

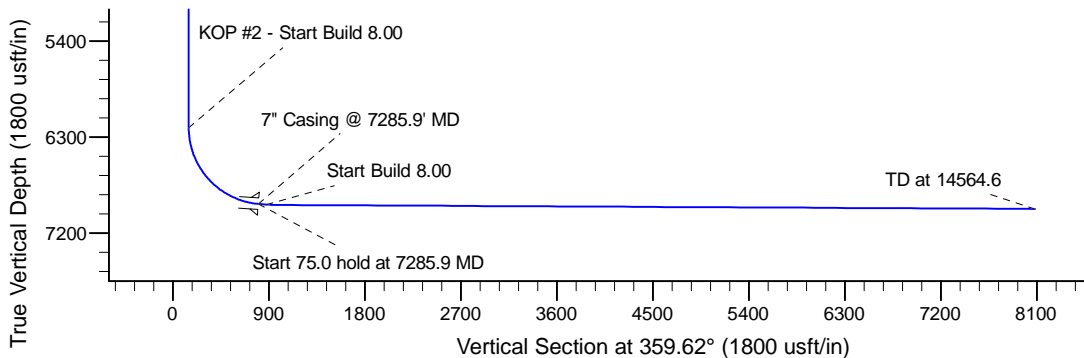
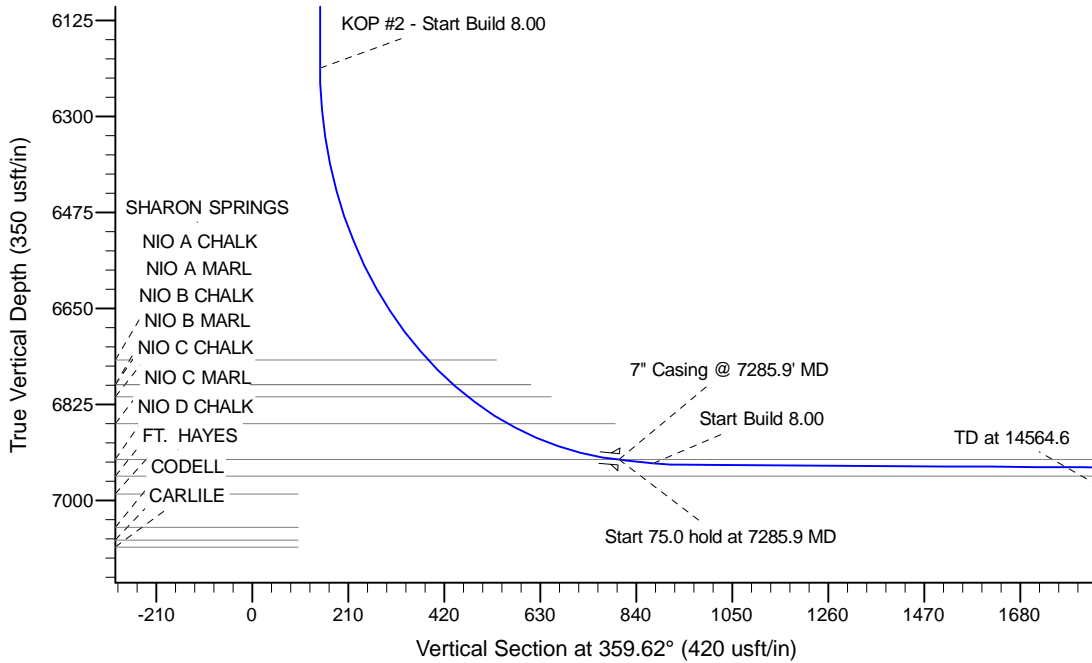
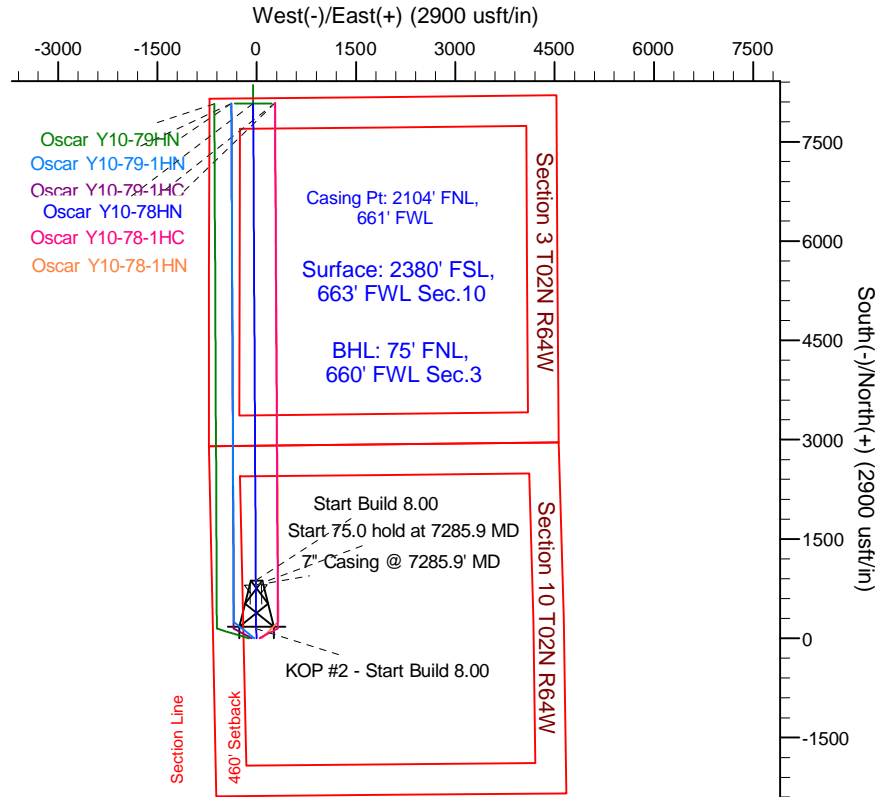
Project: Wattenberg Field
 Site: Y (Sec.10-T02N-R64W) Weld County, CO
 Well: Oscar Y10-78HN
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2400.4	12.01	356.13	2396.0	62.5	-4.2	2.00	356.13	62.6	
4	2510.8	12.01	356.13	2504.0	85.5	-5.8	0.00	0.00	85.5	
5	3111.2	0.00	0.00	3100.0	148.0	-10.0	2.00	180.00	148.1	
6	6223.4	0.00	0.00	6212.2	148.0	-10.0	0.00	0.00	148.1	
7	7285.9	85.00	359.69	6925.6	801.8	-13.6	8.00	359.69	801.8	
8	7360.9	85.00	359.69	6932.2	876.5	-14.0	0.00	0.00	876.6	
9	7419.6	89.70	359.69	6934.9	935.2	-14.3	8.00	0.00	935.2	
10	14564.6	89.70	359.69	6972.3	8080.0	-53.5	0.00	0.00	8080.2	Oscar Y10-78HN BHL 75'FNL, 660'FWL



T G M

Azimuths to Grid North
 True North: -0.62°
 Magnetic North: 7.82°

Magnetic Field
 Strength: 52860.2snT
 Dip Angle: 66.84°
 Date: 4/1/2013
 Model: IGRF200510

WELL DETAILS: Oscar Y10-78HN			
Ground Level: 4943.0			
0.0	0.0	1299746.34	3267025.28
Northing		Easting	
Latitude		Longitude	
40.152250 -104.544710			
Plan: APD - Rev 0 (Oscar Y10-78HN/Original Drilling)			
Created By: Shailey Jewell		Date: 8:46, April 03 2013	
Checked: _____		Date: _____	
Reviewed: _____		Date: _____	
Approved: _____		Date: _____	