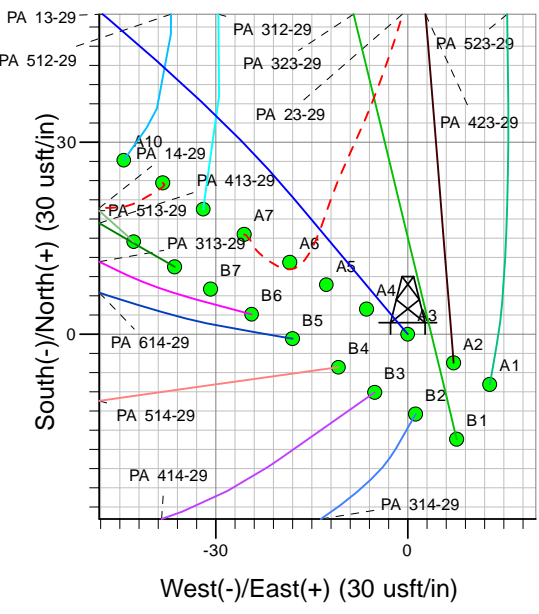
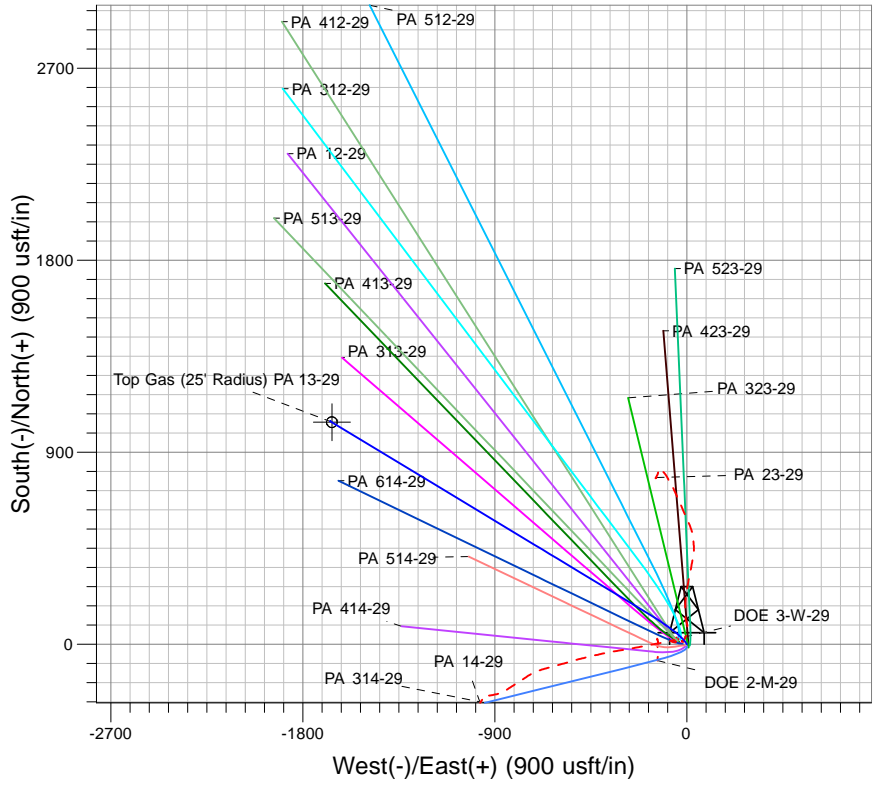
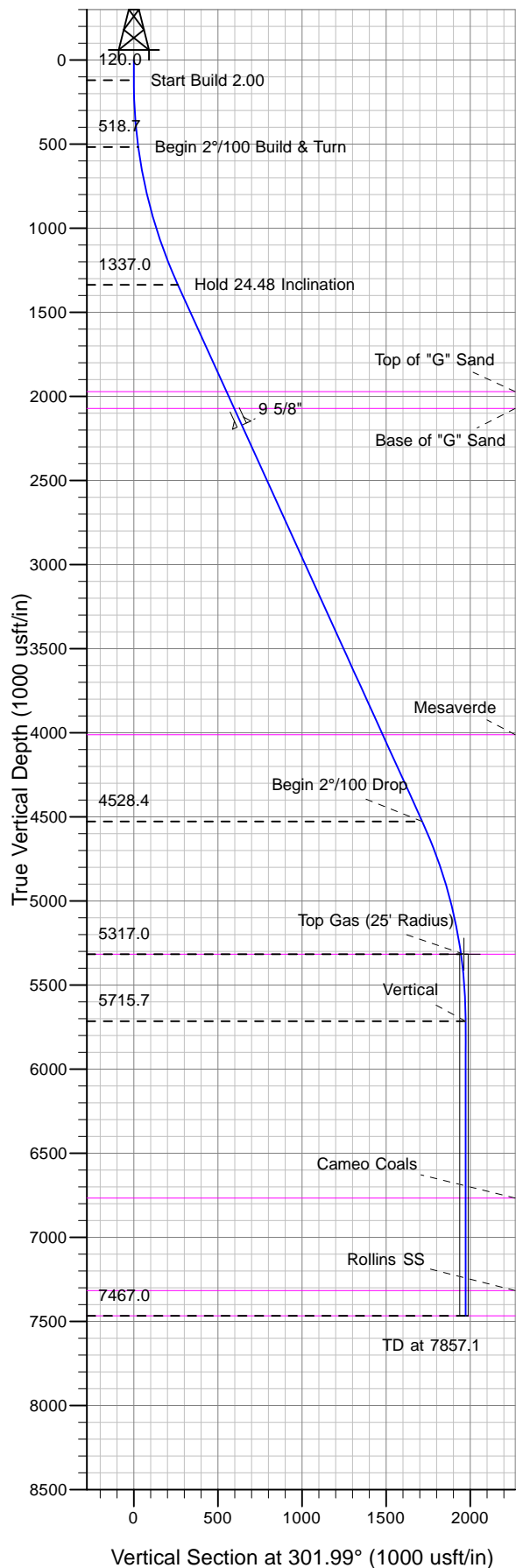




Well Name: PA 13-29
 Surface Location: DOE 3-W-29 Pad
 North American Datum 1983, US State Plane 1983, Colorado Central Zone
 Ground Elevation: 5676.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1613214.80 2288011.70 39° 29' 23.661 N 108° 1' 23.137 W A3
 WELL @ 5702.0usft (Nabors 577 (26') kjs)



Project: PA 29-06S-095W
 Site: DOE 3-W-29 Pad
 Well: PA 13-29
 Plan #1 05Feb09 kjs

T M
 Azimuths to True North
 Magnetic North: 10.67°
 Magnetic Field
 Strength: 52485.7snT
 Dip Angle: 65.79°
 Date: 2/3/2009
 Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 2.00
518.7	520.0	8.00	320.00	21.4	-17.9	26.5	27.9	Begin 2°/100 Build & Turn
1337.0	1374.8	24.48	301.17	159.6	-209.2	262.0	264.6	Hold 24.48 Inclination
4528.4	4881.6	24.48	301.17	911.8	-1452.7	1715.2	1717.9	Begin 2°/100 Drop
5317.0	5705.8	8.00	301.17	1030.7	-1649.3	1944.9	1947.7	Top Gas
5715.7	6105.8	0.00	0.00	1045.1	-1673.2	1972.8	1975.6	Vertical
7467.0	7857.1	0.00	0.00	1045.1	-1673.2	1972.8	1975.6	TD at 7857.1