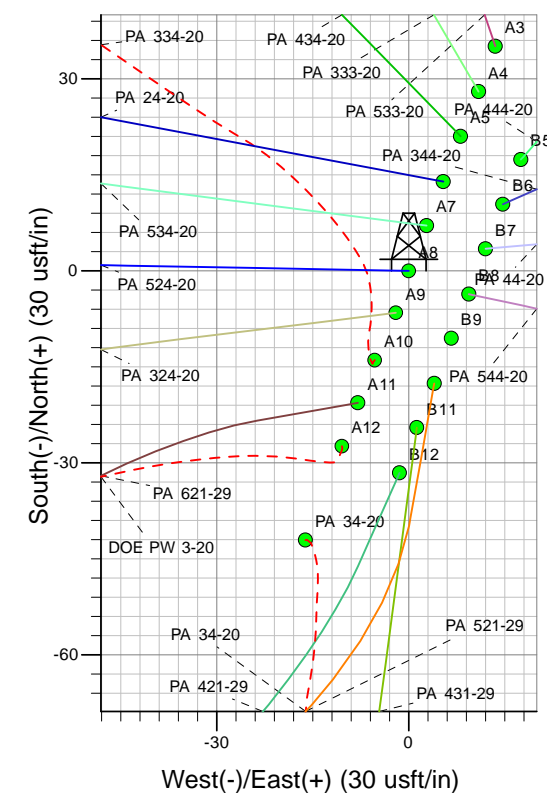
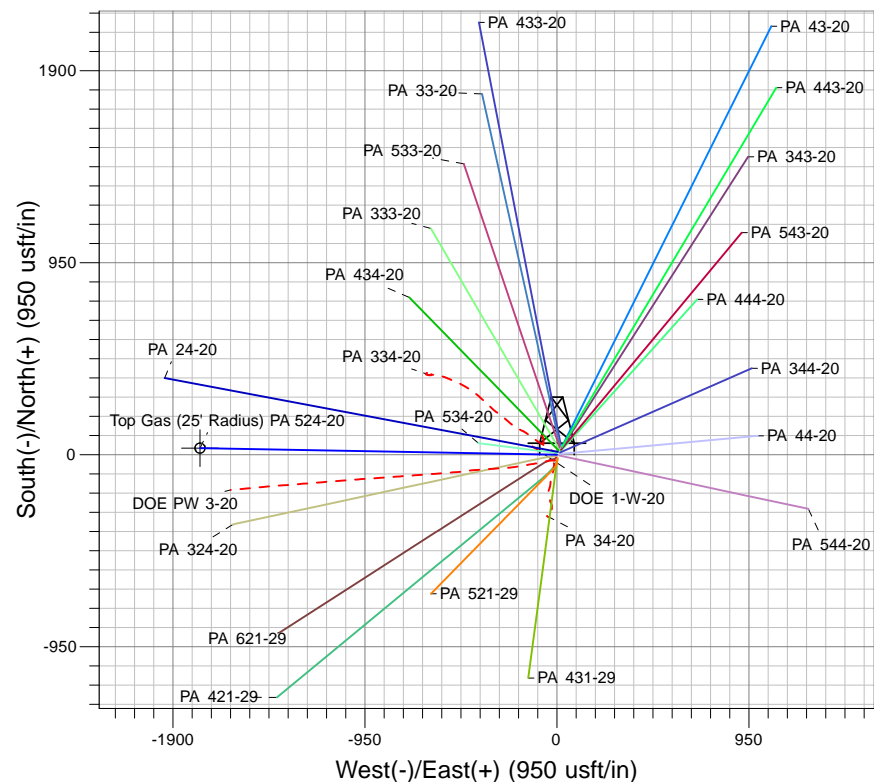
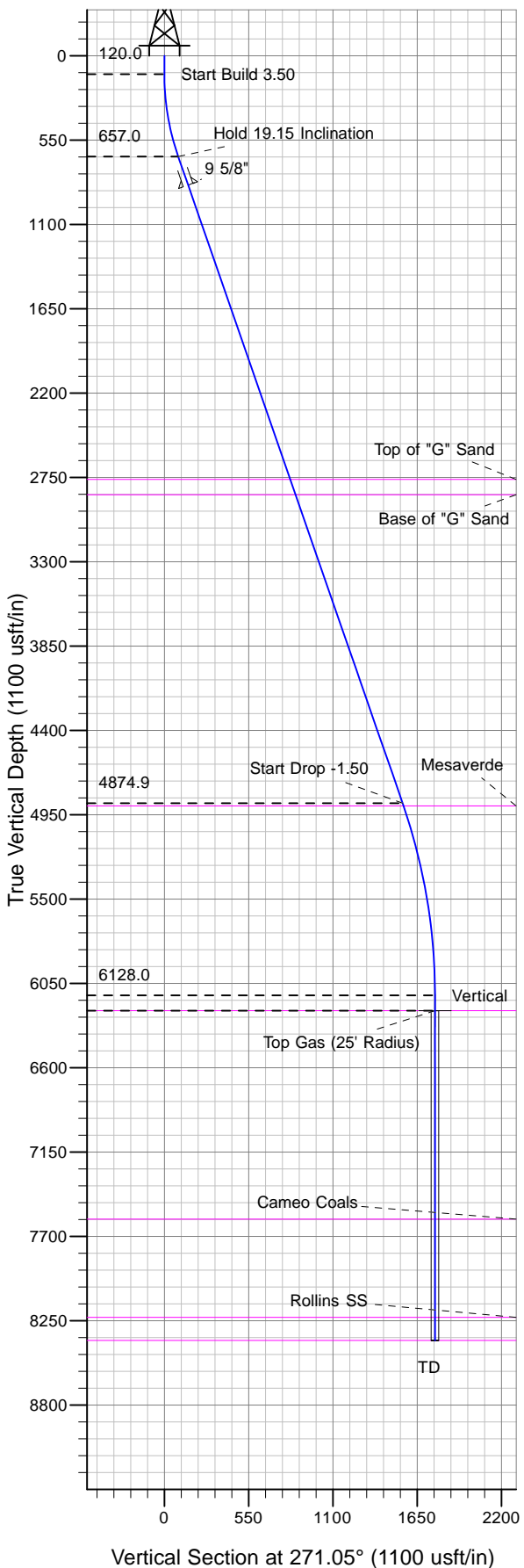




Well Name: PA 524-20
Surface Location: DOE 1-W-20 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6230.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1618289.50 2289271.60 39° 30' 14.143 N 108° 1' 8.867 W A8
KELLY BUSHING @ 6256.0usft (SSD 577 (26' RKB) kjs)



Project: PA 20-06S-095W
Site: DOE 1-W-20 Pad
Well: PA 524-20
Plan #2 01Oct10 kjs

Azimuths to True North
Magnetic North: 10.51°
Magnetic Field
Strength: 52365.2snT
Dip Angle: 65.77°
Date: 4/22/2010
Model: IGRF2010

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation	
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.50	
657.0	667.2	19.15	271.05	1.7	-90.6	90.6	90.6	Hold 19.15 Inclination	
4874.9	5132.1	19.15	271.05	28.5	-1555.1	1555.4	1555.4	Start Drop -1.50	
6128.0	6408.9	0.00	0.00	32.3	-1766.5	1766.8	1766.8	Top Gas	
6228.0	6508.9	0.00	0.00	32.3	-1766.5	1766.8	1766.8	Vertical	
8378.0	8658.9	0.00	0.00	32.3	-1766.5	1766.8	1766.8	TD at 8658.9	