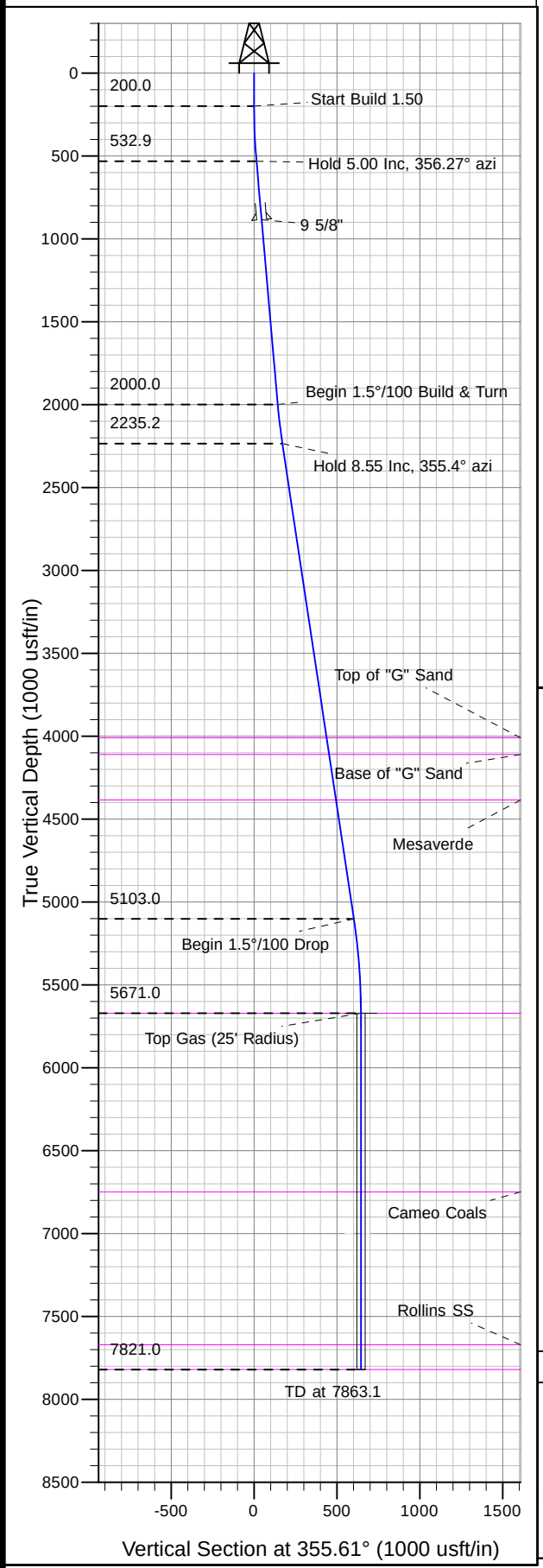
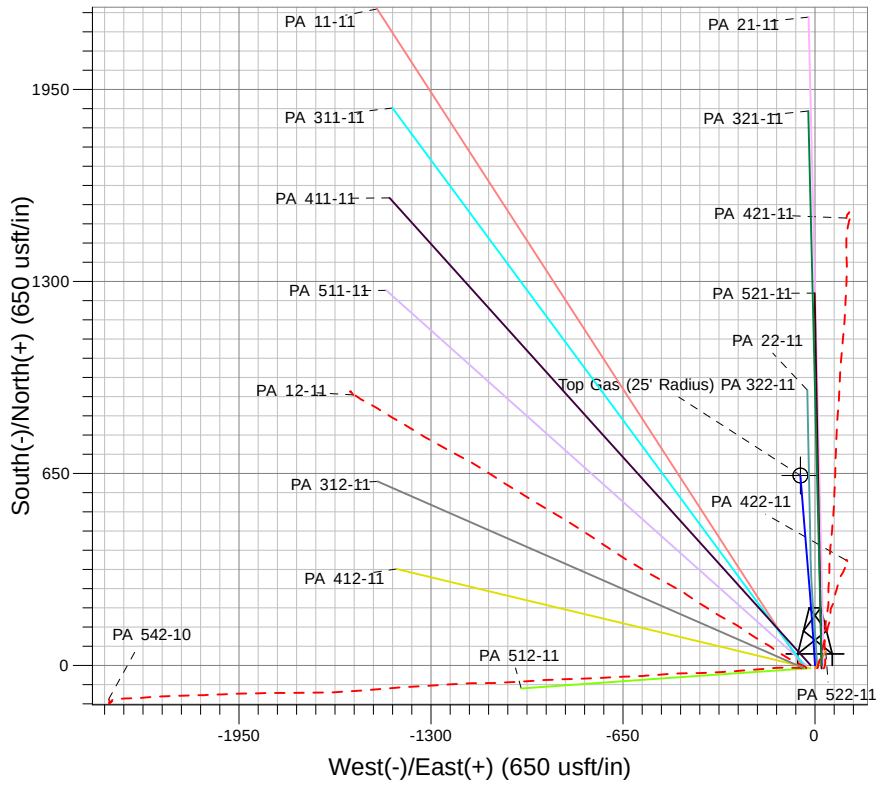
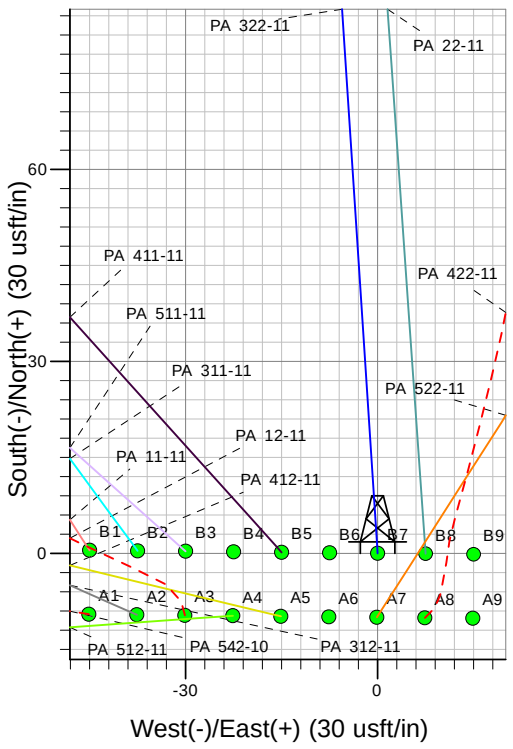
Well Name: PA 322-11
Surface Location: PA 22-11 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 6274.0

