

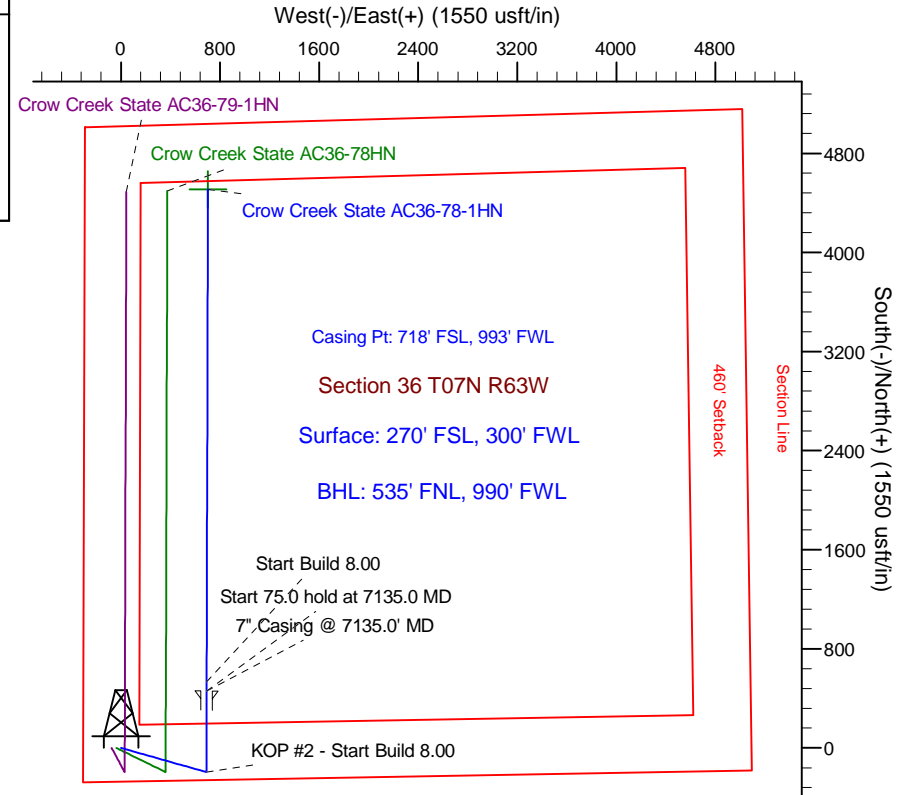
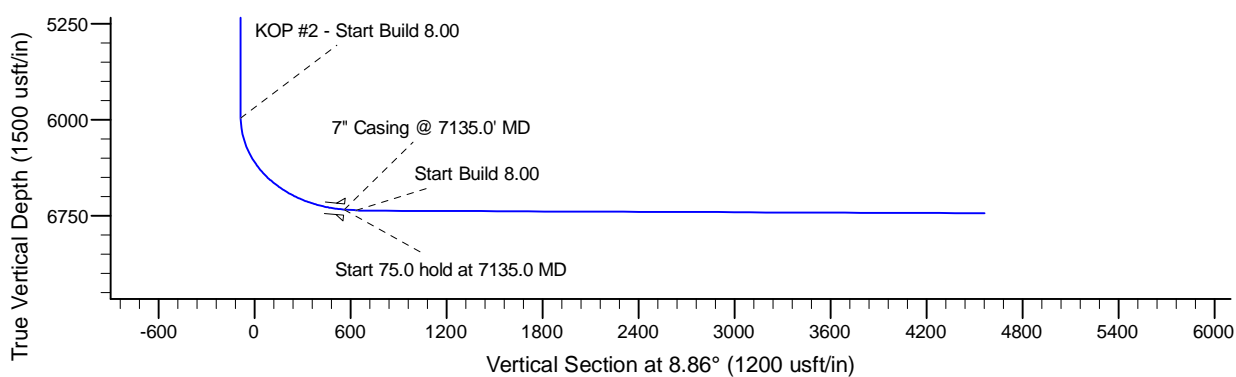
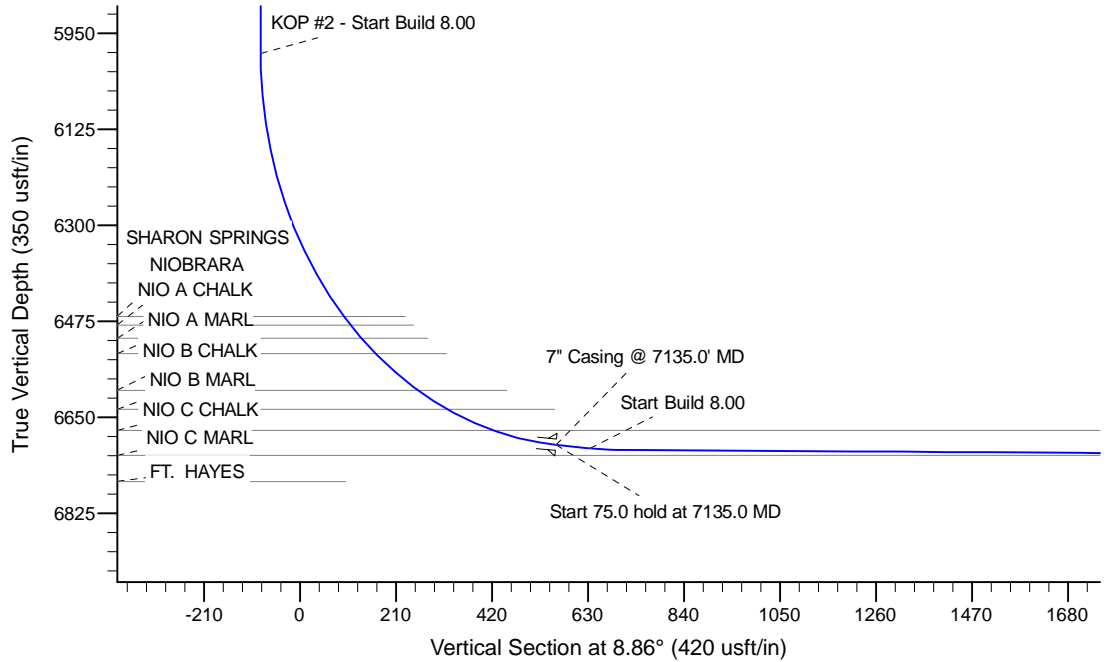
Project: Wattenberg Field
 Site: AC (Sec.36-T07N-R63W) Weld County, CO
 Well: Crow Creek State AC36-78-1HN
 Wellbore: Original Drilling
 Design: APD - Rev 0

