

# Calculated by HawkEye Software

**Job Number:**  
**Company:** SG Interests  
**Lease/Well:** Federal 11-90-09 #4  
**Location:**  
**Rig Name:**  
**State/County:** Colorado/ Gunnison  
**Country:**

**Elevation GL:** 7678.40 ft  
**RKB:** 20.00 ft  
**Projection System:** US State Plane 1927 (Exact solution)  
**Projection Group:** Colorado Central 502  
**Projection Datum:** CLARKE 1866  
**Magnetic Declination:** 9.59°  
**Grid Convergence:** -1.23450 W  
**Date:** Tuesday, January 20, 2015

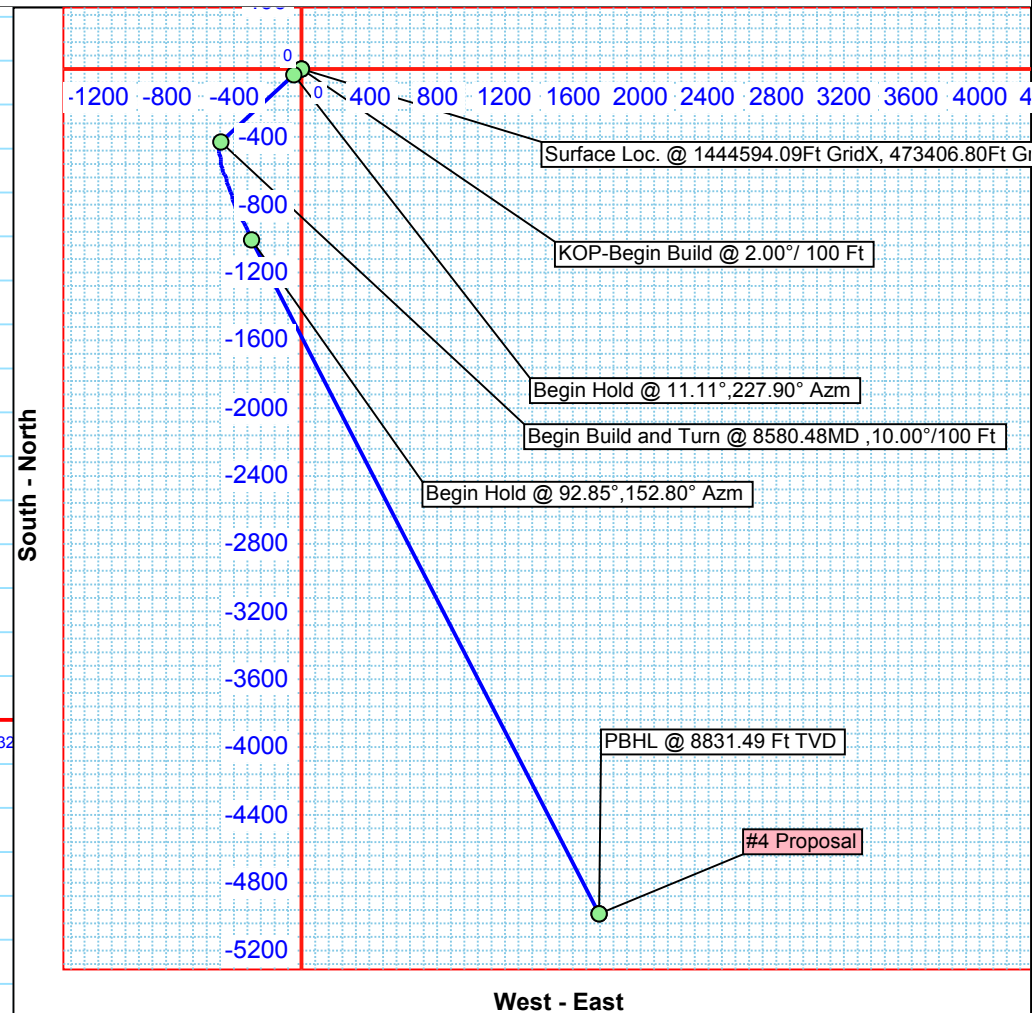
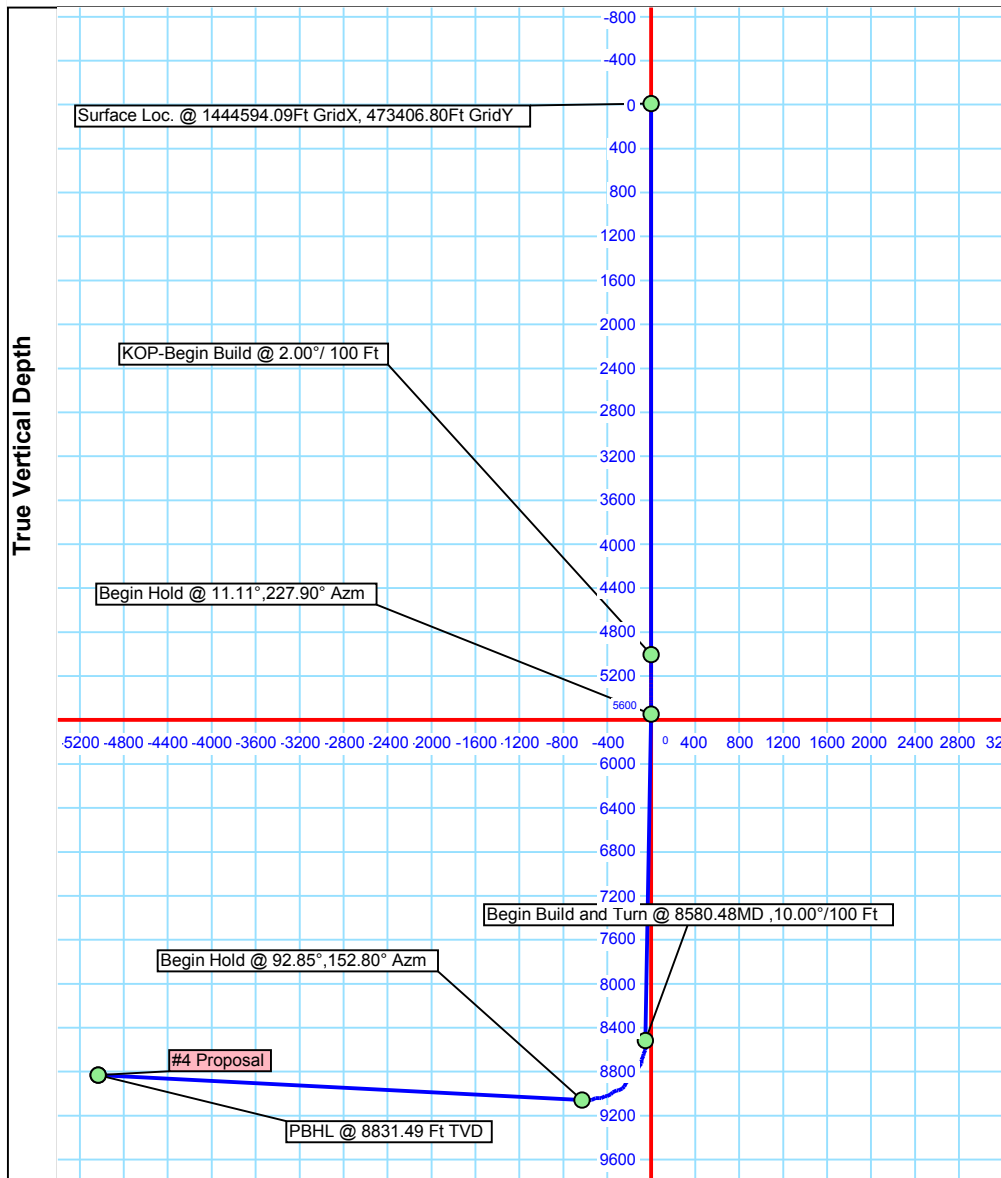
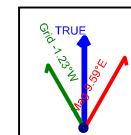
Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS °/100	Easting (US ft)	Northing (US ft)	Latitude Dec. Deg	Longitude Dec. Deg
.00	.00	.00	.00	.00	.00	.00	.00	1444594.09	473406.80	39.1167948	-107.4576804
5000.00	.00	227.90	5000.00	.00	.00	.00	.00	1444594.09	473406.80	39.1167948	-107.4576804
5030.00	.60	227.90	5030.00	-.11	-.12	-.01	2.00	1444593.97	473406.70	39.1167945	-107.4576808
5060.00	1.20	227.90	5060.00	-.42	-.47	-.05	2.00	1444593.61	473406.39	39.1167936	-107.4576820
5090.00	1.80	227.90	5089.99	-.95	-1.05	-.12	2.00	1444593.02	473405.88	39.1167922	-107.4576841
5120.00	2.40	227.90	5119.96	-1.68	-1.86	-.21	2.00	1444592.19	473405.16	39.1167902	-107.4576870
5150.00	3.00	227.90	5149.93	-2.63	-2.91	-.33	2.00	1444591.12	473404.24	39.1167876	-107.4576907
5180.00	3.60	227.90	5179.88	-3.79	-4.19	-.47	2.00	1444589.81	473403.11	39.1167844	-107.4576952
5210.00	4.20	227.90	5209.81	-5.16	-5.71	-.64	2.00	1444588.27	473401.77	39.1167806	-107.4577005
5240.00	4.80	227.90	5239.72	-6.74	-7.45	-.83	2.00	1444586.49	473400.23	39.1167763	-107.4577067
