

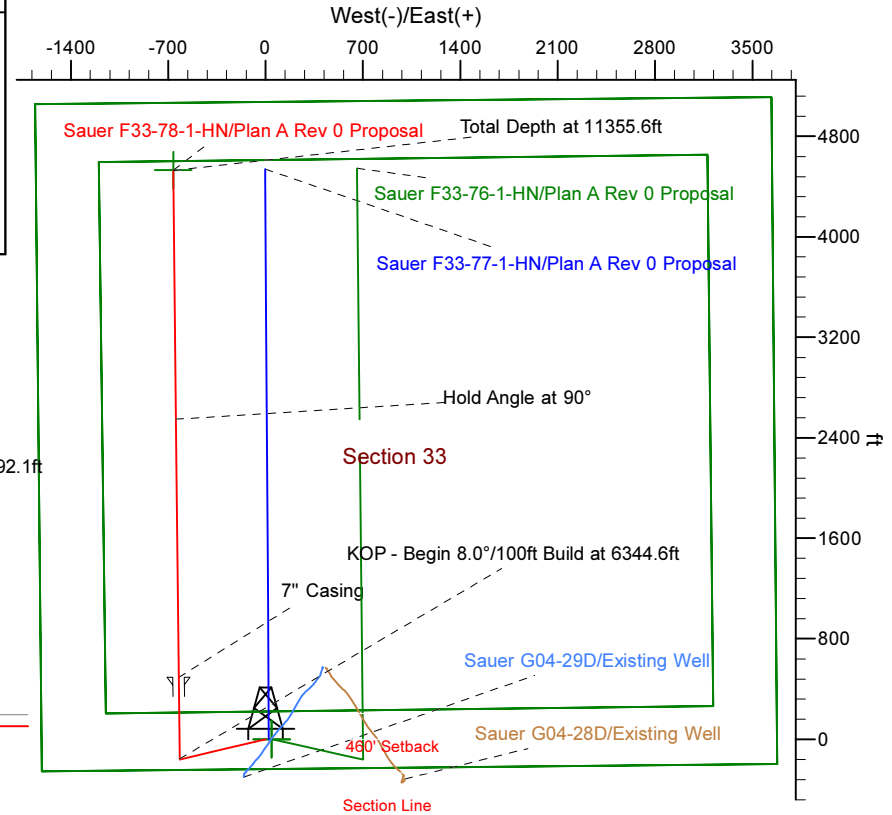
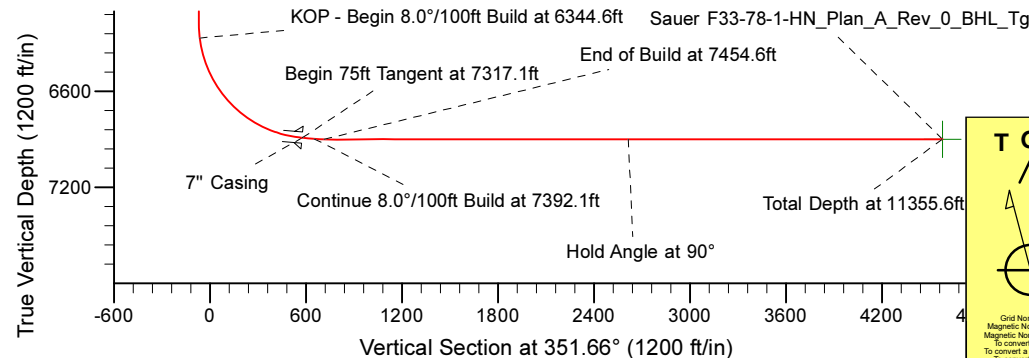
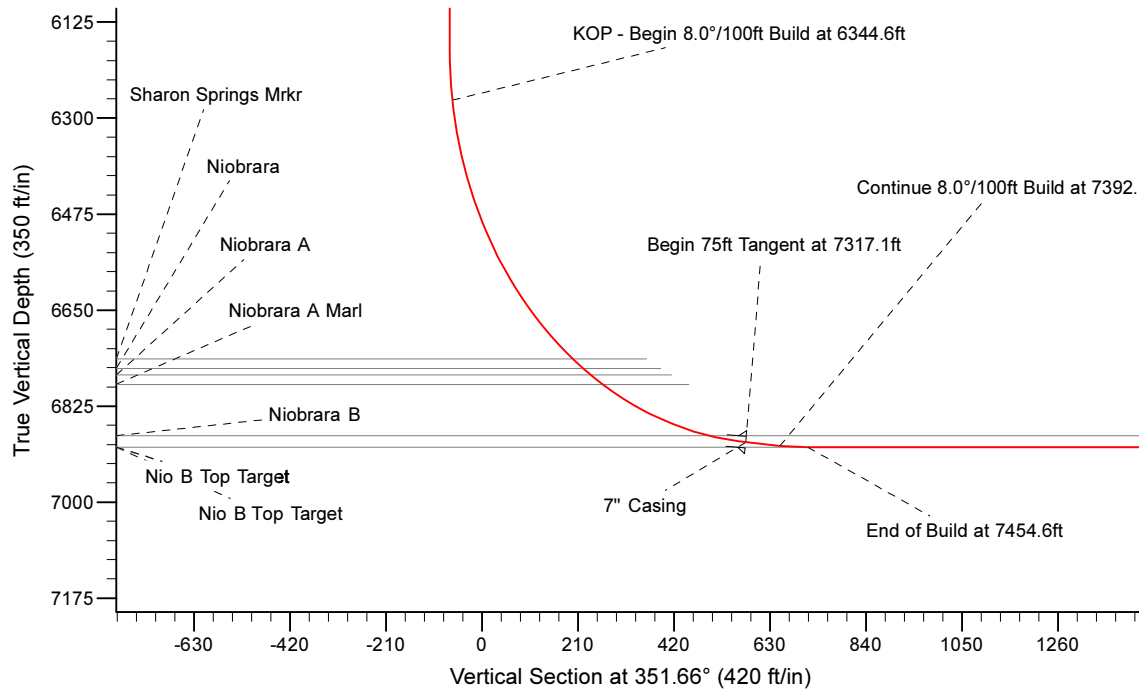
Project: Weld County Colorado (NAD 83)
 Site: Sec.33, T5N, R65W
 Well: Sauer F33-78-1-HN
 Wellbore: Plan A Rev 0 (PERMITTING PLAN ONLY)
 Design: Plan A Rev 0 Proposal

