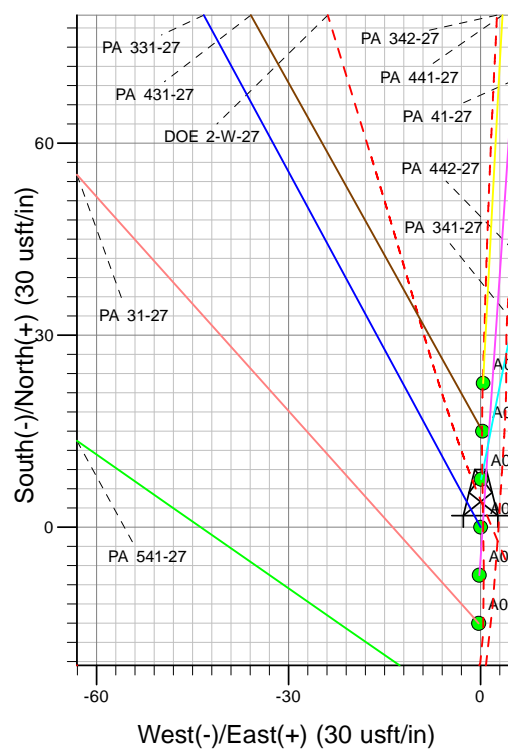
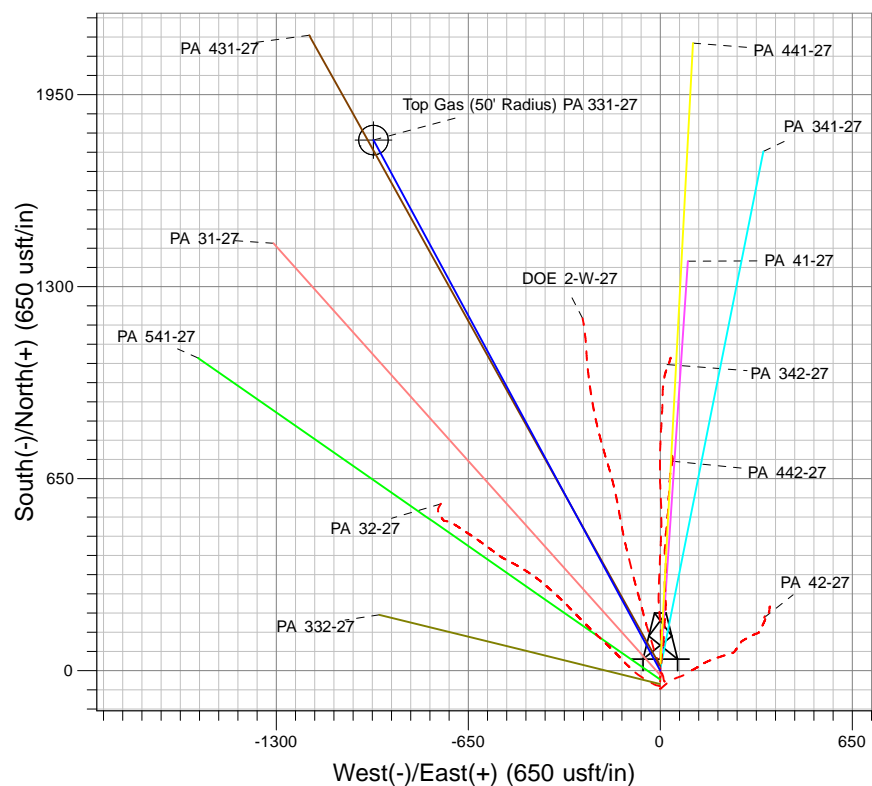
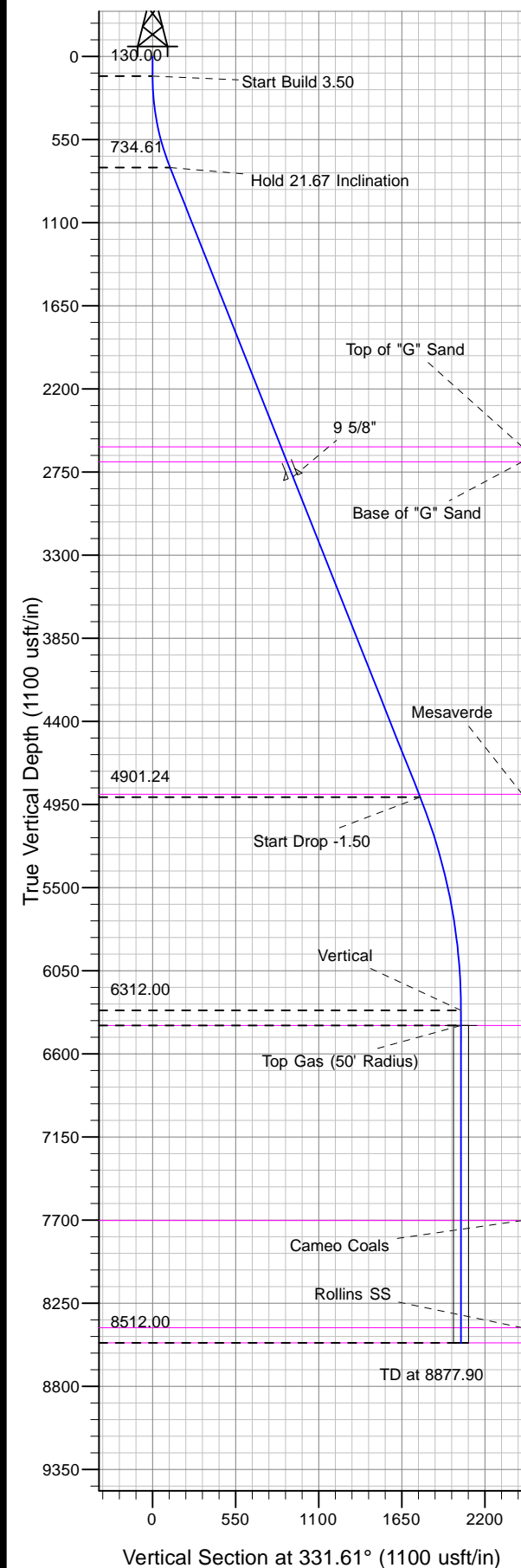




Well Name: PA 331-27
Surface Location: DOE 2-W-27 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 5856.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1615087.80	2300865.50	39.49602	-107.97775	A04

KELLY BUSHING @ 5882.00usft (Nabors 577 (26' RKB) kjs)



Project: PA 27-06S-095W
Site: DOE 2-W-27 Pad
Well: PA 331-27
Design #1 13May13 kjs

Azimuths to True North
Magnetic North: 11.45°

Magnetic Field
Strength: 53051.6snT
Dip Angle: 65.99°
Date: 12/31/2004
Model: IGRF2000

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
130.00	130.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.50
734.61	749.28	21.67	331.61	101.82	-55.04	115.75	115.75	Hold 21.67 Inclination
4901.24	5232.91	21.67	331.61	1558.57	-842.52	1771.72	1771.72	Start Drop -1.50
6312.00	6677.90	0.00	0.00	1796.15	-970.95	2041.79	2041.79	Vertical
6412.00	6777.90	0.00	0.00	1796.15	-970.95	2041.79	2041.79	Top Gas
8512.00	8877.90	0.00	0.00	1796.15	-970.95	2041.79	2041.79	TD at 8877.90