



+N/-S
0.0

+E/-W
0.0

Northing
1618331.20

Well Name: PA 33-20
Surface Location: DOE 1-W-20 Pad

North American Datum 1983, US State Plane 1983, Colorado Central Zone

Ground Elevation: 6230.0

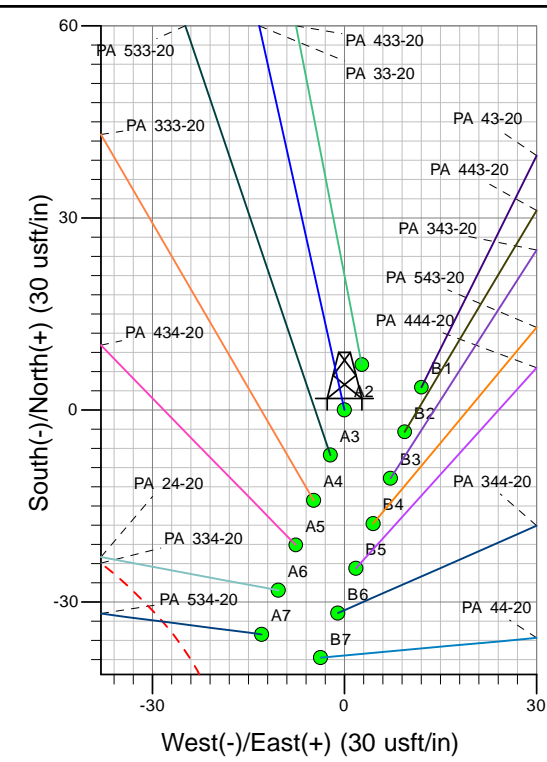
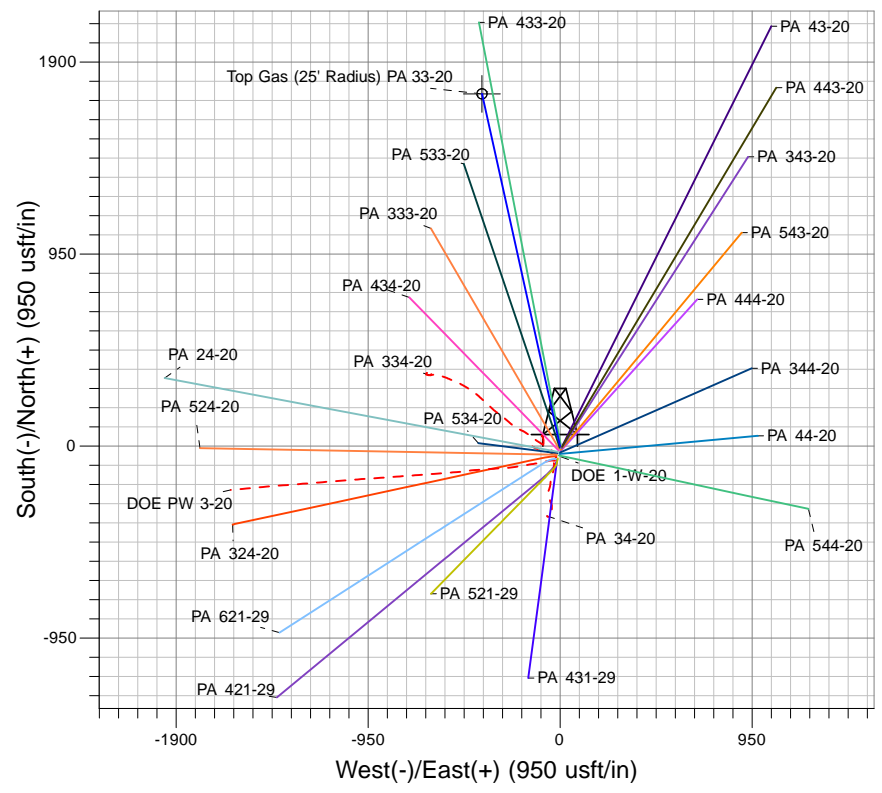
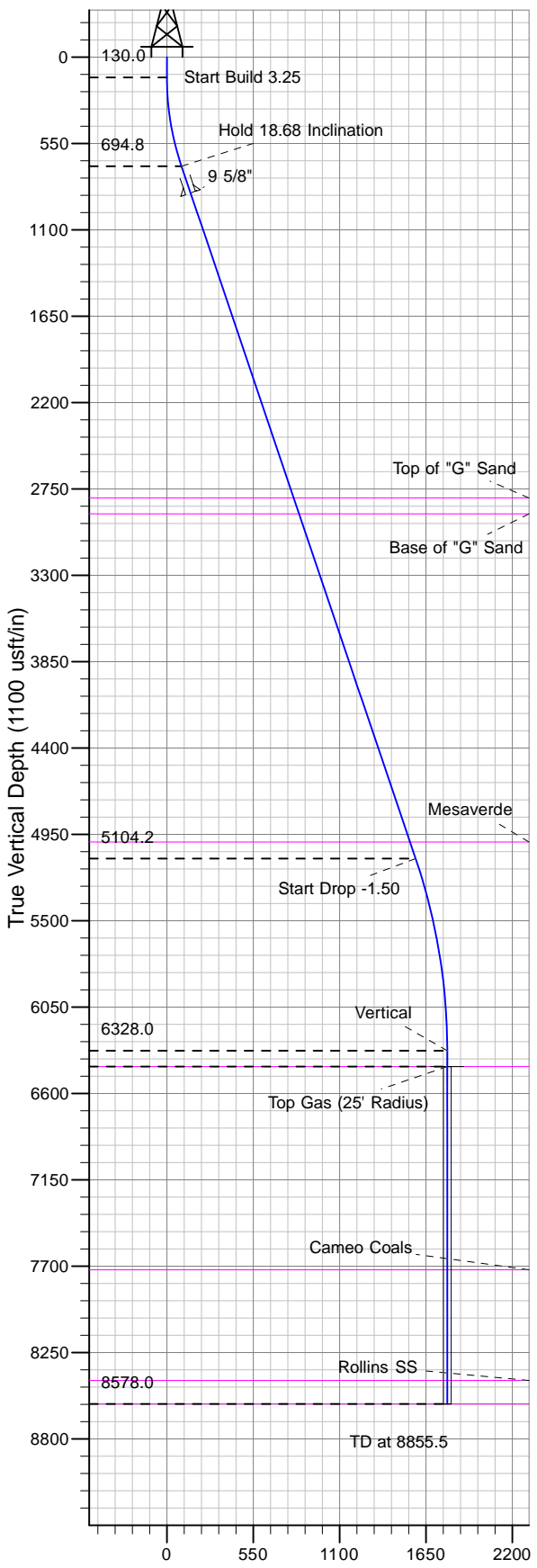
Easting
2289288.50

Latitude
39° 30' 14.560 N

Longitude
108° 1' 8.666 W

Slot
A2

KELLY BUSHING @ 6256.0usft (SSD 577 (26' RKB) kjs)



Project: PA 20-06S-095W
Site: DOE 1-W-20 Pad
Well: PA 33-20
Plan # 2 01Oct10 kjs

Azimuths to True North
Magnetic North: 10.51°
Magnetic Field
Strength: 52365.3snT
Dip Angle: 65.77°
Date: 4/22/2010
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSec	Departure	Annotation
130.0	130.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.25
694.8	704.9	18.69	347.49	90.7	-20.1	92.9	92.9	Hold 18.68 Inclination
5104.2	5359.7	18.69	347.49	1546.6	-343.3	1584.2	1584.2	Start Drop -1.50
6328.0	6605.5	0.00	0.00	1743.1	-386.9	1785.6	1785.6	Vertical
6428.0	6705.5	0.00	0.00	1743.1	-386.9	1785.6	1785.6	Top Gas
8578.0	8855.5	0.00	0.00	1743.1	-386.9	1785.6	1785.6	TD at 8855.5

Vertical Section at 347.49° (1100 usft/in)