.81	2465.68	2446.82	191.09	MAS = 10.00 (m)	2750.00	2737.83				MinPt-O-SF	
	5432.50	121.24	5351.35	5311.27	67.75	OSF1.50	11560.00	7950.00				MinPt-O-SF	
	10671.17	156.11	10566.77	10515.06	103.17	OSF1.50	18039.45	7950.00				TD	
													Pass
	1834.48	32.81	1833.50	1801.67	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	1833.78	32.81	1832.72	1800.97	23208.00	MAS = 10.00 (m)	28.00	28.00				MinPt-O-SF	
Cottonwood Creek 4-65 27 1H Pilot 0' to 8261' - PR (Def Survey)													
	1833.50	32.81	1831.52	1800.69	1835.32	MAS = 10.00 (m)	250.00	250.00				MinPts	
	1833.52	32.81	1831.51	1800.71	1787.86	MAS = 10.00 (m)	260.00	260.00				MINPT-O-EOU	
	1834.12	32.81	1831.99	1801.32	1597.36	MAS = 10.00 (m)	310.00	310.00				MinPt-O-SF	
	2544.86	32.81	2530.96	2512.05	197.02	MAS = 10.00 (m)	2790.00	2777.62				MinPt-O-SF	
	4490.34	544.34	4127.12	3946.00	12.39	OSF1.50	18039.45	7950.00				MinPts	
													Pass
	5744.41	32.81	5742.60	5711.60	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	5744.41	32.81	5742.60	5711.60	N/A	MAS = 10.00 (m)	10.00	10.00				MinPts	
	5744.41	32.81	5742.60	5711.60	N/A	MAS = 10.00 (m)	28.00	28.00				WRP	
Cottonwood Creek 4-65 27 1H ST1 7234' to 12126' - PR (Def Survey)													
	5744.87	32.81	5741.99	5712.06	5423.40	MAS = 10.00 (m)	250.00	250.00				MINPT-O-EOU	
	5745.28	32.81	5742.29	5712.48	4854.99	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	6118.84	41.57	6090.59	6077.26	229.58	OSF1.50	7440.00	7401.61				MinPt-O-SF	
	6192.88	42.08	6164.29	6150.80	229.42	OSF1.50	7650.00	7595.03				MinPt-O-SF	
	6228.58	42.32	6199.83	6186.25	229.38	OSF1.50	7720.00	7653.47				MinPt-O-SF	
	16032.21	73.69	15982.55	15958.52	333.58	OSF1.50	18039.45	7950.00				TD	
													Pass
	5744.41	32.81	5742.60	5711.60	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	5744.41	32.81	5742.60	5711.60	N/A	MAS = 10.00 (m)	10.00	10.00				MinPts	
Chico 4-65 26-25 3AH MWD 0' to 17900' - PR (Def Survey)													
	5744.41	32.81	5742.60	5711.60	N/A	MAS = 10.00 (m)	28.00	28.00				WRP	
	5744.87	32.81	5741.99	5712.06	5423.40	MAS = 10.00 (m)	250.00	250.00				MINPT-O-EOU	
	5745.28	32.81	5742.29	5712.48	4854.99	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	6166.09	41.85	6137.66	6124.24	229.74	OSF1.50	7570.00	7524.09				MinPt-O-SF	
	6255.37	42.44	6226.54	6212.93	229.73	OSF1.50	7740.00	7669.46				MinPt-O-SF	
	16053.34	72.13	16004.72	15981.21	341.38	OSF1.50	18039.45	7950.00				TD	
													Pass
	10870.86	32.81	10869.00	10838.05	229160.07	MAS = 10.00 (m)	0.00	0.00				MinPts	
	10870.97	32.81	10869.08	10838.16	146889.33	MAS = 10.00 (m)	28.00	28.00				WRP	
Chico 4-65 26-25 2DH MWD 0' to 17975' - PR (Def Survey)													
	10873.64	32.81	10870.75	10840.84	10029.28	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	10963.85	32.81	10954.30	10931.04	1378.35	MAS = 10.00 (m)	2370.00	2359.84				MinPt-O-SF	
	10658.59	42.55	10629.50	10616.04	395.78	OSF1.50	6810.00	6776.38				MinPt-CiCt	
	10658.69	42.84	10629.41	10615.85	392.95	OSF1.50	6860.00	6826.12				MINPT-O-EOU	
	10658.79	42.96	10629.43	10615.83	391.83	OSF1.50	6880.00	6846.01				MinPt-O-ADP	
	10867.74	46.20	10836.34	10821.53	366.80	OSF1.50	7800.00	7715.37				MinPt-O-SF	
