

Sunset 4-65 21-22 4BH Plan #1 Proposal Geodetic Report

(Def Plan)

Report Date: August 09, 2021 - 10:06 AM
Client: Crestone Peak Resources
Field: CO, Arapahoe County (NAD 83 CZ)
Structure / Slot: Crestone Peak 21-04S-65W (Grande South Pad) / Sunset 4-65 21-22 4BH
Well: Sunset 4-65 21-22 4BH
Borehole: Original Hole
UWI / API#: Unknown / Unknown
Survey Name: Sunset 4-65 21-22 4BH Plan #1
Survey Date: August 06, 2021
Tort / AHD / DDI / ERD Ratio: 115.482 ° / 11438.009 ft / 6.479 / 1.439
Coordinate Reference System: NAD83 Colorado State Plane, Central Zone, US Feet
Location Lat / Long: N 39° 41' 9.00600", W 104° 40' 36.87600"
Location Grid N/E Y/X: N 1675743.722 ftUS, E 3231646.723 ftUS
CRS Grid Convergence Angle: 0.5191 °
Grid Scale Factor: 0.9998794
Version / Patch: 2.10.826.8

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 95.345 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB 28ft
TVD Reference Elevation: 5645.900 ft above MSL
Seabed / Ground Elevation: 5617.900 ft above MSL
Magnetic Declination: 8.407 °
Total Gravity Field Strength: 998.9164mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 51414.276 nT
Magnetic Dip Angle: 66.305 °
Declination Date: August 06, 2021
Magnetic Declination Model: HDGM 2021
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North→True North: 8.4072 °
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	1675743.72	3231646.72	39.685835	-104.676910
Build 1 DLS	100.00	0.00	293.96	100.00	0.00	0.00	0.00	0.00	1675743.72	3231646.72	39.685835	-104.676910
	200.00	0.00	293.96	200.00	0.00	0.00	0.00	0.00	1675743.72	3231646.72	39.685835	-104.676910
	250.00	0.00	293.96	250.00	0.00	0.00	0.00	0.00	1675743.72	3231646.72	39.685835	-104.676910
	300.00	0.50	293.96	300.00	-0.21	0.09	-0.20	1.00	1675743.81	3231646.52	39.685835	-104.676911
	400.00	1.50	293.96	399.98	-1.86	0.80	-1.79	1.00	1675744.50	3231644.92	39.685837	-104.676916
Hold	450.03	2.00	293.96	449.99	-3.31	1.42	-3.19	1.00	1675745.11	3231643.52	39.685839	-104.676921
	500.00	2.00	293.96	499.93	-4.96	2.13	-4.78	0.00	1675745.80	3231641.92	39.685841	-104.676927
	600.00	2.00	293.96	599.87	-8.27	3.54	-7.97	0.00	1675747.19	3231638.72	39.685845	-104.676938
	700.00	2.00	293.96	699.81	-11.58	4.96	-11.16	0.00	1675748.58	3231635.51	39.685849	-104.676950
	800.00	2.00	293.96	799.75	-14.89	6.38	-14.35	0.00	1675749.97	3231632.31	39.685853	-104.676961
	900.00	2.00	293.96	899.69	-18.19	7.80	-17.54	0.00	1675751.36	3231629.11	39.685856	-104.676972
	1000.00	2.00	293.96	999.62	-21.50	9.21	-20.73	0.00	1675752.75	3231625.91	39.685860	-104.676984
	1100.00	2.00	293.96	1099.56	-24.81	10.63	-23.92	0.00	1675754.14	3231622.71	39.685864	-104.676995
	1200.00	2.00	293.96	1199.50	-28.12	12.05	-27.11	0.00	1675755.53	3231619.50	39.685868	-104.677006
	1300.00	2.00	293.96	1299.44	-31.42	13.47	-30.30	0.00	1675756.91	3231616.30	39.685872	-104.677018
Drop 1 DLS	1400.00	2.00	293.96	1399.38	-34.73	14.89	-33.49	0.00	1675758.30	3231613.10	39.685876	-104.677029
	1500.00	2.00	293.96	1499.32	-38.04	16.30	-36.68	0.00	1675759.69	3231609.90	39.685880	-104.677040
