

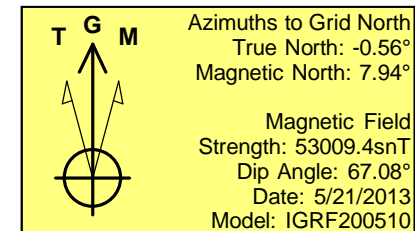
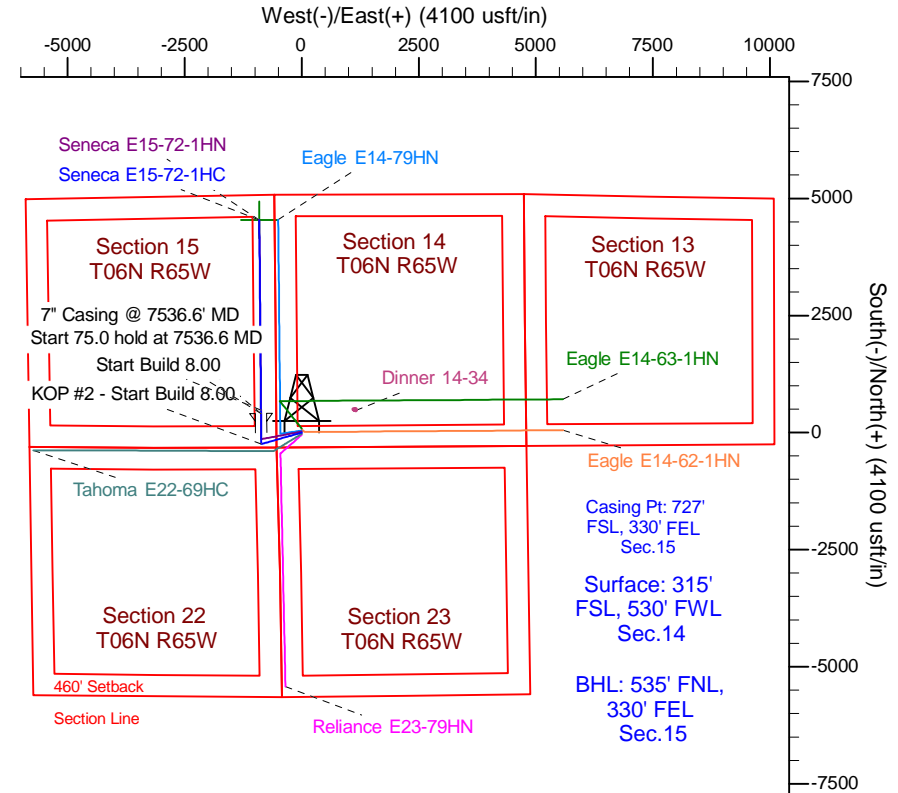
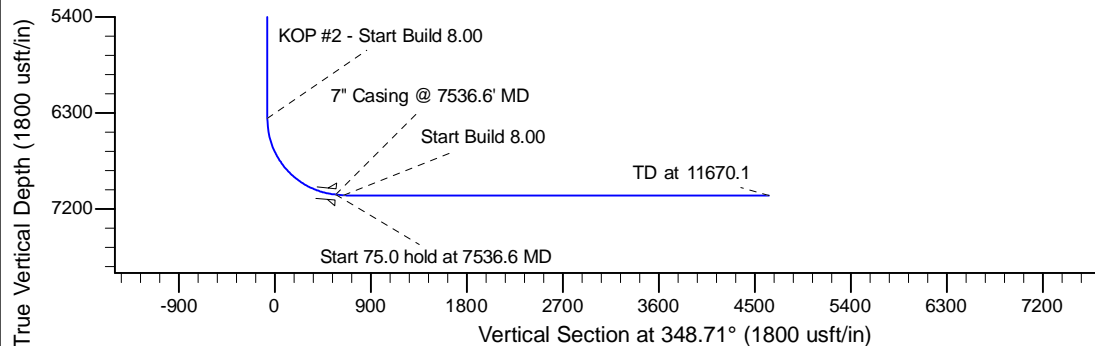
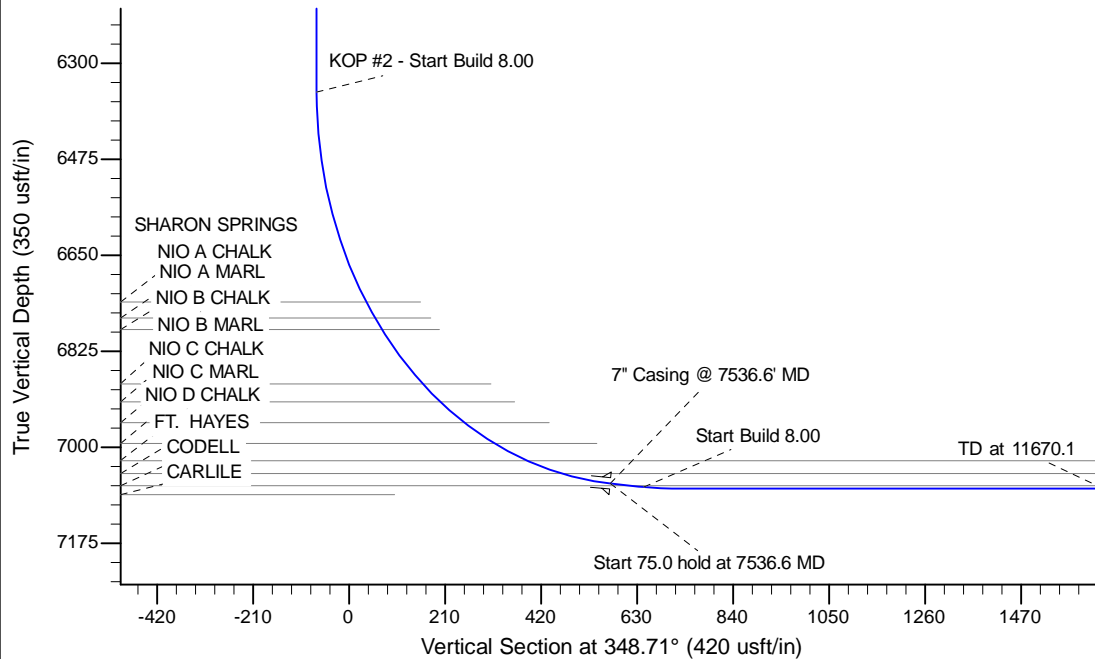
Project: Wattenberg Field
Site: E (Sec.14-T06N-R65W) Weld County, CO
Well: Seneca E15-72-1HC
Wellbore: Original Drilling
Design: APD - Rev 0

