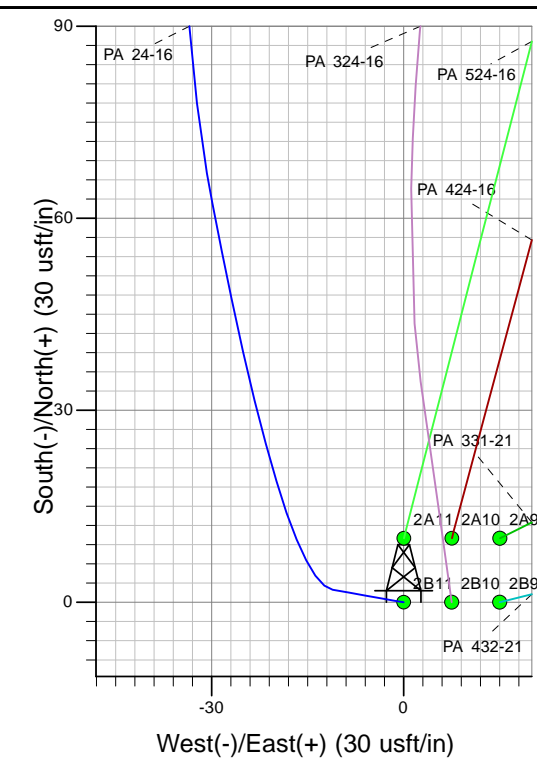
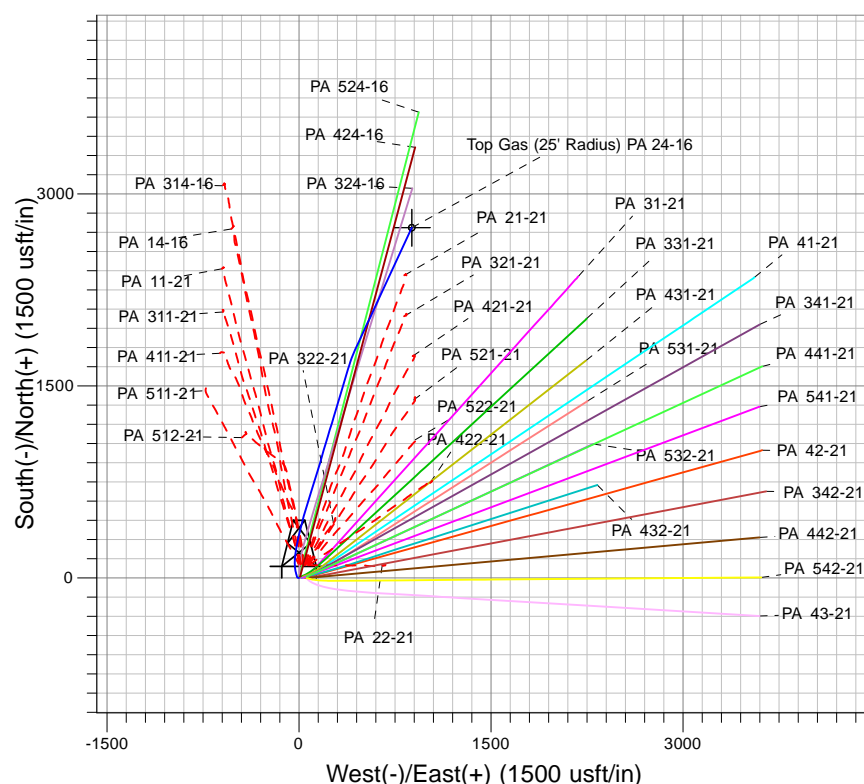
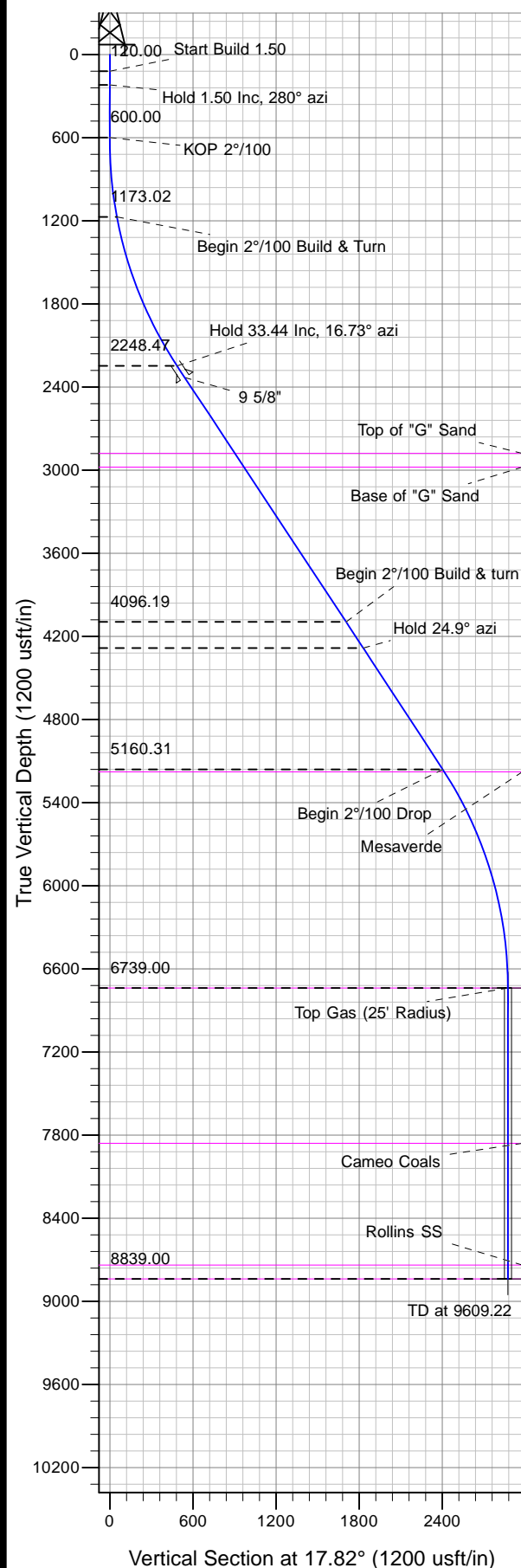




