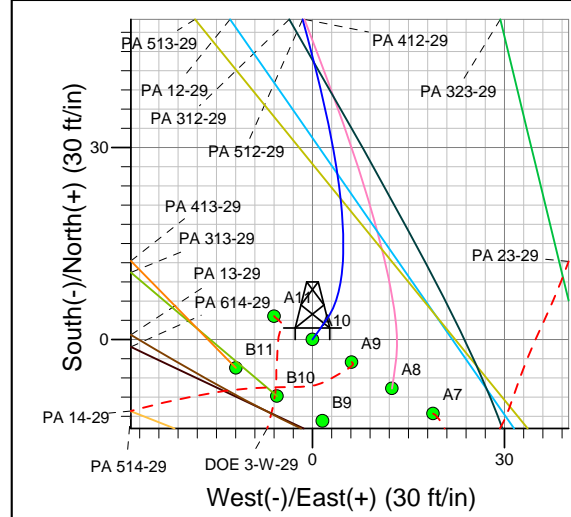
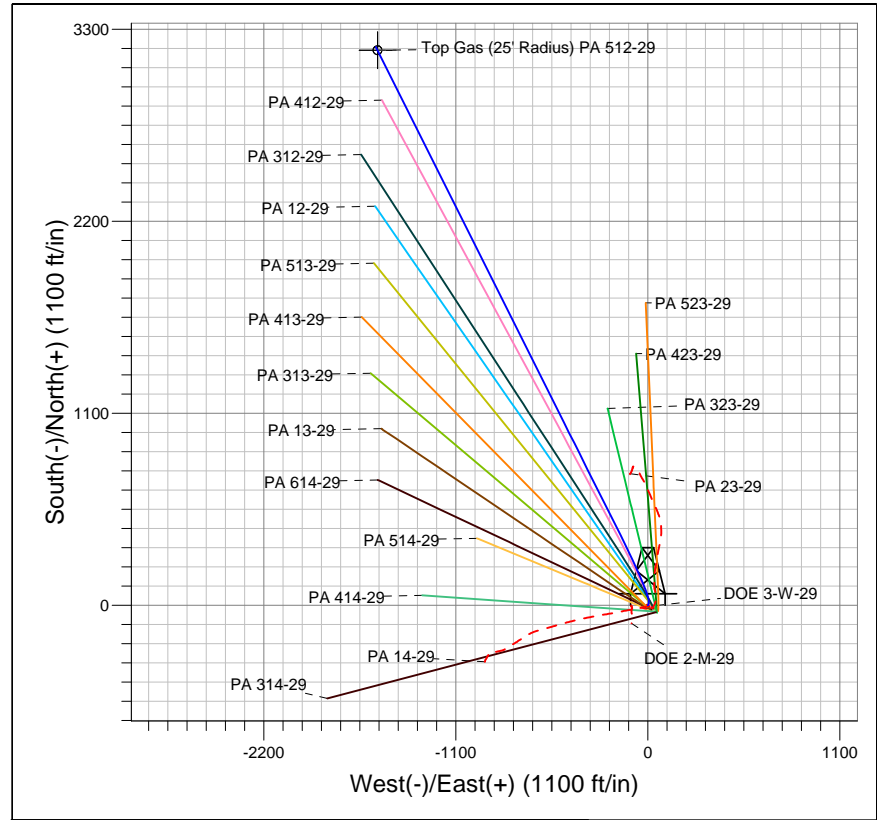
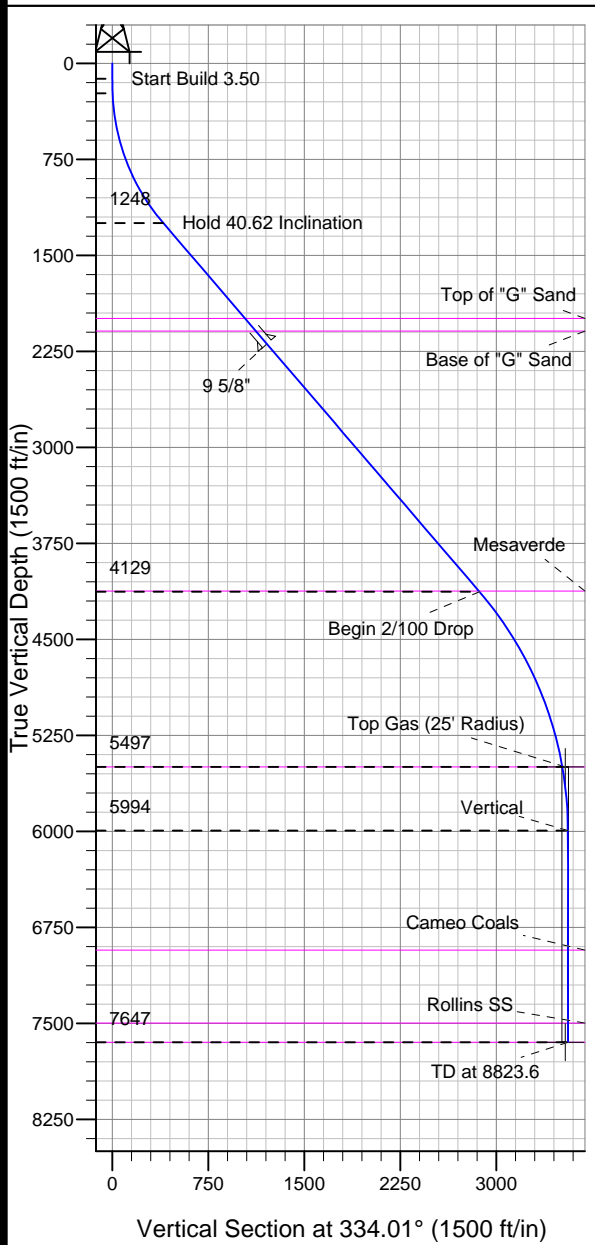