	20932.40	56.64	20894.11	20875.76	570.46	OSF1.50	18039.45	7950.00				TD	
													Pass
	10877.77	32.81	10875.85	10844.96	99177.77	MAS = 10.00 (m)	0.00	0.00				Surface	
Chico 4-65 26-25 2BH MWD 0' to 17932' - PR (Def Survey)													
	10877.74	32.81	10875.79	10844.93	82473.36	MAS = 10.00 (m)	28.00	28.00				WRP	
	10877.58	32.81	10875.15	10844.77	17642.39	MAS = 10.00 (m)	200.00	200.00				MinPts	
	10877.59	32.81	10874.92	10844.78	12702.42	MAS = 10.00 (m)	250.00	250.00				MINPT-O-EOU	
	10877.79	32.81	10875.08	10844.98	12051.05	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	10880.57	32.81	10878.04	10847.76	15107.73	MAS = 10.00 (m)	450.00	449.84				MinPt-O-SF	
	10665.23	40.77	10637.34	10624.47	414.13	OSF1.50	6830.00	6796.28				MinPt-CiCt	
	10665.31	41.01	10637.25	10624.30	411.53	OSF1.50	6870.00	6836.07				MINPT-O-EOU	
	10665.46	41.20	10637.28	10624.26	409.61	OSF1.50	6900.00	6865.91				MinPt-O-SF	
	10908.18	44.62	10877.86	10863.56	381.18	OSF1.50	7850.00	7751.07				MinPt-O-SF	
Chico 4-65 26-25 2BH MWD 0' to 17932' - PR (Def Survey)													
	20915.47	57.41	20876.67	20858.07	562.19	OSF1.50	18039.45	7950.00				TD	
													Pass
	10891.87	32.81	10890.03	10859.07	352869.51	MAS = 10.00 (m)	0.00	0.00				MinPts	
	10892.02	32.81	10890.15	10859.21	203431.76	MAS = 10.00 (m)	28.00	28.00				WRP	
	10894.89	32.81	10892.17	10862.08	12118.59	MAS = 10.00 (m)	250.00	250.00				MinPt-O-SF	
	10895.78	32.81	10893.06	10862.97	12104.27	MAS = 10.00 (m)	300.00	300.00				MinPt-O-SF	
	10975.78	32.81	10966.42	10942.97	1414.72	MAS = 10.00 (m)	2100.00	2091.26				MinPt-O-SF	
	10983.33	32.81	10974.02	10950.53	1424.19	MAS = 10.00 (m)	2280.00	2270.31				MinPt-O-SF	
	10769.14	40.51	10741.47	10728.63	419.07	OSF1.50	6710.00	6676.91				MinPt-CiCt	
Chico 4-65 26-25 2BH MWD 0' to 17932' - PR (Def Survey)													
	10769.24	40.89	10741.37	10728.42	415.79	OSF1.50	6760.00	6726.65				MINPT-O-EOU	
	10769.35	40.94	10741.39	10728.40	414.49	OSF1.50	6780.00	6746.54				MinPt-O-ADP	
	10997.85	45.06	10967.28	10952.79	379.58	OSF1.50	7820.00	7729.94				MinPt-O-SF	
	20969.69	63.20	20927.02	20906.49	510.58	OSF1.50	18039.45	7950.00				TD	

...Rush 4-65 29-30 4CH\Original Hole\Rush 4-65 29-30 4CH 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		
Chico 4-65 26-25 2CH MWD 0' to 17734' - PR (Def Survey)													Pass
	10884.54	32.81	10882.63	10851.73	120662.69	MAS = 10.00 (m)	0.00	0.00					MinPts
	10884.57	32.81	10882.55	10851.76	51740.13	MAS = 10.00 (m)	28.00	28.00					WRP
	10884.77	32.81	10881.74	10851.96	8975.17	MAS = 10.00 (m)	250.00	250.00					MINPT-O-EOU
	10884.82	32.81	10881.78	10852.01	8879.05	MAS = 10.00 (m)	270.00	270.00					MinPt-O-SF
	10964.85	32.81	10955.44	10932.04	1404.64	MAS = 10.00 (m)	2280.00	2270.31					MinPt-O-SF
	10825.43	38.02	10799.46	10787.41	449.10	OSF1.50	6690.00	6657.02					MinPt-CtCt
	10825.55	38.35	10799.36	10787.20	445.13	OSF1.50	6740.00	6706.75					MINPT-O-EOU
	10825.66	38.48	10799.38	10787.18	443.57	OSF1.50	6760.00	6726.65					MinPt-O-ADP
	11108.19	43.31	11078.78	11064.88	399.46	OSF1.50	7890.00	7777.84					MinPt-O-SF
	21057.02	59.03	21017.13	20997.98	549.96	OSF1.50	18039.45	7950.00					TD