



# Crestone Peak Resources

Schlumberger

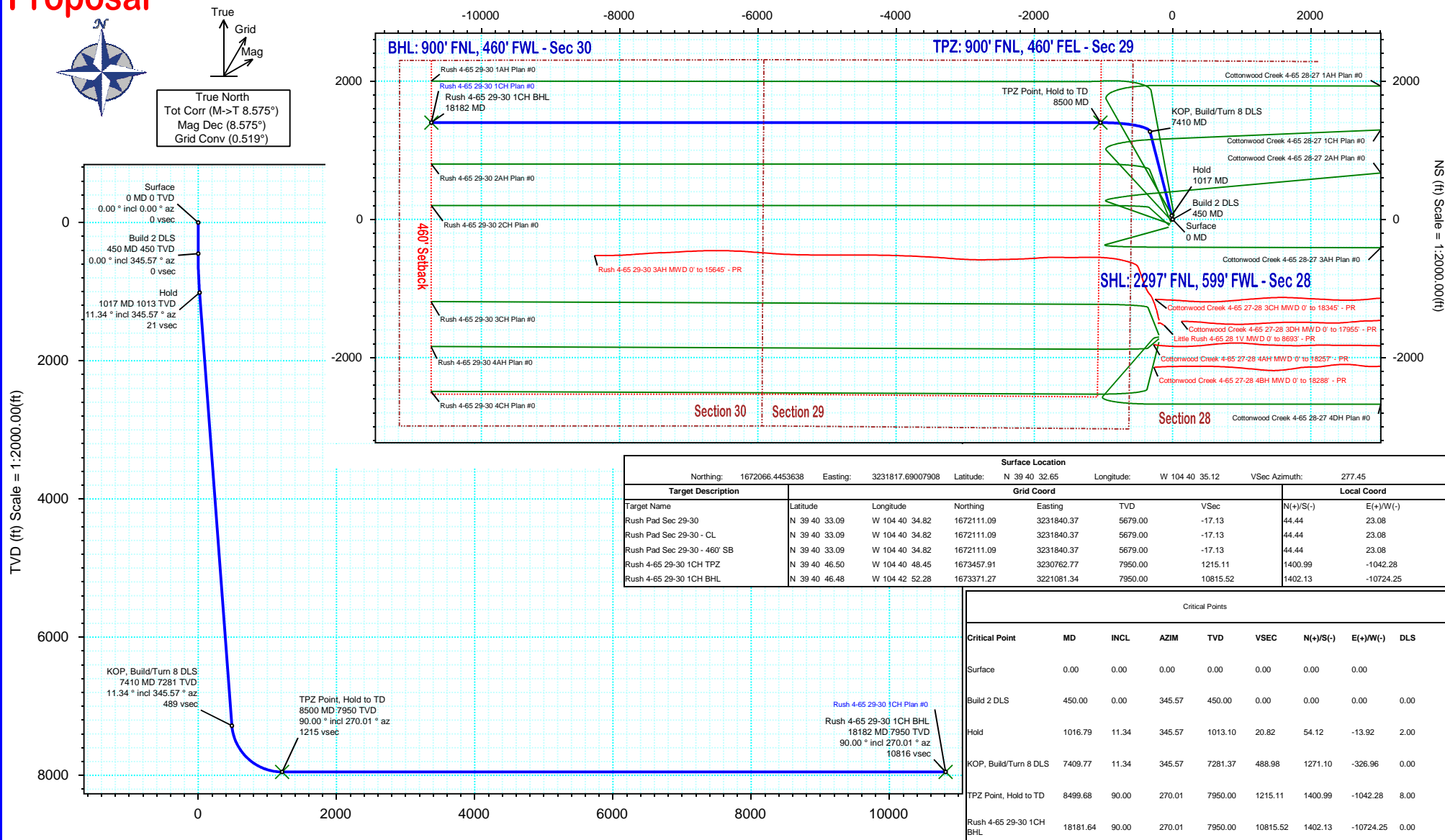
Plan 0

Borehole:	Well:	Field:	Structure:
Original Hole	Rush 4-65 29-30 1CH	CO, Arapahoe County (NAD 83 CZ)	Crestone Peak 28-04S-65W (Rush North Pad)

