

Calculated by HawkEye Software

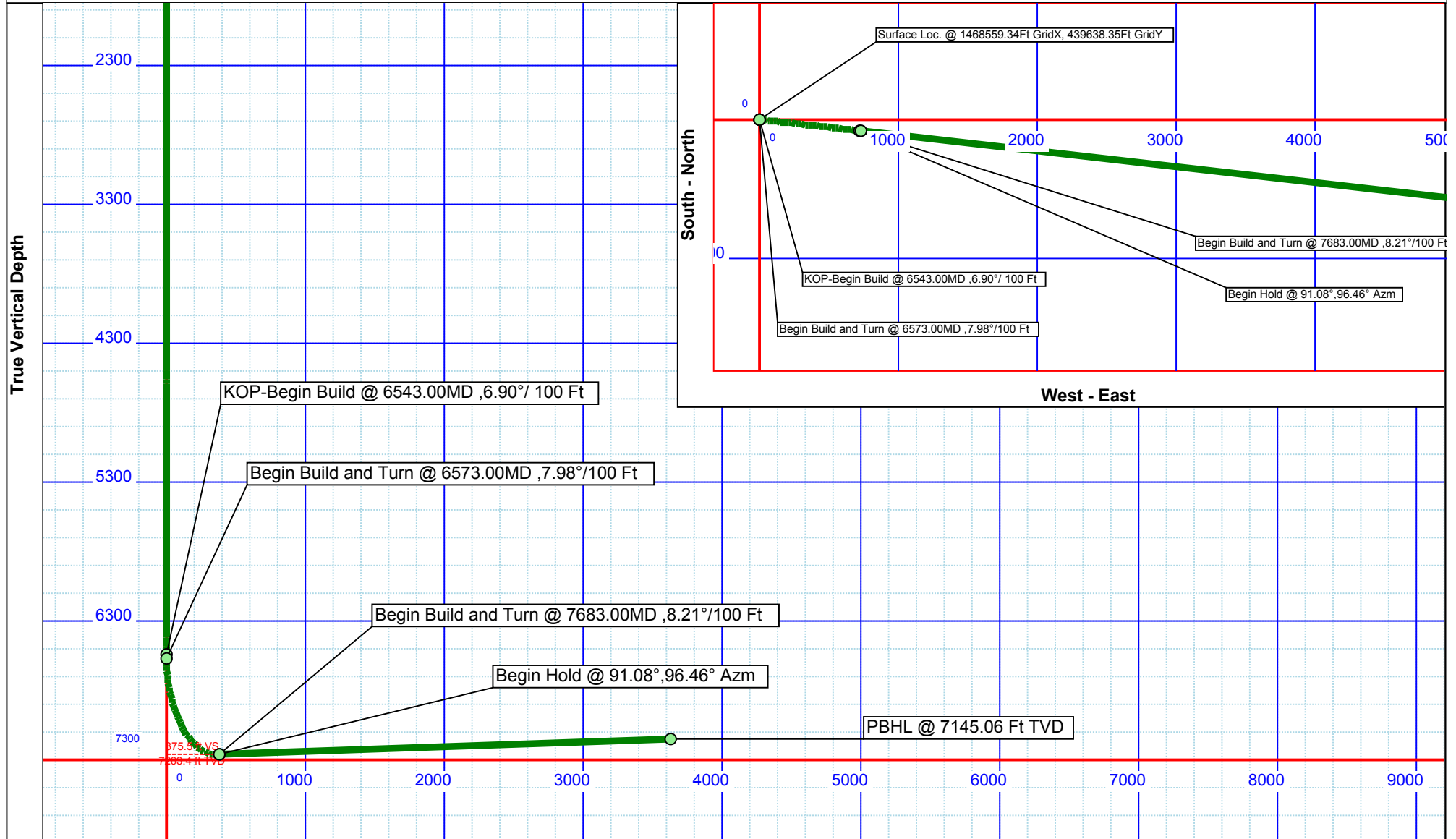
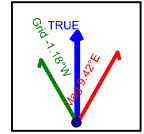
Job Number:	Elevation GL: 7373.00 ft
Company: SG Interests	RKB: 20.00 ft
Lease/Well: Federal 12-89-7 #4 	Projection System: US State Plane 1927 (Exact solution)
Location:	Projection Group: Colorado Central 502
Rig Name:	Projection Datum: CLARKE 1866
State/County: Colorado/ Gunnison	Magnetic Declination: 9.42°
Country:	Grid Convergence: -1.17997 W
	Date: Friday, September 11, 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	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
4500.00	.00	.00	4500.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
4530.00	.00	.00	4530.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
4560.00	.00	.00	4560.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
4590.00	.00	.00	4590.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
4620.00	.00	.00	4620.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
4624.24	.00	.00	4624.24	22.50	38.97	-5.65	.01	1468559.34	439638.35	39.0254816	-107.3707820
6423.00	.00	.00	6423.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
6453.00	.00	.00	6453.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
6483.00	.00	.00	6483.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
6513.00	.00	.00	6513.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
6543.00	.00	.00	6543.00	22.50	38.97	-5.65	.00	1468559.34	439638.35	39.0254816	-107.3707820
6573.00	2.07	92.14	6572.99	22.48	39.51	-5.42	6.90	1468559.88	439638.32	39.0254816	-107.3707801
6603.00	4.46	94.46	6602.94	22.37	41.22	-4.66	7.98	1468561.58	439638.17	39.0254812	-107.3707741
6633.00	6.86	95.16	6632.79	22.12	44.16	-3.28	8.00	1468564.52	439637.86	39.0254806	-107.3707637
6663.00	9.26	95.50	6662.50	21.72	48.35	-1.30	8.00	1468568.70	439637.38	39.0254795	-107.3707490
6693.00	11.66	95.70	6691.99	21.19	53.77	1.29	8.00	1468574.11	439636.74	39.0254780	-107.3707299
