

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Build 2 DLS	2200.00	0.00	116.15	2200.00	0.00	0.00	0.00	0.00
Hold	2756.46	11.13	116.15	2752.97	-48.03	-23.75	48.36	2.00
KOP, Build/Turn 8 DLS	6760.63	11.13	116.15	6681.84	-737.12	-364.41	742.13	0.00
TPZ Point, Hold to TD	8011.21	90.00	270.80	7520.00	-30.22	-425.10	35.99	8.00
Crow 3-64 29-30-25 4AH BHL	23445.24	90.00	270.80	7520.00	15397.95	-208.71	-15396.53	0.00

## Crow 3-64 29-30-25 4AH Plan #0 Proposal Geodetic Report



(Def Plan)

**Report Date:** April 28, 2021 - 02:33 PM  
**Client:** Crestone Peak Resources  
**Field:** CO, Adams County (NAD 83 NZ)  
**Structure / Slot:** Crestone Peak 29-03S-64W (Crow 3-64 29-30 Pad) / Crow 3-64 29-30-25 4AH  
**Well:** Crow 3-64 29-30-25 4AH  
**Borehole:** Original Hole  
**UWI / API#:** Unknown / Unknown  
**Survey Name:** Crow 3-64 29-30-25 4AH Plan #0  
**Survey Date:** April 27, 2021  
**Tort / AHD / DDI / ERD Ratio:** 111.175 ° / 17001.394 ft / 6.770 / 2.261  
**Coordinate Reference System:** NAD83 Colorado State Plane, Northern Zone, US Feet  
**Location Lat / Long:** N 39° 45' 27.84240", W 104° 33' 56.99160"  
**Location Grid N/E Y/X:** N 1155979.848 ftUS, E 3262635.639 ftUS  
**CRS Grid Convergence Angle:** 0.6036 °  
**Grid Scale Factor:** 0.99999363  
**Version / Patch:** 2.10.825.0

