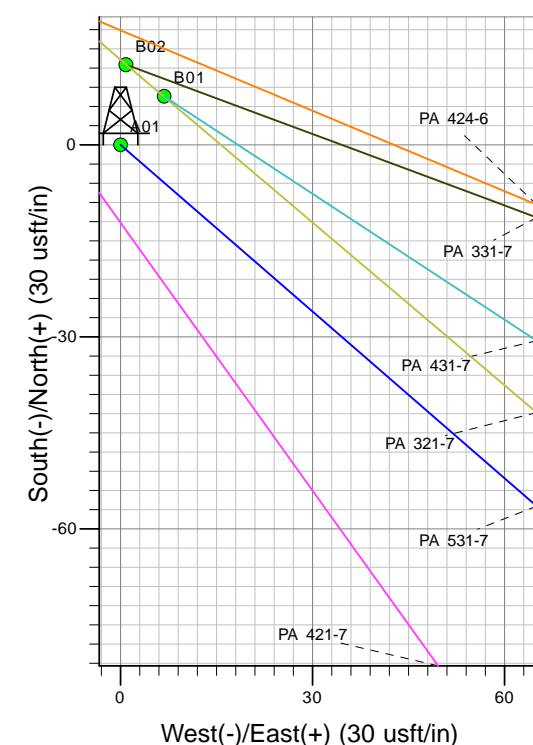
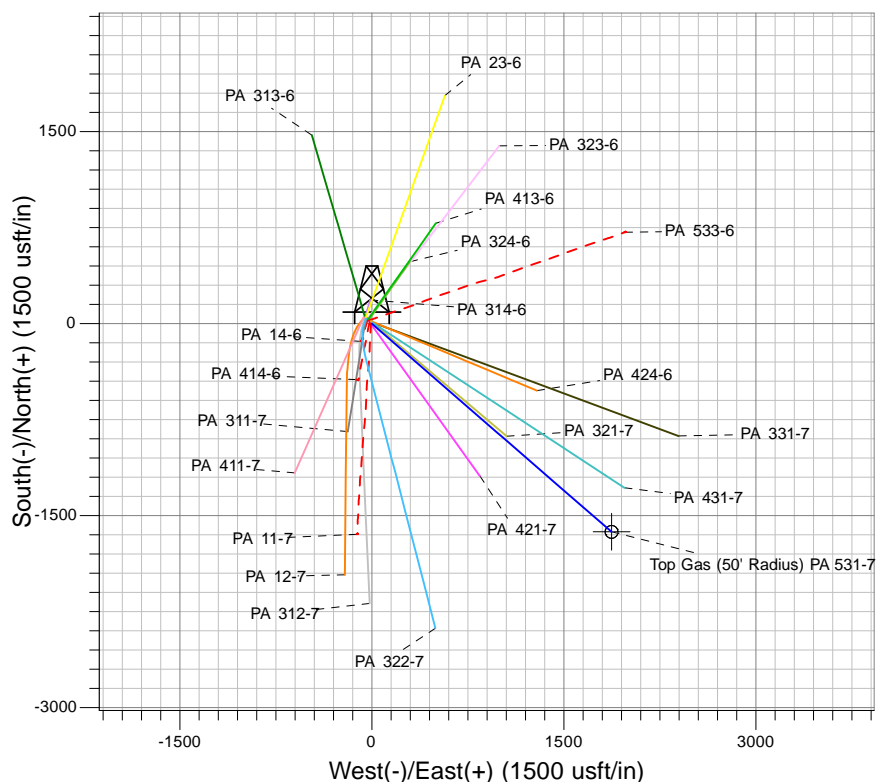
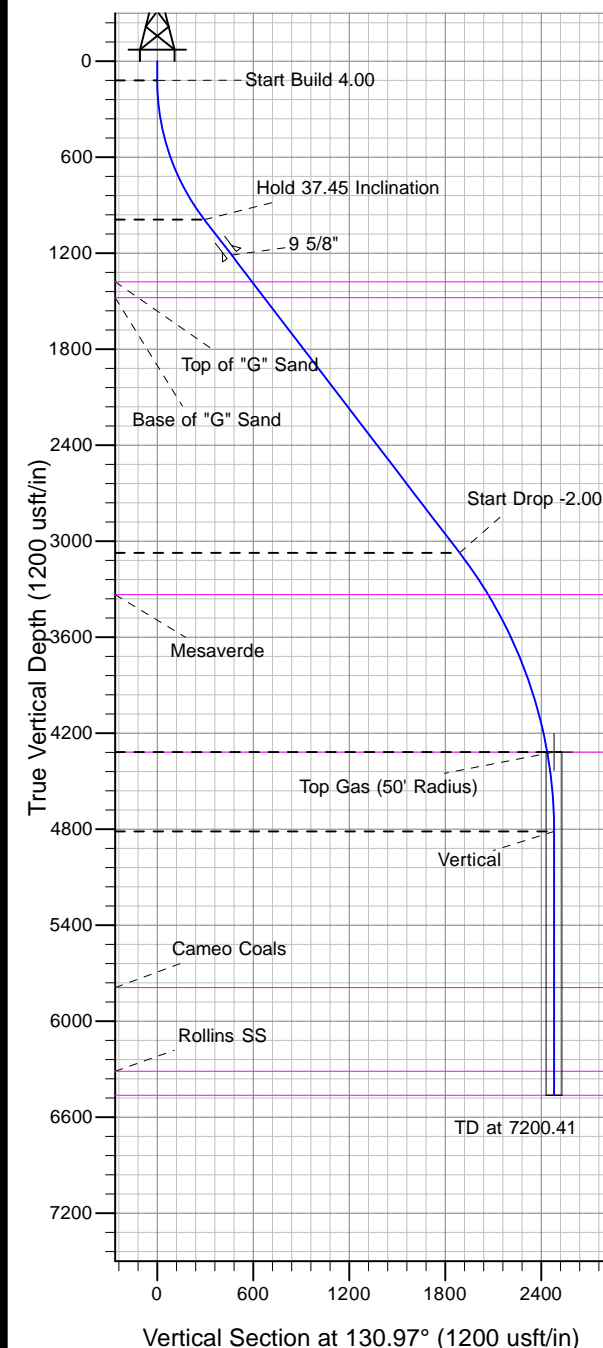




Well Name: PA 531-7
Surface Location: PA 14-6 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 5153.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1603119.21	2281135.79	39.46167	-108.04644	A01

KELLY BUSHING @ 5179.00usft (Nabors 574 (26' RKB))



Project: PA 06-07S-095W
Site: PA 14-6 Pad
Well: PA 531-7
Design #3 18Dec13 kjs



Azimuths to True North
Magnetic North: 10.04°
Magnetic Field
Strength: 51974.4snT
Dip Angle: 65.63°
Date: 1/1/2014
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
120.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 4.00
990.98	1056.23	37.45	130.97	-193.55	222.92	295.23	295.23	Hold 37.45 Inclination
3073.51	3679.42	37.45	130.97	-1239.28	1427.34	1890.27	1890.27	Start Drop -2.00
4318.00	5051.87	10.00	130.97	-1597.86	1840.33	2437.20	2437.20	Top Gas
4815.47	5551.87	0.00	0.00	-1626.39	1873.19	2480.72	2480.72	Vertical
6464.00	7200.41	0.00	0.00	-1626.39	1873.19	2480.72	2480.72	TD at 7200.41