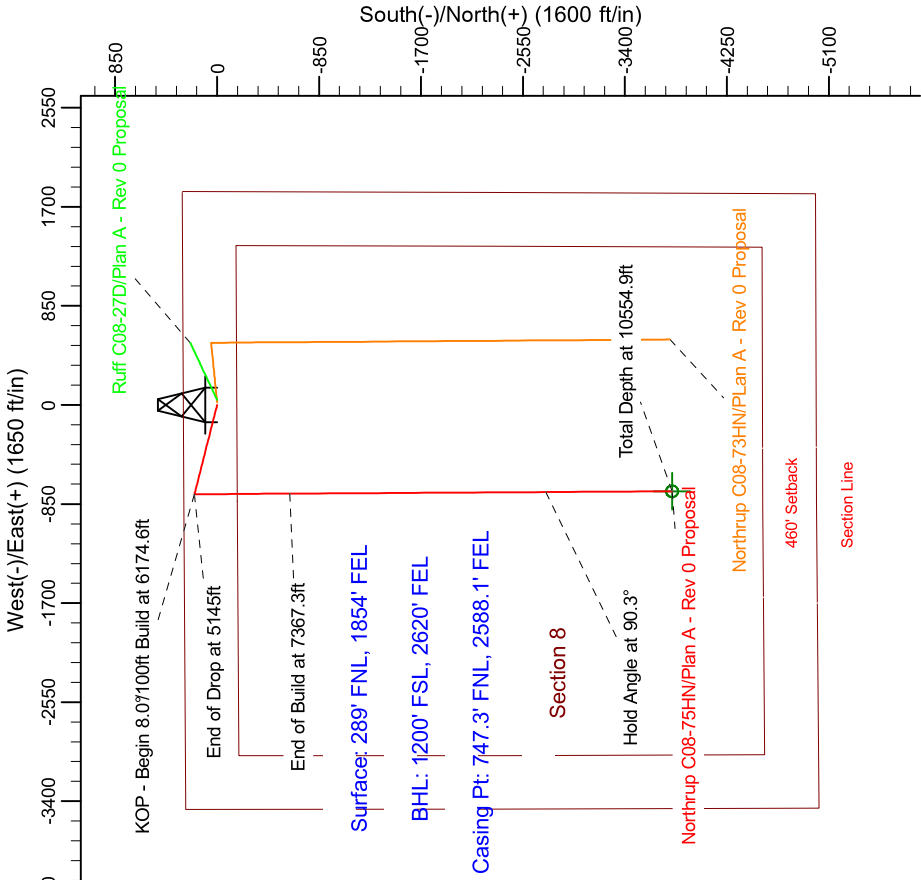
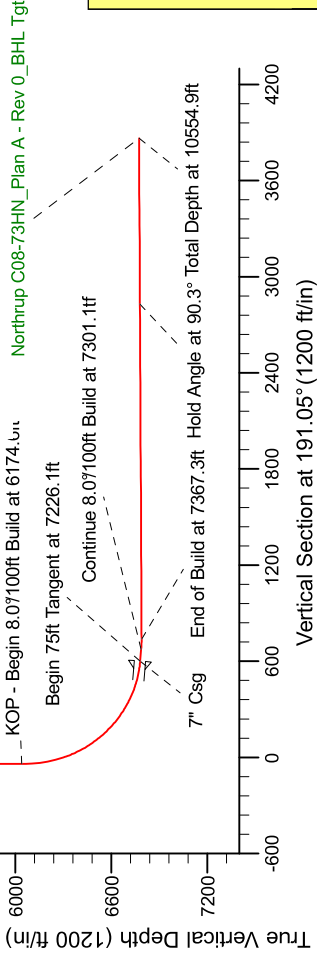
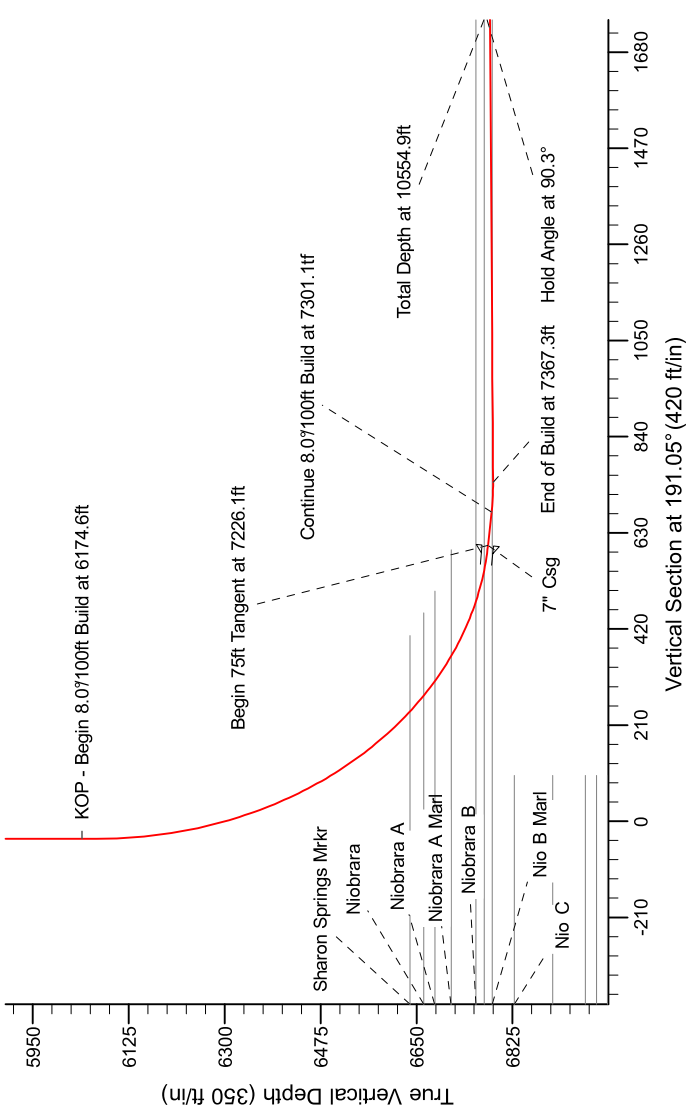