**Survey / DLS Computation:** Minimum Curvature / Lubinski  
**Vertical Section Azimuth:** 269.223 ° (True North)  
**Vertical Section Origin:** 0.000 ft, 0.000 ft  
**TVD Reference Datum:** KB 13ft  
**TVD Reference Elevation:** 5548.700 ft above MSL  
**Seabed / Ground Elevation:** 5535.700 ft above MSL  
**Magnetic Declination:** 8.353 °  
**Total Gravity Field Strength:** 998.9420mgn (9.80665 Based)  
**Gravity Model:** GARM  
**Total Magnetic Field Strength:** 51531.280 nT  
**Magnetic Dip Angle:** 66.340 °  
**Declination Date:** April 27, 2021  
**Magnetic Declination Model:** HDGM 2020  
**North Reference:** True North  
**Grid Convergence Used:** 0.0000 °  
**Total Corr Mag North->True North:** 8.3529 °  
**Local Coord Referenced To:** Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
Surface	0.00	0.00	0.00	0.00	-5548.70	0.00	0.00	0.00	N/A	1155979.85	3262635.64	39.757734	-104.565831
	100.00	0.00	116.15	100.00	-5448.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	200.00	0.00	116.15	200.00	-5348.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	300.00	0.00	116.15	300.00	-5248.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	400.00	0.00	116.15	400.00	-5148.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	500.00	0.00	116.15	500.00	-5048.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	600.00	0.00	116.15	600.00	-4948.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	700.00	0.00	116.15	700.00	-4848.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	800.00	0.00	116.15	800.00	-4748.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	900.00	0.00	116.15	900.00	-4648.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1000.00	0.00	116.15	1000.00	-4548.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1100.00	0.00	116.15	1100.00	-4448.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1200.00	0.00	116.15	1200.00	-4348.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1300.00	0.00	116.15	1300.00	-4248.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1400.00	0.00	116.15	1400.00	-4148.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1500.00	0.00	116.15	1500.00	-4048.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1600.00	0.00	116.15	1600.00	-3948.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1700.00	0.00	116.15	1700.00	-3848.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1800.00	0.00	116.15	1800.00	-3748.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	1900.00	0.00	116.15	1900.00	-3648.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	2000.00	0.00	116.15	2000.00	-3548.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	2100.00	0.00	116.15	2100.00	-3448.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
Build 2 DLS	2200.00	0.00	116.15	2200.00	-3348.70	0.00	0.00	0.00	0.00	1155979.85	3262635.64	39.757734	-104.565831
	2300.00	2.00	116.15	2299.98	-3248.72	-1.56	-0.77	1.57	2.00	1155979.10	3262637.21	39.757732	-104.565825
	2400.00	4.00	116.15	2399.84	-3148.86	-6.22	-3.08	6.26	2.00	1155976.84	3262641.94	39.757726	-104.565809
	2500.00	6.00	116.15	2499.45	-3049.25	-13.99	-6.92	14.09	2.00	1155973.08	3262649.80	39.757715	-104.565781
	2600.00	8.00	116.15	2598.70	-2950.00	-24.86	-12.29	25.03	2.00	1155967.82	3262660.79	39.757700	-104.565742
	2700.00	10.00	116.15	2697.47	-2851.23	-38.80	-19.18	39.07	2.00	1155961.08	3262674.91	39.757681	-104.565692
Hold	2756.46	11.13	116.15	2752.97	-2795.73	-48.03	-23.75	48.36	2.00	1155956.61	3262684.24	39.757669	-104.565659
	2800.00	11.13	116.15	2795.69	-2753.01	-55.53	-27.45	55.90	0.00	1155952.99	3262691.83	39.757659	-104.565632
	2900.00	11.13	116.15	2893.81	-2654.89	-72.73	-35.96	73.23	0.00	1155944.66	3262709.24	39.757635	-104.565571
	3000.00	11.13	116.15	2991.93	-2556.77	-89.94	-44.47	90.55	0.00	1155936.34	3262726.66	39.757612	-104.565509
	3100.00	11.13	116.15	3090.05	-2458.65	-107.15	-52.97	107.88	0.00	1155928.02	3262744.07	39.757589	-104.565447
	3200.00	11.13	116.15	3188.17	-2360.53	-124.36	-61.48	125.21	0.00	1155919.69	3262761.49	39.757565	-104.565386
	3300.00	11.13	116.15	3286.29	-2262.41	-141.57	-69.99	142.53	0.00	1155911.37	3262778.90	39.757542	-104.565324
	3400.00	11.13	116.15	3384.41	-2164.29	-158.78	-78.50	159.86	0.00	1155903.04	3262796.31	39.757519	-104.565262
	3500.00	11.13	116.15	3482.52	-2066.18	-175.99	-87.00	177.19	0.00	1155894.72	3262813.73	39.757495	-104.565201
	3600.00	11.13	116.15	3580.64	-1968.06	-193.20	-95.51	194.51	0.00	1155886.39	3262831.14	39.757472	-104.565139
	3700.00	11.13	116.15	3678.76	-1869.94	-210.41	-104.02	211.84	0.00	1155878.07	3262848.56	39.757448	-104.565078
	3800.00	11.13	116.15	3776.88	-1771.82	-227.62	-112.53	229.16	0.00	1155869.74	3262865.97	39.757425	-104.565016
	3900.00	11.13	116.15	3875.00	-1673.70	-244.83	-121.03	246.49	0.00	1155861.42	3262883.39	39.757402	-104.564954
	4000.00	11.13	116.15	3973.12	-1575.58	-262.04	-129.54	263.82	0.00	1155853.09	3262900.80	39.757378	-104.564893
	4100.00	11.13	116.15	4071.24	-1477.46	-279.24	-138.05	281.14	0.00	1155844.77	3262918.22	39.757355	-104.564831
	4200.00	11.13	116.15	4169.36	-1379.34	-296.45	-146.56	298.47	0.00	1155836.44	3262935.63	39.757332	-104.564769
	4300.00	11.13	116.15	4267.48	-1281.22	-313.66	-155.06	315.79	0.00	1155828.12	3262953.05	39.757308	-104.564707
	4400.00	11.13	116.15	4365.60	-1183.10	-330.87	-163.57	333.12	0.00	1155819.80	3262970.46	39.757285	-104.564646
	4500.00	11.13	116.15	4463.72	-1084.98	-348.08	-172.08	350.45	0.00	1155811.47	3262987.88	39.757262	-104.564585
	4600.00	11.13	116.15	4561.84	-986.86	-365.29	-180.59	367.77	0.00	1155803.15	3263005.29	39.757239	-104.564523
	4700.00	11.13	116.15	4659.96	-888.74	-382.50	-189.10	385.10	0.00	1155794.82	3263022.70	39.757215	-104.564461
	4800.00	11.13	116.15	4758.08	-790.62	-399.71	-197.60	402.42	0.00	1155786.50	3263040.12	39.757192	-104.564400
	4900.00	11.13	116.15	4856.20	-692.50	-416.92	-206.11	419.75	0.00	1155778.17	3263057.53	39.757168	-104.564338
	5000.00	11.13	116.15	4954.32	-594.38	-434.13	-214.62	437.08	0.00	1155769.85	3263074.95	39.757145	-104.564276
	5100.00	11.13	116.15	5052.44	-496.26	-451.34	-223.13	454.40	0.00	1155761.52	3263092.36	39.757121	-104.564215
	5200.00	11.13	116.15	5150.56	-398.14	-468.55	-231.63	471.73	0.00	1155753.20	3263109.78	39.757098	-104.564153
	5300.00	11.13	116.15	5248.67	-300.03	-485.75	-240.14	489.05	0.00	1155744.87	3263127.19	39.757075	-104.564092
	5400.00	11.13	116.15	5346.79	-201.91	-502.96	-248.65	506.38	0.00	1155736.55	3263144.61	39.757051	-104.564030
	5500.00	11.13	116.15	5444.91	-103.79	-520.17	-257.16	523.71	0.00	1155728.22	3263162.02	39.757028	-104.563968
	5600.00	11.13	116.15	5543.03	-5.67	-537.38	-265.66	541.03	0.00	1155719.90	3263179.44	39.757005	-104.563907
	5700.00	11.13	116.15	5641.15	92.45	-554.59	-274.17	558.36	0.00	1155711.58	3263196.85	39.756981	-104.563845
	5800.00	11.13	116.15	5739.27	190.57	-571.80	-282.68	575.69	0.00	1155703.25	3263214.27	39.756958	-104.563782
	5900.00	11.13	116.15	5837.39	288.69	-589.01	-291.19	593.01	0.00	1155694.93	3263231.68	39.756935	-104.563720
	6000.00	11.13	116.15	5935.51	386.81	-606.22	-299.70	610.34	0.00	1155686.60	3263249.09	39.756911	-104.563658
	6100.00	11.13	116.15	6033.63	484.93	-623.43	-308.20	627.66	0.00	1155678.28	3263266.51	39.756888	-104.563596
	6200.00	11.13	116.15	6131.75	583.05	-640.64	-316.71	644.99	0.00	1155669.95	3263283.92	39.756865	-104.563534
	6300.00	11.13	116.15	6229.87	681.17	-657.85	-325.22	662.32	0.00	1155661.63	3263301.34	39.756841	-104.563472
	6400.00	11.13	116.15	6327.99	779.29	-675.06	-333.73	679.64	0.00	1155653.30	3263318.75	39.756818	-104.563410
	6500.00	11.13	116.15	6426.11	877.41	-692.27	-342.23	696.97	0.00	1155644.98	3263336.17	39.756794	-104.563348
	6600.00	11.13	116.15	6524.23	975.53	-709.47	-350.74	714.29	0.00	1155636.65	3263353.58	39.756771	-104.563286
	6700.00	11.13	116.15	6622.35	1073.65	-726.68	-359.25	731.62	0.00	1155628.33	3263371.00	39.756748	-104.5

