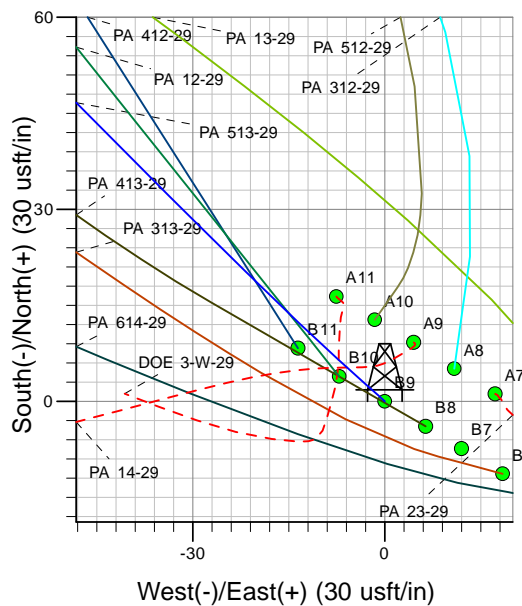
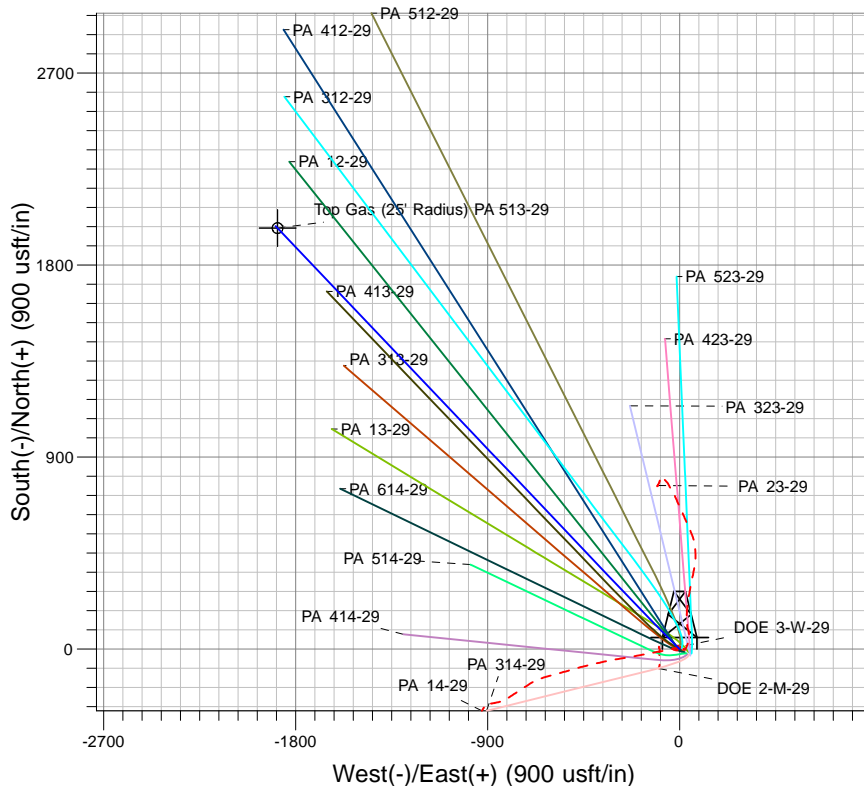
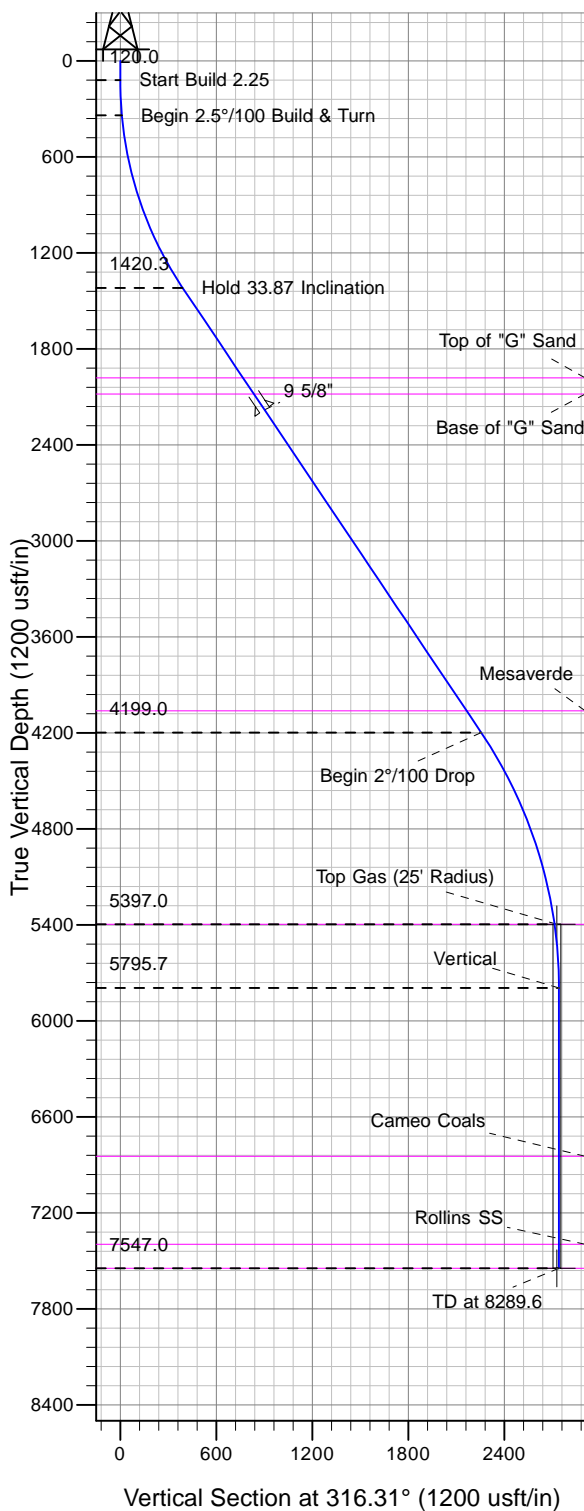




Well Name: PA 513-29
Surface Location: DOE 3-W-29 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 5676.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1613230.43 2287969.31 39° 29' 23.803 N 108° 1' 23.683 W B9
WELL @ 5702.0usft (Nabors 577 (26') kjs)



Project: PA 29-06S-095W
Site: DOE 3-W-29 Pad
Well: PA 513-29
Plan #2 26Jan10 kjs



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	V	Sect	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	Start Build 2.25
341.9	342.2	5.00	312.00	6.5	-7.2	9.7	9.7	9.7	Begin 2.5°/100 Build & Turn
1420.3	1497.9	33.87	316.41	279.3	-272.3	390.0	390.1	390.1	Hold 33.87 Inclination
4199.0	4844.6	33.87	316.41	1630.4	-1558.5	2255.4	2255.5	2255.5	Begin 2°/100 Drop
5397.0	6138.3	8.00	316.41	1962.4	-1874.5	2713.8	2713.9	2713.9	Top Gas
5795.7	6538.3	0.00	0.00	1982.6	-1893.7	2741.7	2741.8	2741.8	Vertical
7547.0	8289.6	0.00	0.00	1982.6	-1893.7	2741.7	2741.8	2741.8	TD at 8289.6