	1600.00	2.00	293.96	1599.26	-41.35	17.72	-39.87	0.00	1675761.08	3231606.69	39.685884	-104.677052
	1660.79	2.00	293.96	1660.01	-43.36	18.58	-41.81	0.00	1675761.92	3231604.75	39.685886	-104.677059
	1700.00	1.61	293.96	1699.20	-44.53	19.08	-42.94	1.00	1675762.42	3231603.61	39.685887	-104.677063
	1800.00	0.61	293.96	1799.18	-46.36	19.87	-44.71	1.00	1675763.18	3231601.84	39.685890	-104.677069
	1860.82	0.00	293.96	1860.00	-46.67	20.00	-45.00	1.00	1675763.31	3231601.54	39.685890	-104.677070
	1900.00	0.00	293.96	1899.18	-46.67	20.00	-45.00	0.00	1675763.31	3231601.54	39.685890	-104.677070
	2000.00	0.00	293.96	1999.18	-46.67	20.00	-45.00	0.00	1675763.31	3231601.54	39.685890	-104.677070
	2100.00	0.00	293.96	2099.18	-46.67	20.00	-45.00	0.00	1675763.31	3231601.54	39.685890	-104.677070
Build 2 DLS	2200.00	0.00	293.96	2199.18	-46.67	20.00	-45.00	0.00	1675763.31	3231601.54	39.685890	-104.677070
	2300.00	0.00	293.96	2299.18	-46.67	20.00	-45.00	0.00	1675763.31	3231601.54	39.685890	-104.677070
	2300.82	0.00	293.96	2300.00	-46.67	20.00	-45.00	0.00	1675763.31	3231601.54	39.685890	-104.677070
	2400.00	1.98	220.44	2399.16	-47.65	18.69	-46.11	2.00	1675762.00	3231600.44	39.685886	-104.677074
	2500.00	3.98	220.44	2499.02	-50.65	14.73	-49.49	2.00	1675758.00	3231597.10	39.685875	-104.677086
	2600.00	5.98	220.44	2598.64	-55.64	8.12	-55.12	2.00	1675751.34	3231591.53	39.685857	-104.677106
	2700.00	7.98	220.44	2697.89	-62.63	-1.13	-63.01	2.00	1675742.02	3231583.73	39.685832	-104.677134
	2800.00	9.98	220.44	2796.66	-71.61	-13.02	-73.14	2.00	1675730.04	3231573.71	39.685799	-104.677170
	2900.00	11.98	220.44	2894.82	-82.56	-27.52	-85.50	2.00	1675715.43	3231561.48	39.685759	-104.677214
	2906.59	12.12	220.44	2901.26	-83.35	-28.56	-86.39	2.00	1675714.38	3231560.60	39.685757	-104.677217
Hold	3000.00	12.12	220.44	2992.60	-94.63	-43.48	-99.11	0.00	1675699.34	3231548.01	39.685716	-104.677262
	3100.00	12.12	220.44	3090.37	-106.69	-59.46	-112.72	0.00	1675683.25	3231534.55	39.685672	-104.677311
	3200.00	12.12	220.44	3188.14	-118.76	-75.43	-126.34	0.00	1675667.15	3231521.08	39.685628	-104.677359
	3300.00	12.12	220.44	3285.91	-130.83	-91.40	-139.95	0.00	1675651.06	3231507.61	39.685584	-104.677407
	3400.00	12.12	220.44	3383.69	-142.89	-107.38	-153.56	0.00	1675634.96	3231494.14	39.685540	-104.677456
	3500.00	12.12	220.44	3481.46	-154.96	-123.35	-167.18	0.00	1675618.86	3231480.67	39.685496	-104.677504
	3600.00	12.12	220.44	3579.23	-167.03	-139.32	-180.79	0.00	1675602.77	3231467.20	39.685453	-104.677552
	3700.00	12.12	220.44	3677.01	-179.10	-155.30	-194.41	0.00	1675586.67	3231453.73	39.685409	-104.677601
	3800.00	12.12	220.44	3774.78	-191.16	-171.27	-208.02	0.00	1675570.58	3231440.26	39.685365	-104.677649
	3900.00	12.12	220.44	3872.55	-203.23	-187.24	-221.64	0.00	1675554.48	3231426.80	39.685321	-104.677697
	4000.00	12.12	220.44	3970.32	-215.30	-203.22	-235.25	0.00	1675538.38	3231413.33	39.685277	-104.677746
	4100.00	12.12	220.44	4068.10	-227.37	-219.19	-248.86	0.00	1675522.29	3231399.86	39.685233	-104.677794