Well Name: PA 512-29
 Surface Location: DOE 3-W-29 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 5676.0
 +N/-S 0.0 +E/-W 0.0 Northing 1613243.20 Easting 2287968.10 Longitude 39° 29' 23.929 N Slot A10
 WELL @ 5702.0ft (Nabors 577 (26') kjs)



Project: PA 29-06S-095W
 Site: DOE 3-W-29 Pad
 Well: PA 512-29
 Plan #1 05Feb09 kjs

T M
 Azimuths to True North
 Magnetic North: 10.64°
 Magnetic Field
 Strength: 52543.4snT
 Dip Angle: 65.76°
 Date: 2/3/2009
 Model: IGRF2005

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.0	
3	234.3	4.00	35.00	234.2	3.3	2.3	3.50	35.00	1.9	
4	1344.4	40.62	333.38	1248.3	372.3	-143.0	3.50	-65.93	397.3	
5	5140.0	40.62	333.38	4129.3	2581.6	-1250.1	0.00	0.00	2868.4	
6	6671.1	10.00	333.38	5497.0	3159.9	-1539.9	2.00	-180.00	3515.2	Top Gas (25' Radius) PA 512-29
7	7171.1	0.00	0.00	5994.5	3198.8	-1559.4	2.00	180.00	3558.7	
8	8823.6	0.00	0.00	7647.0	3198.8	-1559.4	0.00	0.00	3558.7	

ANNOTATIONS		
TVD	MD	Annotation
120.0	120.0	Start Build 3.50
234.2	234.3	Begin 3.5/100 Build & Turn
1248.3	1344.4	Hold 40.62 Inclination
4129.3	5140.0	Begin 2/100 Drop
5497.0	6671.1	Top Gas
5994.5	7171.1	Vertical
7647.0	8823.6	TD at 8823.6