

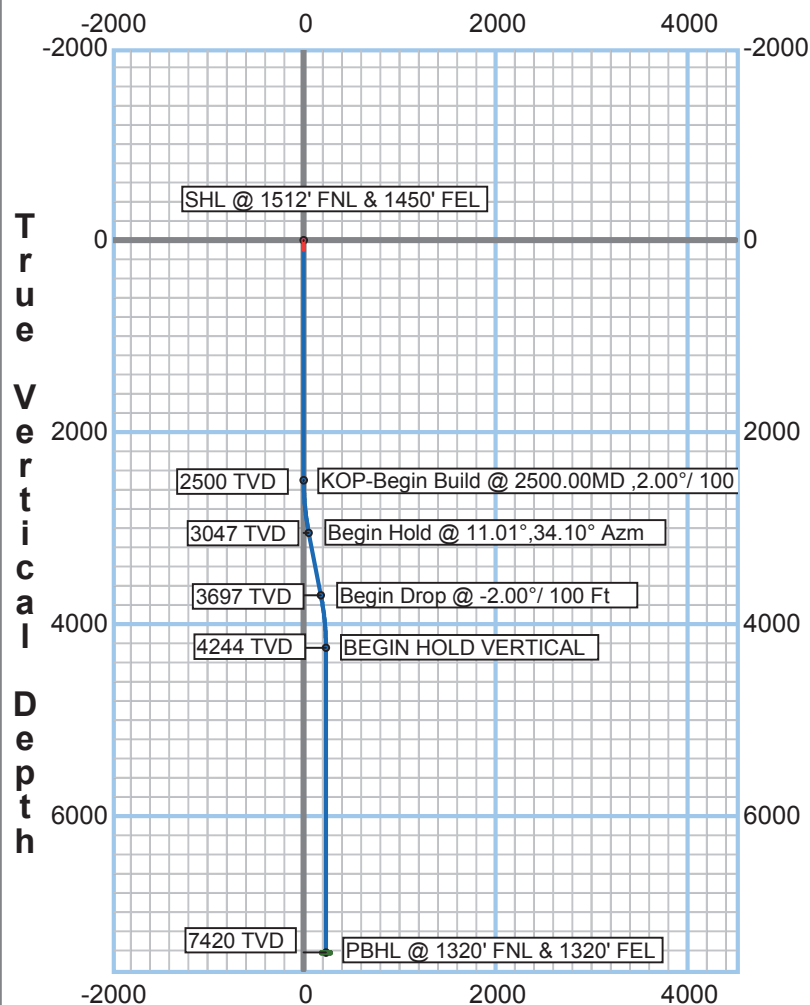


Job ID : GW CAMPBELL 17-41D
 Company : GREAT WESTERN
 Lease/Well : CAMPBELL 17-41D / JF 17-7D #2/7
 Location : SEC.17-T2N-R65W
 API JOB # : TBA
 State/Province : COLORADO
 County/Parish : WELD
 Comment : PLAN #1 (WELL #2 OF 7)

Latitude : 40°8'30.5088" N
 Longitude : -104°41'0.9053" W
 Northing : 1295554.89
 Easting : 3228240.1
 System Zone : US State Plane 1983
 Projection Type : LAMBERT
 Elevation (To MSL) : 4916 ft
 RKB : 14 ft

