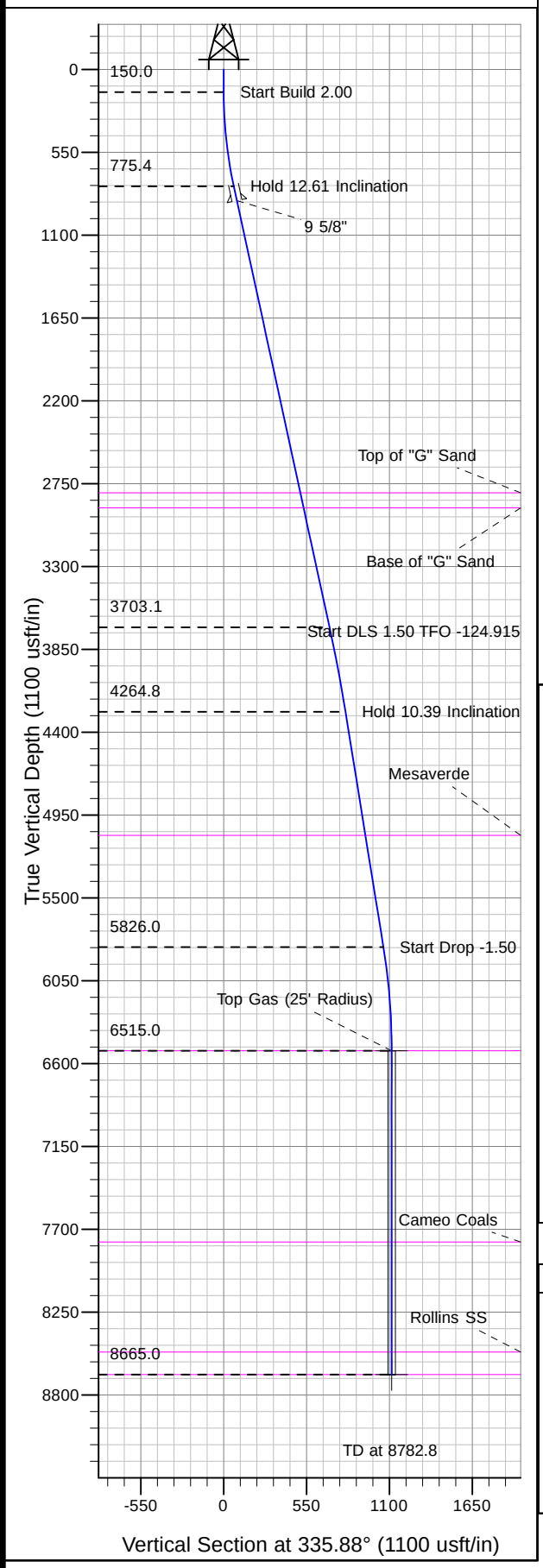
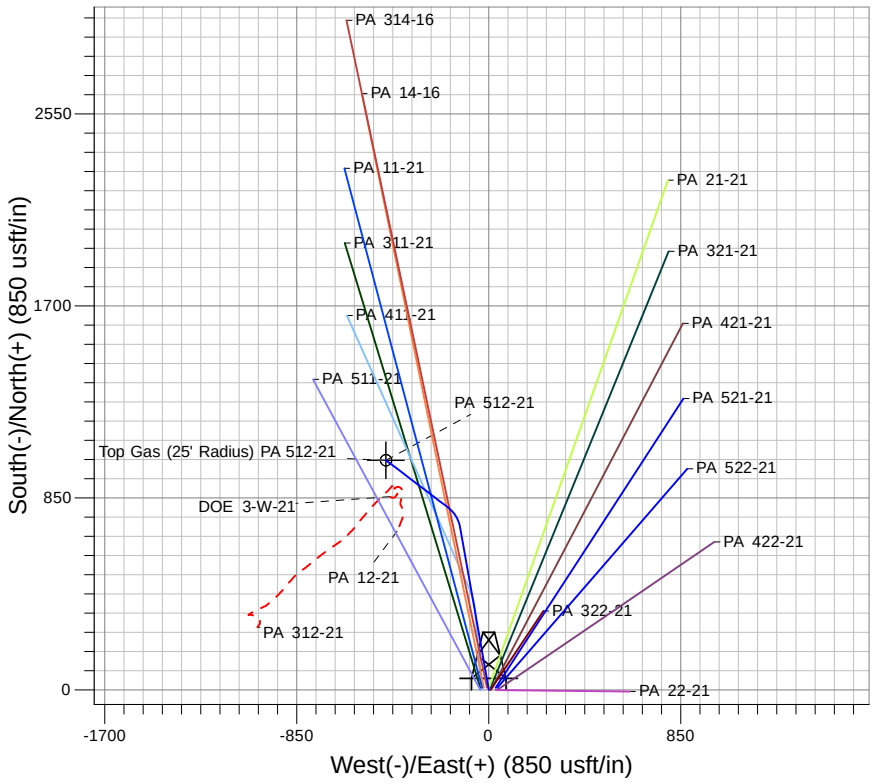
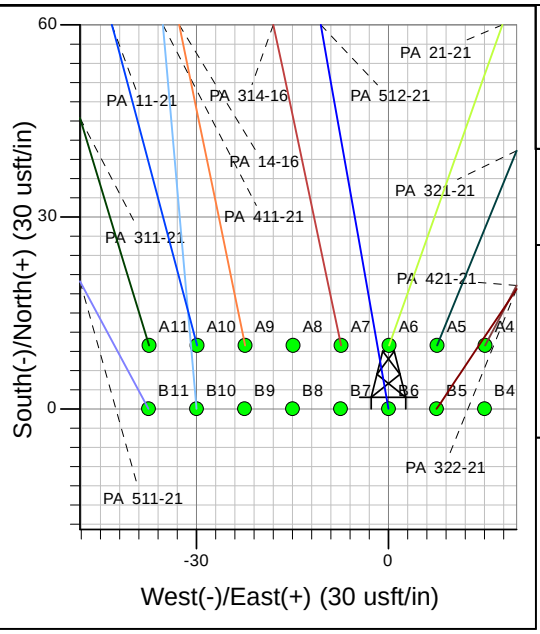
Well Name: PA 512-21
Surface Location: PA 22-21 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 6023.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1620689.87	2292474.39	39° 30' 38.734 N	108° 0' 28.865 W	B6

KELLY BUSHING @ 6049.0usft (Nabors 577 (26' KB)JMS)







Project: PA 21-06S-095W
Site: PA 22-21 Pad
Well: PA 512-21
Design #1 18Mar10 kjs

Azimuths to True North
Magnetic North: 10.52°

Magnetic Field
Strength: 52381.8snT
Dip Angle: 65.78°
Date: 3/18/2010
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
150.0	150.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 2.00
775.4	780.5	12.61	350.00	68.1	-12.0	67.0	69.1	Hold 12.61 Inclination
3703.1	3780.5	12.61	350.00	713.0	-125.7	702.2	724.0	Start DLS 1.50 TFO -124.915
4264.8	4352.8	10.39	307.26	806.0	-177.8	808.3	833.3	Hold 10.39 Inclination
5826.0	5940.0	10.39	307.26	979.3	-405.6	1059.6	1119.6	Start Drop -1.50
6515.0	6632.8	0.00	0.00	1017.3	-455.5	1114.6	1182.3	Top Gas
8665.0	8782.8	0.00	0.00	1017.3	-455.5	1114.6	1182.3	TD at 8782.8