

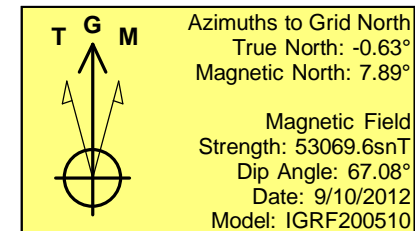
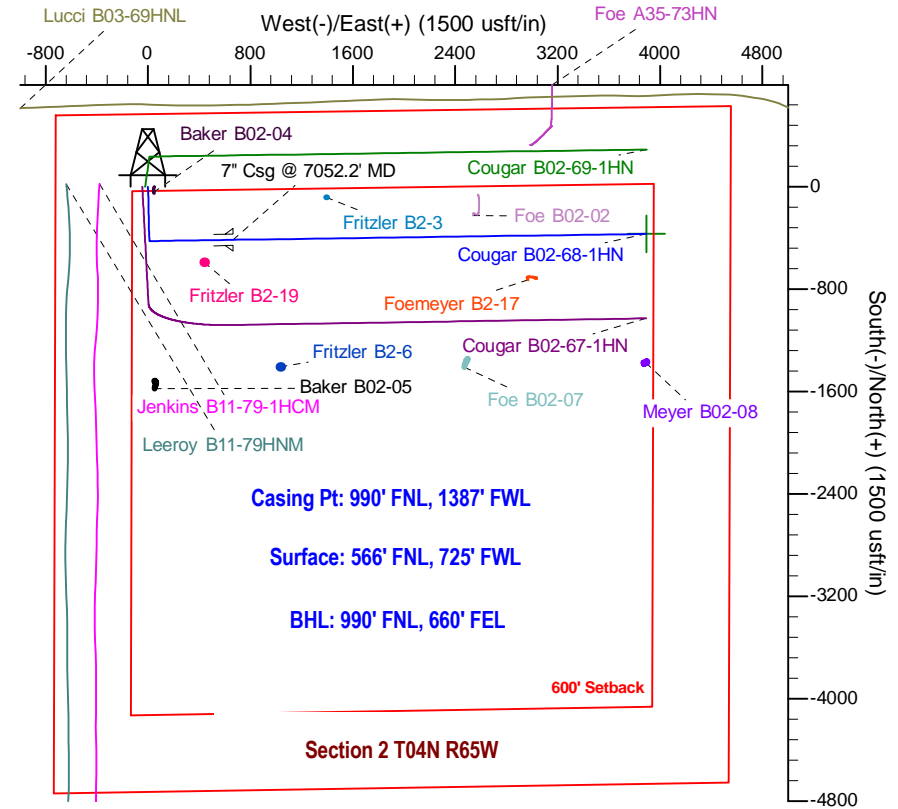
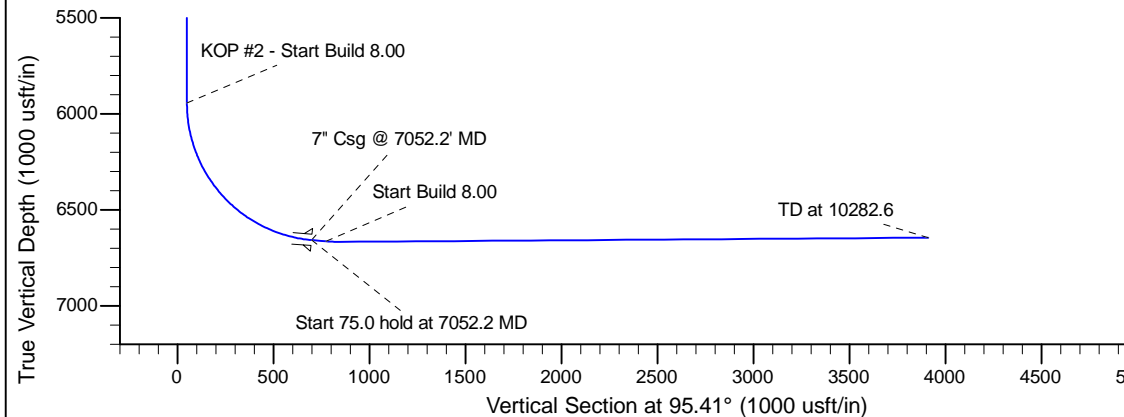
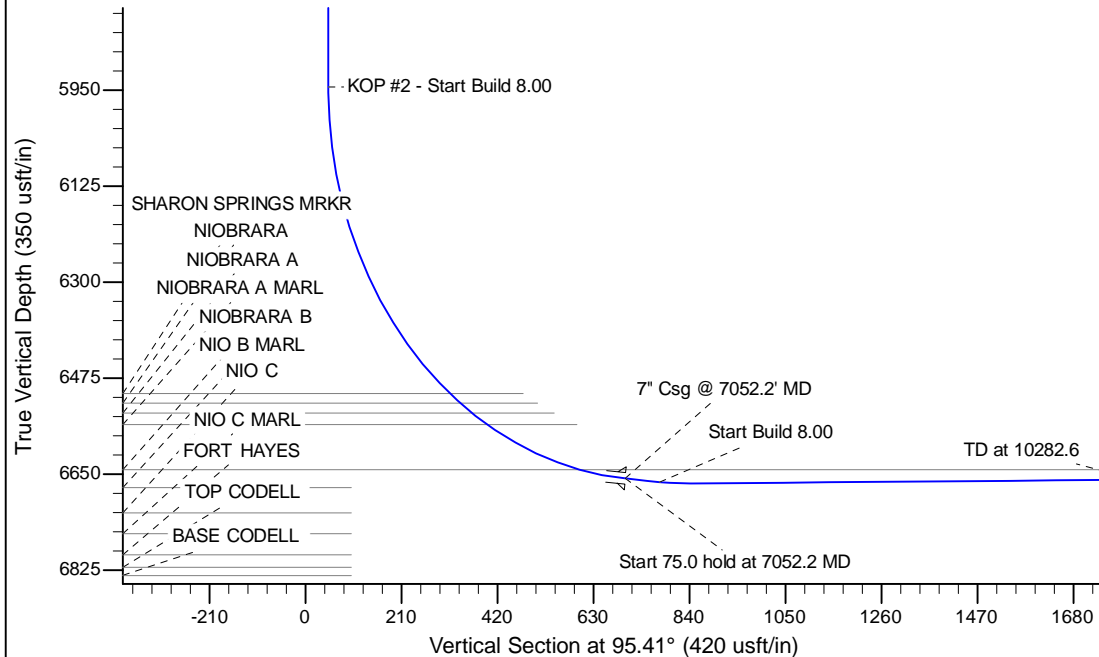
Project: Wattenberg Field
Site: B (Sec.2-T05N-R64W) Weld County, CO
Well: Cougar B02-68-1HN
Wellbore: Original Drilling
Design: APD - Rev 1

Northern Region Drilling - Working

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	VSec	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	2503.0	14.06	178.65	2496.0	-85.8	2.0	2.00	178.65	10.1	
4	3542.2	14.06	178.65	3504.0	-338.2	8.0	0.00	0.00	39.8	
5	4245.2	0.00	0.00	4200.0	-424.0	10.0	2.00	180.00	49.9	
6	5989.7	0.00	0.00	5944.5	-424.0	10.0	0.00	0.00	49.9	
7	7052.2	85.00	89.18	6658.0	-414.7	663.7	8.00	89.18	699.8	
8	7127.2	85.00	89.18	6664.5	-413.6	738.4	0.00	0.00	774.1	
9	7194.7	90.40	89.18	6667.2	-412.6	805.8	8.00	0.00	841.1	
10	10282.6	90.40	89.18	6645.7	-368.5	3893.3	0.00	0.00	3910.7	



WELL DETAILS: Cougar B02-68-1HN				
Ground Level: 4640.0				
0.0	0.0	Northing	Easting	Longitude
1402466.57	3271628.34	40.434070	-104.524200	
Plan: APD - Rev 1 (Cougar B02-68-1HN/Original Drilling)				
Created By: Shailey Jewell		Date: 15:01, November 18 2013		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		