Gravity & Magnetic Parameters					Surface Location				NAD83 Colorado State Plane, Central Zone, US Feet				Miscellaneous			
Model:	HDGM 2020	Dip:	66.345°	Date:	22-Jun-2020	Lat:	N 39 40 32.65	Northings:	1672066.45ftUS	Grid Conv:	0.5194°	Slot:	Rush 4-65 29-30 1CH	TVD Ref:	KB 28ft(5679ft above MSL)	
MagDec:	8.575°	FS:	51550.459nT	Gravity FS:	998.915mgn (9.80665 Based)	Lon:	W 104 40 35.12	Easting:	3231817.69ftUS	Scale Fact:	0.99998615	Plan:	Rush 4-65 29-30 1CH Plan #0			

Proposal

EW (ft) Scale = 1:2000.00(ft)



Vertical Section (ft) Azim = 277.45° Scale = 1:2000.00(ft) Origin = 0N/-S, 0E/-W

## Rush 4-65 29-30 1CH Plan #0 Proposal Geodetic Report

(Def Plan)

**Report Date:** June 23, 2020 - 03:34 PM  
**Client:** Crestone Peak Resources  
**Field:** CO, Arapahoe County (NAD 83 CZ)  
**Structure / Slot:** Crestone Peak 28-04S-65W (Rush North Pad) / Rush 4-65 29-30 1CH  
**Well:** Rush 4-65 29-30 1CH  
**Borehole:** Original Hole  
**UWI / API#:** Unknown / Unknown  
**Survey Name:** Rush 4-65 29-30 1CH Plan #0  
**Survey Date:** June 22, 2020  
**Tort / AHD / DDI / ERD Ratio:** 98.528 ° / 11737.323 ft / 6.422 / 1.476  
**Coordinate Reference System:** NAD83 Colorado State Plane, Central Zone, US Feet  
**Location Lat / Long:** N 39° 40' 32.64960", W 104° 40' 35.11560"  
**Location Grid N/E Y/X:** N 1672066.445 ftUS, E 3231817.690 ftUS  
**CRS Grid Convergence Angle:** 0.5194 °  
**Grid Scale Factor:** 0.99998615  
**Version / Patch:** 2.10.810.1

**Survey / DLS Computation:** Minimum Curvature / Lubinski  
**Vertical Section Azimuth:** 277.449 ° (True North)  
**Vertical Section Origin:** 0.000 ft, 0.000 ft  
**TVD Reference Datum:** KB 28ft  
**TVD Reference Elevation:** 5679.000 ft above MSL  
**Seabed / Ground Elevation:** 5651.000 ft above MSL  
**Magnetic Declination:** 8.575 °  
**Total Gravity Field Strength:** 998.9148mgn (9.80665 Based)  
**Gravity Model:** GARM  
**Total Magnetic Field Strength:** 51550.459 nT  
**Magnetic Dip Angle:** 66.345 °  
**Declination Date:** June 22, 2020  
**Magnetic Declination Model:** HDGM 2020  
**North Reference:** True North  
**Grid Convergence Used:** 0.0000 °  
**Total Corr Mag North→True North:** 8.5747 °  
**Local Coord Referenced To:** Well Head

