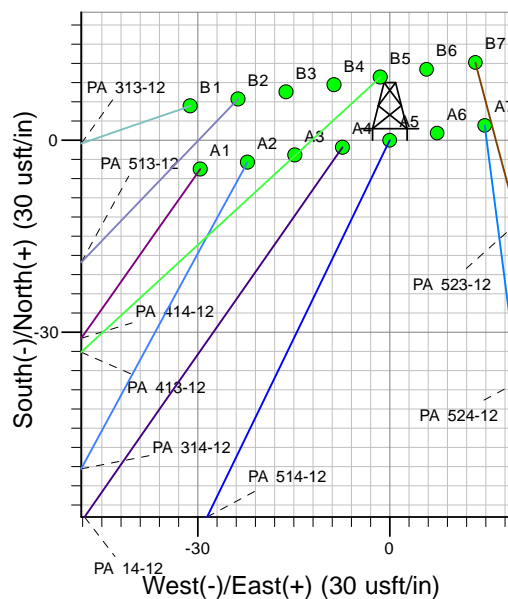
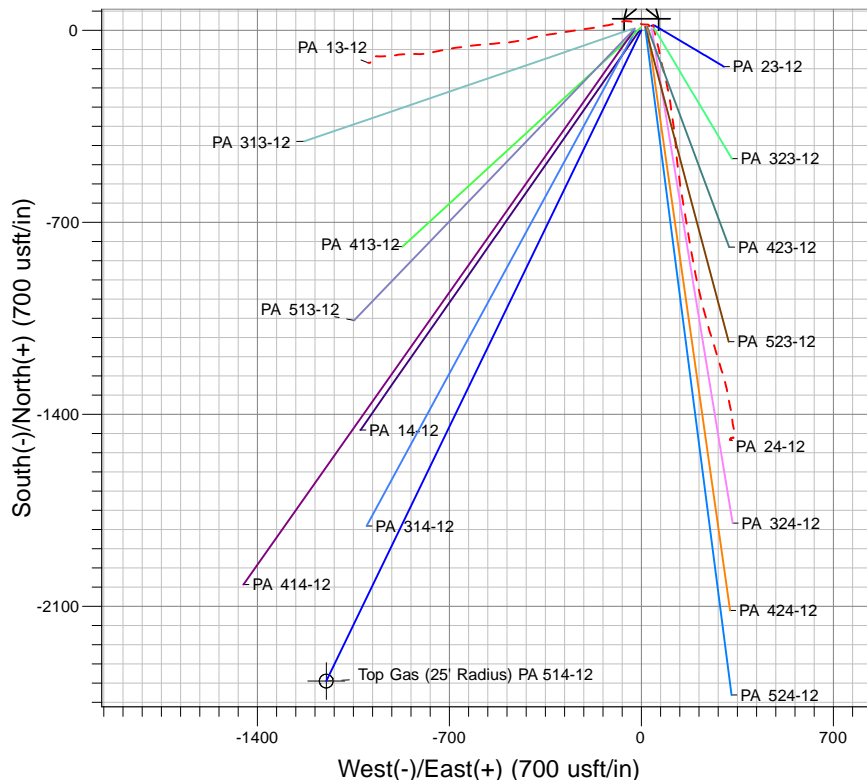
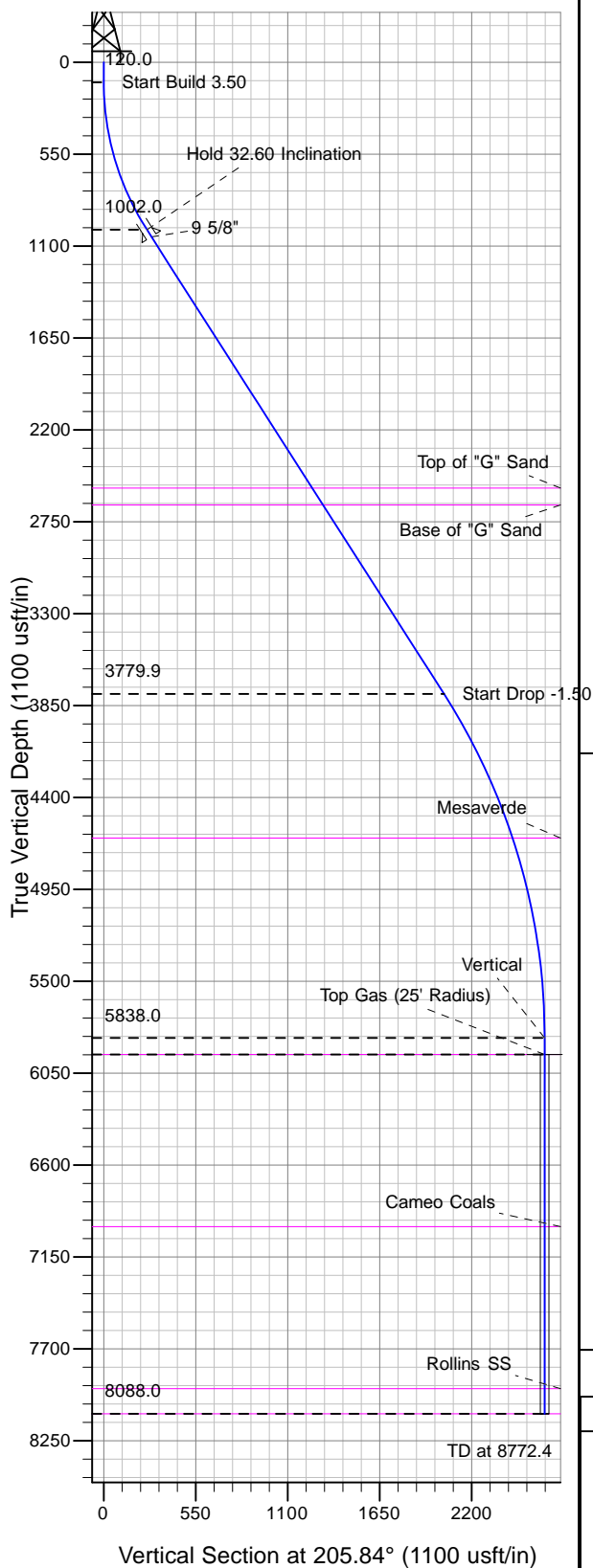




Well Name: PA 514-12
Surface Location: PA 23-12 Pad
North American Datum 1983 , US State Plane 1983 Colorado Central Zone
Ground Elevation: 6507.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1598871.00 2308287.90 39° 27' 7.429 N 107° 56' 59.658 W A5
KELLY BUSHING @ 6533.0usft ((26' RKB) kjs)



Project: PA 12-07S-095W
Site: PA 23-12 Pad
Well: PA 514-12
Plan #2 16Aug10 kjs

T M
Azimuths to True North
Magnetic North: 10.83°
Magnetic Field
Strength: 52653.7snT
Dip Angle: 65.83°
Date: 6/5/2007
Model: IGRF2005-10

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.50
1002.0	1051.5	32.60	205.84	-232.1	-112.4	257.9	257.9	Hold 32.60 Inclination
3779.9	4349.0	32.60	205.84	-1831.2	-886.9	2034.6	2034.6	Start Drop -1.50
5838.0	6522.4	0.00	0.00	-2372.9	-1149.2	2636.5	2636.5	Vertical
5938.0	6622.4	0.00	0.00	-2372.9	-1149.2	2636.5	2636.5	Top Gas
8088.0	8772.4	0.00	0.00	-2372.9	-1149.2	2636.5	2636.5	TD at 8772.4