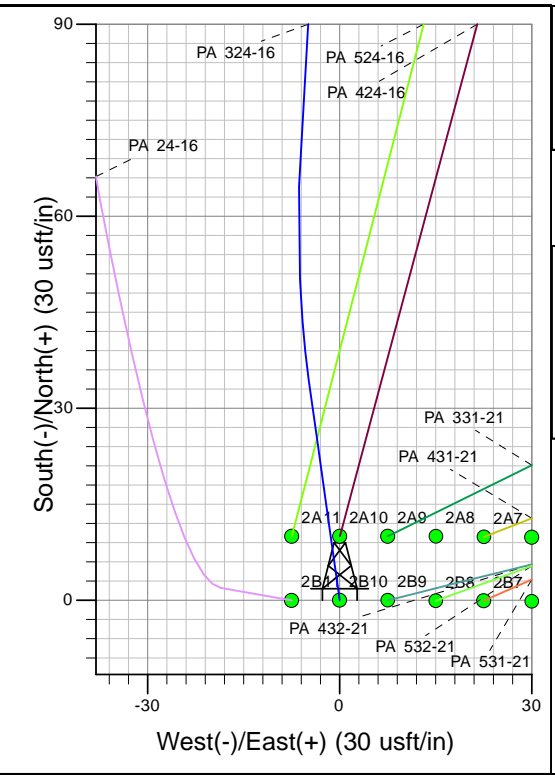
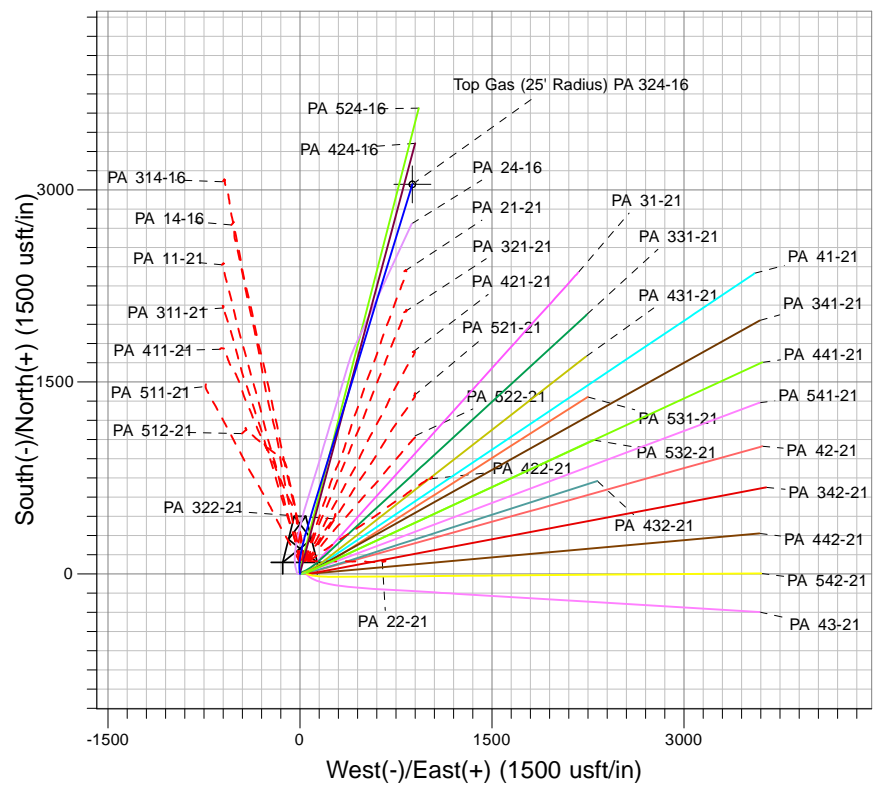
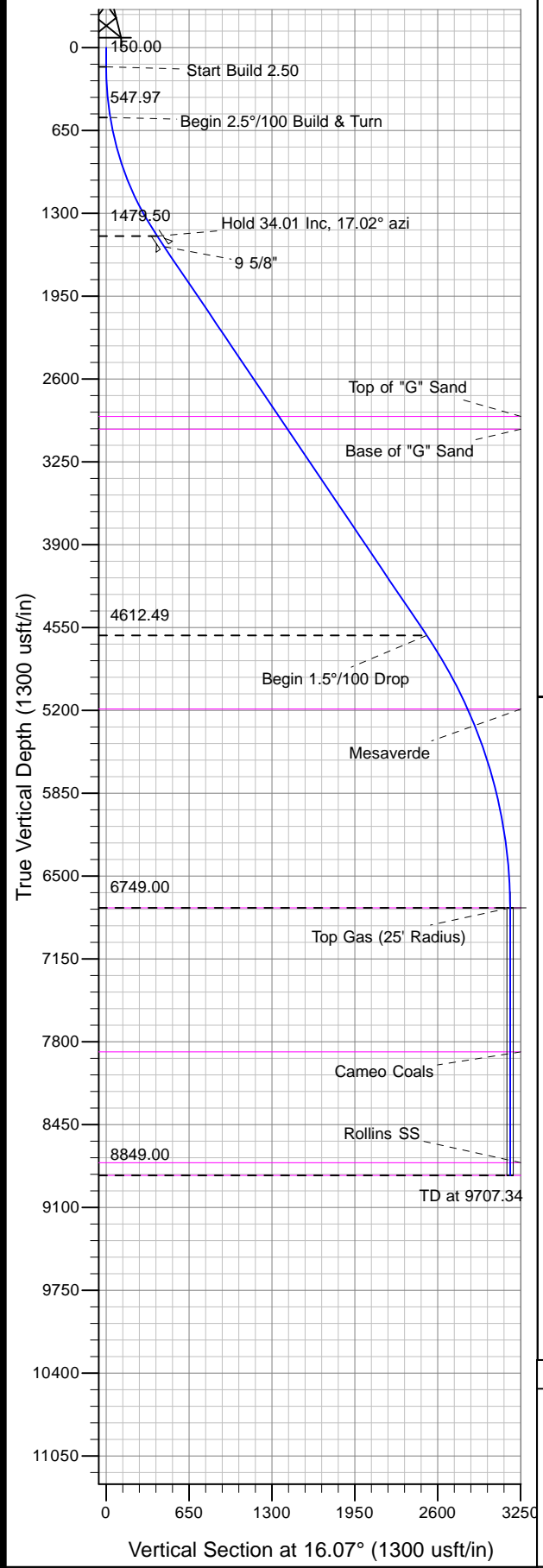




Well Name: PA 324-16
 Surface Location: PA 22-21 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 6030.00
 +N/-S 0.00 +E/-W 0.00 Northing 1620591.20 Easting 2292441.70 Latitude 39.51049 Longitude -108.00812 Slot 2B10
 KELLY BUSHING @ 6056.00usft (Nabors 26')



Project: PA 21-06S-095W
 Site: PA 22-21 Pad
 Well: PA 324-16
 Design #2 07Nov12 kjs

T M
 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	V Sect	Departure	Annotation
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	Start Build 2.50
550.00	10.00	352.00	547.97	34.48	-4.85	31.79	34.82	Begin 2.5°/100 Build & Turn
1560.50	34.01	17.02	1479.50	397.50	66.81	400.46	406.72	Hold 34.01 Inc, 17.02° azi
5340.01	34.01	17.02	4612.49	2418.99	685.42	2514.20	2520.75	Begin 1.5°/100 Drop
7607.34	0.00	53.06	6749.00	3043.79	876.62	3167.51	3174.15	Top Gas
9707.34	0.00	53.06	8849.00	3043.80	876.63	3167.52	3174.16	TD at 9707.34