



+N/-S
0.0

+E/-W
0.0

Northing
1618283.00

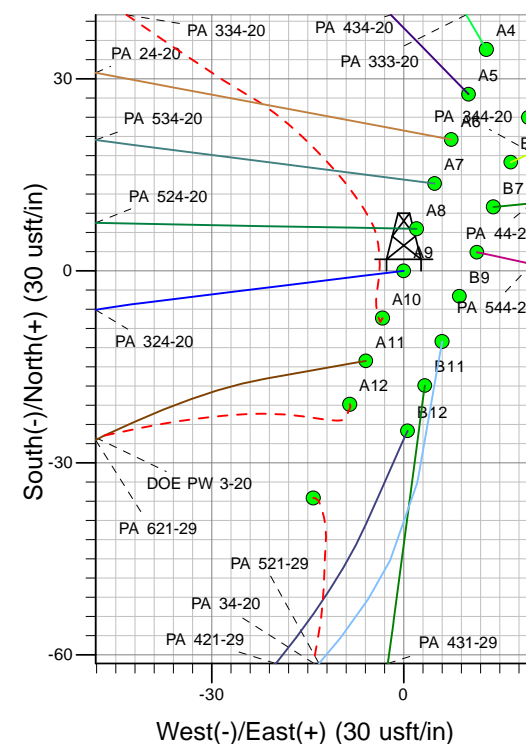
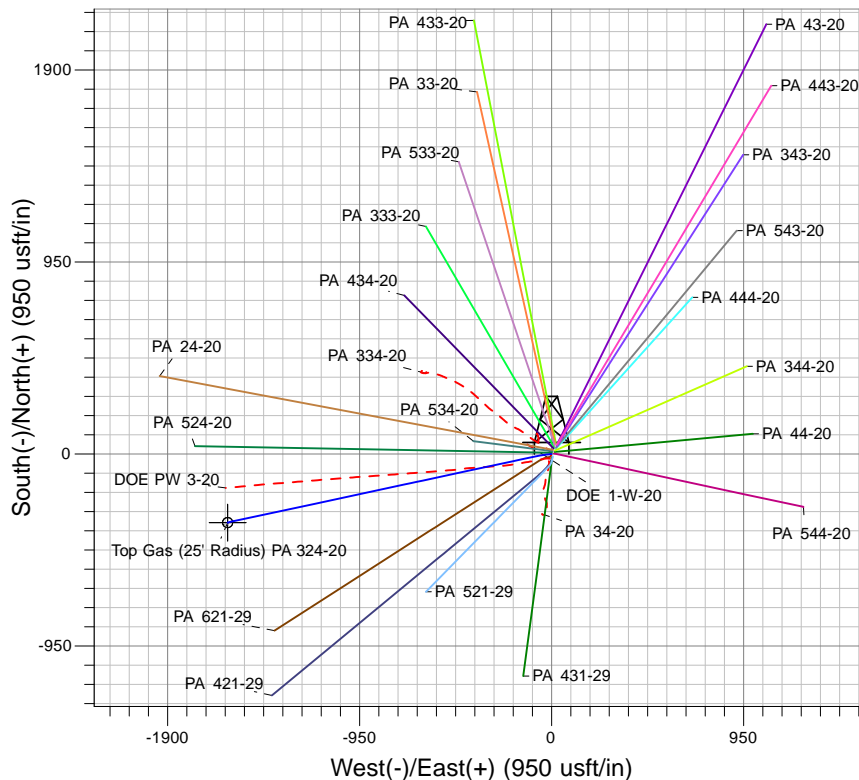
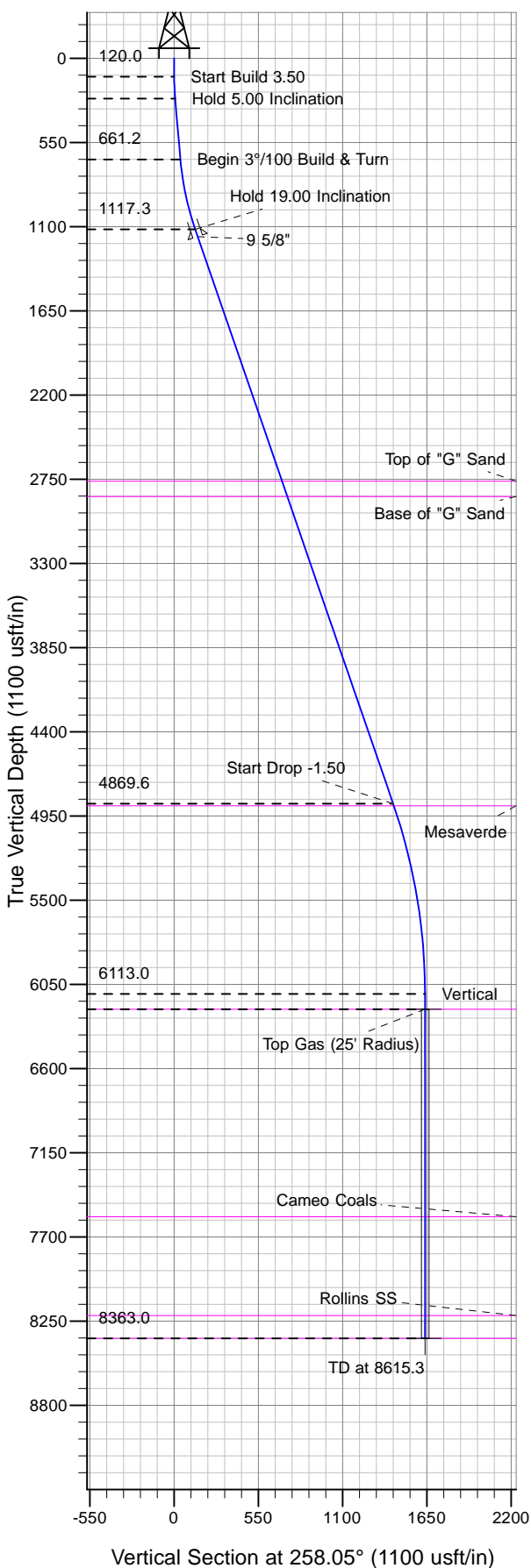
Easting
2289269.40

Latitude
39° 30' 14.078 N

Longitude
108° 1' 8.892 W

Slot
A9

Well Name: PA 324-20
Surface Location: DOE 1-W-20 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6230.0
KELLY BUSHING @ 6256.0usft (SSD 577 (26' RKB) kjs)



Project: PA 20-06S-095W
Site: DOE 1-W-20 Pad
Well: PA 324-20
Plan #2 30Sep10 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
262.7	262.9	5.00	263.00	-0.8	-6.2	6.2	6.2	Hold 5.00 Inclination
661.2	662.9	5.00	263.00	-5.0	-40.8	40.9	41.1	Begin 3°/100 Build & Turn
1117.3	1130.3	19.00	257.86	-23.6	-135.9	137.8	138.0	Hold 19.00 Inclination
4869.6	5098.8	19.00	257.86	-295.2	-1398.8	1429.6	1429.8	Start Drop -1.50
6113.0	6365.3	0.00	0.00	-339.0	-1602.2	1637.6	1637.8	Vertical
6213.0	6465.3	0.33	58.38	-338.9	-1602.0	1637.5	1637.8	Top Gas
8363.0	8615.3	0.04	238.38	-339.4	-1602.8	1638.3	1638.6	TD at 8615.3