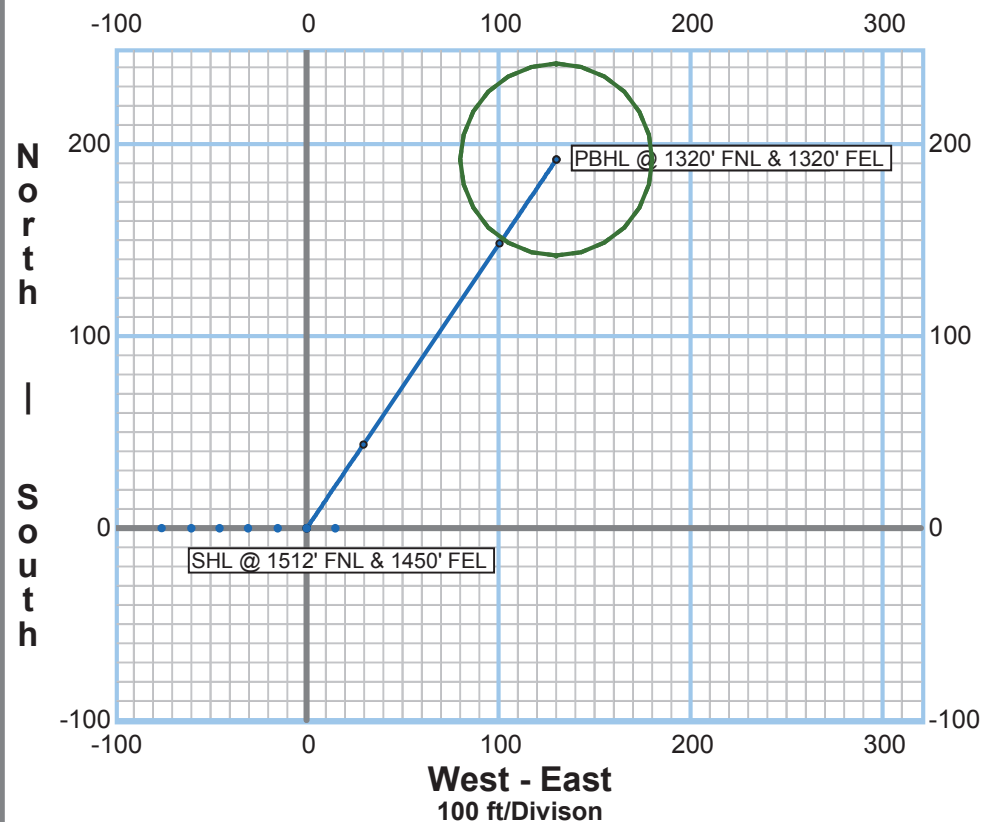


Vertical Section Plot



Vertical Section (34.10°)
2000 ft/Division

Horizontal Plot



CRITICAL POINTS - GW CAMPBELL JF 17-7D PROPOSAL

MD	Inc	Azm	TVD	EW	NS	VS	CI	Cldir	WR	BR	DLS
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
3050.41	11.01	34.10	3047.03	29.55	43.65	52.72	52.72	34.10	0.00	2.02	2.02
3712.59	11.01	34.10	3697.02	100.45	148.37	179.18	179.18	34.10	0.00	0.00	0.00
4263.12	0.00	0.00	4244.17	130.02	192.03	231.91	231.91	34.10	-324.16	-1.99	1.99
7438.95	0.00	0.00	7420.00	130.02	192.06	231.93	231.93	34.10	0.00	0.00	0.00

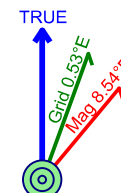


Job Number: GW CAMPBELL 17-41D
Company: GREAT WESTERN
Lease/Well: CAMPBELL 17-41D / JF 17-7D #2/7
Location: SEC.17-T2N-R65W
Rig Name: CADE 25
State/County: COLORADO/ WELD
Country: USA
API Number: TBA

Elevation (To MSL): 4916.00 ft
RKB: 14.00 ft
Projection System: US State Plane 1983
Projection Group: Colorado Northern Zone
Projection Datum: GRS80
Magnetic Declination: 8.54
Grid Convergence: 0.52750 E
Date: Tuesday, December 18, 2012

Calculated by HawkEye Software
Minimum Curvature Method
Vertical Section Plane 34.10°

Northing (US ft): 1295554.89 Easting (US ft): 3228240.10
Latitude: 40°08'30.5088" N Longitude: -104°41'0.9053" W
Well Location: 1474.34 FNL, 1457.52 FEL, Section 17, T2N, R65W, Meridian 06, Weld County, CO
Direction Reference: True North



Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS %/100Ft	Build Rate %/100Ft	Walk Rate %/100Ft	Latitude Dec. Deg	Longitude Dec. Deg
Surface Loc. @ 3228240.10Ft GridX, 1295554.89Ft GridY											
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.1418080	-104.6835848
KOP-Begin Build @ 2500.00MD ,2.00%/ 100 Ft											
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	40.1418080	-104.6835848
Begin Build @ 0.00%/ 100 Ft											
3040.00	10.80	34.10	3036.81	42.02	28.45	50.75	2.00	2.00	0.00	40.1419233	-104.6834831
Begin Hold @ 11.01°,34.10° Azm											
3050.41	11.01	34.10	3047.03	43.65	29.55	52.72	2.02	2.02	0.00	40.1419278	-104.6834791
Begin Drop @ -2.00%/ 100 Ft											
3712.59	11.01	34.10	3697.02	148.37	100.45	179.18	0.00	0.00	0.00	40.1422153	-104.6832255
Begin Hold @ 0.00°,201.34° Azm											
4263.12	0.00	201.34	4244.17	192.03	130.02	231.91	2.00	-1.99	1587.65	40.1423352	-104.6831198
PBHL @ 7420.08 Ft TVD ● GW CAMPBELL JF 17-7D TARGET											
7438.95	0.00	201.34	7420.00	192.00	130.00	231.87	0.00	0.00	0.00	40.1423351	-104.6831198

TARGET DATA

Name	Shape	Easting (Ft)	Northing (Ft)	Subsea TVD (Ft)	NS (Ft)	EW (Ft)	Side A (Ft)	Side B (Ft)	Diameter (Ft)
GW CAMPBELL JF 17-7D TARGET	CIRCLE	3228368.33	1295748.08	2490.00	192.00	130.00	100.00	200.00	100.00

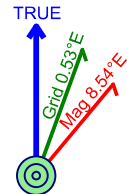


Job Number: GW CAMPBELL 17-41D
Company: GREAT WESTERN
Lease/Well: CAMPBELL 17-41D / JF 17-7D #2/7
Location: SEC.17-T2N-R65W
Rig Name: CADE 25
State/County: COLORADO/ WELD
Country: USA
API Number: TBA

Elevation (To MSL): 4916.00 ft
RKB: 14.00 ft
Projection System: US State Plane 1983
Projection Group: Colorado Northern Zone
Projection Datum: GRS80
Magnetic Declination: 8.54
Grid Convergence: 0.52750 E
Date: Tuesday, December 18, 2012

Calculated by HawkEye Software
Minimum Curvature Method
Vertical Section Plane 34.10°

Northing (US ft): 1295554.89 Easting (US ft): 3228240.10
Latitude: 40°08'30.5088" N Longitude: -104°41'0.9053" W
Well Location: 1474.34 FNL, 1457.52 FEL, Section 17, T2N, R65W, Meridian 06, Weld County, CO
Direction Reference: True North



Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS °/100Ft	Build Rate °/100Ft	Walk Rate °/100Ft	Latitude Dec. Deg	Longitude Dec. Deg
Surface Loc. @ 3228240.10Ft GridX, 1295554.89Ft GridY											
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.1418080	-104.6835848
KOP-Begin Build @ 2500.00MD ,2.00°/ 100 Ft											
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	40.1418080	-104.6835848
2520.00	0.40	34.09	2520.00	0.06	0.04	0.07	2.00	2.00	170.46	40.1418082	-104.6835847
2540.00	0.80	34.10	2540.00	0.23	0.16	0.28	2.00	2.00	0.02	40.1418086	-104.6835843
2560.00	1.20	34.10	2560.00	0.52	0.35	0.63	2.00	2.00	0.01	40.1418094	-104.6835836
2580.00	1.60	34.10	2579.99	0.93	0.63	1.12	2.00	2.00	0.00	40.1418105	-104.6835826
2600.00	2.00	34.10	2599.98	1.45	0.98	1.75	2.00	2.00	0.00	40.1418120	-104.6835813
2620.00	2.40	34.10	2619.96	2.08	1.41	2.51	2.00	2.00	0.00	40.1418137	-104.6835798
2640.00	2.80	34.10	2639.94	2.83	1.92	3.42	2.00	2.00	0.00	40.1418158	-104.6835780
2660.00	3.20	34.10	2659.92	3.70	2.50	4.47	2.00	2.00	0.00	40.1418182	-104.6835759
2680.00	3.60	34.10	2679.88	4.68	3.17	5.66	2.00	2.00	0.00	40.1418209	-104.6835735
2700.00	4.00	34.10	2699.84	5.78	3.91	6.98	2.00	2.00	0.00	40.1418239	-104.6835708
2720.00	4.40	34.10	2719.78	6.99	4.73	8.45	2.00	2.00	0.00	40.1418272	-104.6835679
2740.00	4.80	34.10	2739.72	8.32	5.63	10.05	2.00	2.00	0.00	40.1418308	-104.6835647
2760.00	5.20	34.10	2759.64	9.77	6.61	11.79	2.00	2.00	0.00	40.1418348	-104.6835612
2780.00	5.60	34.10	2779.55	11.32	7.67	13.67	2.00	2.00	0.00	40.1418391	-104.6835574
2800.00	6.00	34.10	2799.45	13.00	8.80	15.70	2.00	2.00	0.00	40.1418437	-104.6835533
2820.00	6.40	34.10	2819.33	14.79	10.01	17.86	2.00	2.00	0.00	40.1418486	-104.6835490
2840.00	6.80	34.10	2839.20	16.69	11.30	20.15	2.00	2.00	0.00	40.1418538	-104.6835444
2860.00	7.20	34.10	2859.05	18.71	12.66	22.59	2.00	2.00	0.00	40.1418594	-104.6835395
2880.00	7.60	34.10	2878.89	20.84	14.11	25.17	2.00	2.00	0.00	40.1418652	-104.6835344
2900.00	8.00	34.10	2898.70	23.09	15.63	27.88	2.00	2.00	0.00	40.1418714	-104.6835289
2920.00	8.40	34.10	2918.50	25.45	17.23	30.74	2.00	2.00	0.00	40.1418779	-104.6835232
2940.00	8.80	34.10	2938.27	27.93	18.91	33.73	2.00	2.00	0.00	40.1418847	-104.6835172
2960.00	9.20	34.10	2958.03	30.52	20.66	36.85	2.00	2.00	0.00	40.1418918	-104.6835109