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	8100.00	90.00	270.80	7520.00	1971.30	58.54	-423.86	-52.80	0.00	1155555.46	3262587.31	39.756570	-104.566019
	8200.00	90.00	270.80	7520.00	1971.30	158.50	-422.46	-152.79	0.00	1155555.81	3262487.31	39.756574	-104.566374
	8300.00	90.00	270.80	7520.00	1971.30	258.46	-421.06	-252.78	0.00	1155556.16	3262387.31	39.756578	-104.566730
	8400.00	90.00	270.80	7520.00	1971.30	358.42	-419.65	-352.77	0.00	1155556.50	3262287.31	39.756582	-104.567086
	8500.00	90.00	270.80	7520.00	1971.30	458.39	-418.25	-452.76	0.00	1155556.85	3262187.32	39.756586	-104.567441
	8600.00	90.00	270.80	7520.00	1971.30	558.35	-416.85	-552.75	0.00	1155557.20	3262087.32	39.756590	-104.567797
	8700.00	90.00	270.80	7520.00	1971.30	658.31	-415.45	-652.74	0.00	1155557.55	3261987.32	39.756593	-104.568153
	8800.00	90.00	270.80	7520.00	1971.30	758.27	-414.05	-752.73	0.00	1155557.90	3261887.32	39.756597	-104.568508
	8900.00	90.00	270.80	7520.00	1971.30	858.23	-412.64	-852.72	0.00	1155558.25	3261787.32	39.756601	-104.568864
	9000.00	90.00	270.80	7520.00	1971.30	958.20	-411.24	-952.71	0.00	1155558.60	3261687.32	39.756605	-104.569220
	9100.00	90.00	270.80	7520.00	1971.30	1058.16	-409.84	-1052.70	0.00	1155558.95	3261587.32	39.756609	-104.569575
	9200.00	90.00	270.80	7520.00	1971.30	1158.12	-408.44	-1152.69	0.00	1155559.29	3261487.33	39.756613	-104.569931
	9300.00	90.00	270.80	7520.00	1971.30	1258.08	-407.04	-1252.68	0.00	1155559.64	3261387.33	39.756617	-104.570286
	9400.00	90.00	270.80	7520.00	1971.30	1358.04	-405.63	-1352.67	0.00	1155559.99	3261287.33	39.756620	-104.570642
	9500.00	90.00	270.80	7520.00	1971.30	1458.01	-404.23	-1452.66	0.00	1155560.34	3261187.33	39.756624	-104.570998
	9600.00	90.00	270.80	7520.00	1971.30	1557.97	-402.83	-1552.65	0.00	1155560.69	3261087.33	39.756628	-104.571353
	9700.00	90.00	270.80	7520.00	1971.30	1657.93	-401.43	-1652.64	0.00	1155561.04	3260987.33	39.756632	-104.571709
	9800.00	90.00	270.80	7520.00	1971.30	1757.89	-400.02	-1752.63	0.00	1155561.39	3260887.33	39.756636	-104.572065
	9900.00	90.00	270.80	7520.00	1971.30	1857.85	-398.62	-1852.62	0.00	1155561.73	3260787.34	39.756640	-104.572420
	10000.00	90.00	270.80	7520.00	1971.30	1957.82	-397.22	-1952.61	0.00	1155562.08	3260687.34	39.756643	-104.572776
	10100.00	90.00	270.80	7520.00	1971.30	2057.78	-395.82	-2052.60	0.00	1155562.43	3260587.34	39.756647	-104.573132
	10200.00	90.00	270.80	7520.00	1971.30	2157.74	-394.42	-2152.59	0.00	1155562.78	3260487.34	39.756651	-104.573487
	10300.00	90.00	270.80	7520.00	1971.30	2257.70	-393.01	-2252.58	0.00	1155563.13	3260387.34	39.756655	-104.573843
	10400.00	90.00	270.80	7520.00	1971.30	2357.66	-391.61	-2352.57	0.00	1155563.48	3260287.34	39.756659	-104.574199
	10500.00	90.00	270.80	7520.00	1971.30	2457.63	-390.21	-2452.56	0.00	1155563.83	3260187.34	39.756662	-104.574554
	10600.00	90.00	270.80	7520.00	1971.30	2557.59	-388.81	-2552.55	0.00	1155564.17	3260087.35	39.756666	-104.574910
	10700.00	90.00	270.80	7520.00	1971.30	2657.55	-387.41	-2652.54	0.00	1155564.52	3259987.35	39.756670	-104.575265
	10800.00	90.00	270.80	7520.00	1971.30	2757.51	-386.00	-2752.53	0.00	1155564.87	3259887.35	39.756674	-104.575621
	10900.00	90.00	270.80	7520.00	1971.30	2857.47	-384.60	-2852.52	0.00	1155565.22	3259787.35	39.756678	-104.575977
	11000.00	90.00	270.80	7520.00	1971.30	2957.44	-383.20	-2952.51	0.00	1155565.57	3259687.35	39.756682	-104.576332
	11100.00	90.00	270.80	7520.00	1971.30	3057.40	-381.80	-3052.50	0.00	1155565.92	3259587.35	39.756685	-104.576688
	11200.00	90.00	270.80	7520.00	1971.30	3157.36	-380.40	-3152.49	0.00	1155566.27	3259487.35	39.756689	-104.577044
	11300.00	90.00	270.80	7520.00	1971.30	3257.32	-378.99	-3252.48	0.00	1155566.62	3259387.36	39.756693	-104.577399
	11400.00	90.00	270.80	7520.00	1971.30	3357.28	-377.59	-3352.47	0.00	1155566.96	3259287.36	39.756697	-104.577755
	11500.00	90.00	270.80	7520.00	1971.30	3457.25	-376.19	-3452.46	0.00	1155567.31	3259187.36	39.756701	-104.578111
	11600.00	90.00	270.80	7520.00	1971.30	3557.21	-374.79	-3552.45	0.00	1155567.66	3259087.36	39.756704	-104.578466
	11700.00	90.00	270.80	7520.00	1971.30	3657.17	-373.39	-3652.44	0.00	1155568.01	3258987.36	39.756708	-104.578822
	11800.00	90.00	270.80	7520.00	1971.30	3757.13	-371.98	-3752.43	0.00	1155568.36	3258887.36	39.756712	-104.579177
	11900.00	90.00	270.80	7520.00	1971.30	3857.09	-370.58	-3852.42	0.00	1155568.71	3258787.36	39.756716	-104.579533
	12000.00	90.00	270.80	7520.00	1971.30	3957.06	-369.18	-3952.41	0.00	1155569.06	3258687.37	39.756720	-104.579889
	12100.00	90.00	270.80	7520.00	1971.30	4057.02	-367.78	-4052.40	0.00	1155569.40	3258587.37	39.756723	-104.580244
	12200.00	90.00	270.80	7520.00	1971.30	4156.98	-366.38	-4152.39	0.00	1155569.75	3258487.37	39.756727	-104.580600
	12300.00	90.00	270.80	7520.00	1971.30	4256.94	-364.97	-4252.38	0.00	1155570.10	3258387.37	39.756731	-104.580956
	12400.00	90.00	270.80	7520.00	1971.30	4356.90	-363.57	-4352.37	0.00	1155570.45	3258287.37	39.756735	-104.581311
	12500.00	90.00	270.80	7520.00	1971.30	4456.87	-362.17	-4452.37	0.00	1155570.80	3258187.37	39.756739	-104.581667
	12600.00	90.00	270.80	7520.00	1971.30	4556.83	-360.77	-4552.36	0.00	1155571.15	3258087.38	39.756742	-104.582023
	12700.00	90.00	270.80	7520.00	1971.30	4656.79	-359.36	-4652.35	0.00	1155571.50	3257987.38	39.756746	-104.582378
	12800.00	90.00	270.80	7520.00	1971.30	4756.75	-357.96	-4752.34	0.00	1155571.84	3257887.38	39.756750	-104.582734
	12900.00	90.00	270.80	7520.00	1971.30	4856.71	-356.56	-4852.33	0.00	1155572.19	3257787.38	39.756754	-104.583090
	13000.00	90.00	270.80	7520.00	1971.30	4956.67	-355.16	-4952.32	0.00	1155572.54	3257687.38	39.756758	-104.583445
	13100.00	90.00	270.80	7520.00	1971.30	5056.64	-353.76	-5052.31	0.00	1155572.89	3257587.38	39.756761	-104.583801
	13200.00	90.00	270.80	7520.00	1971.30	5156.60	-352.35	-5152.30	0.00	1155573.24	3257487.38	39.756765	-104.584156
	13300.00	90.00	270.80	7520.00	1971.30	5256.56	-350.95	-5252.29	0.00	1155573.59	3257387.39	39.756769	-104.584512
	13400.00	90.00	270.80	7520.00	1971.30	5356.52	-349.55	-5352.28	0.00	1155573.94	3257287.39	39.756773	-104.584868
	13500.00	90.00	270.80	7520.00	1971.30	5456.48	-348.15	-5452.27	0.00	1155574.29	3257187.39	39.756777	-104.585223
	13600.00	90.00	270.80	7520.00	1971.30	5556.45	-346.75	-5552.26	0.00	1155574.63	3257087.39	39.756780	-104.585579
	13700.00	90.00	270.80	7520.00	1971.30	5656.41	-345.34	-5652.25	0.00	1155574.98	3256987.39	39.756784	-104.585935
	13800.00	90.00	270.80	7520.00	1971.30	5756.37	-343.94	-5752.24	0.00	1155575.33	3256887.39	39.756788	-104.586290
	13900.00	90.00	270.80	7520.00	1971.30	5856.33	-342.54	-5852.23	0.00	1155575.68	3256787.39	39.756792	-104.586646
	14000.00	90.00	270.80	7520.00	1971.30	5956.29	-341.14	-5952.22	0.00	1155576.03	3256687.40	39.756796	-104.587002
	14100.00	90.00	270.80	7520.00	1971.30	6056.26	-339.74	-6052.21	0.00	1155576.38	3256587.40	39.756799	-104.587357
	14200.00	90.00	270.80	7520.00	1971.30	6156.22	-338.33	-6152.20	0.00	1155576.73	3256487.40	39.756803	-104.587713
	14300.00	90.00	270.80	7520.00	1971.30	6256.18	-336.93	-6252.19	0.00	1155577.07	3256387.40	39.756807	-104.588069
	14400.00	90.00	270.80	7520.00	1971.30	6356.14	-335.53	-6352.18	0.00	1155577.42	3256287.40	39.756811	-104.588424
	14500.00	90.00	270.80	7520.00	1971.30	6456.10	-334.13	-6452.17	0.00	1155577.77	3256187.40	39.756814	-104.588780
	14600.00	90.00	270.80	7520.00	1971.30	6556.07	-332.73	-6552.16	0.00	1155578.12	3256087.40	39.756818	-104.589135
	14700.00	90.00	270.80	7520.00	1971.30	6656.03	-331.32	-6652.15	0.00	1155578.47	3255987.41	39.756822	-104.589491
	14800.00	90.00	270.80	7520.00	1971.30	6755.99	-329.92	-6752.14	0.00	1155578.82	3255887.41	39.756826	-104.589847
	14900.00	90.00	270.80	7520.00	1971.30	6855.95	-328.52	-6852.13	0.00	1155579.17	3255787.41	39.756830	-104.590202
	15000.00	90.00	270.80	7520.00	1971.30	6955.91	-327.12	-6952.12	0.00	1155579.51	3255687.41	39.756833	-104.590558
	15100.00	90.00	270.80	7520.00	1971.30	7055.88	-325.72	-7052.11	0.00	1155579.86	3255587.41	39.756837	-104.590914
	15200.00	90.00	270.80	7520.00	1971.30	7155.84	-324.31	-7152.10	0.00	1155580.21	3255487.41	39.756841	-104.591269

