

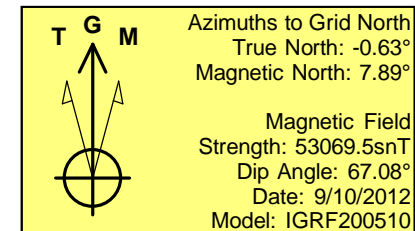
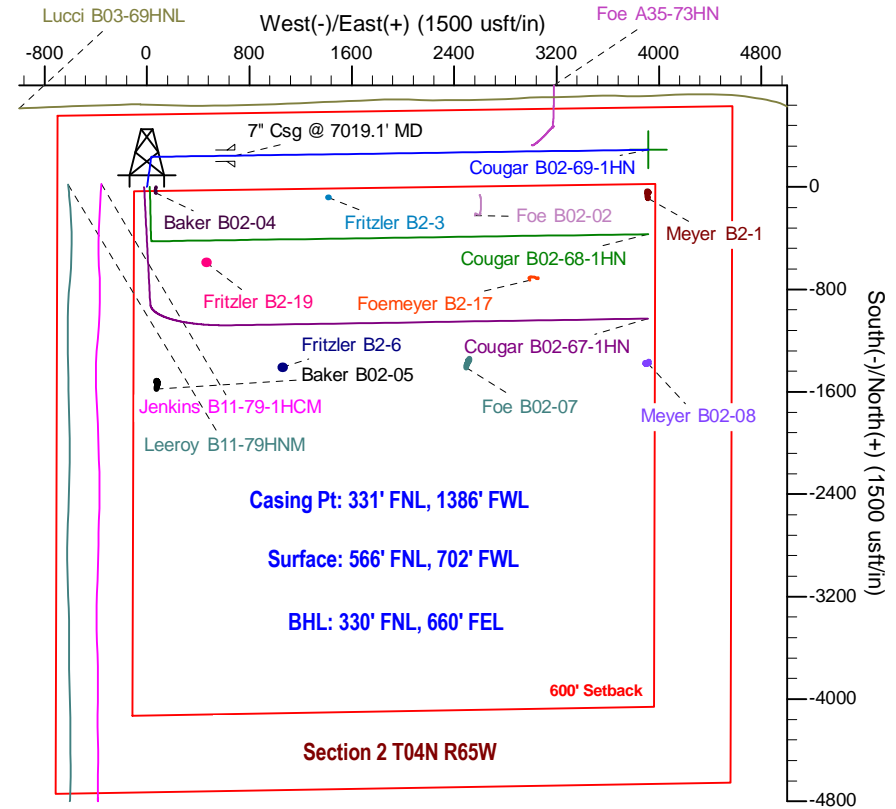
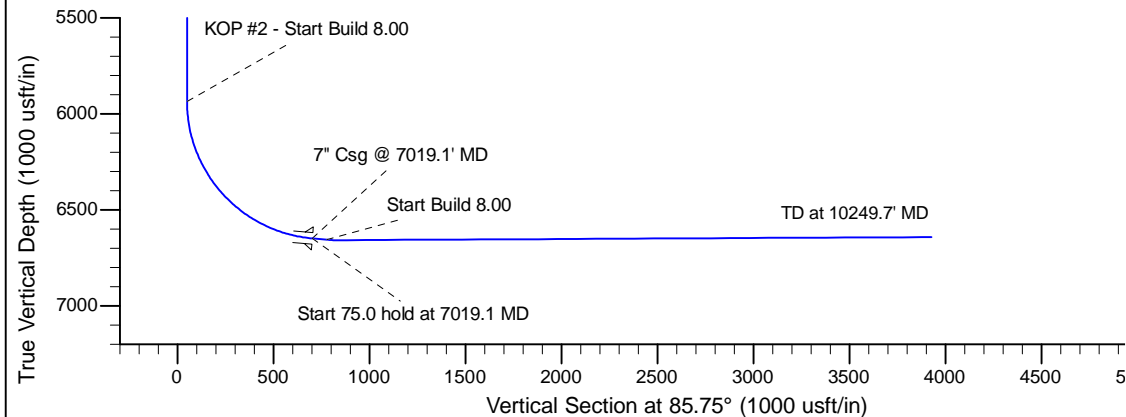
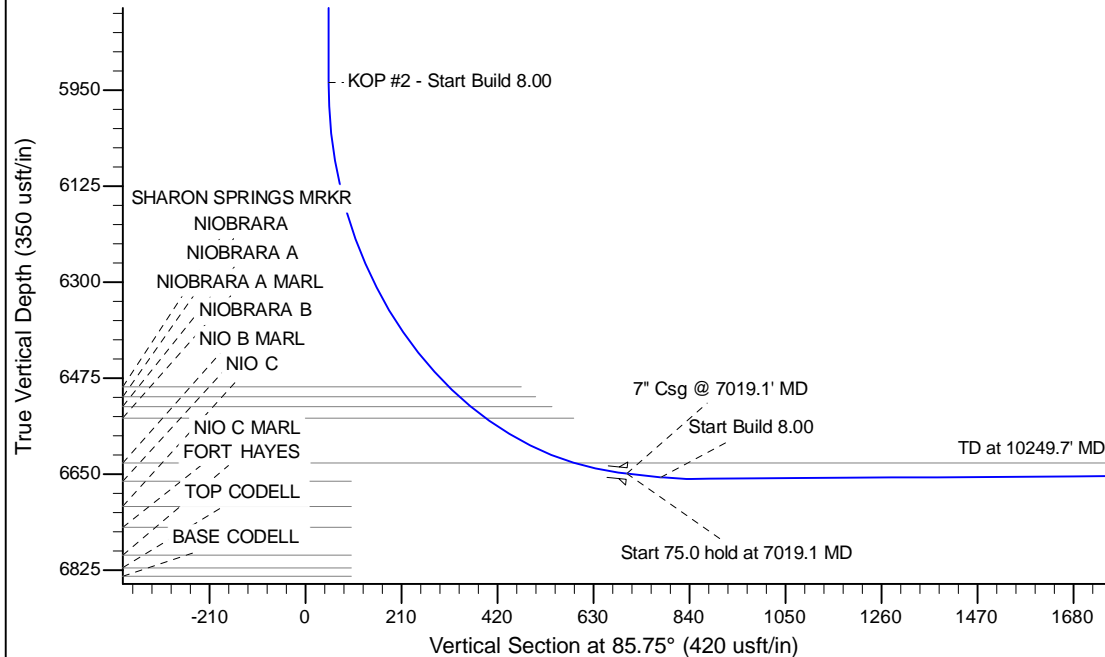
Project: Wattenberg Field
Site: B (Sec.2-T05N-R64W) Weld County, CO
Well: Cougar B02-69-1HN
Wellbore: Original Drilling
Design: APD - Rev 1