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS °/100Ft	Build Rate °/100Ft	Walk Rate °/100Ft	Latitude Dec. Deg	Longitude Dec. Deg
2980.00	9.60	34.10	2977.76	33.22	22.49	40.12	2.00	2.00	0.00	40.1418992	-104.6835044
3000.00	10.00	34.10	2997.47	36.04	24.40	43.53	2.00	2.00	0.00	40.1419069	-104.6834975
3020.00	10.40	34.10	3017.15	38.98	26.39	47.07	2.00	2.00	0.00	40.1419150	-104.6834904
Begin Build @ 0.00°/ 100 Ft											
3040.00	10.80	34.10	3036.81	42.02	28.45	50.75	2.00	2.00	0.00	40.1419233	-104.6834831
Begin Hold @ 11.01°,34.10° Azm											
3050.41	11.01	34.10	3047.03	43.65	29.55	52.72	2.02	2.02	0.00	40.1419278	-104.6834791
Begin Drop @ -2.00°/ 100 Ft											
3712.59	11.01	34.10	3697.02	148.37	100.45	179.18	0.00	0.00	0.00	40.1422153	-104.6832255
3732.59	10.61	34.10	3716.67	151.48	102.56	182.93	2.00	-2.00	0.00	40.1422238	-104.6832180
3752.59	10.21	34.10	3736.34	154.47	104.58	186.54	2.00	-2.00	0.00	40.1422320	-104.6832107
3772.59	9.81	34.10	3756.03	157.35	106.53	190.02	2.00	-2.00	0.00	40.1422399	-104.6832038
3792.59	9.41	34.10	3775.75	160.11	108.40	193.36	2.00	-2.00	0.00	40.1422475	-104.6831971
3812.59	9.01	34.10	3795.49	162.76	110.20	196.56	2.00	-2.00	0.00	40.1422548	-104.6831906
3832.59	8.61	34.10	3815.26	165.30	111.92	199.62	2.00	-2.00	0.00	40.1422618	-104.6831845
3852.59	8.21	34.10	3835.04	167.72	113.56	202.55	2.00	-2.00	0.00	40.1422684	-104.6831786
3872.59	7.81	34.10	3854.85	170.03	115.12	205.33	2.00	-2.00	0.00	40.1422748	-104.6831730
3892.59	7.41	34.10	3874.67	172.22	116.60	207.98	2.00	-2.00	0.00	40.1422808	-104.6831677
3912.59	7.01	34.10	3894.51	174.30	118.01	210.49	2.00	-2.00	0.00	40.1422865	-104.6831627
3932.59	6.61	34.10	3914.37	176.27	119.34	212.87	2.00	-2.00	0.00	40.1422919	-104.6831579
3952.59	6.21	34.10	3934.25	178.11	120.59	215.10	2.00	-2.00	0.00	40.1422969	-104.6831535
3972.59	5.81	34.10	3954.14	179.85	121.77	217.19	2.00	-2.00	0.00	40.1423017	-104.6831493
3992.59	5.41	34.10	3974.04	181.47	122.86	219.15	2.00	-2.00	0.00	40.1423061	-104.6831453
4012.59	5.01	34.10	3993.96	182.97	123.88	220.96	2.00	-2.00	0.00	40.1423103	-104.6831417
4032.59	4.61	34.10	4013.89	184.36	124.82	222.64	2.00	-2.00	0.00	40.1423141	-104.6831383
4052.59	4.21	34.10	4033.83	185.63	125.68	224.18	2.00	-2.00	0.00	40.1423176	-104.6831353
4072.59	3.81	34.10	4053.78	186.79	126.47	225.58	2.00	-2.00	0.00	40.1423208	-104.6831325
4092.59	3.41	34.10	4073.74	187.83	127.17	226.84	2.00	-2.00	0.00	40.1423236	-104.6831299
4112.59	3.01	34.10	4093.71	188.76	127.80	227.96	2.00	-2.00	0.00	40.1423262	-104.6831277
4132.59	2.61	34.10	4113.69	189.57	128.35	228.94	2.00	-2.00	0.00	40.1423284	-104.6831257
4152.59	2.21	34.10	4133.67	190.27	128.82	229.78	2.00	-2.00	0.00	40.1423303	-104.6831240
4172.59	1.81	34.10	4153.66	190.85	129.21	230.48	2.00	-2.00	0.00	40.1423319	-104.6831226
4192.59	1.41	34.11	4173.65	191.32	129.53	231.04	2.00	-2.00	0.01	40.1423332	-104.6831215
4212.59	1.01	34.11	4193.64	191.67	129.77	231.46	2.00	-2.00	0.01	40.1423341	-104.6831207
4232.59	0.61	34.11	4213.64	191.90	129.93	231.75	2.00	-2.00	0.03	40.1423348	-104.6831201
4252.59	0.21	34.14	4233.64	192.02	130.01	231.89	2.00	-2.00	0.13	40.1423351	-104.6831198
Begin Hold @ 0.00°,201.34° Azm											
4263.12	0.00	201.34	4244.17	192.03	130.02	231.91	2.00	-1.99	1587.65	40.1423352	-104.6831198
PBHL @ 7420.08 Ft TVD ● GW CAMPBELL JF 17-7D TARGET											
7438.95	0.00	201.34	7420.00	192.00	130.00	231.87	0.00	0.00	0.00	40.1423351	-104.6831198

TARGET DATA									
Name	Shape	Easting (Ft)	Northing (Ft)	Subsea TVD (Ft)	NS (Ft)	EW (Ft)	Side A (Ft)	Side B (Ft)	Diameter (Ft)
GW CAMPBELL JF 17-7D TARGET	CIRCLE	3228368.33	1295748.08	2490.00	192.00	130.00	100.00	200.00	100.00



