

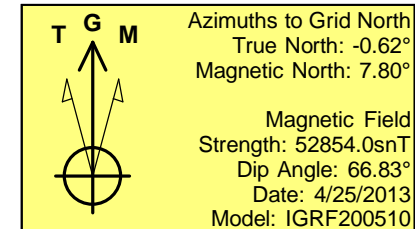
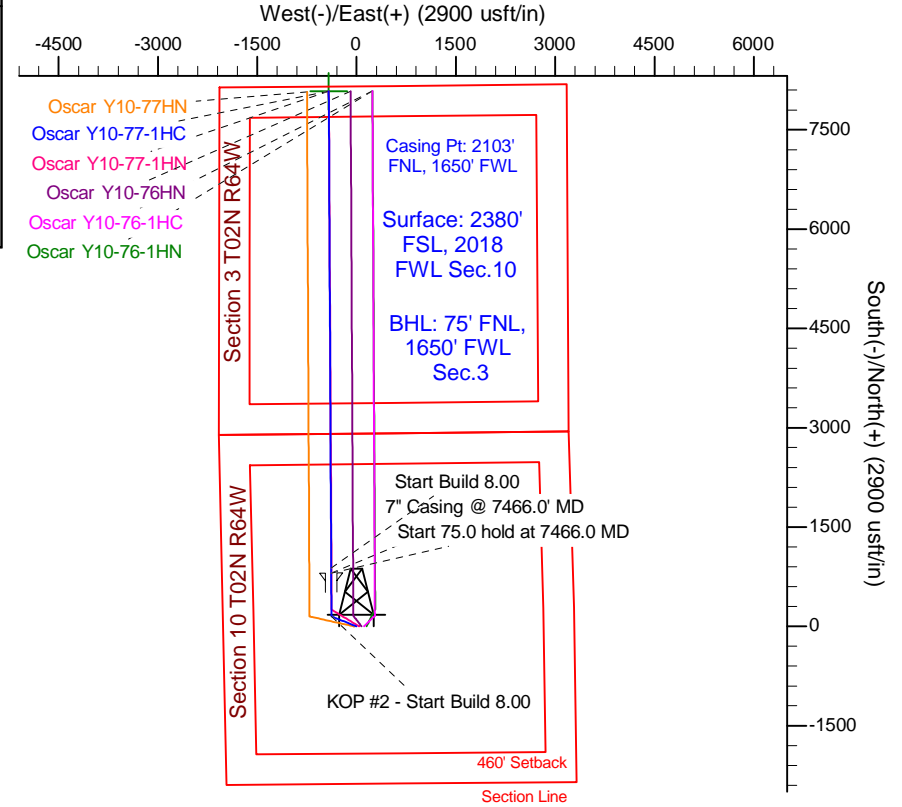
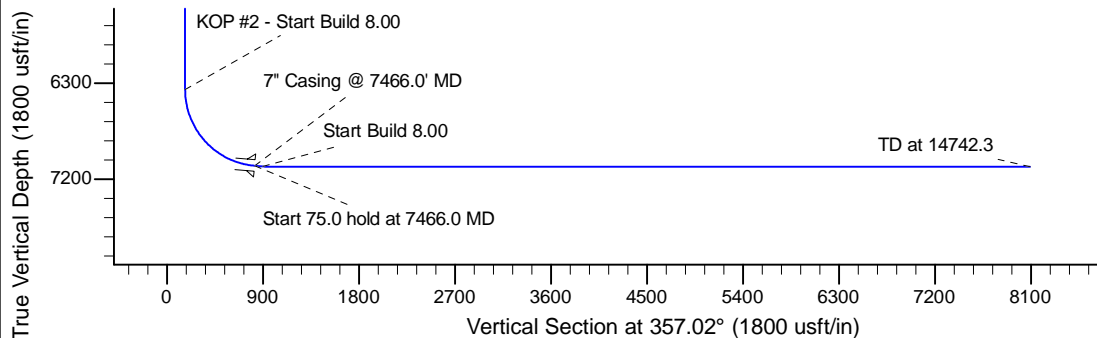
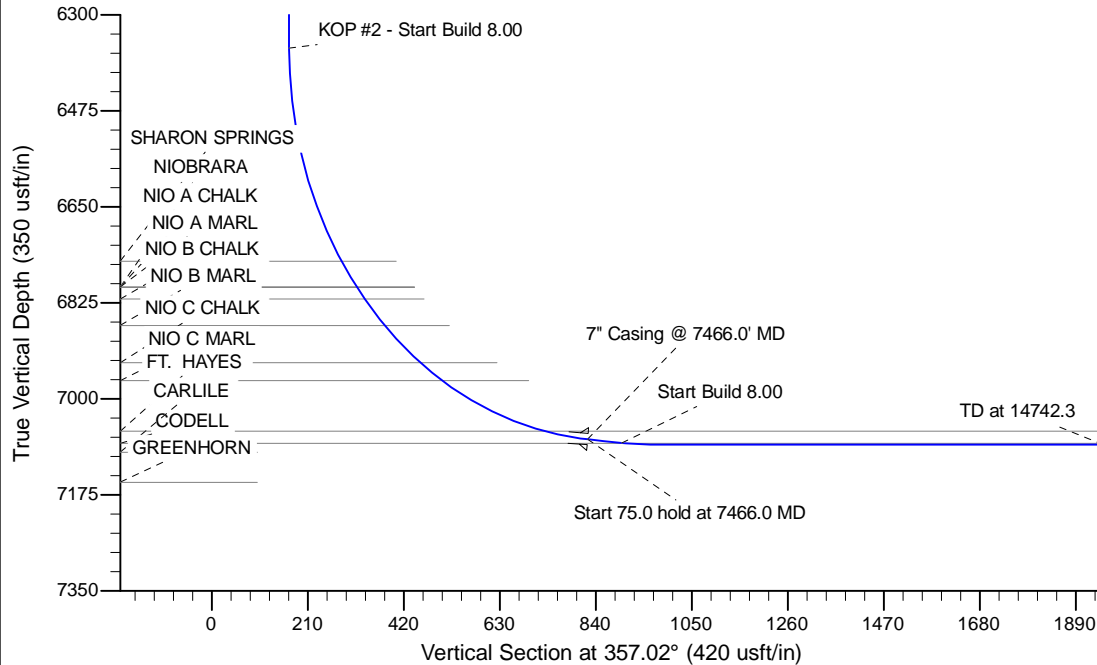
Project: Wattenberg Field
Site: Y (Sec.10-T02N-R64W) Weld County, CO
Well: Oscar Y10-77-1HC
Wellbore: Original Drilling
Design: APD - Rev 0

