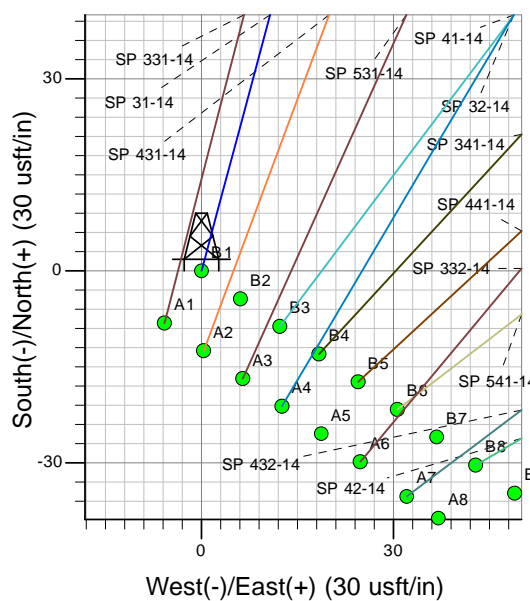
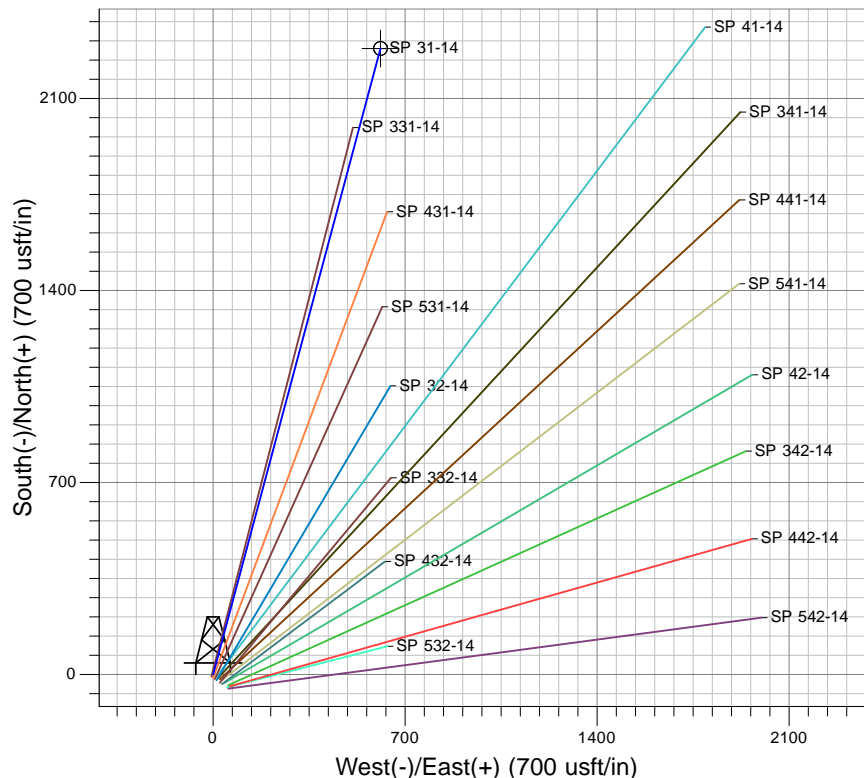
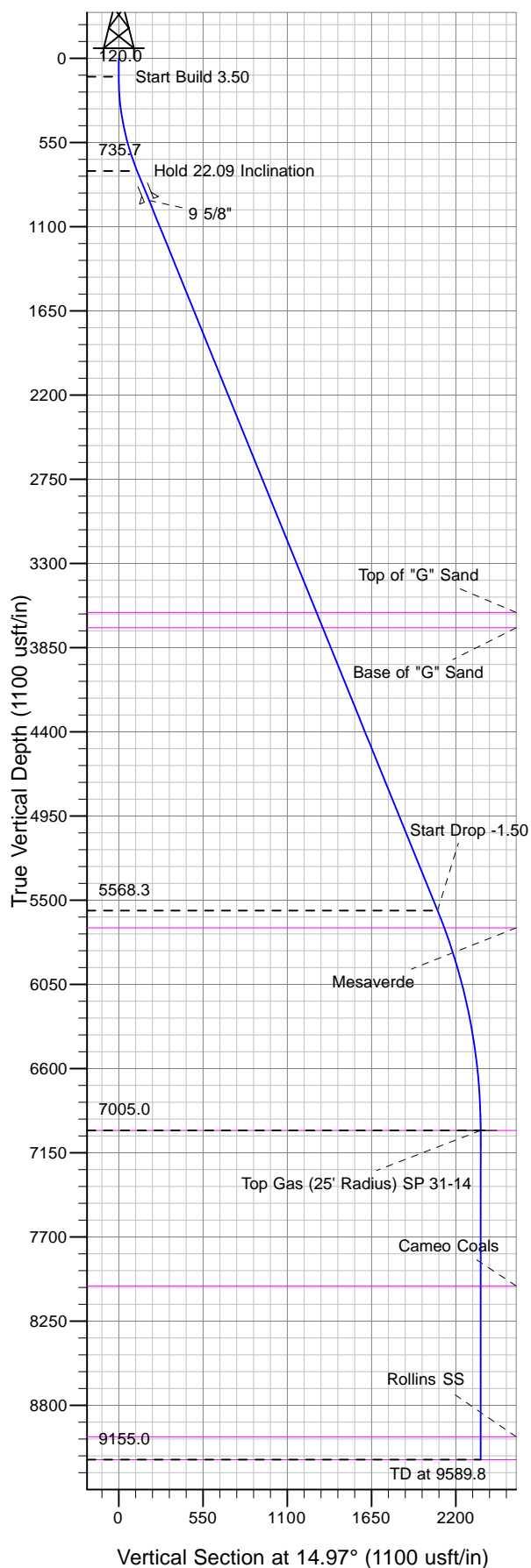




Well Name: SP 31-14  
Surface Location: SP 32-14 Pad  
North American Datum 1983 , US State Plane 1983, Colorado Central Zone  
Ground Elevation: 7639.0  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.0 0.0 1593927.80 2303861.70 39° 26' 17.406 N 107° 57' 54.357 W B1  
WELL @ 7662.0usft (Cyclone 30 23'KB JMS)



Project: PA 14-07S-095W  
Site: SP 32-14 Pad  
Well: SP 31-14  
Design #1 25Jan10 kjs



Azimuths to True North  
Magnetic North: 10.49°  
Magnetic Field  
Strength: 52377.4snT  
Dip Angle: 65.75°  
Date: 1/25/2010  
Model: IGRF2005-10

#### ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	Start Build 3.50
735.7	751.3	22.09	14.97	116.1	31.1	120.2	120.2	Hold 22.09 Inclination
5568.3	5966.8	22.09	14.97	2011.3	537.8	2082.0	2082.0	Start Drop -1.50
7005.0	7439.8	0.00	0.00	2282.3	610.2	2362.5	2362.5	Top Gas
9155.0	9589.8	0.00	0.00	2282.3	610.2	2362.5	2362.5	TD at 9589.8