

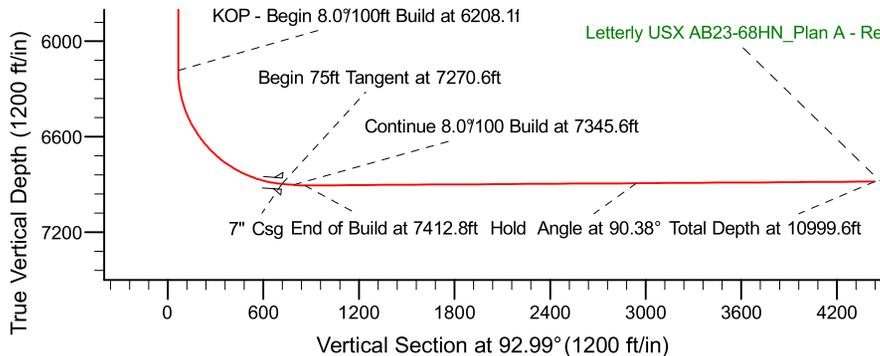
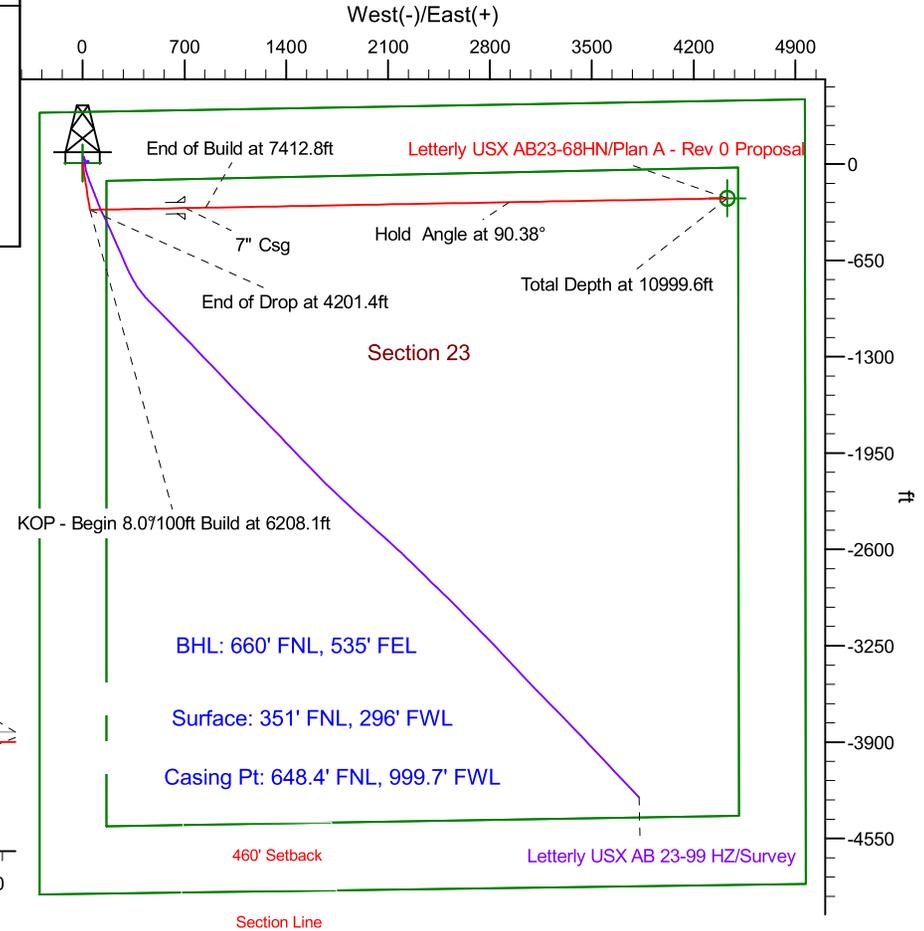
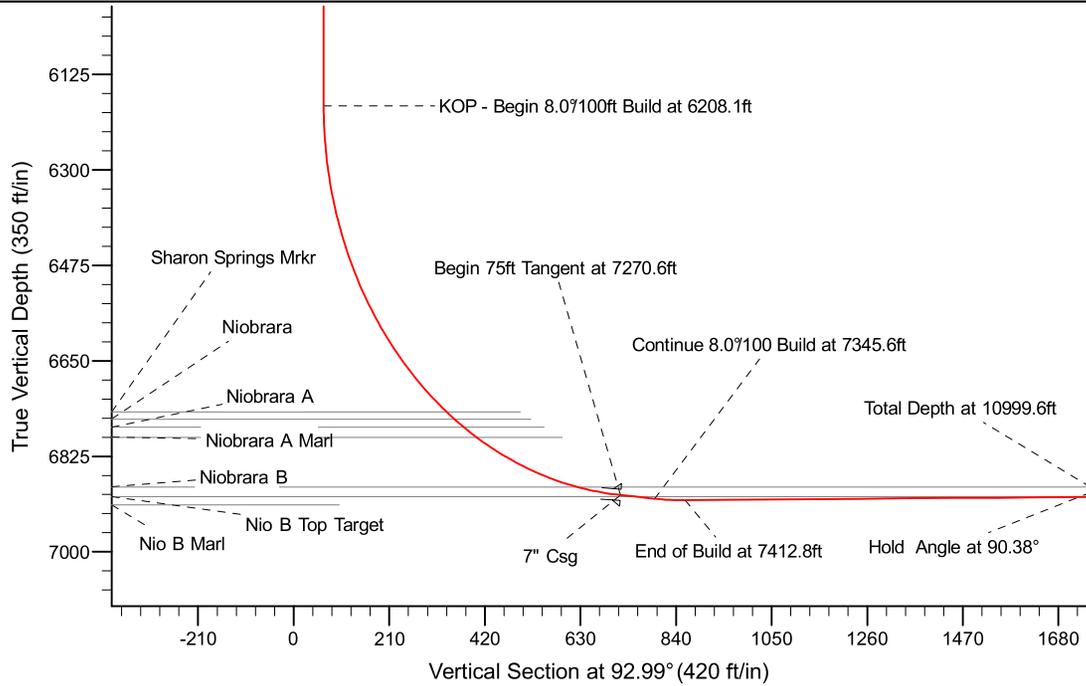
Project: Weld County Colorado (NAD 83)
 Site: Sec.23, T7N, R64W
 Well: Letterly USX AB23-68HN
 Wellbore: Plan A - Rev 0 (PERMITTING PLAN ONLY)
 Design: Plan A - Rev 0 Proposal