Noble Energy

HALLIBURTON
 Sperry Drilling

SECTION DETAILS

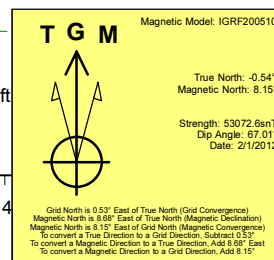
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1600.0	0.00	0.00	1600.0	0.0	0.0	0.00	0.00	0.0	
3	2200.0	15.00	255.33	2193.2	-19.8	-75.5	2.50	255.33	-8.6	
4	4068.7	15.00	255.33	3998.2	-142.2	-543.5	0.00	0.00	-61.9	
5	4668.7	0.00	0.00	4591.4	-162.0	-619.0	2.50	180.00	-70.5	
6	6254.6	0.00	0.00	6177.3	-162.0	-619.0	0.00	0.00	-70.5	
7	7317.1	85.00	359.45	6890.8	491.7	-625.3	8.00	359.45	577.2	
8	7392.1	85.00	359.45	6897.3	566.5	-626.0	0.00	0.00	651.2	
9	7454.6	90.00	359.45	6900.0	628.9	-626.6	8.00	0.00	713.1	
10	11355.6	90.00	359.46	6900.0	4529.7	-663.8	0.00	82.59	4578.0	Sauer F33-78-1-HN_Plan_A_Rev_0_BHL_Tg



Surface: 237' FSL, 1609' FWL

BHL: 535' FNL, 990' FWL

Casing Pt: 728' FSL, 992' FWL



WELL DETAILS: Sauer F33-78-1-HN(NAD83 Geodetic System)

Ground Level: 4670.0

Northing Easting Longitude

417913.92 984735.78 40° 20' 56.868 N 104° 40' 19.488 W

Plan: Plan A Rev 0 Proposal (Sauer F33-78-1-HN/Plan A Rev 0 (PERMITTING PLAN ONLY))

Created By: Erasmo Mendoza Date: 12:46, February 06 2012

OK to submit with 2A as per Noble Drilling
2/6/2012 12:52