	4200.00	12.12	220.44	4165.87	-239.43	-235.16	-262.48	0.00	1675506.19	3231386.39	39.685189	-104.677843
	4300.00	12.12	220.44	4263.64	-251.50	-251.14	-276.09	0.00	1675490.10	3231372.92	39.685146	-104.677891
	4400.00	12.12	220.44	4361.41	-263.57	-267.11	-289.71	0.00	1675474.00	3231359.45	39.685102	-104.677939
	4500.00	12.12	220.44	4459.19	-275.63	-283.08	-303.32	0.00	1675457.90	3231345.98	39.685058	-104.677988
	4600.00	12.12	220.44	4556.96	-287.70	-299.06	-316.94	0.00	1675441.81	3231332.51	39.685014	-104.678036
	4700.00	12.12	220.44	4654.73	-299.77	-315.03	-330.55	0.00	1675425.71	3231319.05	39.684970	-104.678084
	4800.00	12.12	220.44	4752.50	-311.84	-331.01	-344.16	0.00	1675409.62	3231305.58	39.684926	-104.678133
	4900.00	12.12	220.44	4850.28	-323.90	-346.98	-357.78	0.00	1675393.52	3231292.11	39.684882	-104.678181
	5000.00	12.12	220.44	4948.05	-335.97	-362.95	-371.39	0.00	1675377.42	3231278.64	39.684839	-104.678230
	5100.00	12.12	220.44	5045.82	-348.04	-378.93	-385.01	0.00	1675361.33	3231265.17	39.684795	-104.678278
	5200.00	12.12	220.44	5143.60	-360.10	-394.90	-398.62	0.00	1675345.23	3231251.70	39.684751	-104.678326
	5300.00	12.12	220.44	5241.37	-372.17	-410.87	-412.24	0.00	1675329.14	3231238.23	39.684707	-104.678375
	5400.00	12.12	220.44	5339.14	-384.24	-426.85	-425.85	0.00	1675313.04	3231224.76	39.684663	-104.678423
	5500.00	12.12	220.44	5436.91	-396.31	-442.82	-439.46	0.00	1675296.95	3231211.29	39.684619	-104.678471
	5600.00	12.12	220.44	5534.69	-408.37	-458.79	-453.08	0.00	1675280.85	3231197.83	39.684575	-104.678520
	5700.00	12.12	220.44	5632.46	-420.44	-474.77	-466.69	0.00	1675264.75	3231184.36	39.684532	-104.678568
	5800.00	12.12	220.44	5730.23	-432.51	-490.74	-480.31	0.00	1675248.66	3231170.89	39.684488	-104.678617
	5900.00	12.12	220.44	5828.00	-444.57	-506.71	-493.92	0.00	1675232.56	3231157.42	39.684444	-104.678665
6000.00	12.12	220.44	5925.78	-456.64	-522.69	-507.54	0.00	1675216.47	3231143.95	39.684400	-104.678713	
6100.00	12.12	220.44	6023.55	-468.71	-538.66	-521.15	0.00	1675200.37	3231130.48	39.684356	-104.678762	
6200.00	12.12	220.44	6121.32	-480.78	-554.63	-534.76	0.00	1675184.27	3231117.01	39.684312	-104.678810	
6300.00	12.12	220.44	6219.10	-492.84	-570.61	-548.38	0.00	1675168.18	3231103.54	39.684269	-104.678858	
6400.00	12.12	220.44	6316.87	-504.91	-586.58	-561.99	0.00	1675152.08	3231090.08	39.684225	-104.678907	
6500.00	12.12	220.44	6414.64	-516.98	-602.55	-575.61	0.00	1675135.99	3231076.61	39.684181	-104.678955	
6600.00	12.12	220.44	6512.41	-529.05	-618.53	-589.22	0.00	1675119.89	3231063.14	39.684137	-104.679004	
6700.00	12.12	220.44	6610.19	-541.11	-634.50	-602.84	0.00	1675103.79	3231049.67	39.684093	-104.679052	
6800.00	12.12	220.44	6707.96	-553.18	-650.47	-616.45	0.00	1675087.70	3231036.20	39.684049	-104.679100	
6900.00	12.12	220.44	6805.73	-565.25	-666.45	-630.06	0.00	1675071.60	3231022.73	39.684005	-104.679149	
7000.00	12.12	220.42										

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	7200.00	12.12	220.44	7099.05	-601.45	-714.37	-670.91	0.00	1675023.32	3230982.32	39.683874	-104.679294
