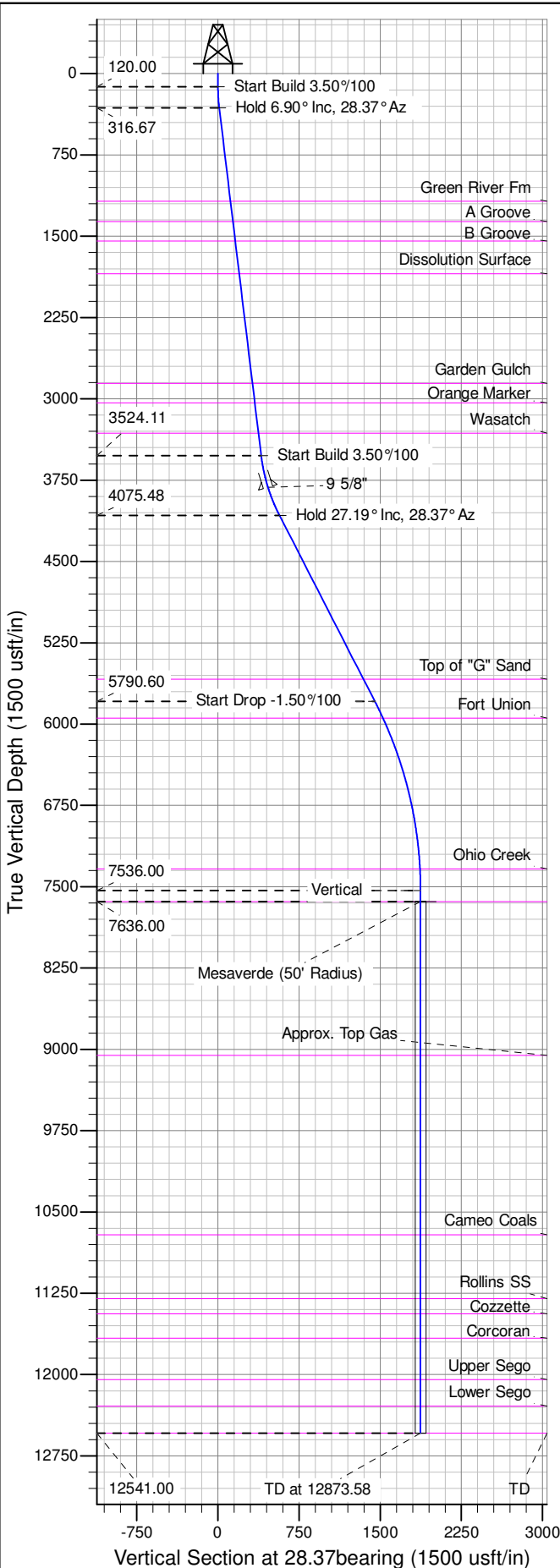




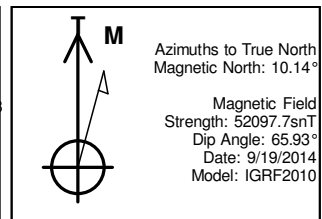
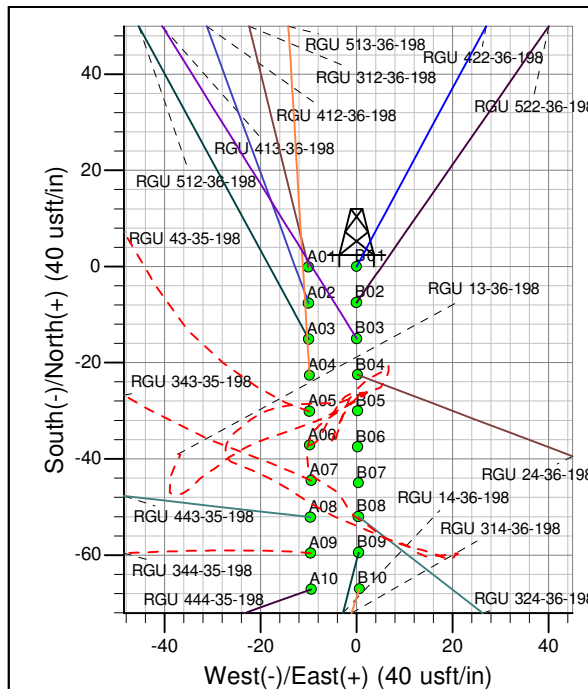
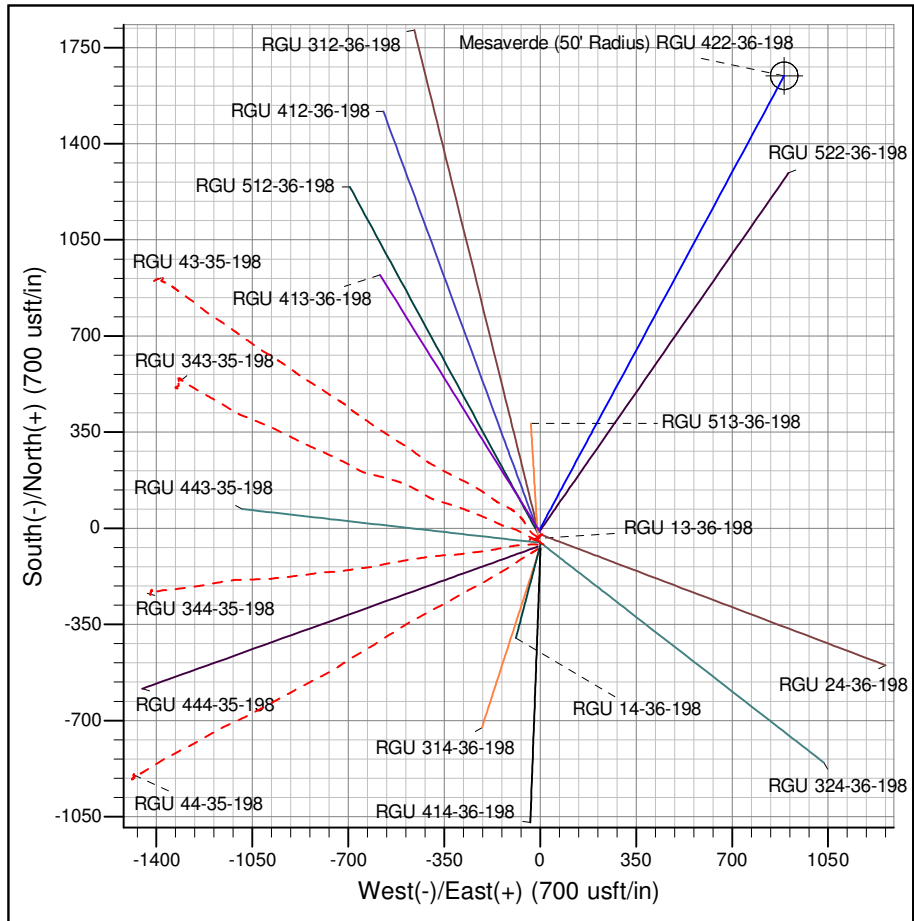
Well Name: RGU 422-36-198
Surface Location: RGU 13-36-198 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6680.00

+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1771363.70 2201057.70 39.916819 -108.348613 B01

KELLY BUSHING @ 6706.00usft (Cyclone 29 (26' RKB) mab)



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	V Sct	Departure	Annotation	
120.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build	3.50°/100
316.67	317.14	6.90	28.37	10.43	5.63	11.86	11.86	Hold 6.90° Inc,	28.37° Az
3524.11	3547.99	6.90	28.37	351.96	190.07	400.00	400.00	Start Build	3.50°/100
4075.48	4127.71	27.19	28.37	500.70	270.39	569.04	569.04	Hold 27.19° Inc,	28.37° Az
5790.60	6055.91	27.19	28.37	1275.94	689.08	1450.12	1450.12	Start Drop	-1.50°/100
7536.00	7868.58	0.00	0.00	1647.34	889.66	1872.22	1872.22	Vertical	
7636.00	7968.58	0.00	0.00	1647.34	889.66	1872.22	1872.22	Mesaverde	
12541.00	12873.58	0.00	0.00	1647.34	889.66	1872.22	1872.22	TD at	12873.58



Azimuths to True North
Magnetic North: 10.14°

Magnetic Field
Strength: 52097.7snT
Dip Angle: 65.93°
Date: 9/19/2014
Model: IGRF2010

Project: RG 36-01S-098W
Site: RGU 13-36-198 Pad
Well: RGU 422-36-198
Design #1 19Sep14 mab