6723.00	14.06	95.84	6721.24	20.52	60.42	4.48	8.00	1468580.74	439635.93	39.0254762	-107.3707065
6753.00	16.46	95.93	6750.18	19.71	68.27	8.27	8.00	1468588.57	439634.96	39.0254739	-107.3706789
6783.00	18.86	96.00	6778.76	18.76	77.32	12.65	8.00	1468597.60	439633.82	39.0254713	-107.3706470
6813.00	21.26	96.06	6806.94	17.68	87.55	17.61	8.00	1468607.81	439632.53	39.0254684	-107.3706110
6843.00	23.66	96.10	6834.66	16.47	98.95	23.15	8.00	1468619.18	439631.08	39.0254650	-107.3705709
6873.00	26.06	96.14	6861.88	15.12	111.49	29.24	8.00	1468631.69	439629.48	39.0254614	-107.3705268
6903.00	28.46	96.17	6888.55	13.65	125.15	35.89	8.00	1468645.32	439627.73	39.0254573	-107.3704787
6933.00	30.86	96.20	6914.62	12.05	139.91	43.08	8.00	1468660.04	439625.82	39.0254529	-107.3704267
6963.00	33.26	96.22	6940.04	10.33	155.74	50.80	8.00	1468675.83	439623.78	39.0254482	-107.3703710
6993.00	35.66	96.24	6964.77	8.49	172.61	59.04	8.00	1468692.66	439621.59	39.0254431	-107.3703116
7023.00	38.06	96.26	6988.77	6.53	190.50	67.77	8.00	1468710.50	439619.26	39.0254377	-107.3702486
7053.00	40.46	96.28	7012.00	4.45	209.37	76.99	8.00	1468729.33	439616.80	39.0254321	-107.3701822
7083.00	42.86	96.29	7034.41	2.27	229.19	86.68	8.00	1468749.10	439614.21	39.0254261	-107.3701125
7113.00	45.26	96.30	7055.97	-.02	249.92	96.82	8.00	1468769.78	439611.49	39.0254198	-107.3700395
7143.00	47.66	96.32	7076.63	-2.41	271.54	107.40	8.00	1468791.34	439608.66	39.0254132	-107.3699634
7173.00	50.06	96.33	7096.37	-4.90	293.99	118.39	8.00	1468813.74	439605.71	39.0254064	-107.3698844
7203.00	52.46	96.34	7115.14	-7.48	317.24	129.78	8.00	1468836.94	439602.65	39.0253993	-107.3698025
7233.00	54.86	96.35	7132.92	-10.15	341.26	141.54	8.00	1468860.89	439599.48	39.0253920	-107.3697180
7263.00	57.26	96.36	7149.67	-12.90	365.99	153.66	8.00	1468885.56	439596.22	39.0253844	-107.3696309
7293.00	59.66	96.37	7165.36	-15.74	391.40	166.12	8.00	1468910.91	439592.86	39.0253766	-107.3695415