Northern Region Drilling

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	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2350.7	17.01	254.19	2338.3	-34.2	-120.6	2.00	254.19	-9.9	
4	4566.2	17.01	254.19	4456.7	-210.8	-744.4	0.00	0.00	-61.1	
5	5416.9	0.00	0.00	5295.0	-245.0	-865.0	2.00	180.00	-71.0	
6	6474.1	0.00	0.00	6352.3	-245.0	-865.0	0.00	0.00	-71.0	
7	7536.6	85.00	359.50	7065.7	408.8	-870.7	8.00	359.50	571.2	
8	7611.6	85.00	359.50	7072.3	483.5	-871.3	0.00	0.00	644.6	
9	7674.1	90.00	359.50	7075.0	545.9	-871.8	8.00	0.00	706.0	
10	11670.1	90.00	359.50	7075.0	4541.7	-906.4	0.00	0.00	4631.3	Seneca E15-72-1HC BHL 535'FNL, 330'FEL



WELL DETAILS: Seneca E15-72-1HC					
Ground Level:4738.0					
0.0	0.0	Northing	Easting	Latitude	Longitude
		1418749.25	3239745.51	40.479670	-104.638160
Plan: APD - Rev 0 (Seneca E15-72-1HC/Original Drilling)					
Created By: Shailey Jewell			Date: 9:22, May 24 2013		
OK to submit with 2A as per Noble Drilling 5/24/2013 9:40					