



Crestone Peak Resources

Schlumberger

Plan 1

Borehole:	Well:	Field:	Structure:
Original Hole	State Massive 5-65 2-3 2AH	CO, Arapahoe County (NAD 83 CZ)	Crestone Peak 02-05S-65W (State Massive 5-65 2-3 Pad)

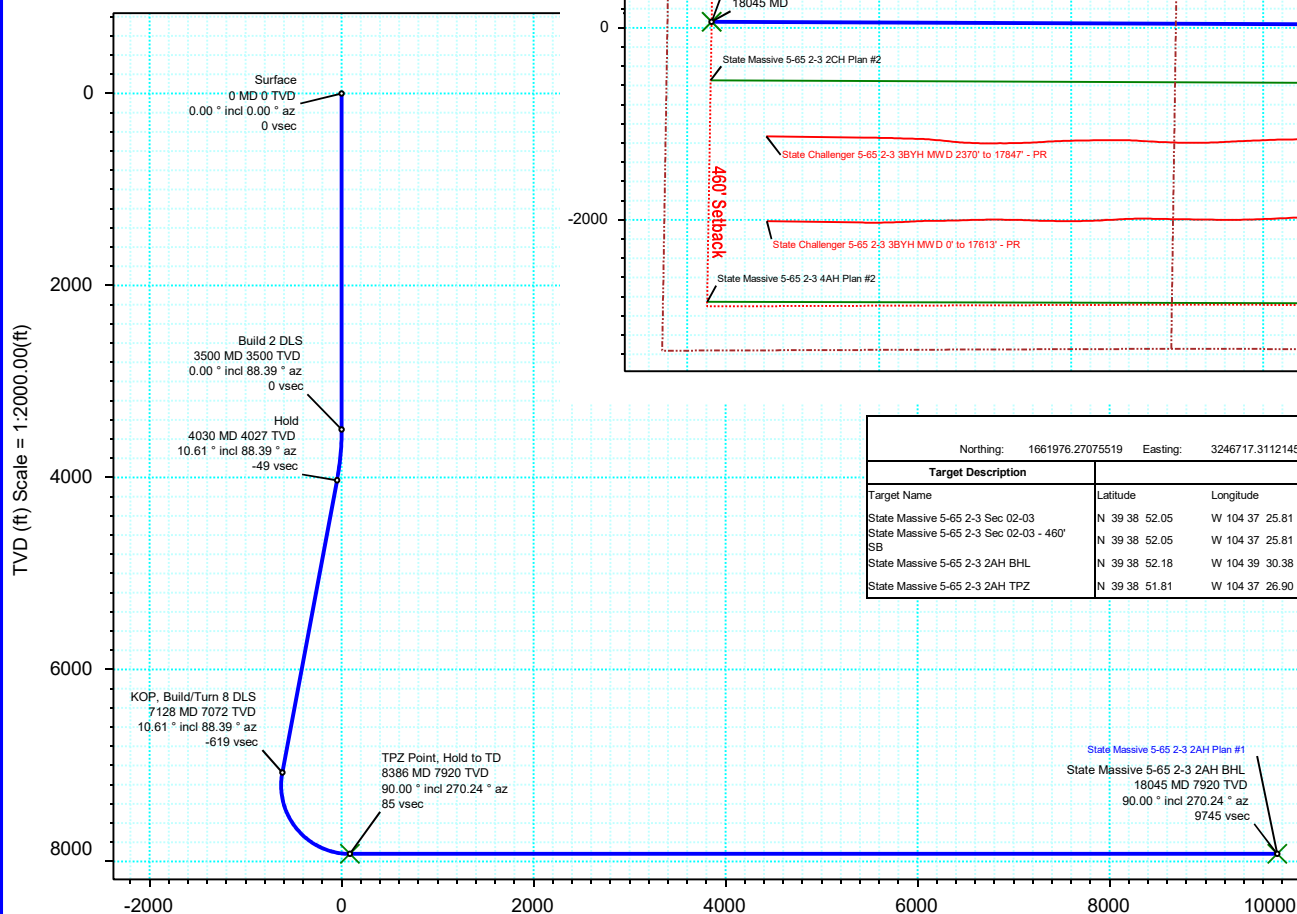
Gravity & Magnetic Parameters					Surface Location					NAD83 Colorado State Plane, Central Zone, US Feet					Miscellaneous		
Model:	HDGM 2019	Dip:	66.383°	Date:	19-Mar-2020	Lat:	N 39 38 51.55	Northing:	1661976.27ftUS	Grid Conv:	0.5526°	Slot:	State Massive 5-65 2-3 2AH	TVD Ref:	KB 28ft(5855.8ft above MSL)		
MagDec:	8.549°	FS:	51657.892nT	Gravity FS:	998.902mgn (9.80665 Based)	Lon:	W 104 37 25.81	Easting:	3246717.31ftUS	Scale Fact:	0.99998136	Plan:	State Massive 5-65 2-3 2AH Plan #1				