5270.00	5.40	227.90	5269.60	-8.52	-9.43	-1.05	2.00	1444584.47	473398.49	39.1167714	-107.4577136
5300.00	6.00	227.90	5299.45	-10.52	-11.64	-1.30	2.00	1444582.22	473396.54	39.1167659	-107.4577214
5330.00	6.60	227.90	5329.27	-12.73	-14.09	-1.57	2.00	1444579.73	473394.38	39.1167598	-107.4577300
5360.00	7.20	227.90	5359.05	-15.15	-16.76	-1.87	2.00	1444577.00	473392.02	39.1167532	-107.4577395
5390.00	7.80	227.90	5388.80	-17.77	-19.67	-2.19	2.00	1444574.04	473389.46	39.1167460	-107.4577497
5420.00	8.40	227.90	5418.50	-20.61	-22.80	-2.54	2.00	1444570.85	473386.70	39.1167382	-107.4577608
5450.00	9.00	227.90	5448.15	-23.65	-26.17	-2.92	2.00	1444567.42	473383.73	39.1167299	-107.4577726
5480.00	9.60	227.90	5477.76	-26.90	-29.77	-3.32	2.00	1444563.75	473380.55	39.1167209	-107.4577853
5510.00	10.20	227.90	5507.31	-30.36	-33.59	-3.75	2.00	1444559.85	473377.18	39.1167114	-107.4577988
5540.00	10.80	227.90	5536.81	-34.02	-37.65	-4.20	2.00	1444555.71	473373.60	39.1167014	-107.4578131
5555.30	11.11	227.90	5551.83	-35.97	-39.81	-4.44	2.00	1444553.52	473371.70	39.1166960	-107.4578207
8580.48	11.11	227.90	8520.35	-426.67	-472.15	-52.69	.00	1444112.85	472990.40	39.1156233	-107.4593445
8610.48	12.23	214.11	8549.74	-431.24	-476.08	-53.94	10.00	1444108.83	472985.92	39.1156107	-107.4593583
8640.48	13.92	203.10	8578.96	-437.19	-479.28	-56.73	10.00	1444105.50	472980.04	39.1155944	-107.4593696
8670.48	15.99	194.66	8607.95	-444.51	-481.74	-61.05	10.00	1444102.88	472972.77	39.1155743	-107.4593783
8700.48	18.31	188.21	8636.62	-453.18	-483.46	-66.90	10.00	1444100.98	472964.15	39.1155505	-107.4593843
8730.48	20.81	183.20	8664.89	-463.16	-484.43	-74.25	10.00	1444099.79	472954.18	39.1155231	-107.4593877