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	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2400.1	10.00	170.81	2398.0	-34.4	5.6	2.50	170.81	7.3	
4	3801.3	10.00	170.81	3778.0	-274.6	44.4	0.00	0.00	58.7	
5	4201.4	0.00	0.00	4176.0	-309.0	50.0	2.50	180.00	66.0	
6	6208.1	0.00	0.00	6182.7	-309.0	50.0	0.00	0.00	66.0	
7	7270.6	85.00	88.98	6896.2	-297.4	703.7	8.00	88.98	718.2	
8	7345.6	85.00	88.98	6902.8	-296.0	778.4	0.00	0.00	792.8	
9	7412.8	90.38	88.98	6905.5	-294.8	845.5	8.00	0.00	859.8	
10	10999.6	90.38	88.99	6881.6	-231.4	4431.6	0.00	73.77	4437.7	Letterly USX AB23-68HN_Plan A - Rev 0_BHL Tgt-



TGM

Magnetic Model: IGRF200510
 Date: 5/25/2011
 Inclination: 8.08°
 Dip Angle: 67.23°
 Field Strength: 53270.6

Grid North is 0.63' East of True North (Grid Convergence)
 Magnetic North is 0.71' East of True North (Magnetic Declination)
 Magnetic North is 6.08' East of Grid North (Magnetic Convergence)
 To convert a True Direction to a Grid Direction, Subtract 0.63'
 To convert a Magnetic Direction to a True Direction, Add 8.71' East
 To convert a Magnetic Direction to a Grid Direction, Add 8.08'

WELL DETAILS: Letterly USX AB23-68HN(NAD83 Geodetic System)			
Ground Level: 4827.0		Longitude	
Northing 442014.03	Easting 996968.23	Latitude 40° 33' 54.144 N	Longitude 104° 31' 29.928 W
Plan: Plan A - Rev 0 Proposal (Letterly USX AB23-68HN/Plan A - Rev 0 (PERMITTING PLAN ONLY))			
Created By: Erasmo Mendoza		Date: 13:36, June 01 2011	