Proposal

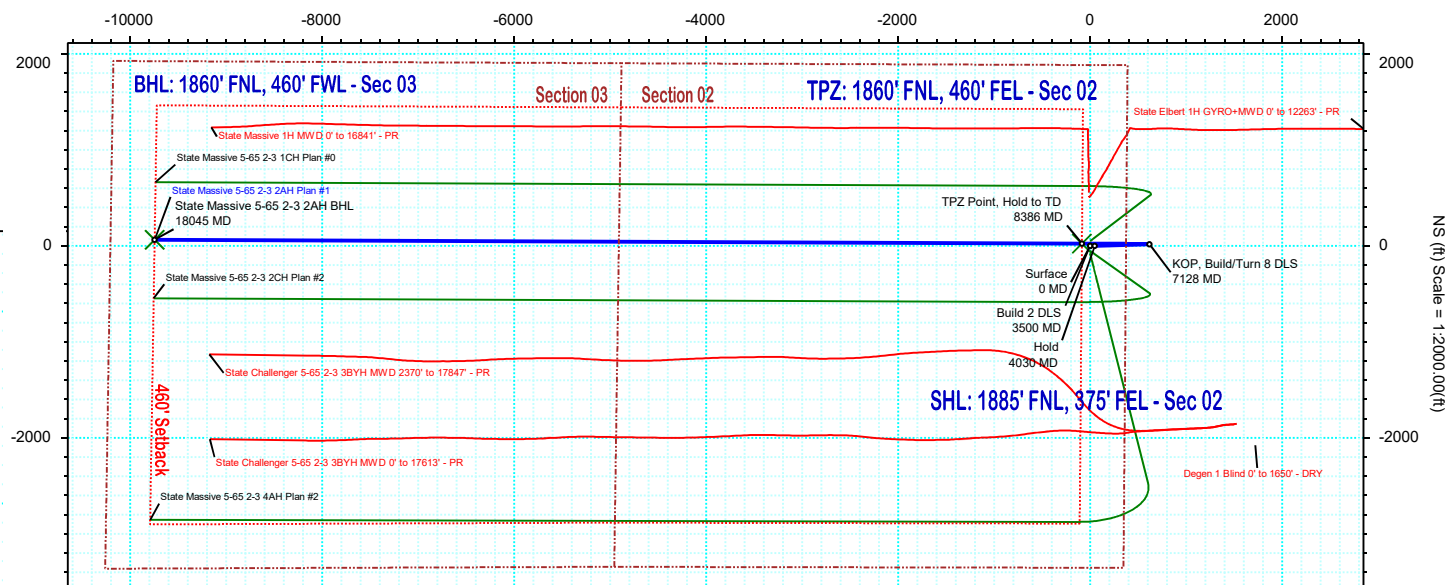
EW (ft) Scale = 1:2000.00(ft)



True North
Tot Corr (M->T 8.549°)
Mag Dec (8.549°)
Grid Conv (0.553°)