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	1672066.45	3231817.69	39.675736	-104.676421
Build 2 DLS	100.00	0.00	345.57	100.00	0.00	0.00	0.00	0.00	1672066.45	3231817.69	39.675736	-104.676421
	200.00	0.00	345.57	200.00	0.00	0.00	0.00	0.00	1672066.45	3231817.69	39.675736	-104.676421
	300.00	0.00	345.57	300.00	0.00	0.00	0.00	0.00	1672066.45	3231817.69	39.675736	-104.676421
	400.00	0.00	345.57	400.00	0.00	0.00	0.00	0.00	1672066.45	3231817.69	39.675736	-104.676421
	450.00	0.00	345.57	450.00	0.00	0.00	0.00	0.00	1672066.45	3231817.69	39.675736	-104.676421
	500.00	1.00	345.57	500.00	0.16	0.42	-0.11	2.00	1672068.87	3231817.58	39.675737	-104.676421
	600.00	3.00	345.57	599.93	1.46	3.80	-0.98	2.00	1672070.24	3231816.68	39.675746	-104.676424
	700.00	5.00	345.57	699.68	4.06	10.56	-2.72	2.00	1672076.98	3231814.88	39.675765	-104.676431
	800.00	7.00	345.57	799.13	7.96	20.68	-5.32	2.00	1672087.08	3231812.18	39.675793	-104.676440
	900.00	9.00	345.57	898.15	13.14	34.16	-8.79	2.00	1672100.52	3231808.59	39.675830	-104.676452
Hold	1000.00	11.00	345.57	996.63	19.61	50.97	-13.11	2.00	1672117.30	3231804.12	39.675876	-104.676468
	1016.79	11.34	345.57	1013.10	20.82	54.12	-13.92	2.00	1672120.44	3231803.28	39.675885	-104.676470
	1100.00	11.34	345.57	1094.69	26.91	69.96	-18.00	0.00	1672136.24	3231799.06	39.675928	-104.676485
	1200.00	11.34	345.57	1192.74	34.24	89.00	-22.89	0.00	1672155.23	3231793.99	39.675980	-104.676502
	1300.00	11.34	345.57	1290.78	41.56	108.04	-27.79	0.00	1672174.22	3231788.92	39.676033	-104.676520
	1400.00	11.34	345.57	1388.83	48.88	127.07	-32.69	0.00	1672193.21	3231783.85	39.676085	-104.676537
	1500.00	11.34	345.57	1486.88	56.21	146.11	-37.58	0.00	1672212.20	3231778.79	39.676137	-104.676555
	1600.00	11.34	345.57	1584.93	63.53	165.14	-42.48	0.00	1672231.20	3231773.72	39.676189	-104.676572
	1700.00	11.34	345.57	1682.98	70.85	184.18	-47.38	0.00	1672250.19	3231768.65	39.676242	-104.676589
	1800.00	11.34	345.57	1781.03	78.18	203.22	-52.27	0.00	1672269.18	3231763.58	39.676294	-104.676607
	1900.00	11.34	345.57	1879.08	85.50	222.25	-57.17	0.00	1672288.17	3231758.51	39.676346	-104.676624
	2000.00	11.34	345.57	1977.13	92.82	241.29	-62.07	0.00	1672307.16	3231753.44	39.676398	-104.676641
	2100.00	11.34	345.57	2075.18	100.15	260.33	-66.96	0.00	1672326.15	3231748.37	39.676451	-104.676659
	2200.00	11.34	345.57	2173.23	107.47	279.36	-71.86	0.00	1672345.14	3231743.30	39.676503	-104.676676
	2300.00	11.34	345.57	2271.28	114.79	298.40	-76.75	0.00	1672364.13	3231738.23	39.676555	-104.676694