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	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	2103.7	12.07	7.96	2099.2	62.8	8.8	2.00	7.96	13.4	
4	2637.1	12.07	7.96	2620.8	173.2	24.2	0.00	0.00	37.0	
5	3240.7	0.00	0.00	3220.0	236.0	33.0	2.00	180.00	50.4	
6	5956.6	0.00	0.00	5935.9	236.0	33.0	0.00	0.00	50.4	
7	7019.1	85.00	89.19	6649.3	245.3	686.7	8.00	89.19	703.0	
8	7094.1	85.00	89.19	6655.9	246.3	761.4	0.00	0.00	777.6	
9	7160.3	90.30	89.19	6658.6	247.3	827.6	8.00	0.00	843.6	
10	10249.7	90.30	89.19	6642.4	291.2	3916.6	0.00	0.00	3927.4	Cougar B02-69-1HN BHL 330'FNL, 660'FEL



WELL DETAILS: Cougar B02-69-1HN				
Ground Level: 4641.0				
0.0	0.0	Northing	Easting	Latitude
		1402466.33	3271606.07	40.434070
				Longitude
				-104.524280
Plan: APD - Rev 1 (Cougar B02-69-1HN/Original Drilling)				
Created By: Shailey Jewell		Date: 15:23, November 18 2013		
Checked: _____		Date: _____		
Reviewed: _____		Date: _____		
Approved: _____		Date: _____		