Vertical Section (ft) Azim = 270.39° Scale = 1:2000.00(ft) Origin = 0N/-S, 0E/-W



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

Surface Location									
Northing: 1661976.27075519		Easting: 3246717.31121456		Latitude: N 39 38 51.55	Longitude: W 104 37 25.81		VSec Azimuth: 270.39		
Target Description		Grid Coord						Local Coord	
Target Name	Latitude	Longitude	Northing	Easting	TVD	VSec	N(+)S(-)	E(+)W(-)	
State Massive 5-65 2-3 Sec 02-03	N 39 38 52.05	W 104 37 25.81	1662026.17	3246717.11	5855.80	0.05	49.90	0.28	
State Massive 5-65 2-3 Sec 02-03 - 460' SB	N 39 38 52.05	W 104 37 25.81	1662026.17	3246717.11	5855.80	0.05	49.90	0.28	
State Massive 5-65 2-3 2AH BHL	N 39 38 52.18	W 104 39 30.38	1661947.89	3236972.93	7920.00		65.60	-9744.40	
State Massive 5-65 2-3 2AH TPZ	N 39 38 51.81	W 104 37 26.90	1662000.95	3246632.03	7920.00	85.21	25.50	-85.04	

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	3500.00	0.00	88.39	3500.00	0.00	0.00	0.00	0.00
Hold	4030.36	10.61	88.39	4027.33	-48.92	1.38	48.93	2.00
KOP, Build/Turn 8 DLS	7128.01	10.61	88.39	7072.05	-618.77	17.44	618.90	0.00
TPZ Point, Hold to TD	8385.53	90.00	270.24	7920.00	85.21	25.50	-85.04	8.00
State Massive 5-65 2-3 2AH BHL	18044.97	90.00	270.24	7920.00	9744.62	65.60	-9744.40	0.00

State Massive 5-65 2-3 2AH Plan #1 Proposal Geodetic Report

(Def Plan)

