



+N/-S
0.0

+E/-W
0.0

Northing
1603468.00

Well Name: PA 413-4
Surface Location: GV 80-4 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5586.0

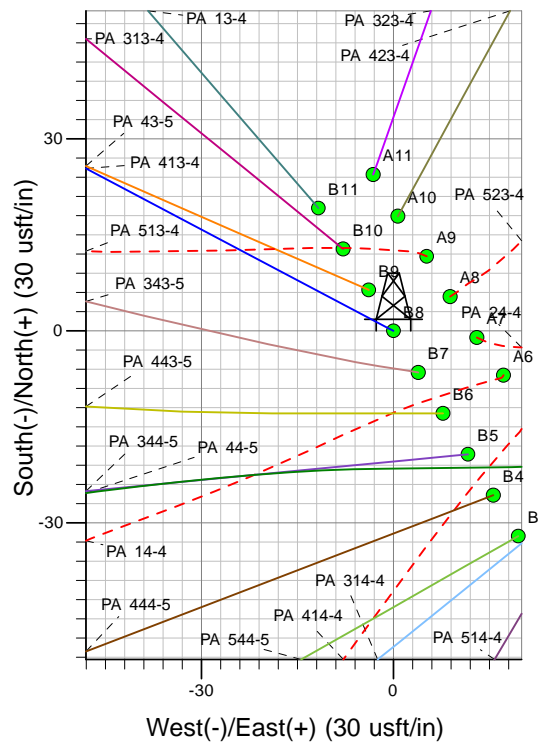
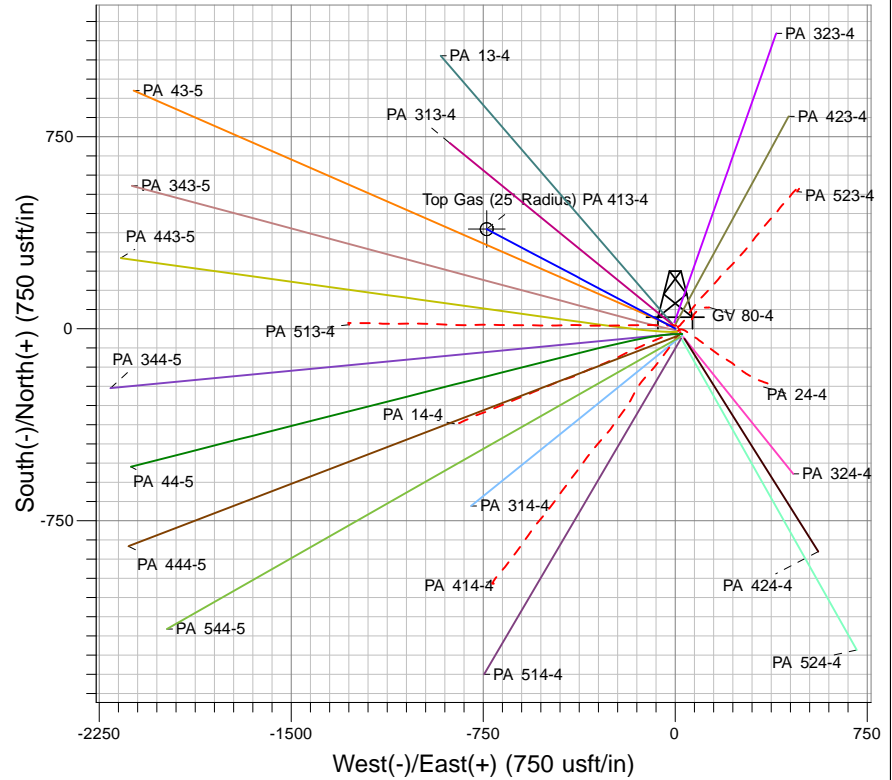
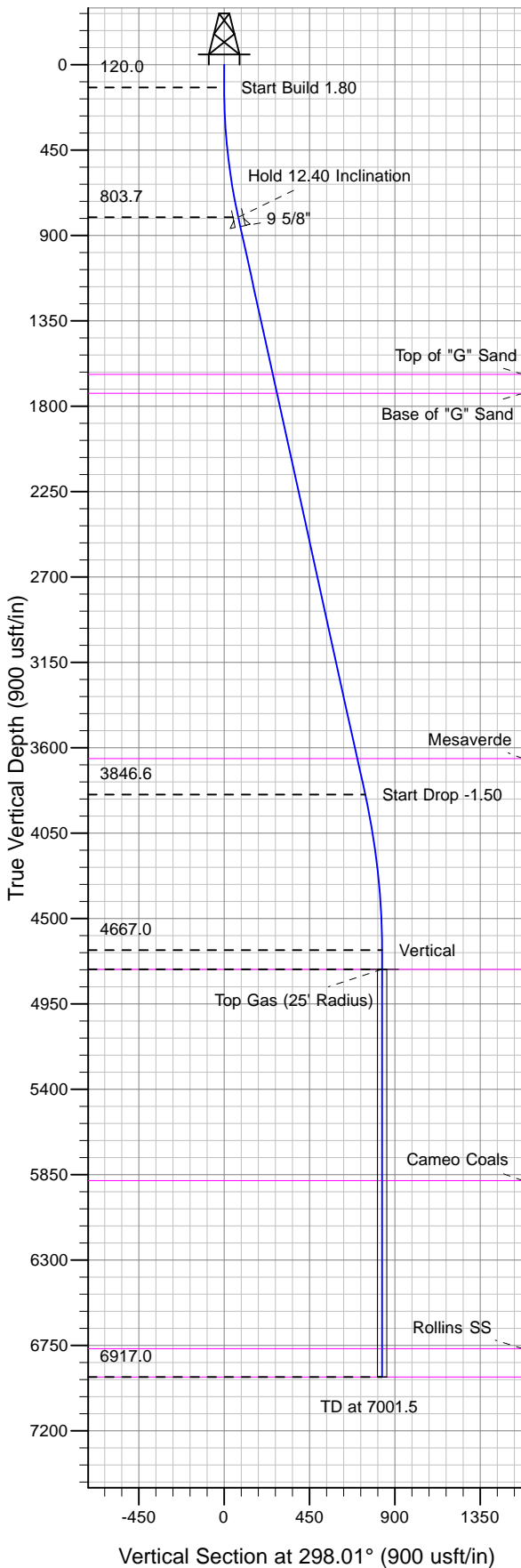
Easting
2292311.20

Latitude
39° 27' 48.540 N

Longitude
108° 0' 24.884 W

Slot
B8

KELLY BUSHING @ 5612.0usft (Nabors SSD (26' RKB) kjs)



Project: PA 04-07S-095W
Site: GV 80-4 Pad
Well: PA 413-4
Plan #2 26Apr10 kjs

Azimuths to True North
Magnetic North: 10.80°
Magnetic Field
Strength: 52618.3snT
Dip Angle: 65.82°
Date: 11/7/2007
Model: IGRF2005-10

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 1.80
803.7	809.0	12.40	297.83	34.7	-65.7	74.3	74.3	Hold 12.40 Inclination
3846.6	3924.7	12.40	297.83	347.0	-65.7	743.5	743.5	Start Drop -1.50
4667.0	4751.5	0.00	0.00	388.6	-736.3	832.6	832.6	Vertical
4767.0	4851.5	0.00	0.00	388.6	-736.3	832.6	832.6	Top Gas
6917.0	7001.5	0.00	0.00	388.6	-736.3	832.6	832.6	TD at 7001.5