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	20000.00	90.00	270.80	7520.00	1971.30	11954.01	-257.01	-11951.63	0.00	1155596.95	3250687.48	39.757021	-104.608340
	20100.00	90.00	270.80	7520.00	1971.30	12053.98	-255.61	-12051.62	0.00	1155597.30	3250587.48	39.757024	-104.608696
	20200.00	90.00	270.80	7520.00	1971.30	12153.94	-254.21	-12151.61	0.00	1155597.64	3250487.48	39.757028	-104.609051
	20300.00	90.00	270.80	7520.00	1971.30	12253.90	-252.81	-12251.60	0.00	1155597.99	3250387.49	39.757032	-104.609407
	20400.00	90.00	270.80	7520.00	1971.30	12353.86	-251.41	-12351.59	0.00	1155598.34	3250287.49	39.757035	-104.609763
	20500.00	90.00	270.80	7520.00	1971.30	12453.82	-250.00	-12451.58	0.00	1155598.69	3250187.49	39.757039	-104.610118
	20600.00	90.00	270.80	7520.00	1971.30	12553.79	-248.60	-12551.57	0.00	1155599.04	3250087.49	39.757043	-104.610474
	20700.00	90.00	270.80	7520.00	1971.30	12653.75	-247.20	-12651.56	0.00	1155599.39	3249987.49	39.757047	-104.610830
	20800.00	90.00	270.80	7520.00	1971.30	12753.71	-245.80	-12751.55	0.00	1155599.74	3249887.49	39.757050	-104.611185
	20900.00	90.00	270.80	7520.00	1971.30	12853.67	-244.40	-12851.54	0.00	1155600.08	3249787.50	39.757054	-104.611541
	21000.00	90.00	270.80	7520.00	1971.30	12953.63	-242.99	-12951.53	0.00	1155600.43	3249687.50	39.757058	-104.611897
	21100.00	90.00	270.80	7520.00	1971.30	13053.60	-241.59	-13051.52	0.00	1155600.78	3249587.50	39.757061	-104.612252
	21200.00	90.00	270.80	7520.00	1971.30	13153.56	-240.19	-13151.51	0.00	1155601.13	3249487.50	39.757065	-104.612608
	21300.00	90.00	270.80	7520.00	1971.30	13253.52	-238.79	-13251.50	0.00	1155601.48	3249387.50	39.757069	-104.612964
	21400.00	90.00	270.80	7520.00	1971.30	13353.48	-237.38	-13351.49	0.00	1155601.83	3249287.50	39.757073	-104.613319
	21500.00	90.00	270.80	7520.00	1971.30	13453.44	-235.98	-13451.48	0.00	1155602.18	3249187.50	39.757076	-104.613675
	21600.00	90.00	270.80	7520.00	1971.30	13553.41	-234.58	-13551.47	0.00	1155602.52	3249087.51	39.757080	-104.614030
	21700.00	90.00	270.80	7520.00	1971.30	13653.37	-233.18	-13651.46	0.00	1155602.87	3248987.51	39.757084	-104.614386
	21800.00	90.00	270.80	7520.00	1971.30	13753.33	-231.78	-13751.45	0.00	1155603.22	3248887.51	39.757087	-104.614742
	21900.00	90.00	270.80	7520.00	1971.30	13853.29	-230.37	-13851.44	0.00	1155603.57	3248787.51	39.757091	-104.615097
	22000.00	90.00	270.80	7520.00	1971.30	13953.25	-228.97	-13951.43	0.00	1155603.92	3248687.51	39.757095	-104.615453
	22100.00	90.00	270.80	7520.00	1971.30	14053.22	-227.57	-14051.42	0.00	1155604.27	3248587.51	39.757098	-104.615809
	22200.00	90.00	270.80	7520.00	1971.30	14153.18	-226.17	-14151.41	0.00	1155604.62	3248487.51	39.757102	-104.616164
	22300.00	90.00	270.80	7520.00	1971.30	14253.14	-224.77	-14251.40	0.00	1155604.97	3248387.52	39.757106	-104.616520
	22400.00	90.00	270.80	7520.00	1971.30	14353.10	-223.36	-14351.39	0.00	1155605.31	3248287.52	39.757109	-104.616876
	22500.00	90.00	270.80	7520.00	1971.30	14453.06	-221.96	-14451.38	0.00	1155605.66	3248187.52	39.757113	-104.617231
	22600.00	90.00	270.80	7520.00	1971.30	14553.03	-220.56	-14551.37	0.00	1155606.01	3248087.52	39.757117	-104.617587
	22700.00	90.00	270.80	7520.00	1971.30	14652.99	-219.16	-14651.36	0.00	1155606.36	3247987.52	39.757121	-104.617943
	22800.00	90.00	270.80	7520.00	1971.30	14752.95	-217.76	-14751.35	0.00	1155606.71	3247887.52	39.757124	-104.618298
	22900.00	90.00	270.80	7520.00	1971.30	14852.91	-216.35	-14851.34	0.00	1155607.06	3247787.52	39.757128	-104.618654
	23000.00	90.00	270.80	7520.00	1971.30	14952.87	-214.95	-14951.33	0.00	1155607.41	3247687.53	39.757132	-104.619010
	23100.00	90.00	270.80	7520.00	1971.30	15052.83	-213.55	-15051.32	0.00	1155607.75	3247587.53	39.757135	-104.619365
	23200.00	90.00	270.80	7520.00	1971.30	15152.80	-212.15	-15151.31	0.00	1155608.10	3247487.53	39.757139	-104.619721
	23300.00	90.00	270.80	7520.00	1971.30	15252.76	-210.75	-15251.30	0.00	1155608.45	3247387.53	39.757143	-104.620076
	23400.00	90.00	270.80	7520.00	1971.30	15352.72	-209.34	-15351.29	0.00	1155608.80	3247287.53	39.757146	-104.620432
Crow 3-64 29-30-25 4AH BHL	23445.24	90.00	270.80	7520.00	1971.30	15397.95	-208.71	-15396.53	0.00	1155608.96	3247242.29	39.757148	-104.620593