Report Date: April 24, 2020 - 10:12 AM
Client: Crestone Peak Resources
Field: CO, Arapahoe County (NAD 83 CZ)
Structure / Slot: Crestone Peak 02-05S-65W (State Massive 5-65 2-3 Pad) / State
Well: Massive 5-65 2-3 2AH
Borehole: State Massive 5-65 2-3 2AH
UWI / API#: Original Hole
Survey Name: Unknown / Unknown
Survey Date: State Massive 5-65 2-3 2AH Plan #1
Tort / AHD / DDI / ERD Ratio: March 19, 2020
Coordinate Reference System: 111.209 ° / 11007.150 ft / 6.445 / 1.390
Location Lat / Long: NAD83 Colorado State Plane, Central Zone, US Feet
Location Grid N/E Y/X: N 39° 38' 51.55440", W 104° 37' 25.80960"
CRS Grid Convergence Angle: N 1661976.271 ftUS, E 3246717.311 ftUS
Grid Scale Factor: 0.5526 °
Version / Patch: 0.99998136
2.10.787.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 270.386 ° (True North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: KB 28ft
TVD Reference Elevation: 5855.800 ft above MSL
Seabed / Ground Elevation: 5827.800 ft above MSL
Magnetic Declination: 8.549 °
Total Gravity Field Strength: 998.9024mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 51657.892 nT
Magnetic Dip Angle: 66.383 °
Declination Date: March 19, 2020
Magnetic Declination Model: HDGM 2019
North Reference: True North
Grid Convergence Used: 0.0000 °
Total Corr Mag North→True North: 8.5486 °
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	1661976.27	3246717.31	39.647654	-104.623836	
	100.00	0.00	88.39	100.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	200.00	0.00	88.39	200.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	300.00	0.00	88.39	300.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	400.00	0.00	88.39	400.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	500.00	0.00	88.39	500.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	600.00	0.00	88.39	600.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	700.00	0.00	88.39	700.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	800.00	0.00	88.39	800.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	900.00	0.00	88.39	900.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1000.00	0.00	88.39	1000.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1100.00	0.00	88.39	1100.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1200.00	0.00	88.39	1200.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1300.00	0.00	88.39	1300.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1400.00	0.00	88.39	1400.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1500.00	0.00	88.39	1500.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1600.00	0.00	88.39	1600.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1700.00	0.00	88.39	1700.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1800.00	0.00	88.39	1800.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	1900.00	0.00	88.39	1900.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2000.00	0.00	88.39	2000.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2100.00	0.00	88.39	2100.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2200.00	0.00	88.39	2200.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2300.00	0.00	88.39	2300.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2400.00	0.00	88.39	2400.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2500.00	0.00	88.39	2500.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2600.00	0.00	88.39	2600.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2700.00	0.00	88.39	2700.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2800.00	0.00	88.39	2800.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	2900.00	0.00	88.39	2900.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	3000.00	0.00	88.39	3000.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	3100.00	0.00	88.39	3100.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	3200.00	0.00	88.39	3200.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	3300.00	0.00	88.39	3300.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
3400.00	0.00	88.39	3400.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836		