	2400.00	11.34	345.57	2369.33	122.11	317.43	-81.65	0.00	1672383.12	3231733.17	39.676607	-104.676711
	2500.00	11.34	345.57	2467.38	129.44	336.47	-86.55	0.00	1672402.11	3231728.10	39.676660	-104.676728
	2600.00	11.34	345.57	2565.42	136.76	355.51	-91.44	0.00	1672421.10	3231723.03	39.676712	-104.676746
	2700.00	11.34	345.57	2663.47	144.08	374.54	-96.34	0.00	1672440.09	3231717.96	39.676764	-104.676763
	2800.00	11.34	345.57	2761.52	151.41	393.58	-101.24	0.00	1672459.08	3231712.89	39.676816	-104.676781
	2900.00	11.34	345.57	2859.57	158.73	412.61	-106.13	0.00	1672478.07	3231707.82	39.676869	-104.676798
	3000.00	11.34	345.57	2957.62	166.05	431.65	-111.03	0.00	1672497.06	3231702.75	39.676921	-104.676815
	3100.00	11.34	345.57	3055.67	173.38	450.69	-115.93	0.00	1672516.05	3231697.68	39.676973	-104.676833
	3200.00	11.34	345.57	3153.72	180.70	469.72	-120.82	0.00	1672535.05	3231692.61	39.677025	-104.676850
	3300.00	11.34	345.57	3251.77	188.02	488.76	-125.72	0.00	1672554.04	3231687.55	39.677078	-104.676868
	3400.00	11.34	345.57	3349.82	195.35	507.79	-130.62	0.00	1672573.03	3231682.48	39.677130	-104.676885
	3500.00	11.34	345.57	3447.87	202.67	526.83	-135.51	0.00	1672592.02	3231677.41	39.677182	-104.676902
	3600.00	11.34	345.57	3545.92	209.99	545.87	-140.41	0.00	1672611.01	3231672.34	39.677235	-104.676920
	3700.00	11.34	345.57	3643.97	217.31	564.90	-145.31	0.00	1672630.00	3231667.27	39.677287	-104.676937
	3800.00	11.34	345.57	3742.02	224.64	583.94	-150.20	0.00	1672648.99	3231662.20	39.677339	-104.676955
	3900.00	11.34	345.57	3840.06	231.96	602.97	-155.10	0.00	1672667.98	3231657.13	39.677391	-104.676972
	4000.00	11.34	345.57	3938.11	239.28	622.01	-160.00	0.00	1672686.97	3231652.06	39.677444	-104.676989
	4100.00	11.34	345.57	4036.16	246.61	641.05	-164.89	0.00	1672705.96	3231647.00	39.677496	-104.677007
	4200.00	11.34	345.57	4134.21	253.93	660.08	-169.79	0.00	1672724.95	3231641.93	39.677548	-104.677024
	4300.00	11.34	345.57	4232.26	261.25	679.12	-174.69	0.00	1672743.94	3231636.86	39.677600	-104.677042
	4400.00	11.34	345.57	4330.31	268.58	698.15	-179.58	0.00	1672762.93	3231631.79	39.677653	-104.677059
	4500.00	11.34	345.57	4428.36	275.90	717.19	-184.48	0.00	1672781.92	3231626.72	39.677705	-104.677076
	4600.00	11.34	345.57	4526.41	283.22	736.23	-189.38	0.00	1672800.91	3231621.65	39.677757	-104.677094
	4700.00	11.34	345.57	4624.46	290.54	755.26	-194.27	0.00	1672819.90	3231616.58	39.677809	-104.677111
	4800.00	11.34	345.57	4722.51	297.87	774.30	-199.17	0.00	1672838.89	3231611.51	39.677862	-104.677129
