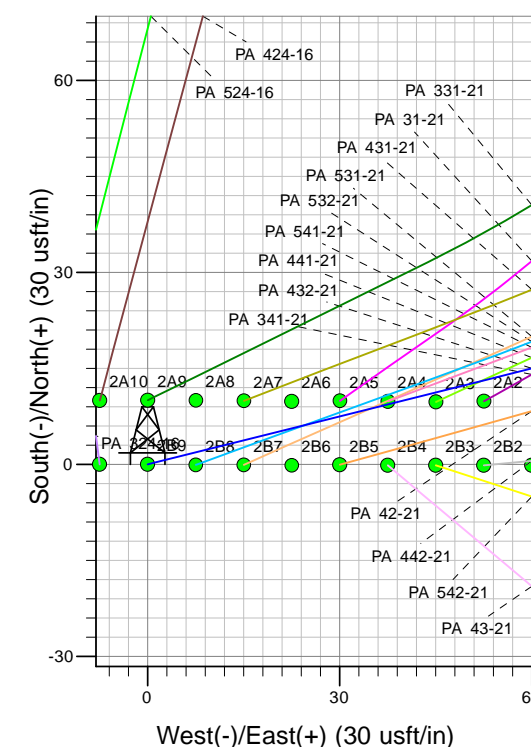
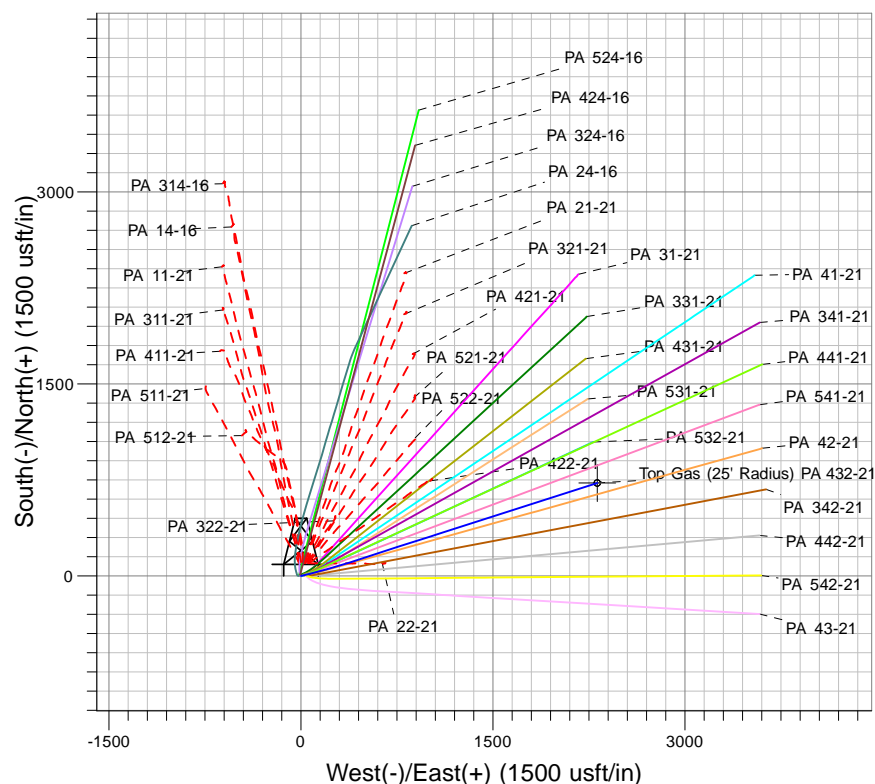
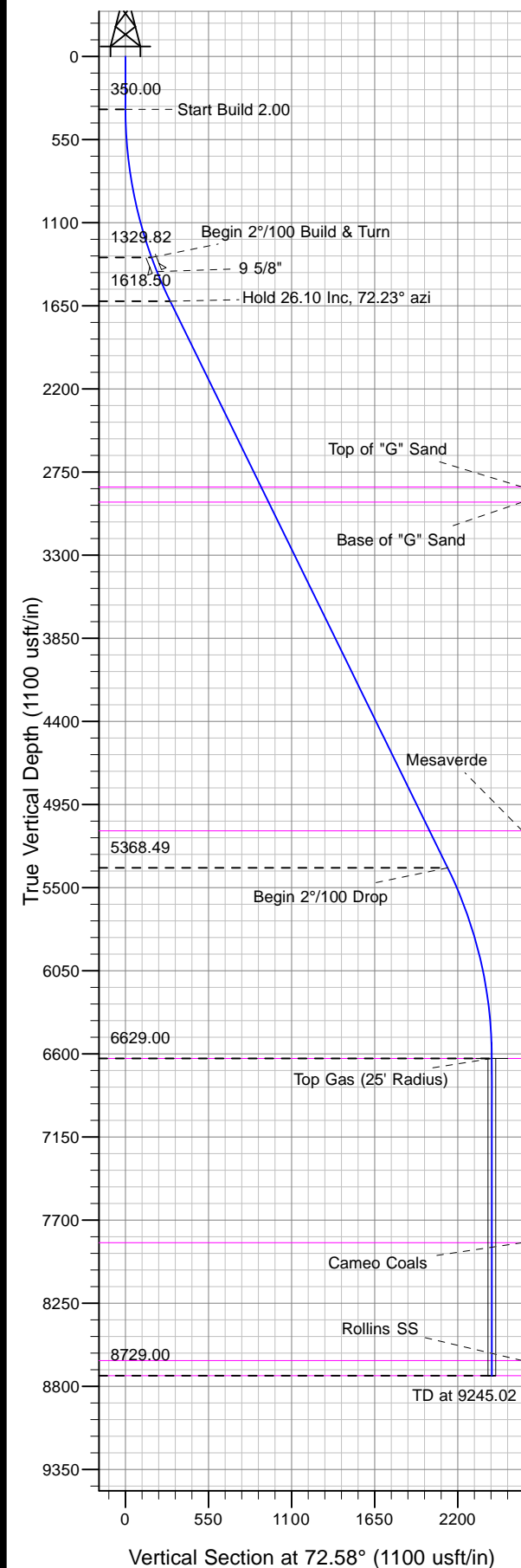




Well Name: PA 432-21
Surface Location: PA 22-21 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 6030.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 1620591.00 2292449.20 39.51049 -108.00810 2B9
KELLY BUSHING @ 6056.00usft (Nabors 26')



Project: PA 21-06S-095W
Site: PA 22-21 Pad
Well: PA 432-21
Design #2 07Nov12 kjs

Azimuths to True North
Magnetic North: 10.23°
Magnetic Field
Strength: 52157.4snT
Dip Angle: 65.72°
Date: 6/6/2012
Model: IGRF2010

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	Start Build 2.00
1350.00	20.00	76.00	1329.82	41.80	167.64	172.46	172.77	Begin 2°/100 Build & Turn
1663.87	26.10	72.23	1618.50	75.89	285.59	295.21	295.57	Hold 26.10 Inc, 72.23° azi
5839.82	26.10	72.23	5368.49	636.74	2035.34	2132.61	2133.01	Begin 2°/100 Drop
7145.02	0.00	26.37	6629.00	725.93	2313.61	2424.82	2425.23	Top Gas
9245.02	0.00	26.37	8729.00	725.94	2313.61	2424.83	2425.24	TD at 9245.02