Build 2 DLS	3500.00	0.00	88.39	3500.00	0.00	0.00	0.00	0.00	1661976.27	3246717.31	39.647654	-104.623836	
	3600.00	2.00	88.39	3599.98	-1.74	0.05	1.74	2.00	1661976.34	3246719.06	39.647654	-104.623830	
	3700.00	4.00	88.39	3699.84	-6.97	0.20	6.98	2.00	1661976.53	3246724.28	39.647655	-104.623811	
3800.00	6.00	88.39	3799.45	-15.68	0.44	15.69	2.00	1661976.86	3246732.99	39.647655	-104.623780		
3900.00	8.00	88.39	3898.70	-27.86	0.79	27.87	2.00	1661977.32	3246745.17	39.647656	-104.623737		
4000.00	10.00	88.39	3997.47	-43.50	1.23	43.51	2.00	1661977.92	3246760.80	39.647657	-104.623682		
Hold	4030.36	10.61	88.39	4027.33	-48.92	1.38	48.93	2.00	1661978.12	3246766.23	39.647658	-104.623662	
	4100.00	10.61	88.39	4095.79	-61.73	1.74	61.75	0.00	1661978.61	3246779.04	39.647659	-104.623617	
	4200.00	10.61	88.39	4194.08	-80.13	2.26	80.15	0.00	1661979.30	3246797.43	39.647660	-104.623551	
	4300.00	10.61	88.39	4292.37	-98.53	2.78	98.55	0.00	1661980.00	3246815.83	39.647662	-104.623486	
	4400.00	10.61	88.39	4390.66	-116.92	3.30	116.95	0.00	1661980.69	3246834.22	39.647663	-104.623421	
	4500.00	10.61	88.39	4488.95	-135.32	3.81	135.35	0.00	1661981.39	3246852.61	39.647664	-104.623355	
	4600.00	10.61	88.39	4587.24	-153.71	4.33	153.75	0.00	1661982.09	3246871.01	39.647666	-104.623290	
	4700.00	10.61	88.39	4685.53	-172.11	4.85	172.15	0.00	1661982.78	3246889.40	39.647667	-104.623225	
	4800.00	10.61	88.39	4783.82	-190.51	5.37	190.55	0.00	1661983.48	3246907.79	39.647669	-104.623159	
	4900.00	10.61	88.39	4882.12	-208.90	5.89	208.95	0.00	1661984.17	3246926.19	39.647670	-104.623094	
	5000.00	10.61	88.39	4980.41	-227.30	6.41	227.35	0.00	1661984.87	3246944.58	39.647672	-104.623029	
	5100.00	10.61	88.39	5078.70	-245.70	6.93	245.75	0.00	1661985.57	3246962.98	39.647673	-104.622963	
	5200.00	10.61	88.39	5176.99	-264.09	7.44	264.15	0.00	1661986.26	3246981.37	39.647674	-104.622898	
	5300.00	10.61	88.39	5275.28	-282.49	7.96	282.55	0.00	1661986.96	3246999.76	39.647676	-104.622833	
	5400.00	10.61	88.39	5373.57	-300.88	8.48	300.95	0.00	1661987.65	3247018.16	39.647677	-104.622767	
	5500.00	10.61	88.39	5471.86	-319.28	9.00	319.35	0.00	1661988.35	3247036.55	39.647679	-104.622702	
	5600.00	10.61	88.39	5570.15	-337.68	9.52	337.75	0.00	1661989.05	3247054.94	39.647680	-104.622637	
	5700.00	10.61	88.39	5668.45	-356.07	10.04	356.15	0.00	1661989.74	3247073.34	39.647682	-104.622571	
	5800.00	10.61	88.39	5766.74	-374.47	10.56	374.55	0.00	1661990.44	3247091.73	39.647683	-104.622506	
	5900.00	10.61	88.39	5865.03	-392.86	11.07	392.95	0.00	1661991.13	3247110.13	39.647684	-104.622441	
	6000.00	10.61	88.39	5963.32	-411.26	11.59	411.35	0.00	1661991.83	3247128.52	39.647686	-104.622375	
	6100.00	10.61	88.39	6061.61	-429.66	12.11	429.75	0.00	1661992.53	3247146.91	39.647687	-104.622310	
	6200.00	10.61	88.39	6159.90	-448.05	12.63	448.15	0.00	1661993.22	3247165.31	39.647689	-104.622245	
	6300.00	10.61	88.39	6258.19	-466.45	13.15	466.55	0.00	1661993.92	3247183.70	39.647690	-104.622179	
	6400.00	10.61	88.39	6356.48	-484.85	13.67	484.95	0.00	1661994.61	3247202.09	39.647692	-104.622114	
	6500.00	10.61	88.39	6454.78	-503.24	14.19	503.35	0.00	1661995.31	3247220.49	39.647693	-104.622049	
	6600.00	10.61	88.39	6553.07	-521.64	14.71	521.75	0.00	1661996.01	3247238.88	39.647694	-104.621983	
	6700.00	10.61	88.39	6651.36	-540.03	15.22	540.15	0.00	1661996.70	3247257.28	39.647696	-104.621918	
	6800.00	10.61	88.39	6749.65	-558.43	15.74	558.55	0.00	1661997.40	3247275.67	39.647697	-104.621853	
	6900.00	10.61	88.39	6847.94	-576.83	16.26	576.95	0.00	1661998.09	3247294.06	39.647699	-104.621787	
	7000.00	10.61	88.39	6946.23	-595.22	16.78	595.35	0.00	1661998.79	3247312.46	39.647700	-104.621722	
	7100.00	10.61	88.39	7044.52	-613.62	17.30	613.75	0.00	1661999.49	3247330.85	39.647701	-104.621656	
	KOP, Build/Turn 8 DLS	7128.01	10.61	88.39	7072.05	-618.77	17.44	618.90	0.00	1661999.68	3247336.00	39.647702	-104.621638
		7200.00	4.85	86.15	7143.36	-628.44	17.83	628.57	8.00	1662000.17	3247345.67	39.647703	-104.621604
	7300.00	3.18	276.50	7243.27	-629.91	18.43	630.04	8.00	1662000.78	3247347.14	39.647705	-104.621595	