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 \*\*\* 3-D 95.000% Confidence 2.7955 sigma  
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	13.000	1/100.000	13.500	9.625		NAL_MWD_PLUS_0.5_DEG-Depth Only	Original Hole / Crow 3-64 29-30-25 4AH Plan #0
	1	13.000	1800.000	1/100.000	13.500	9.625		NAL_MWD_PLUS_0.5_DEG	Original Hole / Crow 3-64 29-30-25 4AH Plan #0
	1	1800.000	23445.241	1/100.000	8.500	5.500		NAL_MWD_PLUS_0.5_DEG	Original Hole / Crow 3-64 29-30-25 4AH Plan #0

## Crow 3-64 29-30-25 4AH Plan #0 Anti-Collision Summary Report

**Analysis Date-24hr Time:** April 28, 2021 - 14:34  
**Client:** Crestone Peak Resources  
**Field:** CO, Adams County (NAD 83 NZ)

**Analysis Method:** 3D Least Distance  
**Reference Trajectory:** Crow 3-64 29-30-25 4AH Plan #0 (Def Plan)  
**Depth Interval:** Every 10.00 Measured Depth (ft)

**Structure:** Crestone Peak 29-03S-64W (Crow 3-64 29-30 Pad)  
**Slot:** Crow 3-64 29-30-25 4AH  
**Well:** Crow 3-64 29-30-25 4AH  
**Borehole:** Original Hole  
**Scan MD Range:** 0.00ft - 23445.24ft

**Rule Set:** NAL Procedure: D&M AntiCollision Standard S002  
**Min Pts:** All local minima indicated.  
**Version / Patch:** 2.10.825.0  
**Database \ Project:** localhost\drilling-Colorado

**Trajectory Error Model:** ISCSA0 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:  
 Selection filters:  
 Not performed!  
 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

#### Crow 3-64 29-30-25 4BH Plan #0 (Def Plan) Fail Major

40.07	32.25	39.09	7.82	N/A	MAS = 9.83 (m)	0.00	0.00	CI<Ct<=15m<15.00				Enter Alert	
40.07	32.25	39.09	7.82	N/A	MAS = 9.83 (m)	13.00	13.00					WRP	
40.07	32.25	36.93	7.82	18.11	MAS = 9.83 (m)	400.00	400.00					MinPts	
40.08	32.25	36.93	7.83	17.82	MAS = 9.83 (m)	410.00	410.00					MINPT-O-EOU	
42.02	32.25	38.46	9.77	15.94	MAS = 9.83 (m)	520.00	520.00					MinPt-O-SF	
48.87	32.25	44.95	16.62	16.30	MAS = 9.83 (m)	650.00	650.00	CI<Ct<=15m<15.00				Exit Alert	
572.28	66.73	527.46	505.55	13.03	OSF1.50	6800.00	6720.64					MinPt-O-SF	
643.78	55.06	606.74	588.72	17.83	OSF1.50	8011.21	7520.00					MinPt-CtCt	
643.79	194.26	513.95	449.53	4.99	OSF1.50	10340.00	7520.00	OSF<5.00				Enter Alert	
643.81	644.06	214.11	-0.25	1.50	OSF1.50	16500.00	7520.00		OSF<1.50			Enter Minor	
643.83	965.29	-0.03	-321.46	1.00	OSF1.50	20860.00	7520.00				OSF<1.00	Enter Major	
643.87	1155.97	-127.11	-512.10	0.83	OSF1.50	23445.24	7520.00					MinPts	

#### Crow 3-64 29-30-25 3BH Plan #0 (Def Plan) Fail Major

40.07	32.25	39.09	7.82	N/A	MAS = 9.83 (m)	0.00	0.00	CI<Ct<=15m<15.00				Enter Alert	
40.07	32.25	39.09	7.82	87968.09	MAS = 9.83 (m)	13.00	13.00					WRP	
40.07	32.25	27.60	7.82	3.40	MAS = 9.83 (m)	2200.00	2200.00					MinPts	
40.08	32.25	27.60	7.83	3.40	MAS = 9.83 (m)	2210.00	2210.00					MINPT-O-EOU	
40.10	32.25	27.62	7.85	3.40	MAS = 9.83 (m)	2220.00	2220.00					MinPt-O-SF	
59.74	32.25	46.88	27.49	4.95	MAS = 9.83 (m)	2620.00	2618.50	OSF<5.00				Exit Alert	
643.69	194.40	513.76	449.29	4.98	OSF1.50	10340.00	7520.00	OSF<5.00				Enter Alert	
643.57	644.15	213.81	-0.58	1.50	OSF1.50	16500.00	7520.00		OSF<1.50			Enter Minor	
643.48	965.11	-0.26	-321.63	1.00	OSF1.50	20860.00	7520.00				OSF<1.00	Enter Major	
643.43	1155.86	-127.30	-512.17	0.83	OSF1.50	23445.24	7520.00					MinPts	

