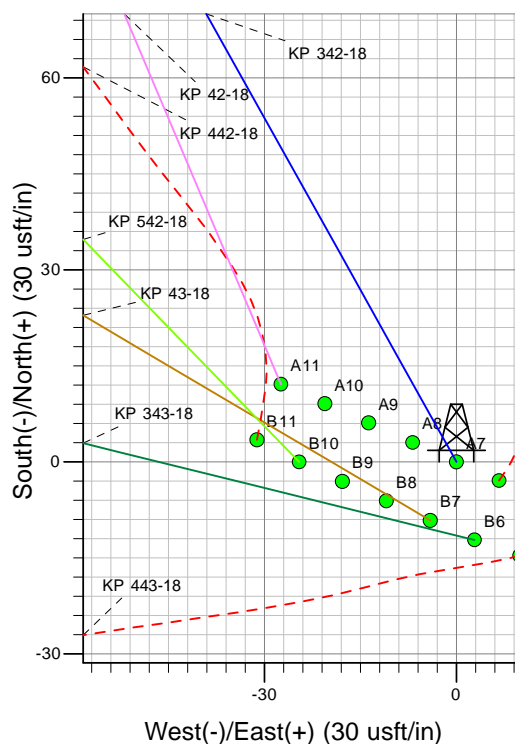
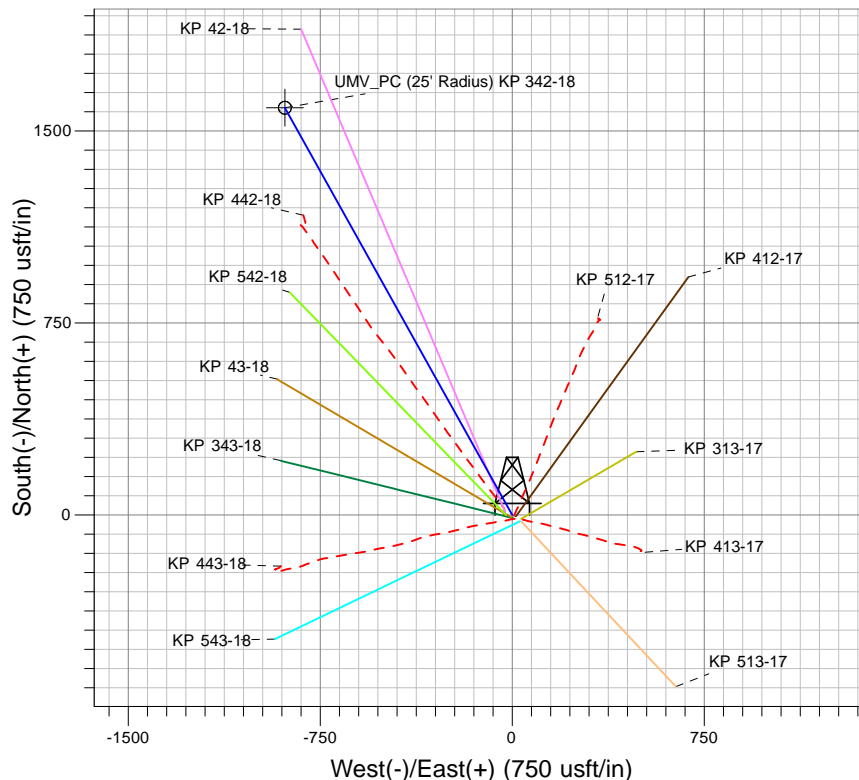
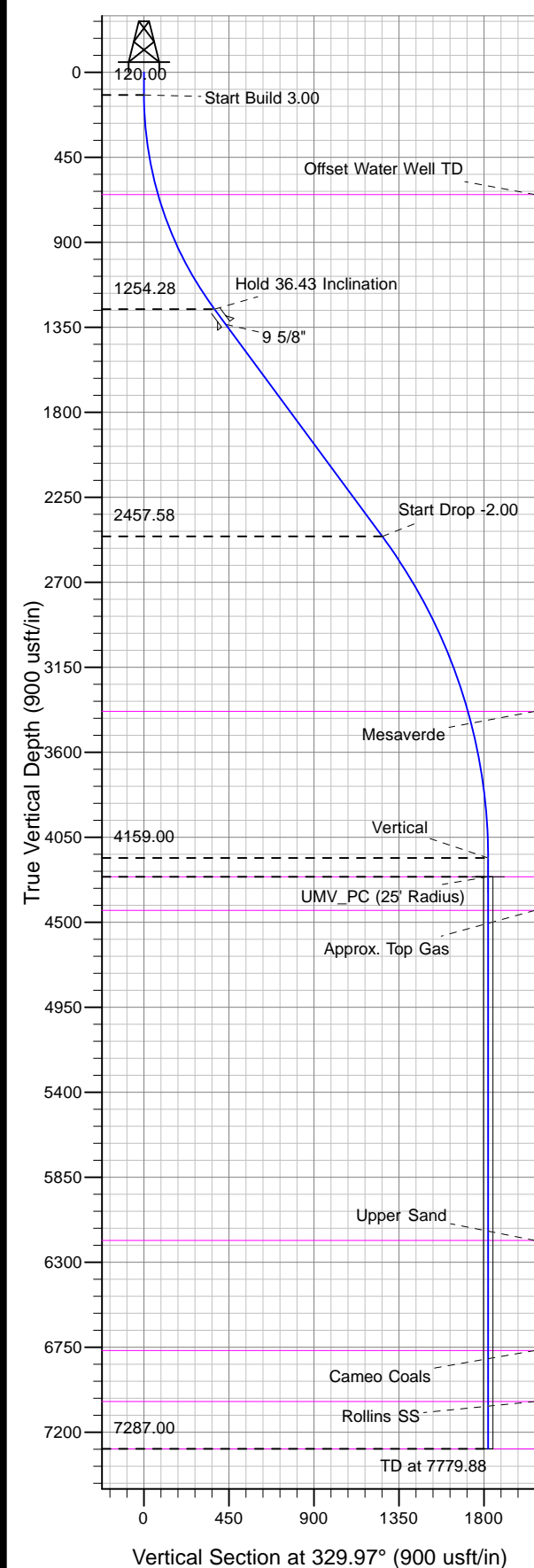




Well Name: KP 342-18
Surface Location: KP 13-17 Pad
North American Datum 1983 , US State Plane 1983, Colorado Central Zone
Ground Elevation: 6202.00

+N/-S 0.00 +E/-W 0.00 Northing 1623244.94 Easting 2411327.59 Latitude 39° 31' 33.685 N Longitude 107° 35' 13.494 W Slot A7
KELLY BUSHING @ 6228.00usft (Nabors 573)



Project: Sec. 17-T6S-R91W
Site: KP 13-17 Pad
Well: KP 342-18
Design #1 04Jun10 kjs

Azimuths to True North
Magnetic North: 10.30°
Magnetic Field
Strength: 52422.4snT
Dip Angle: 65.87°
Date: 6/4/2010
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 3.00
1334.49	36.43	330.83	1254.28	325.96	-181.98	373.27	373.31	Hold 36.43 Inclination
2830.14	36.43	330.83	2457.58	1101.55	-614.99	1261.45	1261.59	Start Drop -2.00
4651.88	0.00	0.00	4159.00	1590.48	-887.96	1821.36	1821.56	Vertical
4751.88	0.00	0.00	4259.00	1590.48	-887.96	1821.36	1821.56	UMW_PC
7779.88	0.00	0.00	7287.00	1590.48	-887.96	1821.36	1821.56	TD at 7779.88