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	1599313.92	2303373.60	39° 27' 10.490 N	107° 58' 2.441 W	B7

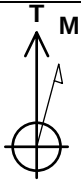
KELLY BUSHING @ 6300.0usft (Nabors 577 (26' RKB))







Project: PA 11-07S-095W
Site: PA 22-11 Pad
Well: PA 322-11
Plan #2 23Oct12 kjs



Azimuths to True North
Magnetic North: 10.57°

Magnetic Field
Strength: 52459.2snT
Dip Angle: 65.77°
Date: 6/3/2009
Model: IGRF2005-10

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.0	Start Build 1.50
533.3	5.00	356.27	532.9	14.5	-0.9	14.5	14.5	Hold 5.00 Inc, 356.27° azi
2006.0	5.00	356.27	2000.0	142.6	-9.3	142.9	142.9	Begin 1.5°/100 Build & Turn
2242.9	8.55	355.40	2235.2	170.5	-11.4	170.8	170.8	Hold 8.55 Inc, 355.4° azi
5142.9	8.55	355.40	5103.0	600.3	-46.0	602.1	602.1	Begin 1.5°/100 Drop
5713.1	0.00	121.51	5671.0	642.6	-49.4	644.5	644.6	Top Gas
7863.1	0.00	121.51	7821.0	642.6	-49.4	644.5	644.6	TD at 7863.1