#### Crow 3-64 29-30-25 3AH Plan #0 (Def Plan) Warning Alert

80.14	32.81	79.16	47.33	N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
80.14	32.81	79.16	47.33	118765.34	MAS = 10.00 (m)	13.00	13.00					WRP	
80.14	32.81	68.26	47.33	7.27	MAS = 10.00 (m)	1790.00	1790.00					MinPts	
80.15	32.81	68.18	47.34	7.21	MAS = 10.00 (m)	1810.00	1810.00					MINPT-O-EOU	
81.28	32.81	69.03	48.47	7.13	MAS = 10.00 (m)	1900.00	1900.00					MinPt-O-SF	
1279.80	385.20	1022.68	894.61	4.99	OSF1.50	12940.00	7520.00	OSF<5.00				Enter Alert	
1279.63	1161.74	504.81	117.89	1.65	OSF1.50	23445.24	7520.00					MinPts	

#### Florida 3-65 27-26 3DH MWD 0' to 17942' - PR (Def Survey) Warning Alert

17815.11	96.23	17748.52	17718.88	300.42	OSF1.50	0.00	0.00					MinPt-O-SF	
17809.45	96.16	17742.91	17713.29	300.58	OSF1.50	13.00	13.00					WRP	
16715.43	56.58	16674.32	16658.85	539.83	OSF1.50	4810.00	4767.89					MinPt-O-ADP	
16715.39	56.53	16674.31	16658.86	540.57	OSF1.50	4830.00	4787.51					MINPT-O-EOU	
16715.37	56.45	16674.34	16658.92	541.64	OSF1.50	4860.00	4816.95					MinPt-CtCt	
16827.04	60.47	16783.21	16766.57	505.22	OSF1.50	6800.00	6720.64					MinPt-O-SF	
1395.34	435.76	1096.69	959.59	5.00	OSF1.50	22800.00	7520.00	OSF<5.00				Enter Alert	
835.61	707.77	356.79	127.84	1.78	OSF1.50	23445.24	7520.00					MinPts	

#### Florida 3-65 27-26 3CH MWD 0' to 17910' - PR (Def Survey) Warning Alert

17811.22	101.25	17741.27	17709.97	284.33	OSF1.50	0.00	0.00					MinPt-O-SF	
17805.61	101.19	17735.70	17704.42	284.45	OSF1.50	13.00	13.00					WRP	
16735.18	72.13	16683.74	16663.05	404.24	OSF1.50	4750.00	4709.02					MinPt-O-ADP	
16735.18	72.13	16683.74	16663.05	404.28	OSF1.50	4760.00	4718.83					MinPts	
1810.77	560.24	1429.64	1250.53	4.99	OSF1.50	22510.00	7520.00	OSF<5.00				Enter Alert	
1074.06	928.48	449.54	145.59	1.74	OSF1.50	23445.24	7520.00					MinPts	

#### Florida 3-65 27-26 3BH MWD 0' to 18043' - PR (Def Survey) Warning Alert

17848.97	111.26	17772.38	17737.71	257.30	OSF1.50	0.00	0.00					MinPt-O-SF	
17843.32	111.21	17766.76	17732.11	257.36	OSF1.50	13.00	13.00					MinPt-O-SF	
16758.18	89.74	16695.00	16668.44	315.26	OSF1.50	4800.00	4758.08					MinPt-CtCt	
16758.18	89.76	16694.99	16668.42	315.20	OSF1.50	4820.00	4777.70					MinPts	
2087.72	645.90	1650.02	1441.83	4.96	OSF1.50	22360.00	7520.00	OSF<5.00				Enter Alert	
1317.21	1014.04	636.80	303.17	1.95	OSF1.50	23445.24	7520.00					MinPts	

#### Florida 3-65 27-26 3AH MWD 0' to 18011' - PR (Def Survey) Warning Alert

17857.88	125.08	17772.08	17732.80	227.20	OSF1.50	0.00	0.00					MinPt-O-SF	
17852.28	125.05	17766.51	17727.24	227.22	OSF1.50	13.00	13.00					MinPt-O-SF	
16792.39	111.86	16714.52	16680.53	246.92	OSF1.50	4700.00	4659.96					MinPt-CtCt	
16792.40	111.89	16714.50	16680.51	246.85	OSF1.50	4720.00	4679.58					MINPT-O-EOU	
16792.41	111.91	16714.50	16680.50	246.81	OSF1.50	4730.00	4689.39					MinPt-O-ADP	
2364.14	723.37	1875.31	1640.77	5.00	OSF1.50	22260.00	7520.00	OSF<5.00				Enter Alert	
1592.94	1069.28	876.48	523.71	2.24	OSF1.50	23445.24	7520.00					MinPts	