4900.00	11.34	345.57	4820.56	305.19	793.34	-204.06	0.00	1672857.89	3231606.44	39.677914	-104.677146	
5000.00	11.34	345.57	4918.61	312.51	812.37	-208.96	0.00	1672876.88	3231601.38	39.677966	-104.677163	
5100.00	11.34	345.57	5016.66	319.84	831.41	-213.86	0.00	1672895.87	3231596.31	39.678018	-104.677181	
5200.00	11.34	345.57	5114.70	327.16	850.44	-218.75	0.00	1672914.86	3231591.24	39.678071	-104.677198	
5300.00	11.34	345.57	5212.75	334.48	869.48	-223.65	0.00	1672933.85	3231586.17	39.678123	-104.677216	
5400.00	11.34	345.57	5310.80	341.81	888.52	-228.55	0.00	1672952.84	3231581.10	39.678175	-104.677233	
5500.00	11.34	345.57	5408.85	349.13	907.55	-233.44	0.00	1672971.83	3231576.03	39.678227	-104.677250	
5600.00	11.34	345.57	5506.90	356.45	926.59	-238.34	0.00	1672990.82	3231570.96	39.678280	-104.677268	
5700.00	11.34	345.57	5604.95	363.78	945.62	-243.24	0.00	1673009.81	3231565.89	39.678332	-104.677285	
5800.00	11.34	345.57	5703.00	371.10	964.66	-248.13	0.00	1673028.80	3231560.83	39.678384	-104.677303	
5900.00	11.34	345.57	5801.05	378.42	983.70	-253.03	0.00	1673047.79	3231555.76	39.678436	-104.677320	
6000.00	11.34	345.57	5899.10	385.74	1002.73	-257.93	0.00	1673066.78	3231550.69	39.678489	-104.677337	
6100.00	11.34	345.57	5997.15	393.07	1021.77	-262.82	0.00	1673085.77	3231545.62	39.678541	-104.677355	
6200.00	11.34	345.57	6095.20	400.39	1040.80	-267.72	0.00	1673104.76	3231540.55	39.678593	-104.677372	
6300.00	11.34	345.57	6193.25	407.71	1059.84	-272.62	0.00	1673123.75	3231535.48	39.678646	-104.677390	
6400.00	11.34	345.57	6291.30	415.04	1078.88	-277.51	0.00	1673142.74	3231530.41	39.678698	-104.677407	
6500.00	11.34	345.57	6389.34	422.36	1097.91	-282.41	0.00	1673161.74	3231525.34	39.678750	-104.677424	
6600.00	11.34	345.57	6487.39	429.68	1116.95	-287.31	0.00	1673180.73	3231520.27	39.678802	-104.677442	
6700.00	11.34	345.57	6585.44	437.01	1135.98	-292.20	0.00	1673199.72	3231515.21	39.678855	-104.677459	
6800.00	11.34	345.57	6683.49	444.33	1155.02	-297.10	0.00	1673218.71	3231510.14	39.678907	-104.677477	
6900.00	11.34	345.57	6781.54	451.65	1174.06	-302.00	0.00	1673237.70	3231505.07	39.678959	-104.677494	
7000.00	11.34	345.57	6879.59	458.98	1193.09	-306.89	0.00	1673256.69	3231500.00	39.679011	-104.677511	
7100.00	11.34	345.57	6977.64	466.30	1212.13	-311.79	0.00	1673275.68	3231494.93	39.679064	-104.677529	
7200.00	11.34	345.57	7075.69	473.62	1231.17	-316.69	0.00	1673294.67	3231489.86	39.679116	-104.677546	
7300.00	11.34	345.57	7173.74	480.94	1250.20	-321.58	0.00	1673313.66	3231484.79	39.67916		