Project: Weld County Colorado (NAD 83)
Site: Sec. 8, T4N, R64W
Well: Northrup C08-75HN
Wellbore: Plan A - Rev 0 (PERMITTING PLAN ONLY)
Design: Plan A - Rev 0 Proposal

Noble Energy

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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2100.0	15.00	283.86	2093.2	18.7	-75.8	2.50	283.86	-3.8	
4	4545.0	15.00	283.86	4454.8	170.3	-690.2	0.00	0.00	-34.8	
5	5145.0	0.00	0.00	5048.0	189.0	-768.0	2.50	180.00	-38.6	
6	6163.6	0.00	0.00	6066.6	189.0	-766.0	0.00	0.00	-38.6	
7	7226.1	85.00	179.64	6780.1	-464.8	-761.9	8.00	179.64	602.2	
8	7301.1	85.00	179.64	6786.6	-539.5	-761.4	0.00	0.00	675.5	
9	7367.3	90.30	179.64	6789.4	-605.6	-761.0	8.00	0.00	740.3	
10	10554.9	90.30	179.64	6772.7	-3793.1	-741.1	0.00	91.45	3864.8	Northrup C08-75HN_Plan A - Rev 0_BHL Tgt



TGM

Magnetic Model: IGRF200510

Date: 7/7/2011

Inclination: 8.10°

Dip Angle: 07.04°

Field Strength: 53133.2

Grid North is 0.00° East of True North (Grid Convergency)

Magnetic North is 8.10° East of True North (Magnetic Declination)

To convert from True North to a Grid Direction, add 0.00° East

To convert from Magnetic North to a Grid Direction, add 8.10° East

To convert from Magnetic Direction to a Grid Direction, add 8.10°

WELL DETAILS: Northrup C08-75HN (NAD83 Geodetic System)			
Ground Level:	4764.0	Longitude	104° 34' 17.904 W
Northing	416245.25	Latitude	40° 20' 0.024 N
Plan: Plan A - Rev 0 Proposal (Northrup C08-75HN/Plan A - Rev 0 (PERMITTING PLAN ONLY))			
Created By: Erasmo Mendoza		Date: 16:49, July 07, 2011	