

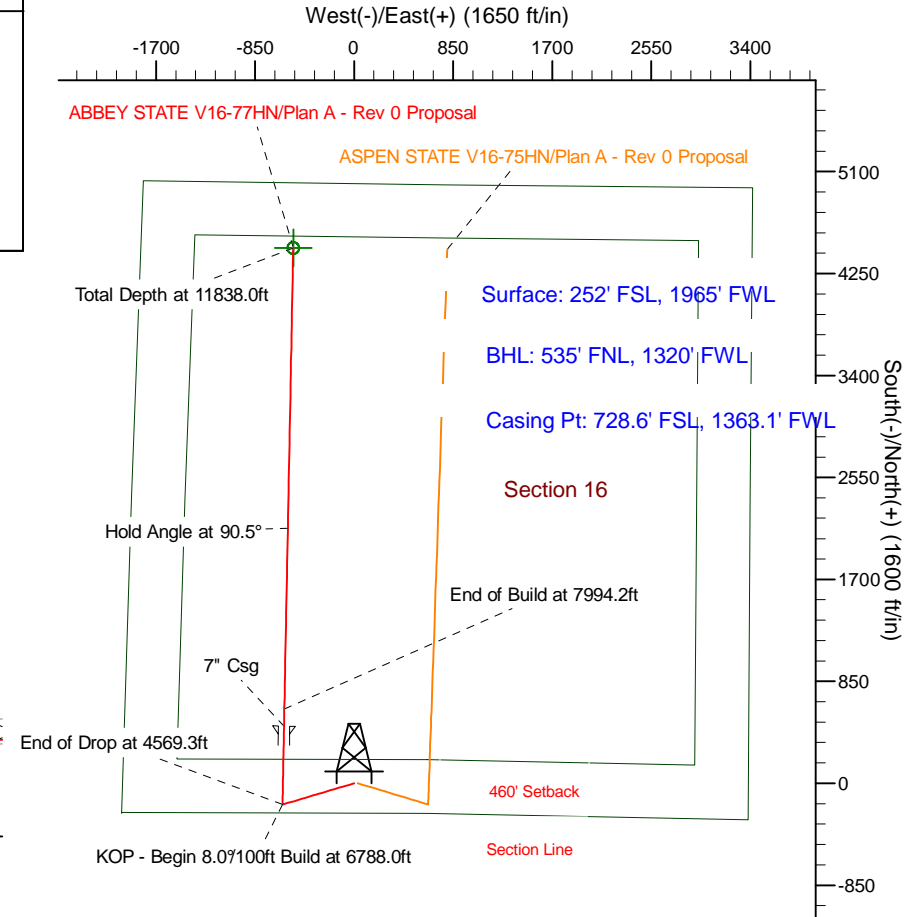
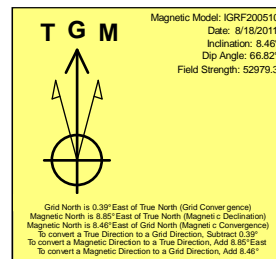
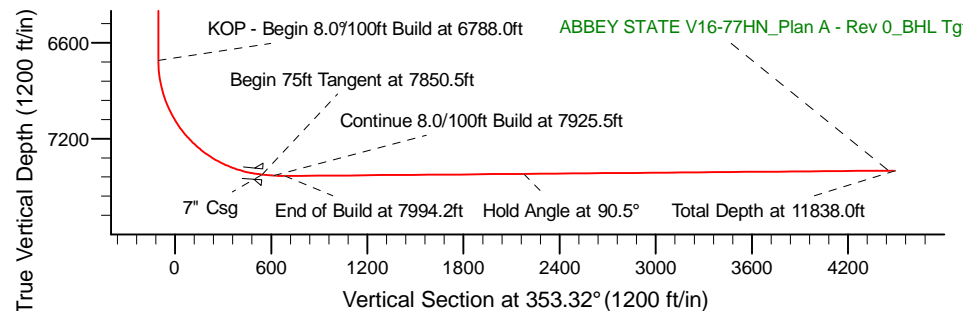
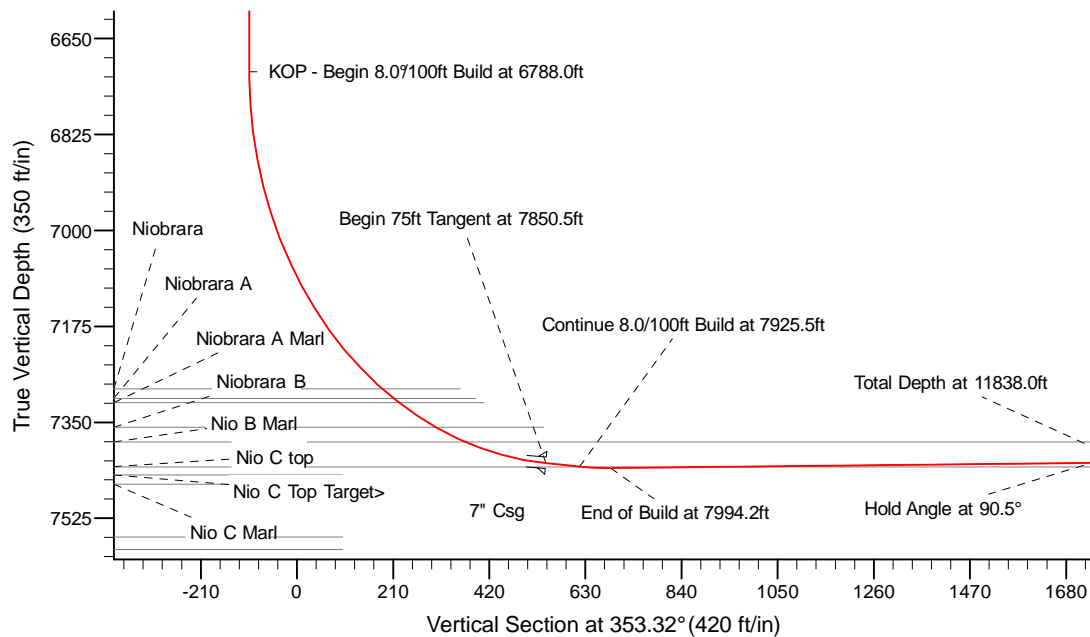
Project: Weld County Colorado (NAD 83)  
 Site: Sec. 16, T2N, R67W  
 Well: ABBEY STATE V16-77HN  
 Wellbore: Plan A - Rev 0 (PERMITTING PLAN ONLY)  
 Design: Plan A - Rev 0 Proposal