7323.00	62.06	96.38	7179.97	-18.65	417.44	178.89	8.00	1468936.88	439589.42	39.0253686	-107.3694498
7353.00	64.46	96.38	7193.46	-21.62	444.07	191.95	8.00	1468963.44	439585.89	39.0253604	-107.3693561
7383.00	66.86	96.39	7205.83	-24.66	471.23	205.27	8.00	1468990.53	439582.30	39.0253521	-107.3692605
7413.00	69.26	96.40	7217.03	-27.76	498.88	218.84	8.00	1469018.12	439578.63	39.0253436	-107.3691632
7443.00	71.66	96.41	7227.07	-30.92	526.97	232.63	8.00	1469046.14	439574.90	39.0253349	-107.3690643
7473.00	74.06	96.41	7235.91	-34.12	555.46	246.61	8.00	1469074.55	439571.11	39.0253261	-107.3689640
7503.00	76.46	96.42	7243.54	-37.36	584.29	260.77	8.00	1469103.31	439567.28	39.0253172	-107.3688625
7533.00	78.86	96.43	7249.95	-40.64	613.41	275.07	8.00	1469132.36	439563.40	39.0253082	-107.3687600
7563.00	81.26	96.44	7255.13	-43.95	642.77	289.50	8.00	1469161.64	439559.48	39.0252991	-107.3686567
7593.00	83.66	96.44	7259.07	-47.28	672.32	304.02	8.00	1469191.12	439555.54	39.0252900	-107.3685526
7623.00	86.06	96.45	7261.75	-50.64	702.01	318.61	8.00	1469220.73	439551.57	39.0252808	-107.3684481
7653.00	88.46	96.45	7263.19	-54.00	731.78	333.25	8.00	1469250.43	439547.60	39.0252715	-107.3683433
7683.00	90.86	96.46	7263.37	-57.38	761.59	347.90	8.00	1469280.16	439543.61	39.0252623	-107.3682384
7685.68	91.08	96.46	7263.32	-57.68	764.25	349.21	8.21	1469282.82	439543.25	39.0252614	-107.3682291
13960.02	91.08	96.46	7145.06	-763.47	6997.65	3414.44	.00	1475500.35	438709.24	39.0233209	-107.3462885



Job Number: BLM Unit
Company: SG Interests
Lease/Well: Federal 12-89-7 #4
Location:
Rig Name:
State/Country: Colorado/ Gunnison
Country: USA
API Number:

Elevation (To MSL): 7373.00 ft
RKB: 20.00 ft
Projection System: US State Plane 1927 (Exact solution)
Projection Group: Colorado Central 502
Projection Datum: CLARKE 1866
Magnetic Declination: 9.42
Grid Convergence: -1.17988 W
Date: Wednesday, October 07, 2015



Vertical Section (1000 Ft/Div) VSP: 155.21°