Northern Region Drilling

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	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2252.0	15.04	105.78	2243.3	-26.7	94.4	2.00	105.78	-11.8	
4	4259.0	15.04	105.78	4181.7	-168.3	595.6	0.00	0.00	-74.6	
5	5011.0	0.00	0.00	4925.0	-195.0	690.0	2.00	180.00	-86.4	
6	6072.5	0.00	0.00	5986.6	-195.0	690.0	0.00	0.00	-86.4	
7	7135.0	85.00	0.15	6700.0	458.8	691.8	8.00	0.15	559.8	
8	7210.0	85.00	0.15	6706.6	533.5	692.0	0.00	0.00	633.7	
9	7268.8	89.70	0.15	6709.3	592.2	692.1	8.00	0.00	691.7	
10	11185.2	89.70	0.15	6729.8	4508.5	702.6	0.00	0.00	4562.9	Crow Creek State AC36-78-1HN BHL 535'FNL, 990'FWL



T G M

Azimuths to Grid North
 True North: -0.71°
 Magnetic North: 7.68°

Magnetic Field
 Strength: 53080.4snT
 Dip Angle: 67.16°
 Date: 2/25/2013
 Model: IGRF200510

WELL DETAILS: Crow Creek State AC36-78-1HN			
Ground Level: 4775.0			
Northing	Easting	Latitude	Longitude
0.0	0.0	1435493.88	3307693.78
		40.523560	-104.393170
Plan: APD - Rev 0 (Crow Creek State AC36-78-1HN/Original Drilling)			
Created By: Shailey Jewell		Date: 13:55, February 25 2013	
Checked: _____	Date: _____		
Reviewed: _____	Date: _____		
Approved: _____	Date: _____		