...Crow 3-64 29-30-25 4AH\Original Hole\Crow 3-64 29-30-25 4AH 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		
Yellow 3-64 30-25 2BH Plan #0 (Def Plan)													
												Warning Alert	
	8741.59	32.81	8733.62	8708.78	1251.31	MAS = 10.00 (m)	0.00	0.00				Surface	
	8738.37	32.81	8730.29	8705.56	1231.94	MAS = 10.00 (m)	13.00	13.00				WRP	
	7968.55	52.35	7933.15	7916.20	234.99	OSF1.50	5310.00	5258.49				MinPt-CiCt	
	7968.57	52.42	7933.12	7916.15	234.69	OSF1.50	5330.00	5278.11				MINPT-O-EOU	
	7968.59	52.45	7933.12	7916.14	234.54	OSF1.50	5340.00	5287.92				MinPt-O-ADP	
	8088.45	57.38	8049.69	8031.07	217.21	OSF1.50	6760.63	6681.84				MinPt-O-SF	
	1846.80	402.07	1578.42	1444.73	6.90	OSF1.50	15360.00	7520.00				MinPt-CiCt	
	1848.23	406.53	1576.88	1441.70	6.83	OSF1.50	15450.00	7520.00				MINPT-O-EOU	
	1849.80	408.37	1577.23	1441.43	6.81	OSF1.50	15490.00	7520.00				MinPt-O-ADP	
	1950.94	586.31	1559.73	1364.62	5.00	OSF1.50	18610.00	7520.00	OSF<5.00			Enter Alert	
	1910.91	909.46	1304.28	1001.45	3.15	OSF1.50	23445.24	7520.00				MinPts	
Yellow 3-64 30-25 2AH Plan #0 (Def Plan)													
												Warning Alert	
	8771.84	32.81	8763.09	8739.03	1129.80	MAS = 10.00 (m)	0.00	0.00				Surface	
	8768.83	32.81	8759.99	8736.02	1116.37	MAS = 10.00 (m)	13.00	13.00				WRP	
	8104.08	56.18	8066.18	8047.90	221.58	OSF1.50	5190.00	5140.74				MinPt-CiCt	
	8104.11	56.26	8066.16	8047.85	221.28	OSF1.50	5210.00	5160.37				MINPT-O-EOU	
	8104.15	56.30	8066.17	8047.85	221.13	OSF1.50	5220.00	5170.18				MinPt-O-ADP	
	8243.74	61.82	8202.08	8181.92	204.43	OSF1.50	6760.63	6681.84				MinPt-O-SF	
	2463.40	397.37	2198.16	2066.03	9.32	OSF1.50	15300.00	7520.00				MinPt-CiCt	
	2464.91	401.81	2196.71	2063.10	9.22	OSF1.50	15390.00	7520.00				MINPT-O-EOU	
	2466.44	403.68	2196.99	2062.76	9.18	OSF1.50	15430.00	7520.00				MinPt-O-ADP	
	2565.37	770.88	2051.12	1794.49	5.00	OSF1.50	21420.00	7520.00	OSF<5.00			Enter Alert	
	2548.53	910.14	1941.45	1638.40	4.20	OSF1.50	23445.24	7520.00				MinPts	
Yellow 3-64 30-29 2DH Plan #0 (Def Plan)													
												Pass	
	7757.43	195.72	7626.62	7561.70	59.75	OSF1.50	0.00	0.00				Surface	
	7744.67	195.89	7613.75	7548.79	59.60	OSF1.50	13.00	13.00				WRP	
	1931.79	449.01	1632.12	1482.77	6.46	OSF1.50	8040.00	7520.00				MinPts	
	1931.81	449.04	1632.12	1482.77	6.46	OSF1.50	8050.00	7520.00				MinPts	
	1978.20	436.04	1687.18	1542.16	6.82	OSF1.50	16050.00	7520.00				MINPT-O-EOU	
	1980.35	438.59	1687.63	1541.76	6.78	OSF1.50	16110.00	7520.00				MinPt-O-ADP	
	1999.06	447.09	1700.67	1551.97	6.72	OSF1.50	16360.00	7520.00				MinPt-O-SF	
	7381.47	228.52	7228.80	7152.96	48.66	OSF1.50	23445.24	7520.00				TD	
Yellow 3-64 30-29 2CH Plan #0 (Def Plan)													
												Pass	
	7839.02	208.50	7699.69	7630.52	56.66	OSF1.50	0.00	0.00				Surface	
	7826.52	208.70	7687.06	7617.82	56.51	OSF1.50	13.00	13.00				WRP	
	2570.18	449.55	2270.15	2120.63	8.59	OSF1.50	8000.00	7519.91				MinPt-O-SF	
	2569.82	449.45	2269.87	2120.38	8.59	OSF1.50	8030.00	7520.00				MinPt-O-ADP	
	2569.78	449.40	2269.85	2120.38	8.59	OSF1.50	8040.00	7520.00				MINPT-O-EOU	
	2569.77	449.34	2269.88	2120.43	8.59	OSF1.50	8050.00	7520.00				MinPt-CiCt	
	2579.67	443.75	2283.51	2135.92	8.74	OSF1.50	16280.00	7520.00				MinPt-CiCt	
	2580.57	446.38	2282.67	2134.22	8.69	OSF1.50	16350.00	7520.00				MINPT-O-EOU	
	2581.45	447.40	2282.86	2134.05	8.67	OSF1.50	16380.00	7520.00				MinPt-O-ADP	
	2601.05	454.43	2297.77	2146.62	8.60	OSF1.50	16630.00	7520.00				MinPt-O-SF	
	7529.15	265.49	7351.82	7263.65	42.69	OSF1.50	23445.24	7520.00				TD	
Yellow 3-64 30-25 1BH Plan #0 (Def Plan)													
												Pass	
	8835.02	32.81	8825.56	8802.21	1043.11	MAS = 10.00 (m)	0.00	0.00				Surface	
	8832.28	32.81	8822.72	8799.47	1029.81	MAS = 10.00 (m)	13.00	13.00				WRP	
	8305.92	63.81	8263.00	8242.10	198.70	OSF1.50	5020.00	4973.94				MinPt-CiCt	
	8306.04	66.19	8261.54	8239.85	191.47	OSF1.50	5220.00	5170.18				MINPT-O-EOU	
	8306.07	66.23	8261.55	8239.85	191.36	OSF1.50	5230.00	5179.99				MinPt-O-ADP	
	8441.51	71.72	8393.32	8369.79	179.39	OSF1.50	6760.63	6681.84				MinPt-O-SF	
	3053.40	393.45	2790.77	2659.95	11.67	OSF1.50	15230.00	7520.00				MinPt-CiCt	
	3054.64	397.60	2789.25	2657.04	11.55	OSF1.50	15320.00	7520.00				MINPT-O-EOU	
	3056.46	399.78	2789.61	2656.68	11.49	OSF1.50	15370.00	7520.00				MinPt-O-ADP	
	3189.69	909.86	2582.78	2279.82	5.26	OSF1.50	23445.24	7520.00				MinPts	
Yellow 3-64 30-29 1DH Plan #0 (Def Plan)													
												Pass	
	8101.68	223.10	7952.61	7878.58	54.71	OSF1.50	0.00	0.00				Surface	
	8089.47	223.31	7940.27	7866.16	54.57	OSF1.50	13.00	13.00				WRP	
	3212.67	449.75	2912.51	2762.92	10.74	OSF1.50	7940.00	7516.48				MinPt-O-SF	
	3210.98	449.20	2911.18	2761.78	10.74	OSF1.50	8030.00	7520.00				MinPt-O-ADP	
	3210.93	449.12	2911.18	2761.80	10.74	OSF1.50	8040.00	7520.00				MINPT-O-EOU	
	3210.90	449.04	2911.22	2761.87	10.75	OSF1.50	8050.00	7520.00				MinPt-CiCt	
	3252.45	418.69	2972.99	2833.75	11.68	OSF1.50	15660.00	7520.00				MinPt-O-SF	
	3185.75	446.02	2888.08	2739.73	10.73	OSF1.50	16350.00	7520.00				MinPt-CiCt	
	3187.05	449.97	2886.74	2737.08	10.64	OSF1.50	16440.00	7520.00				MINPT-O-EOU	
	3188.44	451.62	2887.04	2736.83	10.61	OSF1.50	16480.00	7520.00				MinPt-O-ADP	
	3226.30	463.62	2916.88	2762.67	10.46	OSF1.50	16860.00	7520.00				MinPt-O-SF	
	7761.41	320.99	7547.09	7440.42	36.38	OSF1.50	23445.24	7520.00				TD	
Yellow 3-64 30-25 1AH Plan #0 (Def Plan)													
												Pass	
	8856.08	32.81	8855.10	8823.27	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	8856.07	32.81	8855.08	8823.26	N/A	MAS = 10.00 (m)	10.00	10.00				MinPt-O-SF	
	8856.06	32.81	8855.08	8823.26	N/A	MAS = 10.00 (m)	13.00	13.00				WRP	
	8428.43	43.28	8399.21	8385.16	299.72	OSF1.50	2700.00	2697.47				MinPt-CiCt	
	8428.52	43.52	8399.14	8385.00	297.99	OSF1.50	2720.00	2717.15				MINPT-O-EOU	
	8428.62	43.64	8399.16	8384.97	297.13	OSF1.50	2730.00	2726.98				MinPt-O-ADP	
	8667.14	86.72	8609.00	8580.42	151.63	OSF1.50	6760.63	6681.84				MinPt-O-SF	
	3630.99	391.80	3369.46	3239.19	13.93	OSF1.50	15250.00	7520.00				MinPt-CiCt	
	3632.46	396.03	3368.12	3236.44	13.79	OSF1.50	15350.00	7520.00				MINPT-O-EOU	
	3633.81	397.63	3368.39	3236.18	13.74	OSF1.50	15390.00	7520.00				MinPt-O-ADP	
	3698.36	414.47	3421.72	3283.89	13.41	OSF1.50	15960.00	7520.00				MinPt-O-SF	
	3828.19	910.54	3220.83	2917.64	6.31	OSF1.50	23445.24	7520.00				MinPts	
Reserve 3-65 26-1H GYRO+MWD 0' to 11843' - PR (Def Survey)													
												Pass	
	18230.18	78.37	18177.00	18151.81	361.76	OSF1.50	0.00	0.00				Surface	
	18224.72	78.42	18171.50	18146.30	361.45	OSF1.50	13.00	13.00				WRP	
	17218.44	81.06	17162.77	17137.38	339.00	OSF1.50	4480.00	4444.10				MinPt-CiCt	
	17218.46	81.11	17162.76	17137.35	338.83	OSF1.50	4500.00	4463.72				MINPT-O-EOU	
	17218.50	81.15	17162.76	17137.35	338.65	OSF1.50	4520.00	4483.34				MinPt-O-ADP	
	17373.54	88.04	17313.12	17285.50	314.39	OSF1.50	6800.00	6720.64				MinPt-O-SF	
	3669.21	880.12	3080.54	2789.09	6.28	OSF1.50	23445.24	7520.00				MinPts	