8760.48	23.41	179.25	8692.68	-474.45	-484.65	-83.08	10.00	1444099.33	472942.91	39.1154921	-107.4593885
8790.48	26.10	176.06	8719.92	-486.99	-484.12	-93.37	10.00	1444099.59	472930.36	39.1154576	-107.4593866
8820.48	28.84	173.43	8746.54	-500.77	-482.83	-105.10	10.00	1444100.58	472916.56	39.1154198	-107.4593821
8850.48	31.63	171.23	8772.45	-515.73	-480.81	-118.23	10.00	1444102.28	472901.55	39.1153787	-107.4593750
8880.48	34.45	169.35	8797.60	-531.85	-478.04	-132.72	10.00	1444104.70	472885.38	39.1153345	-107.4593652
8910.48	37.30	167.72	8821.91	-549.08	-474.54	-148.54	10.00	1444107.83	472868.08	39.1152872	-107.4593529
8940.48	40.16	166.30	8845.31	-567.36	-470.31	-165.64	10.00	1444111.66	472849.71	39.1152370	-107.4593380
8970.48	43.04	165.03	8867.74	-586.65	-465.37	-183.97	10.00	1444116.18	472830.31	39.1151840	-107.4593206
9000.48	45.93	163.89	8889.14	-606.90	-459.74	-203.48	10.00	1444121.38	472809.95	39.1151284	-107.4593007
9030.48	48.83	162.86	8909.45	-628.05	-453.42	-224.13	10.00	1444127.24	472788.67	39.1150703	-107.4592784
9060.48	51.75	161.92	8928.62	-650.05	-446.43	-245.85	10.00	1444133.75	472766.53	39.1150099	-107.4592538
9090.48	54.66	161.05	8946.58	-672.82	-438.80	-268.59	10.00	1444140.89	472743.59	39.1149474	-107.4592269
9120.48	57.59	160.24	8963.30	-696.32	-430.54	-292.27	10.00	1444148.64	472719.93	39.1148829	-107.4591978
9150.48	60.52	159.48	8978.73	-720.47	-421.68	-316.85	10.00	1444156.98	472695.59	39.1148166	-107.4591666
9180.48	63.45	158.76	8992.82	-745.21	-412.24	-342.24	10.00	1444165.89	472670.65	39.1147486	-107.4591333
9210.48	66.39	158.08	9005.54	-770.47	-402.25	-368.39	10.00	1444175.33	472645.18	39.1146793	-107.4590981