KOP, Build/Turn 8 DLS	7253.70	12.12	220.44	7151.56	-607.93	-722.95	-678.22	0.00	1675014.62	3230975.09	39.683850	-104.679320
	7300.00	10.26	203.80	7196.98	-612.03	-730.42	-683.04	8.00	1675007.15	3230970.34	39.683830	-104.679337
	7400.00	10.42	158.08	7295.52	-610.70	-746.99	-683.25	8.00	1674990.58	3230970.27	39.683784	-104.679338
	7500.00	15.45	129.47	7393.05	-595.51	-763.87	-669.57	8.00	1674973.82	3230984.11	39.683738	-104.679289
	7600.00	22.26	116.25	7487.67	-566.74	-780.75	-642.26	8.00	1674957.20	3231011.57	39.683692	-104.679192
	7700.00	29.65	109.18	7577.54	-524.96	-797.28	-601.84	8.00	1674941.03	3231052.14	39.683646	-104.679048
	7800.00	37.28	104.76	7660.91	-470.98	-813.15	-549.11	8.00	1674925.65	3231105.01	39.683603	-104.678861
	7900.00	45.02	101.67	7736.17	-405.85	-828.04	-485.09	8.00	1674911.33	3231169.16	39.683562	-104.678634
	8000.00	52.82	99.33	7801.84	-330.84	-841.68	-411.03	8.00	1674898.37	3231243.34	39.683524	-104.678370
	8100.00	60.66	97.42	7856.64	-247.41	-853.78	-328.36	8.00	1674887.01	3231326.11	39.683491	-104.678077
	8200.00	68.52	95.79	7899.52	-157.18	-864.13	-238.71	8.00	1674877.48	3231415.86	39.683463	-104.677758
	8300.00	76.40	94.33	7929.63	-61.90	-872.51	-143.80	8.00	1674869.96	3231510.83	39.683440	-104.677421
	8400.00	84.29	92.96	7946.39	36.56	-878.76	-45.50	8.00	1674864.60	3231609.19	39.683423	-104.677072
TPZ Point, Turn 2 DLS	8472.42	90.00	92.00	7950.00	108.77	-881.89	26.74	8.00	1674862.12	3231681.45	39.683414	-104.676815
	8500.00	90.00	91.45	7950.00	136.29	-882.72	54.30	2.00	1674861.54	3231709.02	39.683412	-104.676717
	8565.85	90.00	90.13	7950.00	201.93	-883.63	120.15	2.00	1674861.23	3231774.87	39.683409	-104.676483
Hold to TD	8600.00	90.00	90.13	7950.00	235.94	-883.71	154.29	0.00	1674861.46	3231809.01	39.683409	-104.676362
	8700.00	90.00	90.13	7950.00	335.52	-883.94	254.29	0.00	1674862.14	3231909.01	39.683408	-104.676006
	8800.00	90.00	90.13	7950.00	435.11	-884.16	354.29	0.00	1674862.82	3232009.01	39.683408	-104.675651
	8900.00	90.00	90.13	7950.00	534.70	-884.39	454.29	0.00	1674863.49	3232109.00	39.683407	-104.675296
	9000.00	90.00	90.13	7950.00	634.28	-884.62	554.29	0.00	1674864.17	3232209.00	39.683406	-104.674941
	9100.00	90.00	90.13	7950.00	733.87	-884.85	654.29	0.00	1674864.85	3232309.00	39.683406	-104.674585
	9200.00	90.00	90.13	7950.00	833.46	-885.08	754.29	0.00	1674865.52	3232408.99	39.683405	-104.674230
	9300.00	90.00	90.13	7950.00	933.04	-885.31	854.29	0.00	1674866.20	3232508.99	39.683405	-104.673875
	9400.00	90.00	90.13	7950.00	1032.63	-885.54	954.29	0.00	1674866.88	3232608.99	39.683404	-104.673519
	9500.00	90.00	90.13	7950.00	1132.22	-885.77	1054.29	0.00	1674867.55	3232708.98	39.683403	-104.673164
	9600.00	90.00	90.13	7950.00	1231.80	-886.00	1154.29	0.00	1674868.23	3232808.98	39.683403	-104.672809
	9700.00	90.00	90.13	7950.00	1331.39	-886.23	1254.29	0.00	1674868.90	3232908.97	39.683402	-104.672454
	9800.00	90.00	90.13	7950.00	1430.97	-886.46	1354.29	0.00	1674869.58	3233008.97	39.683401	-104.672098
	9900.00	90.00	90.13	7950.00	1530.56	-886.69	1454.29	0.00	1674870.26	3233108.97	39.683401	-104.671743
