

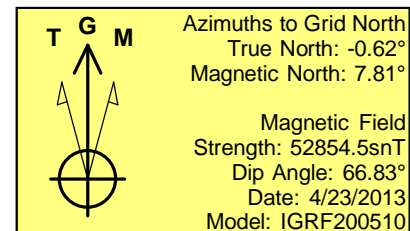
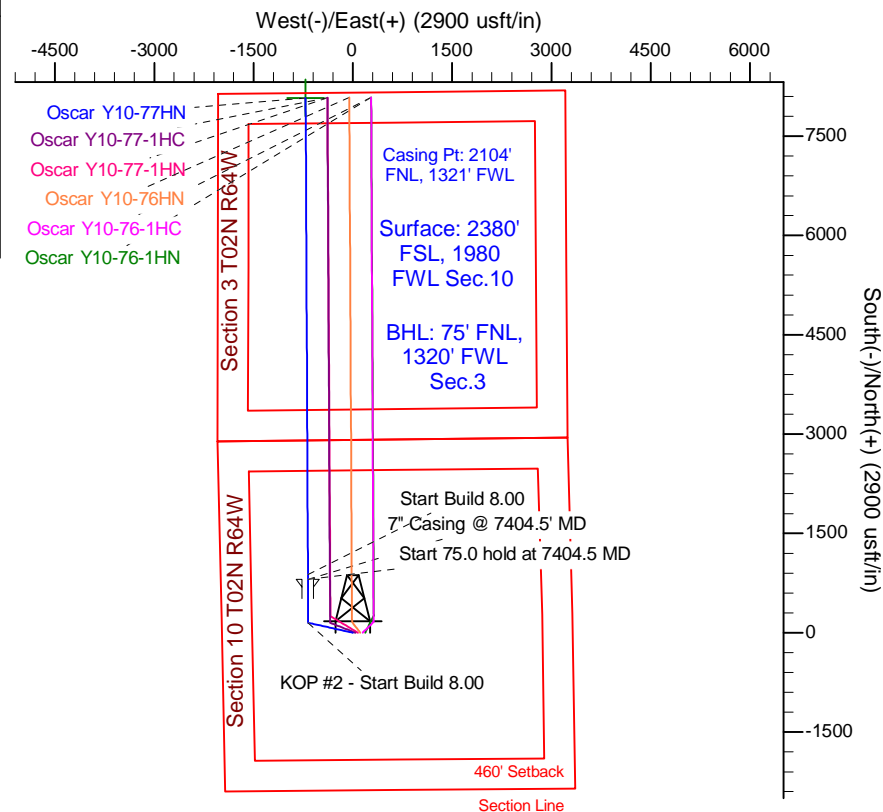
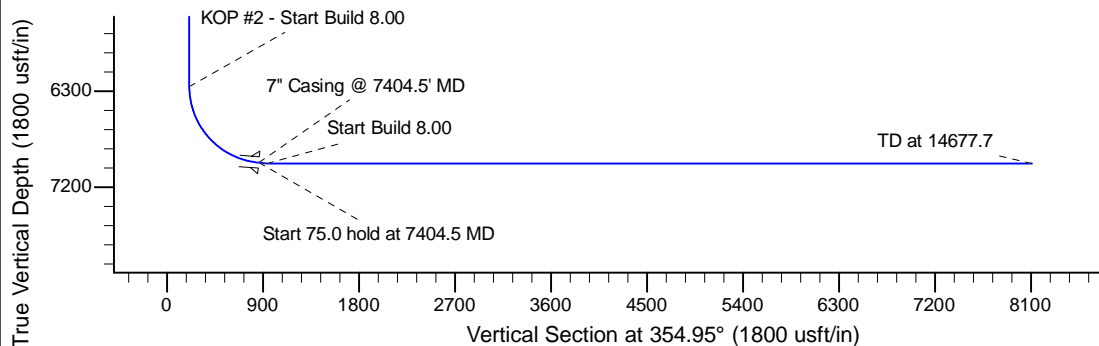
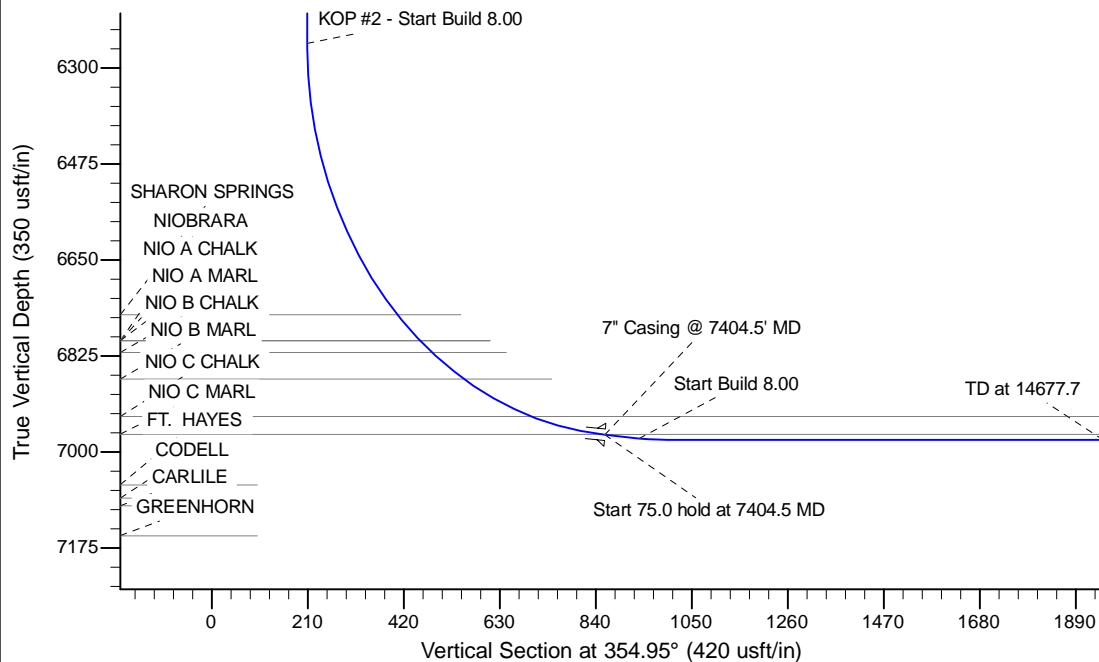
Project: Wattenberg Field
Site: Y (Sec.10-T02N-R64W) Weld County, CO
Well: Oscar Y10-77HN
Wellbore: Original Drilling
Design: APD - Rev 0

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	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1800.8	16.02	282.53	1790.4	24.1	-108.5	2.00	282.53	33.6	
4	3501.0	16.02	282.53	3424.6	125.9	-566.5	0.00	0.00	175.2	
5	4301.8	0.00	0.00	4215.0	150.0	-675.0	2.00	180.00	208.8	
6	6342.0	0.00	0.00	6255.3	150.0	-675.0	0.00	0.00	208.8	
7	7404.5	85.00	359.72	6968.7	803.8	-678.2	8.00	359.72	860.3	
8	7479.5	85.00	359.72	6975.3	878.5	-678.5	0.00	0.00	934.8	
9	7542.0	90.00	359.72	6978.0	940.9	-678.8	8.00	0.00	997.0	
10	14677.7	90.00	359.72	6978.0	8076.5	-713.4	0.00	0.00	8108.0	Oscar Y10-77HN BHL 75'FNL, 1320'FWL



WELL DETAILS: Oscar Y10-77HN

Ground Level: 4930.0					
	Northing	Easting	Latitude	Longitude	
0.0	0.0	1299756.94	3268344.61	40.152240	-104.539990

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

Created By: Shailey Jewell Date: 10:01, May 01 2013

OK to submit with 2A as per Noble Drilling
5/2/13 1:39