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
KOP, Build/Turn 8 DLS	7409.77	11.34	345.57	7281.37	488.98	1271.10	-326.96	0.00	1673334.51	3231479.23	39.679225	-104.677583
	7500.00	14.83	317.16	7369.33	501.19	1288.18	-337.03	8.00	1673351.49	3231469.00	39.679272	-104.677618
	7600.00	21.01	300.36	7464.49	527.59	1306.65	-361.25	8.00	1673369.75	3231444.62	39.679323	-104.677704
	7700.00	28.10	291.33	7555.42	567.04	1324.31	-398.72	8.00	1673387.07	3231406.99	39.679372	-104.677838
	7800.00	35.55	285.77	7640.35	618.75	1340.80	-448.71	8.00	1673403.11	3231356.85	39.679417	-104.678015
	7900.00	43.18	281.95	7717.61	681.72	1355.81	-510.26	8.00	1673417.55	3231295.16	39.679458	-104.678234
	8000.00	50.90	279.08	7785.72	754.74	1369.04	-582.17	8.00	1673430.13	3231223.14	39.679494	-104.678489
	8100.00	58.68	276.79	7843.34	836.37	1380.24	-663.03	8.00	1673440.59	3231142.19	39.679525	-104.678777
	8200.00	66.49	274.85	7889.35	925.03	1389.18	-751.27	8.00	1673448.74	3231053.87	39.679550	-104.679090
	8300.00	74.33	273.13	7922.85	1018.99	1395.70	-845.18	8.00	1673454.40	3230959.90	39.679567	-104.679424
	8400.00	82.17	271.54	7943.20	1116.42	1399.66	-942.93	8.00	1673457.48	3230862.13	39.679578	-104.679771
TPZ Point, Hold to TD	8499.68	90.00	270.01	7950.00	1215.11	1400.99	-1042.28	8.00	1673457.91	3230762.77	39.679582	-104.680124
	8500.00	90.00	270.01	7950.00	1215.43	1400.99	-1042.60	0.00	1673457.90	3230762.45	39.679582	-104.680125
	8600.00	90.00	270.01	7950.00	1314.59	1401.00	-1142.60	0.00	1673457.01	3230662.45	39.679582	-104.680480
	8700.00	90.00	270.01	7950.00	1413.75	1401.01	-1242.60	0.00	1673456.12	3230562.46	39.679582	-104.680836
	8800.00	90.00	270.01	7950.00	1512.90	1401.03	-1342.60	0.00	1673455.22	3230462.46	39.679582	-104.681191
	8900.00	90.00	270.01	7950.00	1612.06	1401.04	-1442.60	0.00	1673454.33	3230362.47	39.679582	-104.681546
	9000.00	90.00	270.01	7950.00	1711.22	1401.05	-1542.60	0.00	1673453.43	3230262.47	39.679582	-104.681902
	9100.00	90.00	270.01	7950.00	1810.38	1401.06	-1642.60	0.00	1673452.54	3230162.48	39.679582	-104.682257
	9200.00	90.00	270.01	7950.00	1909.53	1401.07	-1742.60	0.00	1673451.64	3230062.48	39.679582	-104.682612
	9300.00	90.00	270.01	7950.00	2008.69	1401.08	-1842.60	0.00	1673450.75	3229962.49	39.679582	-104.682967
	9400.00	90.00	270.01	7950.00	2107.85	1401.10	-1942.60	0.00	1673449.85	3229862.50	39.679582	-104.683323
	9500.00	90.00	270.01	7950.00	2207.01	1401.11	-2042.60	0.00	1673448.96	3229762.50	39.679582	-104.683678
	9600.00	90.00	270.01	7950.00	2306.16	1401.12	-2142.60	0.00	1673448.06	3229662.51	39.679582	-104.684033
	9700.00	90.00	270.01	7950.00	2405.32	1401.13	-2242.60	0.00	1673447.17	3229562.51	39.679582	-104.684389
	9800.00	90.00	270.01	7950.00	2504.48	1401.14	-2342.60	0.00	1673446.27	3229462.52	39.679582	-104.684744
	9900.00	90.00	270.01	7950.00	2603.64	1401.16	-2442.60	0.00	1673445.38	3229362.52	39.679582	-104.685099
	10000.00	90.00	270.01	7950.00	2702.79	1401.17	-2542.60	0.00	1673444.48	3229262.53	39.679582	-104.685454