Well Name: PA 24-16
Surface Location: PA 22-21 Pad
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
Ground Elevation: 6030.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1620591.40	2292434.20	39.51049	-108.00815	2B11

KELLY BUSHING @ 6056.00usft (Nabors 26')



Project: PA 21-06S-095W
Site: PA 22-21 Pad
Well: PA 24-16
Design #3 15Nov12 kjs

Azimuths to True North
Magnetic North: 10.23°
Magnetic Field
Strength: 52157.3snT
Dip Angle: 65.72°
Date: 6/6/2012
Model: IGRF2010

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	Start Build 1.50
220.00	1.50	280.00	219.99	0.23	-1.29	-0.18	1.31	Hold 1.50 Inc, 280° azi
600.14	1.50	280.00	600.00	1.96	-11.09	-1.53	11.26	KOP 2°/100
1177.63	12.00	349.13	1173.02	62.43	-29.92	50.28	75.73	Begin 2°/100 Build & Turn
2347.74	33.44	16.73	2248.47	496.74	40.93	485.43	518.91	Hold 33.44 Inc, 16.73° azi
4562.10	33.44	16.73	4096.19	1665.48	392.17	1705.59	1739.29	Begin 2°/100 Build & turn
4787.43	33.44	24.91	4284.31	1781.31	436.22	1829.34	1863.34	Hold 24.9° azi
5837.21	33.44	24.91	5160.31	2306.00	679.87	2403.42	2441.84	Begin 2°/100 Drop
7509.22	0.00	226.65	6739.00	2736.11	879.61	2874.02	2916.07	Top Gas
9609.22	0.00	226.65	8839.00	2736.11	879.60	2874.02	2916.07	TD at 9609.22