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	7400.00	11.16	272.00	7342.00	-617.45	19.09	617.60	8.00	1662001.31	3247334.68	39.647706	-104.621643
	7500.00	19.16	271.24	7438.85	-591.33	19.78	591.47	8.00	1662001.75	3247308.55	39.647708	-104.621736
	7600.00	27.16	270.91	7530.71	-552.03	20.50	552.18	8.00	1662002.09	3247269.26	39.647710	-104.621875
	7700.00	35.16	270.73	7616.22	-500.33	21.23	500.49	8.00	1662002.32	3247217.56	39.647712	-104.622059
	7800.00	43.16	270.61	7693.69	-437.24	21.96	437.39	8.00	1662002.45	3247154.46	39.647714	-104.622283
	7900.00	51.16	270.52	7761.63	-363.97	22.68	364.13	8.00	1662002.46	3247081.20	39.647716	-104.622543
	8000.00	59.16	270.44	7818.72	-281.97	23.36	282.13	8.00	1662002.35	3246999.20	39.647718	-104.622834
	8100.00	67.16	270.38	7863.83	-192.81	24.00	192.98	8.00	1662002.13	3246910.05	39.647720	-104.623151
	8200.00	75.16	270.33	7896.10	-98.25	24.59	98.42	8.00	1662001.81	3246815.48	39.647722	-104.623487
	8300.00	83.16	270.28	7914.90	-0.11	25.11	0.28	8.00	1662001.39	3246717.35	39.647723	-104.623835
TPZ Point, Hold to TD	8385.53	90.00	270.24	7920.00	85.21	25.50	-85.04	8.00	1662000.95	3246632.03	39.647724	-104.624138
	8400.00	90.00	270.24	7920.00	99.68	25.56	-99.51	0.00	1662000.87	3246617.56	39.647724	-104.624189
	8500.00	90.00	270.24	7920.00	199.68	25.97	-199.51	0.00	1662000.32	3246517.56	39.647725	-104.624545
	8600.00	90.00	270.24	7920.00	299.68	26.39	-299.51	0.00	1661999.77	3246417.56	39.647726	-104.624900
	8700.00	90.00	270.24	7920.00	399.68	26.80	-399.51	0.00	1661999.22	3246317.57	39.647728	-104.625255
	8800.00	90.00	270.24	7920.00	499.68	27.22	-499.51	0.00	1661998.67	3246217.57	39.647729	-104.625610
	8900.00	90.00	270.24	7920.00	599.68	27.63	-599.51	0.00	1661998.12	3246117.58	39.647730	-104.625965
	9000.00	90.00	270.24	7920.00	699.68	28.05	-699.51	0.00	1661997.57	3246017.58	39.647731	-104.626320
	9100.00	90.00	270.24	7920.00	799.68	28.46	-799.51	0.00	1661997.02	3245917.59	39.647732	-104.626675
	9200.00	90.00	270.24	7920.00	899.68	28.88	-899.51	0.00	1661996.47	3245817.58	39.647733	-104.627030
	9300.00	90.00	270.24	7920.00	999.68	29.30	-999.51	0.00	1661995.92	3245717.59	39.647734	-104.627385
	9400.00	90.00	270.24	7920.00	1099.68	29.71	-1099.51	0.00	1661995.38	3245617.60	39.647735	-104.627741
	9500.00	90.00	270.24	7920.00	1199.68	30.13	-1199.50	0.00	1661994.83	3245517.60	39.647737	-104.628096
	9600.00	90.00	270.24	7920.00	1299.68	30.54	-1299.50	0.00	1661994.28	3245417.60	39.647738	-104.628451
	9700.00	90.00	270.24	7920.00	1399.68	30.96	-1399.50	0.00	1661993.73	3245317.60	39.647739	-104.628806
	9800.00	90.00	270.24	7920.00	1499.68	31.37	-1499.50	0.00	1661993.18	3245217.61	39.647740	-104.629161
	9900.00	90.00	270.24	7920.00	1599.68	31.79	-1599.50	0.00	1661992.63	3245117.61	39.647741	-104.629516
	10000.00	90.00	270.24	7920.00	1699.68	32.20	-1699.50	0.00	1661992.08	3245017.61	39.647742	-104.629871