	10100.00	90.00	270.01	7950.00	2801.95	1401.18	-2642.60	0.00	1673443.59	3229162.53	39.679582	-104.685810
	10200.00	90.00	270.01	7950.00	2901.11	1401.19	-2742.60	0.00	1673442.69	3229062.54	39.679582	-104.686165
	10300.00	90.00	270.01	7950.00	3000.27	1401.20	-2842.60	0.00	1673441.80	3228962.55	39.679582	-104.686520
	10400.00	90.00	270.01	7950.00	3099.42	1401.21	-2942.60	0.00	1673440.90	3228862.55	39.679582	-104.686875
	10500.00	90.00	270.01	7950.00	3198.58	1401.23	-3042.60	0.00	1673440.01	3228762.56	39.679582	-104.687231
	10600.00	90.00	270.01	7950.00	3297.74	1401.24	-3142.60	0.00	1673439.11	3228662.56	39.679582	-104.687586
	10700.00	90.00	270.01	7950.00	3396.90	1401.25	-3242.60	0.00	1673438.22	3228562.57	39.679582	-104.687941
	10800.00	90.00	270.01	7950.00	3496.06	1401.26	-3342.60	0.00	1673437.32	3228462.57	39.679582	-104.688297
	10900.00	90.00	270.01	7950.00	3595.21	1401.27	-3442.60	0.00	1673436.43	3228362.58	39.679582	-104.688652
	11000.00	90.00	270.01	7950.00	3694.37	1401.28	-3542.60	0.00	1673435.53	3228262.59	39.679582	-104.689007
	11100.00	90.00	270.01	7950.00	3793.53	1401.30	-3642.60	0.00	1673434.64	3228162.59	39.679582	-104.689362
	11200.00	90.00	270.01	7950.00	3892.69	1401.31	-3742.60	0.00	1673433.74	3228062.60	39.679582	-104.689718
	11300.00	90.00	270.01	7950.00	3991.84	1401.32	-3842.60	0.00	1673432.85	3227962.60	39.679582	-104.690073
	11400.00	90.00	270.01	7950.00	4091.00	1401.33	-3942.60	0.00	1673431.96	3227862.61	39.679582	-104.690428
	11500.00	90.00	270.01	7950.00	4190.16	1401.34	-4042.60	0.00	1673431.06	3227762.61	39.679582	-104.690784
	11600.00	90.00	270.01	7950.00	4289.32	1401.35	-4142.60	0.00	1673430.17	3227662.62	39.679582	-104.691139
	11700.00	90.00	270.01	7950.00	4388.47	1401.37	-4242.60	0.00	1673429.27	3227562.62	39.679582	-104.691494
	11800.00	90.00	270.01	7950.00	4487.63	1401.38	-4342.60	0.00	1673428.38	3227462.63	39.679582	-104.691849
	11900.00	90.00	270.01	7950.00	4586.79	1401.39	-4442.60	0.00	1673427.48	3227362.64	39.679582	-104.692205
	12000.00	90.00	270.01	7950.00	4685.95	1401.40	-4542.60	0.00	1673426.59	3227262.64	39.679582	-104.692560
	12100.00	90.00	270.01	7950.00	4785.10	1401.41	-4642.60	0.00	1673425.69	3227162.65	39.679582	-104.692915
	12200.00	90.00	270.01	7950.00	4884.26	1401.42	-4742.60	0.00	1673424.80	3227062.65	39.679582	-104.693270
	12300.00	90.00	270.01	7950.00	4983.42	1401.44	-4842.60	0.00	1673423.90	3226962.66	39.679582	-104.693626
	12400.00	90.00	270.01	7950.00	5082.58	1401.45	-4942.60	0.00	1673423.01	3226862.66	39.679582	-104.693981
	12500.00	90.00	270.01	7950.00	5181.73	1401.46	-5042.60	0.00	1673422.11	3226762.67	39.679582	-104.694336
	12600.00	90.00	270.01	7950.00	5280.89	1401.47	-5142.60	0.00	1673421.22	3226662.67	39.679582	-104.694692
	12700.00	90.00	270.01	7950.00	5380.05	1401.48	-5242.60	0.00	1673420.32	3226562.68	39.679582	-104.695047
	12800.00	90.00	270.01	7950.00	5479.21	1401.49	-5342.60	0.00	1673419.43	3226462.69	39.679582	-104.695402
	12900.00	90.00	270.01	7950.00	5578.37	1401.51	-5442.60	0.00	1673418.53	3226362.69	39.679582	-104.695757