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		
Yellow 3-64 30-29 1CH Plan #0 (Def Plan)													Pass
	8278.77	240.27	8118.26	8038.50	51.89	OSF1.50	0.00	0.00					Surface
	8266.93	240.51	8106.27	8026.43	51.77	OSF1.50	13.00	13.00					WRP
	3854.67	450.69	3553.88	3403.98	12.85	OSF1.50	7830.00	7497.28					MinPt-O-SF
	3849.93	449.22	3550.13	3400.72	12.88	OSF1.50	8020.00	7520.00					MinPt-O-ADP
	3849.84	449.11	3550.11	3400.73	12.88	OSF1.50	8030.00	7520.00					MINPT-O-EQU
	3849.74	448.77	3550.23	3400.97	12.89	OSF1.50	8060.00	7520.00					MinPt-CtCt
	3890.37	411.25	3615.88	3479.12	14.22	OSF1.50	15480.00	7520.00					MinPts
	3788.65	443.56	3492.62	3345.09	12.84	OSF1.50	16370.00	7520.00					MinPt-CtCt
	3790.17	448.49	3490.85	3341.69	12.70	OSF1.50	16480.00	7520.00					MINPT-O-EQU
	3791.92	450.60	3491.19	3341.31	12.65	OSF1.50	16530.00	7520.00					MinPt-O-ADP
	3859.57	469.31	3546.37	3390.26	12.36	OSF1.50	17110.00	7520.00					MinPt-O-SF
	8014.46	369.53	7767.78	7644.94	32.62	OSF1.50	23445.24	7520.00					TD
Amoco_Tupps 1-19 Blind 0' to 8237' - PA (Def Survey)													Pass
	7276.48	32.81	7274.67	7243.68	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
	7276.39	32.81	7274.55	7243.58	260849.48	MAS = 10.00 (m)	13.00	13.00					WRP
	7276.26	124.77	7192.54	7151.48	88.59	OSF1.50	2200.00	2200.00					MinPt-CtCt
	7278.70	131.89	7190.24	7146.81	83.78	OSF1.50	2320.00	2319.96					MINPT-O-EQU
	7281.16	134.86	7190.72	7146.31	81.94	OSF1.50	2370.00	2369.90					MinPt-O-ADP
	4964.50	542.49	4602.31	4422.02	13.76	OSF1.50	13740.00	7520.00					MinPt-CtCt
	4965.33	545.05	4601.43	4420.28	13.70	OSF1.50	13830.00	7520.00					MINPT-O-EQU
	4966.50	546.45	4601.66	4420.04	13.67	OSF1.50	13880.00	7520.00					MinPt-O-ADP
	5062.38	567.84	4683.29	4494.55	13.41	OSF1.50	14730.00	7520.00					MinPt-O-SF
	10901.87	571.84	10520.11	10330.03	28.67	OSF1.50	23445.24	7520.00					TD
Everingim 1 Blind 0' to 8285' - DA (Def Survey)													Pass
	6289.18	32.81	6287.37	6256.38	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
	6289.06	32.81	6287.20	6256.25	156373.78	MAS = 10.00 (m)	13.00	13.00					MinPt-O-SF
	6288.81	124.29	6205.41	6164.52	76.87	OSF1.50	2200.00	2200.00					MinPt-CtCt
	6291.16	131.42	6203.01	6159.74	72.68	OSF1.50	2320.00	2319.96					MINPT-O-EQU
	6294.09	134.97	6203.58	6159.12	70.77	OSF1.50	2380.00	2379.88					MinPt-O-ADP
	4967.05	504.69	4630.10	4462.40	14.81	OSF1.50	12400.00	7520.00					MinPt-CtCt
	4967.70	506.60	4629.44	4461.10	14.75	OSF1.50	12480.00	7520.00					MINPT-O-EQU
	4968.49	507.55	4629.59	4460.94	14.73	OSF1.50	12520.00	7520.00					MinPt-O-ADP
	5066.31	527.18	4714.33	4539.14	14.45	OSF1.50	13400.00	7520.00					MinPt-O-SF
	12108.68	548.24	11742.65	11560.43	33.22	OSF1.50	23445.24	7520.00					TD