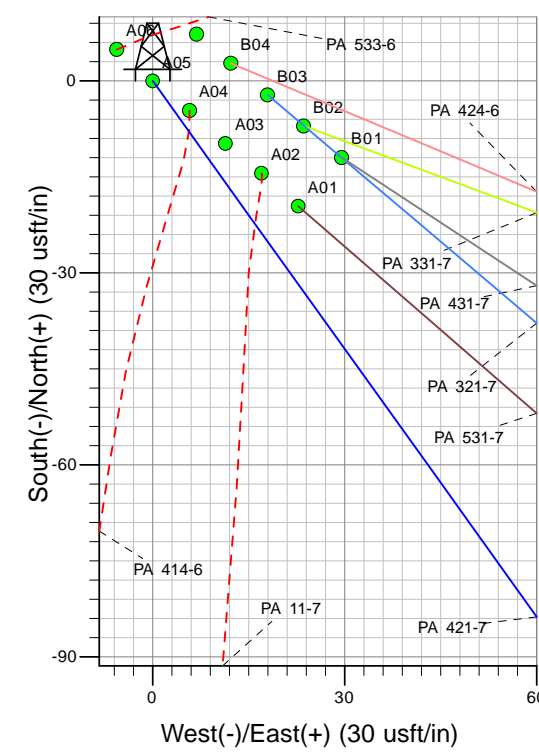
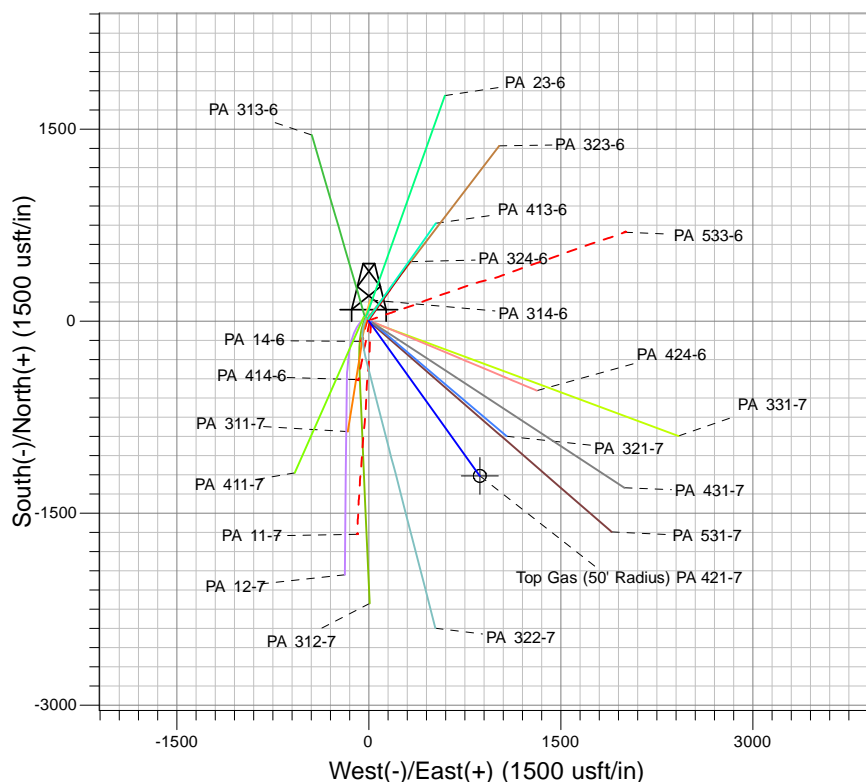
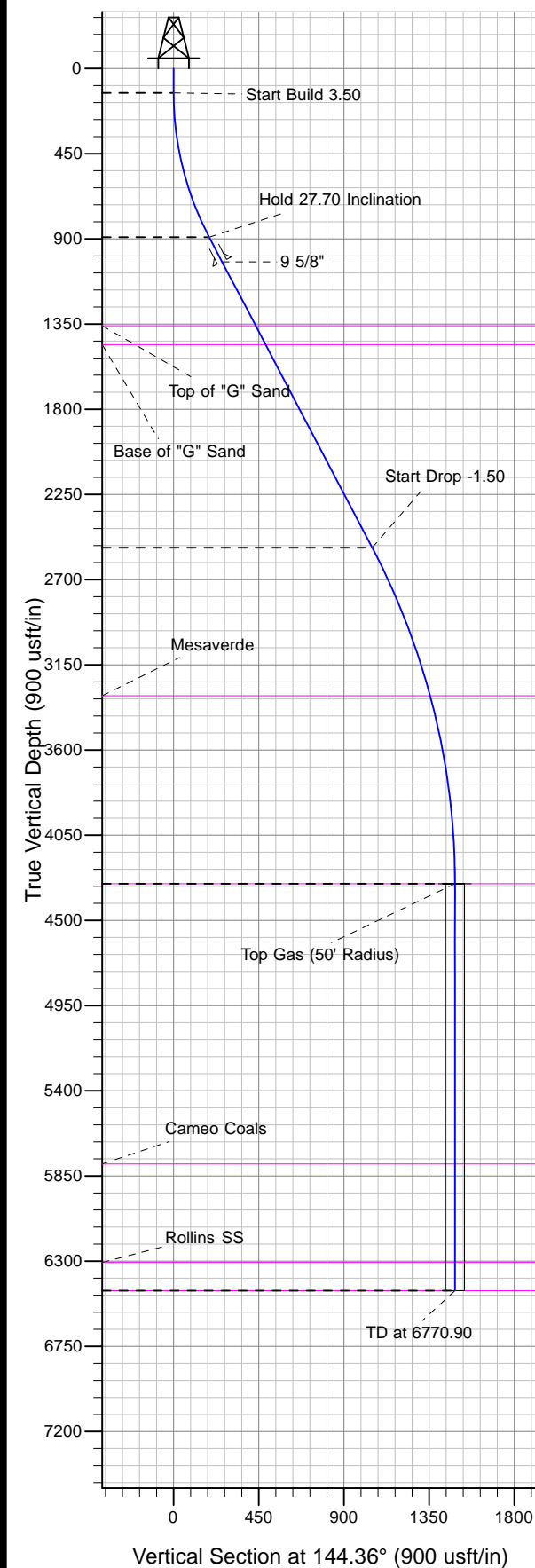




Well Name: PA 421-7
Surface Location: PA 14-6 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5153.00
+N/-S 0.00 +E/-W 0.00 Northing 1603139.40 Easting 2281113.60 Latitude 39.46173 Longitude -108.04653 Slot A05
KELLY BUSHING @ 5179.00usft (Nabors 574 (26' RKB))



Project: PA 06-07S-095W
Site: PA 14-6 Pad
Well: PA 421-7
Design #3 18Dec13 kjs

Azimuths to True North
Magnetic North: 10.03°
Magnetic Field
Strength: 51962.8snT
Dip Angle: 65.63°
Date: 2/12/2014
Model: IGRF2010

ANNOTATIONS								
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
130.00	130.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.50
890.92	921.39	27.70	144.36	-152.47	109.30	187.60	187.60	Hold 27.70 Inclination
2531.51	2774.32	27.70	144.36	-852.46	611.10	1048.88	1048.88	Start Drop -1.50
4307.00	4620.90	0.00	0.00	-1208.22	866.14	1486.60	1486.60	Top Gas
6457.00	6770.90	0.00	0.00	-1208.22	866.14	1486.60	1486.60	TD at 6770.90