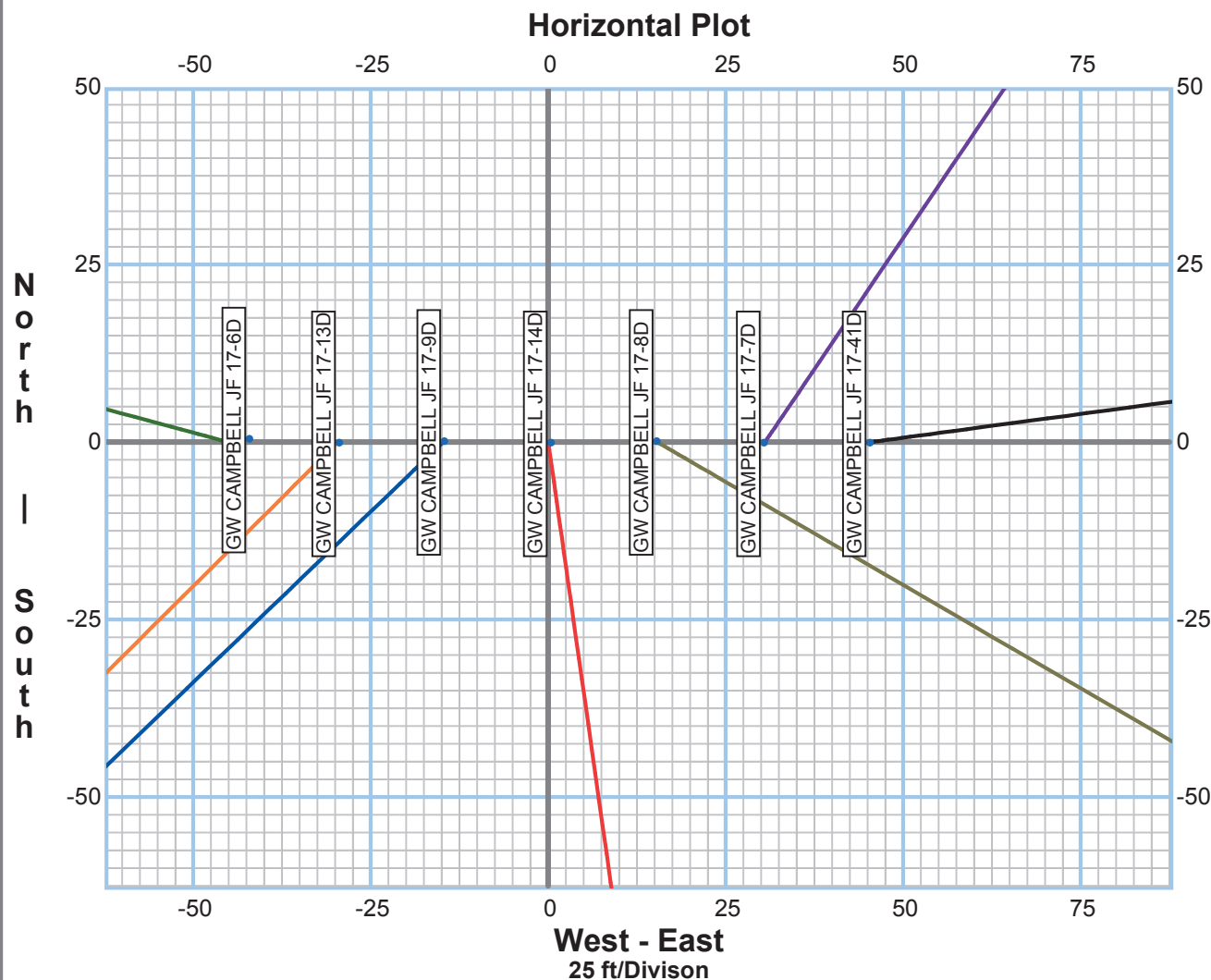
Job ID : GW CAMPBELL 17-41D
Company : GREAT WESTERN
Lease/Well : CAMPBELL 17-41D_PAD
Location : SEC.17-T2N-R65W
API JOB # : TBA
State/Province : COLORADO
County/Parish : WELD
Comment : PLAN #1_SPIDER_ZOOM

Latitude : 40°8'30.5088" N
Longitude : -104°41'1.2984" W
Northing : 1295554.61
Easting : 3228209.58
System Zone : US State Plane 1983
Projection Type : LAMBERT
Elevation (To MSL) : 4916 ft
RKB : 14 ft



CURVES LEGEND :

- GW CAMPBELL 17-8D Proposal
- GW CAMPBELL JF 17-14D Proposal
- GW CAMPBELL 17-9D Proposal
- GW CAMPBELL JF 17-13D Proposal
- GW CAMPBELL JF 17-6D Proposal
- GW CAMPBELL JF 17-7D Proposal
- GW CAMPBELL JF 17-41D Proposal





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Company : GREAT WESTERN
Lease/Well : CAMPBELL 17-41D_PAD
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State/Province : COLORADO
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