	10100.00	90.00	270.24	7920.00	1799.68	32.62	-1799.50	0.00	1661991.53	3244917.62	39.647743	-104.630226
	10200.00	90.00	270.24	7920.00	1899.68	33.03	-1899.50	0.00	1661990.98	3244817.63	39.647744	-104.630581
	10300.00	90.00	270.24	7920.00	1999.68	33.45	-1999.50	0.00	1661990.43	3244717.63	39.647746	-104.630937
	10400.00	90.00	270.24	7920.00	2099.68	33.86	-2099.50	0.00	1661989.88	3244617.63	39.647747	-104.631292
	10500.00	90.00	270.24	7920.00	2199.68	34.28	-2199.50	0.00	1661989.33	3244517.63	39.647748	-104.631647
	10600.00	90.00	270.24	7920.00	2299.68	34.69	-2299.49	0.00	1661988.78	3244417.64	39.647749	-104.632002
	10700.00	90.00	270.24	7920.00	2399.68	35.11	-2399.49	0.00	1661988.24	3244317.64	39.647750	-104.632357
	10800.00	90.00	270.24	7920.00	2499.68	35.52	-2499.49	0.00	1661987.69	3244217.64	39.647751	-104.632712
	10900.00	90.00	270.24	7920.00	2599.68	35.94	-2599.49	0.00	1661987.14	3244117.65	39.647752	-104.633067
	11000.00	90.00	270.24	7920.00	2699.67	36.35	-2699.49	0.00	1661986.59	3244017.65	39.647753	-104.633422
	11100.00	90.00	270.24	7920.00	2799.67	36.77	-2799.49	0.00	1661986.04	3243917.65	39.647755	-104.633777
	11200.00	90.00	270.24	7920.00	2899.67	37.18	-2899.49	0.00	1661985.49	3243817.66	39.647756	-104.634133
	11300.00	90.00	270.24	7920.00	2999.67	37.60	-2999.49	0.00	1661984.94	3243717.66	39.647757	-104.634488
	11400.00	90.00	270.24	7920.00	3099.67	38.01	-3099.49	0.00	1661984.39	3243617.67	39.647758	-104.634843
	11500.00	90.00	270.24	7920.00	3199.67	38.43	-3199.49	0.00	1661983.84	3243517.67	39.647759	-104.635198
	11600.00	90.00	270.24	7920.00	3299.67	38.84	-3299.49	0.00	1661983.29	3243417.67	39.647760	-104.635553
	11700.00	90.00	270.24	7920.00	3399.67	39.26	-3399.49	0.00	1661982.74	3243317.68	39.647761	-104.635908
	11800.00	90.00	270.24	7920.00	3499.67	39.67	-3499.48	0.00	1661982.19	3243217.68	39.647762	-104.636263
	11900.00	90.00	270.24	7920.00	3599.67	40.09	-3599.48	0.00	1661981.64	3243117.68	39.647763	-104.636618
	12000.00	90.00	270.24	7920.00	3699.67	40.51	-3699.48	0.00	1661981.09	3243017.69	39.647764	-104.636973
	12100.00	90.00	270.24	7920.00	3799.67	40.92	-3799.48	0.00	1661980.55	3242917.69	39.647766	-104.637329
	12200.00	90.00	270.24	7920.00	3899.67	41.34	-3899.48	0.00	1661980.00	3242817.69	39.647767	-104.637684
	12300.00	90.00	270.24	7920.00	3999.67	41.75	-3999.48	0.00	1661979.45	3242717.70	39.647768	-104.638039
	12400.00	90.00	270.24	7920.00	4099.67	42.17	-4099.48	0.00	1661978.90	3242617.70	39.647769	-104.638394
	12500.00	90.00	270.24	7920.00	4199.67	42.58	-4199.48	0.00	1661978.35	3242517.70	39.647770	-104.638749
	12600.00	90.00	270.24	7920.00	4299.67	43.00	-4299.48	0.00	1661977.80	3242417.71	39.647771	-104.639104
	12700.00	90.00	270.24	7920.00	4399.67	43.41	-4399.48	0.00	1661977.25	3242317.71	39.647772	-104.639459
	12800.00	90.00	270.24	7920.00	4499.67	43.83	-4499.48	0.00	1661976.70	3242217.71	39.647773	-104.639814