9240.48	69.32	157.43	9016.85	-796.19	-391.73	-395.21	10.00	1444185.29	472619.24	39.1146087	-107.4590610
9270.48	72.27	156.81	9026.71	-822.29	-380.72	-422.64	10.00	1444195.74	472592.91	39.1145370	-107.4590222
9300.48	75.21	156.20	9035.11	-848.70	-369.23	-450.60	10.00	1444206.65	472566.26	39.1144645	-107.4589817
9330.48	78.15	155.61	9042.02	-875.34	-357.32	-479.01	10.00	1444217.99	472539.36	39.1143913	-107.4589397
9360.48	81.10	155.04	9047.43	-902.15	-345.00	-507.79	10.00	1444229.73	472512.29	39.1143177	-107.4588963
9390.48	84.05	154.47	9051.30	-929.06	-332.31	-536.88	10.00	1444241.84	472485.12	39.1142438	-107.4588516
9420.48	86.99	153.91	9053.65	-955.98	-319.29	-566.18	10.00	1444254.28	472457.93	39.1141699	-107.4588057
9450.48	89.94	153.35	9054.45	-982.84	-305.97	-595.61	10.00	1444267.01	472430.78	39.1140962	-107.4587587
9480.06	92.85	152.80	9053.73	-1009.20	-292.58	-624.69	10.00	1444279.83	472404.14	39.1140238	-107.4587116

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS °/100	Easting (US ft)	Northing (US ft)	Latitude Dec. Deg	Longitude Dec. Deg
13954.65	92.85	152.80	8831.49	-4984.03	1750.29	-5023.77	.00	1446236.60	468386.23	39.1031098	-107.4515126



Job Number:  
Company: SG Interests  
Lease/Well: Federal 11-90-09 #4  
Location:  
Rig Name:  
State/County: Colorado/ Gunnison  
Country:  
API Number:

Elevation (To MSL): 7678.40 ft  
RKB: 20.00 ft  
Projection System: US State Plane 1927 (Exact solution)  
Projection Group: Colorado Central 502  
Projection Datum: CLARKE 1866  
Magnetic Declination: 9.59  
Grid Convergence: -1.23450 W  
Date: Wednesday, January 21, 2015



Vertical Section (400 Ft/Div) VSP: 322.65°