	10000.00	90.00	90.13	7950.00	1630.15	-886.92	1554.29	0.00	1674870.93	3233208.96	39.683400	-104.671388
	10100.00	90.00	90.13	7950.00	1729.73	-887.15	1654.29	0.00	1674871.61	3233308.96	39.683399	-104.671032
	10200.00	90.00	90.13	7950.00	1829.32	-887.38	1754.29	0.00	1674872.29	3233408.96	39.683399	-104.670677
	10300.00	90.00	90.13	7950.00	1928.91	-887.61	1854.29	0.00	1674872.96	3233508.95	39.683398	-104.670322
	10400.00	90.00	90.13	7950.00	2028.49	-887.84	1954.29	0.00	1674873.64	3233608.95	39.683397	-104.669966
	10500.00	90.00	90.13	7950.00	2128.08	-888.06	2054.29	0.00	1674874.32	3233708.94	39.683397	-104.669611
	10600.00	90.00	90.13	7950.00	2227.67	-888.29	2154.29	0.00	1674874.99	3233808.94	39.683396	-104.669256
	10700.00	90.00	90.13	7950.00	2327.25	-888.52	2254.29	0.00	1674875.67	3233908.94	39.683396	-104.668901
	10800.00	90.00	90.13	7950.00	2426.84	-888.75	2354.29	0.00	1674876.35	3234008.93	39.683395	-104.668545
	10900.00	90.00	90.13	7950.00	2526.42	-888.98	2454.29	0.00	1674877.02	3234108.93	39.683394	-104.668190
	11000.00	90.00	90.13	7950.00	2626.01	-889.21	2554.29	0.00	1674877.70	3234208.93	39.683394	-104.667835
	11100.00	90.00	90.13	7950.00	2725.60	-889.44	2654.29	0.00	1674878.38	3234308.92	39.683393	-104.667479
	11200.00	90.00	90.13	7950.00	2825.18	-889.67	2754.29	0.00	1674879.05	3234408.92	39.683392	-104.667124
	11300.00	90.00	90.13	7950.00	2924.77	-889.90	2854.29	0.00	1674879.73	3234508.92	39.683392	-104.666769
	11400.00	90.00	90.13	7950.00	3024.36	-890.13	2954.29	0.00	1674880.41	3234608.91	39.683391	-104.666413
	11500.00	90.00	90.13	7950.00	3123.94	-890.36	3054.29	0.00	1674881.08	3234708.91	39.683390	-104.666058
	11600.00	90.00	90.13	7950.00	3223.53	-890.59	3154.29	0.00	1674881.76	3234808.90	39.683390	-104.665703
	11700.00	90.00	90.13	7950.00	3323.12	-890.82	3254.29	0.00	1674882.44	3234908.90	39.683389	-104.665348
	11800.00	90.00	90.13	7950.00	3422.70	-891.05	3354.29	0.00	1674883.11	3235008.90	39.683388	-104.664992
	11900.00	90.00	90.13	7950.00	3522.29	-891.28	3454.29	0.00	1674883.79	3235108.89	39.683388	-104.664637
	12000.00	90.00	90.13	7950.00	3621.87	-891.51	3554.29	0.00	1674884.47	3235208.89	39.683387	-104.664282
	12100.00	90.00	90.13	7950.00	3721.46	-891.74	3654.29	0.00	1674885.14	3235308.89	39.683386	-104.663926
	12200.00	90.00	90.13	7950.00	3821.05	-891.96	3754.28	0.00	1674885.82	3235408.88	39.683386	-104.663571
	12300.00	90.00	90.13	7950.00	3920.63	-892.19	3854.28	0.00	1674886.50	3235508.88	39.683385	-104.663216
	12400.00	90.00	90.13	7950.00	4020.22	-892.42	3954.28	0.00	1674887.17	3235608.87	39.683384	-104.662860
	12500.00	90.00	90.13	7950.00	4119.81	-892.65	4054.28	0.00	1674887.85	3235708.87	39.683384	-104.662505
	12600.00	90.00	90.13	7950.00	4219.39	-892.88	4154.28	0.00	1674888.53	3235808.87	39.683383	-104.662150
	12700.00	90.00	90.13	7950.00	4318.98	-893.11	4254.28	0.00	1674889.20	3235908.86	39.683382	-104.661795
	12800.00	90.00	90.13	7950.00	4418.56	-893.34	4354.28	0.00	1674889.88	3236008.86	39.683382	-104.661439