	12900.00	90.00	270.24	7920.00	4599.67	44.24	-4599.48	0.00	1661976.15	3242117.72	39.647774	-104.640169
	13000.00	90.00	270.24	7920.00	4699.67	44.66	-4699.47	0.00	1661975.60	3242017.72	39.647775	-104.640525
	13100.00	90.00	270.24	7920.00	4799.67	45.07	-4799.47	0.00	1661975.05	3241917.73	39.647776	-104.640880
	13200.00	90.00	270.24	7920.00	4899.67	45.49	-4899.47	0.00	1661974.50	3241817.73	39.647778	-104.641235
	13300.00	90.00	270.24	7920.00	4999.67	45.90	-4999.47	0.00	1661973.95	3241717.73	39.647779	-104.641590
	13400.00	90.00	270.24	7920.00	5099.67	46.32	-5099.47	0.00	1661973.41	3241617.74	39.647780	-104.641945
	13500.00	90.00	270.24	7920.00	5199.67	46.73	-5199.47	0.00	1661972.86	3241517.74	39.647781	-104.642300
	13600.00	90.00	270.24	7920.00	5299.67	47.15	-5299.47	0.00	1661972.31	3241417.74	39.647782	-104.642655
	13700.00	90.00	270.24	7920.00	5399.67	47.56	-5399.47	0.00	1661971.76	3241317.75	39.647783	-104.643010
	13800.00	90.00	270.24	7920.00	5499.67	47.98	-5499.47	0.00	1661971.21	3241217.75	39.647784	-104.643366
	13900.00	90.00	270.24	7920.00	5599.67	48.39	-5599.47	0.00	1661970.66	3241117.75	39.647785	-104.643721
	14000.00	90.00	270.24	7920.00	5699.66	48.81	-5699.47	0.00	1661970.11	3241017.76	39.647786	-104.644076
	14100.00	90.00	270.24	7920.00	5799.66	49.22	-5799.46	0.00	1661969.56	3240917.76	39.647787	-104.644431
	14200.00	90.00	270.24	7920.00	5899.66	49.64	-5899.46	0.00	1661969.01	3240817.76	39.647788	-104.644786
	14300.00	90.00	270.24	7920.00	5999.66	50.05	-5999.46	0.00	1661968.46	3240717.77	39.647789	-104.645141
	14400.00	90.00	270.24	7920.00	6099.66	50.47	-6099.46	0.00	1661967.91	3240617.77	39.647791	-104.645496
	14500.00	90.00	270.24	7920.00	6199.66	50.88	-6199.46	0.00	1661967.36	3240517.78	39.647792	-104.645851
	14600.00	90.00	270.24	7920.00	6299.66	51.30	-6299.46	0.00	1661966.81	3240417.78	39.647793	-104.646206
	14700.00	90.00	270.24	7920.00	6399.66	51.71	-6399.46	0.00	1661966.26	3240317.78	39.647794	-104.646562
	14800.00	90.00	270.24	7920.00	6499.66	52.13	-6499.46	0.00	1661965.72	3240217.79	39.647795	-104.646917
	14900.00	90.00	270.24	7920.00	6599.66	52.55	-6599.46	0.00	1661965.17	3240117.79	39.647796	-104.647272
	15000.00	90.00	270.24	7920.00	6699.66	52.96	-6699.46	0.00	1661964.62	3240017.79	39.647797	-104.647627
	15100.00											

Comments	MD (ft)	Incl (°)	Azim True (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
State Massive 5-65 2-3 2AH BHL	18044.97	90.00	270.24	7920.00	9744.62	65.60	-9744.40	0.00	1661947.89	3236972.93	39.647829	-104.658440

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 / State Massive 5-65 2-3 2AH Plan #1
	1	28.000	2200.000	1/100.000	13.500	9.625		NAL_MWD-NON_SLB	Original Hole / State Massive 5-65 2-3 2AH Plan #1
	1	2200.000	18044.970	1/100.000	8.500	5.500		NAL_MWD_PLUS_0.5_DEG	Original Hole / State Massive 5-65 2-3 2AH Plan #1