# 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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2099.9	15.00	253.94	2093.1	-21.6	-75.0	2.50	253.94	-12.7	
4	3969.4	15.00	253.94	3898.9	-155.4	-540.0	0.00	0.00	-91.6	
5	4569.3	0.00	0.00	4492.0	-177.0	-615.0	2.50	180.00	-104.3	
6	6788.0	0.00	0.00	6710.7	-177.0	-615.0	0.00	0.00	-104.3	
7	7850.5	85.00	1.15	7424.1	476.6	-601.9	8.00	1.15	543.4	
8	7925.5	85.00	1.15	7430.7	551.3	-600.4	0.00	0.00	617.4	
9	7994.2	90.50	1.15	7433.4	620.0	-599.0	8.00	0.00	685.4	
10	11838.0	90.50	1.14	7399.8	4462.8	-522.3	0.00	-87.85	4493.3	ASPEN STATE V16-77HN_Plan A - Rev 0_BHL Tgt



WELL DETAILS: ABBEY STATE V16-77HN			
Ground Level:		4990.0	
Northing	Easting	Latitude	Longitude
393636.24	965686.95	40° 7' 54.732 N	104° 53' 53.664 W
Plan: Plan A - Rev 0 Proposal (ABB EY STATE V16-77HN/Plan A - Rev 0 (PERMITTING PLAN ONLY))			
Created By: Erasmo Mendoza		Date: 15:03, August 18 2011	
OK to submit with 2A as per Noble Drilling 8/24/2011`			