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	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1901.4	14.03	291.54	1894.5	31.4	-79.5	2.00	291.54	35.5	
4	2881.8	14.03	291.54	2845.5	118.6	-300.5	0.00	0.00	134.1	
5	3583.2	0.00	0.00	3540.0	150.0	-380.0	2.00	180.00	169.5	
6	6403.5	0.00	0.00	6360.3	150.0	-380.0	0.00	0.00	169.5	
7	7466.0	85.00	359.71	7073.7	803.8	-383.3	8.00	359.71	822.6	
8	7541.0	85.00	359.71	7080.3	878.5	-383.7	0.00	0.00	897.2	
9	7603.5	90.00	359.71	7083.0	940.9	-384.0	8.00	0.00	959.6	
10	14742.3	90.00	359.71	7083.0	8079.7	-420.1	0.00	0.00	8090.6	Oscar Y10-77-1HC BHL 75'FNL, 1650'FWL



WELL DETAILS: Oscar Y10-77-1HC				
Ground Level: 4929.0				
	Northing	Easting	Latitude	Longitude
0.0	0.0	1299757.34	3268380.95	40.152240 -104.539860

Plan: APD - Rev 0 (Oscar Y10-77-1HC/Original Drilling)

Created By: -Shailey Jewell Date: 16:24, April 25 2013

OK to submit with 2A as per Noble Drilling
5/2/13 1:42