	12900.00	90.00	90.13	7950.00	4518.15	-893.57	4454.28	0.00	1674890.56	3236108.86	39.683381	-104.661084
	13000.00	90.00	90.13	7950.00	4617.74	-893.80	4554.28	0.00	1674891.23	3236208.85	39.683380	-104.660729
	13100.00	90.00	90.13	7950.00	4717.32	-894.03	4654.28	0.00	1674891.91	3236308.85	39.683380	-104.660373
	13200.00	90.00	90.13	7950.00	4816.91	-894.26	4754.28	0.00	1674892.59	3236408.84	39.683379	-104.660018
	13300.00	90.00	90.13	7950.00	4916.50	-894.49	4854.28	0.00	1674893.26	3236508.84	39.683378	-104.659663
	13400.00	90.00	90.13	7950.00	5016.08	-894.72	4954.28	0.00	1674893.94	3236608.84	39.683377	-104.659307
	13500.00	90.00	90.13	7950.00	5115.67	-894.95	5054.28	0.00	1674894.62	3236708.83	39.683377	-104.658952
	13600.00	90.00	90.13	7950.00	5215.26	-895.18	5154.28	0.00	1674895.29	3236808.83	39.683376	-104.658597
	13700.00	90.00	90.13	7950.00	5314.84	-895.41	5254.28	0.00	1674895.97	3236908.83	39.683375	-104.658242
	13800.00	90.00	90.13	7950.00	5414.43	-895.63	5354.28	0.00	1674896.65	3237008.82	39.683375	-104.657886
	13900.00	90.00	90.13	7950.00	5514.01	-895.86	5454.28	0.00	1674897.32	3237108.82	39.683374	-104.657531
	14000.00	90.00	90.13	7950.00	5613.60	-896.09	5554.28	0.00	1674898.00	3237208.82	39.683373	-104.657176
	14100.00	90.00	90.13	7950.00	5713.19	-896.32	5654.28	0.00	1674898.68	3237308.81	39.683373	-104.656820
	14200.00	90.00	90.13	7950.00	5812.77	-896.55	5754.28	0.00	1674899.35	3237408.81	39.683372	-104.656465
	14300.00	90.00	90.13	7950.00	5912.36	-896.78	5854.28	0.00	1674900.03	3237508.80	39.683371	-104.656110
	14400.00	90.00	90.13	7950.00	6011.95	-897.01	5954.28	0.00	1674900.71	3237608.80	39.683371	-104.655755
	14500.00	90.00	90.13	7950.00	6111.53	-897.24	6054.28	0.00	1674901.38	3237708.80	39.683370	-104.655399
	14600.00	90.00	90.13	7950.00	6211.12	-897.47	6154.28	0.00	167			

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	17500.00	90.00	90.13	7950.00	9099.12	-904.12	9054.27	0.00	1674921.68	3240708.69	39.683349	-104.644740
	17600.00	90.00	90.13	7950.00	9198.71	-904.35	9154.27	0.00	1674922.36	3240808.68	39.683348	-104.644385
	17700.00	90.00	90.13	7950.00	9298.30	-904.58	9254.27	0.00	1674923.03	3240908.68	39.683347	-104.644030
	17800.00	90.00	90.13	7950.00	9397.88	-904.81	9354.27	0.00	1674923.71	3241008.67	39.683346	-104.643674
	17900.00	90.00	90.13	7950.00	9497.47	-905.04	9454.27	0.00	1674924.39	3241108.67	39.683346	-104.643319
	18000.00	90.00	90.13	7950.00	9597.05	-905.27	9554.27	0.00	1674925.06	3241208.67	39.683345	-104.642964
	18100.00	90.00	90.13	7950.00	9696.64	-905.50	9654.27	0.00	1674925.74	3241308.66	39.683344	-104.642608
Sunset 4-65 21-22 4BH BHL	18125.19	90.00	90.13	7950.00	9721.73	-905.56	9679.46	0.00	1674925.91	3241333.85	39.683344	-104.642519

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	28.000	1/100.000	13.500	9.625		NAL_MWD-NON_SLB-Depth Only	Original Hole / Sunset 4-65 21-22 4BH Plan #1
	1	28.000	2200.000	1/100.000	13.500	9.625		NAL_MWD-NON_SLB	Original Hole / Sunset 4-65 21-22 4BH Plan #1
	1	2200.000	18125.190	1/100.000	8.500	5.500		NAL_MWD_PLUS_0.5_DEG	Original Hole / Sunset 4-65 21-22 4BH Plan #1