	13000.00	90.00	270.01	7950.00	5677.52	1401.52	-5542.60	0.00	1673417.64	3226262.70	39.679582	-104.696113
	13100.00	90.00	270.01	7950.00	5776.68	1401.53	-5642.60	0.00	1673416.74	3226162.70	39.679582	-104.696468
	13200.00	90.00	270.01	7950.00	5875.84	1401.54	-5742.60	0.00	1673415.85	3226062.71	39.679582	-104.696823
	13300.00	90.00	270.01	7950.00	5975.00	1401.55	-5842.60	0.00	1673414.95	3225962.71	39.679582	-104.697179
	13400.00	90.00	270.01	7950.00	6074.15	1401.57	-5942.60	0.00	1673414.06	3225862.72	39.679582	-104.697534
	13500.00	90.00	270.01	7950.00	6173.31	1401.58	-6042.60	0.00	1673413.16	3225762.72	39.679582	-104.697889
	13600.00	90.00	270.01	7950.00	6272.47	1401.59	-6142.60	0.00	1673412.27	3225662.73	39.679582	-104.698244
	13700.00	90.00	270.01	7950.00	6371.63	1401.60	-6242.60	0.00	1673411.37	3225562.74	39.679582	-104.698600
	13800.00	90.00	270.01	7950.00	6470.78	1401.61	-6342.60	0.00	1673410.48	3225462.74	39.679582	-104.698955
	13900.00	90.00	270.01	7950.00	6569.94	1401.62	-6442.60	0.00	1673409.58	3225362.75	39.679582	-104.699310
	14000.00	90.00	270.01	7950.00	6669.10	1401.64	-6542.60	0.00	1673408.69	3225262.75	39.679582	-104.699666
	14100.00	90.00	270.01	7950.00	6768.26	1401.65	-6642.60	0.00	1673407.80	3225162.76	39.679581	-104.700021
	14200.00	90.00	270.01	7950.00	6867.41	1401.66	-6742.60	0.00	1673406.90	3225062.76	39.679581	-104.700376
	14300.00	90.00	270.01	7950.00	6966.57	1401.67	-6842.60	0.00	1673406.01	3224962.77	39.679581	-104.700731
	14400.00	90.00	270.01	7950.00	7065.73	1401.68	-6942.60	0.00	1673405.11	3224862.78	39.679581	-104.701087
	14500.00	90.00	270.01	7950.00	7164.89	1401.69	-7042.60	0.00	1673404.22	3224762.78	39.679581	-104.701442
	14600.00	90.00	270.01	7950.00	7264.05	1401.71	-7142.60	0.00	1673403.32	3224662.79	39.679581	-104.701797
	14700.00	90.00	270.01	7950.00	7363.20	1401.72	-7242.60	0.00	1673402.43	3224562.79	39.679581	-104.702152
	14800.00	90.00	270.01	7950.00	7462.36	1401.73	-7342.60	0.00	1673401.53	3224462.80	39.679581	-104.702508
	14900.00	90.00	270.01	7950.00	7561.52	1401.74	-7442.60	0.00	1673400.64	3224362.80	39.679581	-104.702863

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	17900.00	90.00	270.01	7950.00	10536.25	1402.09	-10442.60	0.00	1673373.79	3221362.97	39.679579	-104.713521
	18000.00	90.00	270.01	7950.00	10635.40	1402.10	-10542.60	0.00	1673372.90	3221262.98	39.679579	-104.713877
	18100.00	90.00	270.01	7950.00	10734.56	1402.12	-10642.60	0.00	1673372.00	3221162.98	39.679579	-104.714232
Rush 4-65 29-30 1CH BHL	18181.64	90.00	270.01	7950.00	10815.52	1402.13	-10724.25	0.00	1673371.27	3221081.34	39.679579	-104.714522

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	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	28.000	1/100.000	13.500	9.625		NAL_MWD_PLUS_0.5_DEG- Depth Only	Original Hole / Rush 4-65 29-30 1CH Plan #0
	1	28.000	2000.000	1/100.000	13.500	9.625		NAL_MWD_PLUS_0.5_DEG	Original Hole / Rush 4-65 29-30 1CH Plan #0
	1	2000.000	18181.642	1/100.000	8.500	5.500		NAL_MWD_PLUS_0.5_DEG	Original Hole / Rush 4-65 29-30 1CH Plan #0