

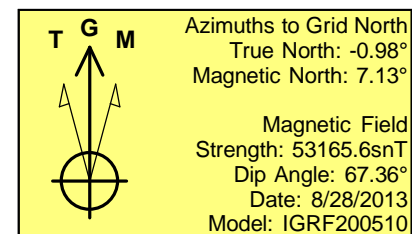
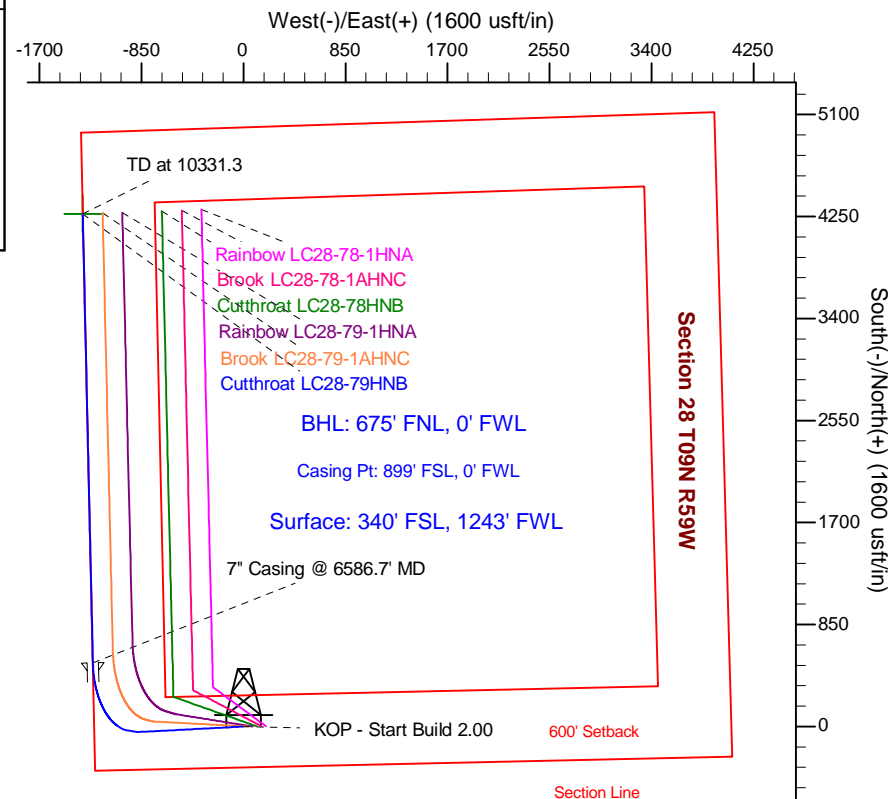
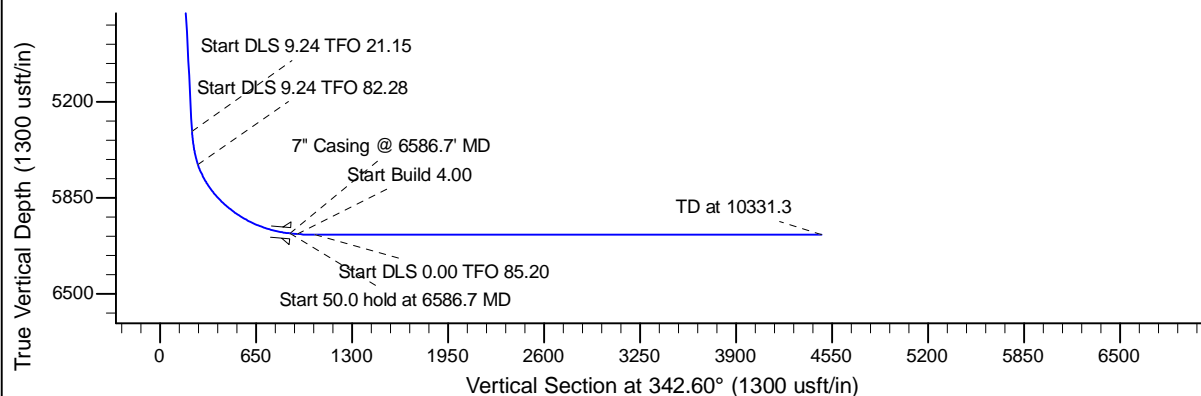
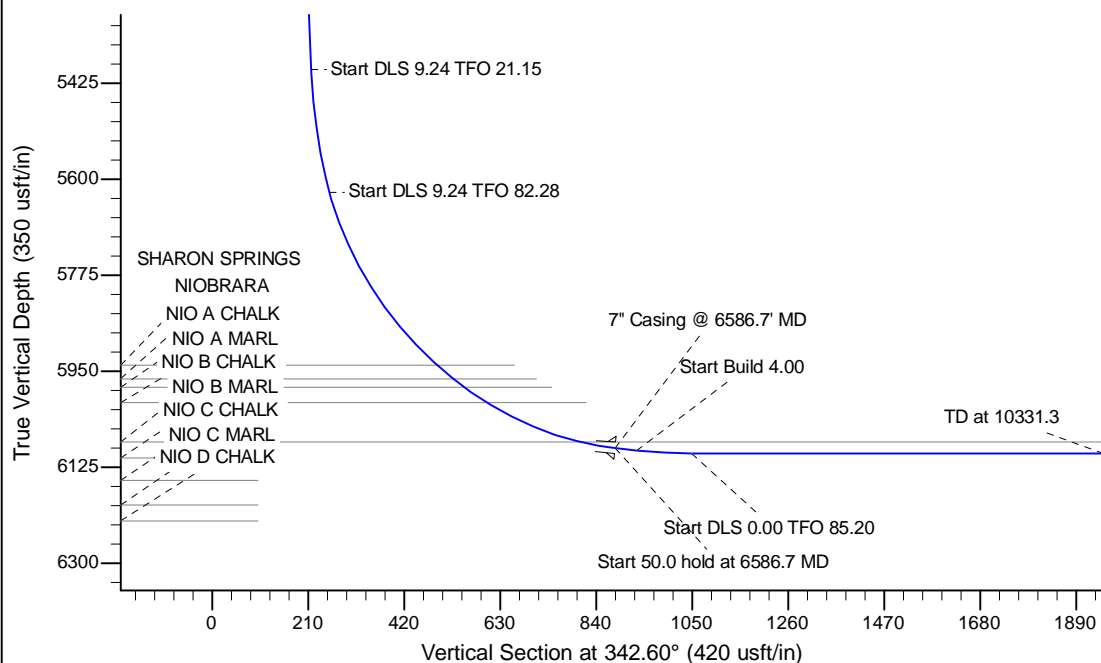
Project: Wattenberg Field
Site: LC (Sec.28-T09N-R59W) Weld County, CO
Well: Cutthroat LC28-79HNB
Wellbore: Original Drilling
Design: APD - Rev 1

Northern Region Drilling - Working

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1600.0	12.00	267.00	1595.6	-3.3	-62.5	2.00	267.00	15.6	
4	5489.4	12.00	267.00	5400.0	-45.6	-870.1	0.00	0.00	216.7	
5	5734.0	34.06	281.34	5623.9	-33.3	-963.8	9.24	21.15	256.5	
6	6586.7	85.00	358.70	6090.2	530.0	-1255.0	9.24	82.28	881.1	
7	6636.7	85.00	358.70	6094.6	579.8	-1256.1	0.00	0.00	929.0	
8	6761.7	90.00	358.70	6100.0	704.6	-1259.0	4.00	0.00	1048.9	
9	10331.3	90.00	358.71	6100.0	4273.3	-1339.7	0.00	85.20	4478.4	Cutthroat LC28-79HNB BHL 675'FNL, 0'FWL



WELL DETAILS: Cutthroat LC28-79HNB

Ground Level: 4854.0		Latitude		Longitude	
0.0	0.0	1506888.62	3419155.61	40.714990	-103.987910

Plan: APD - Rev 1 (Cutthroat LC28-79HNB/Original Drilling)

Created By: Shailey Jewell Date: 11:22, January 14 2014

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____