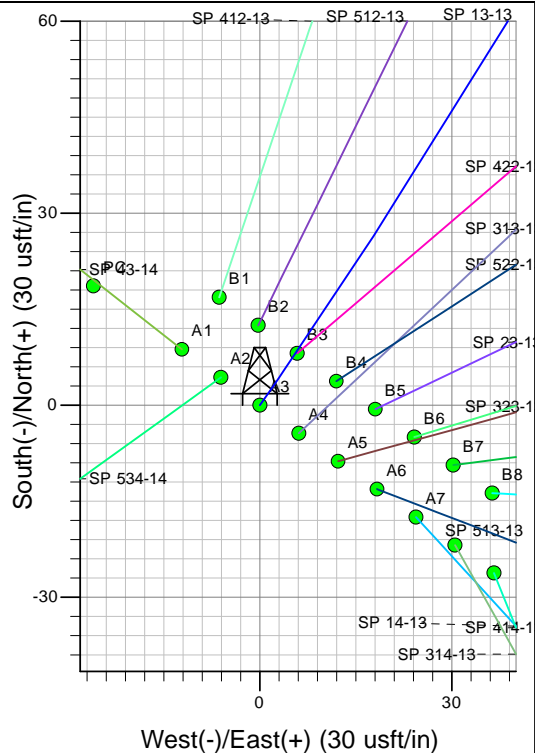
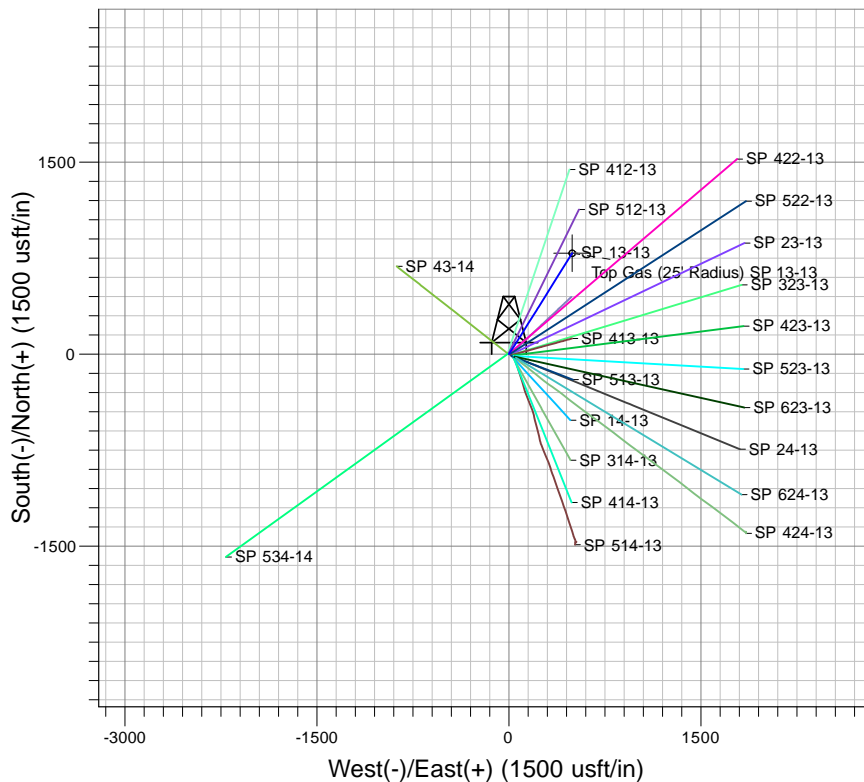
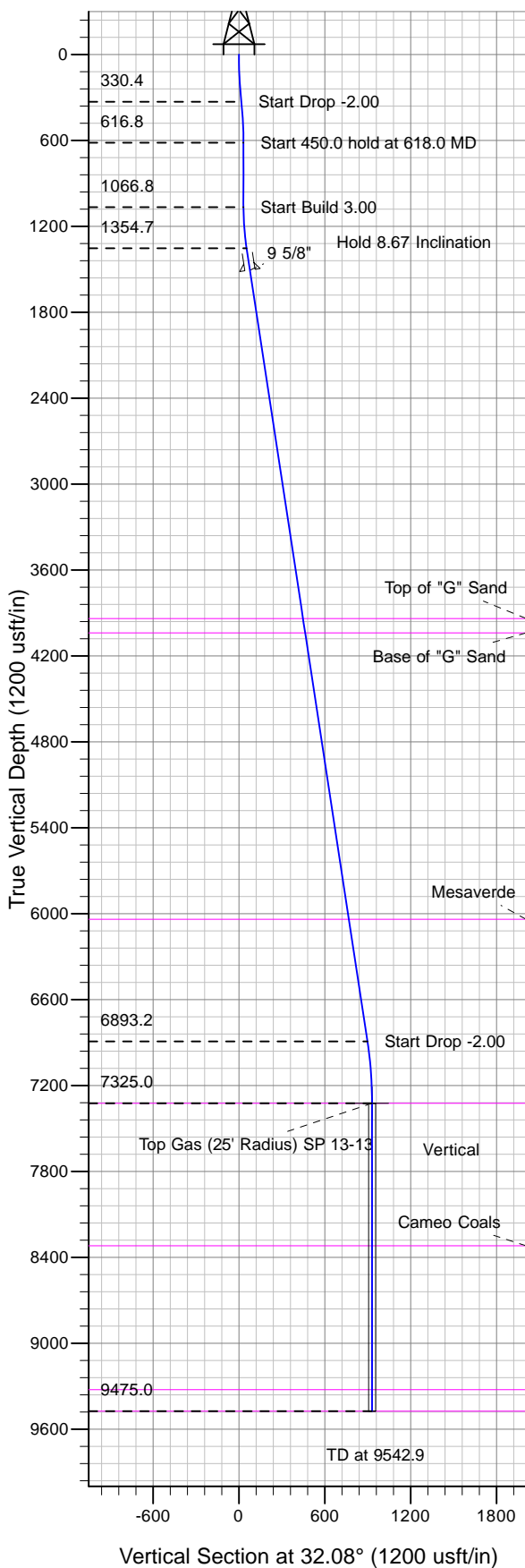




Well Name: SP 13-13
Surface Location: SP 13-13 Pad East
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 7986.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1592709.51 2306710.65 39° 26' 6.131 N 107° 57' 17.637 W A3
KELLY BUSHING @ 8010.0usft (H&P 278 (24' RKB) kjs)



Project: PA 13-07S-095W
Site: SP 13-13 Pad East
Well: SP 13-13
Plug Back 24 Aug11 NF

Azimuths to True North
Magnetic North: 10.30°
Magnetic Field
Strength: 52190.0snT
Dip Angle: 65.69°
Date: 8/12/2011
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
330.4	331.0	5.74	33.70	14.5	9.8	17.5	0.0	Start Drop -2.00
616.8	618.0	0.00	0.00	26.5	17.8	31.9	14.4	Start 450.0 hold at 618.0 MD
1066.8	1068.0	0.00	0.00	26.5	17.8	31.9	14.4	Start Build 3.00
1354.7	1356.9	8.67	32.02	45.0	29.3	53.7	36.2	Hold 8.67 Inclination
6893.2	6959.4	8.67	32.02	760.9	477.0	898.1	880.6	Start Drop -2.00
7325.0	7392.9	0.00	0.00	788.7	494.3	930.8	913.3	Vertical
9475.0	9542.9	0.00	0.00	788.7	494.3	930.8	913.3	TD at 9542.9