

Project: Wattenberg Field
Site: AE (Sec.29-T06N-R62W) Weld County, CO
Well: Wells Ranch AE30-66-1AHNC
Wellbore: Original Drilling
Design: APD - Rev 1

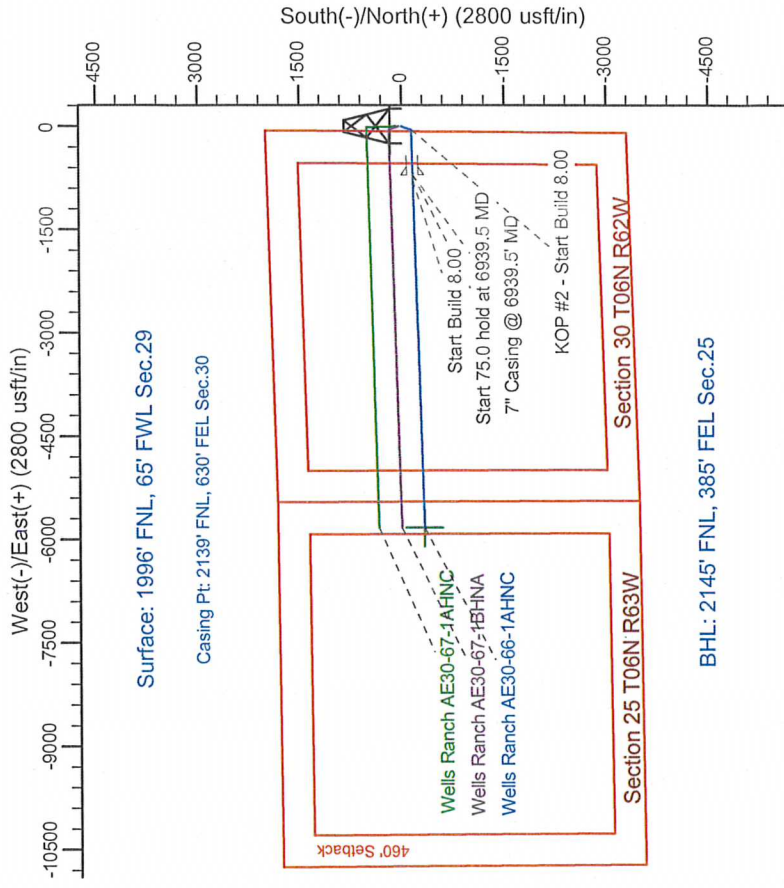
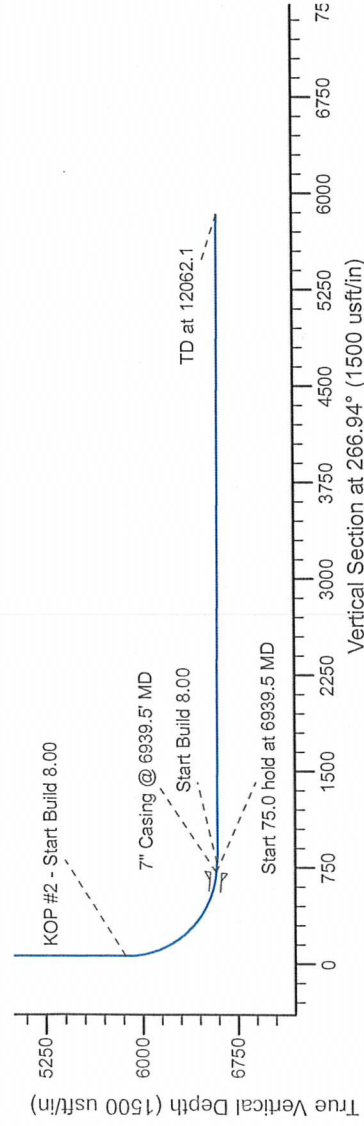
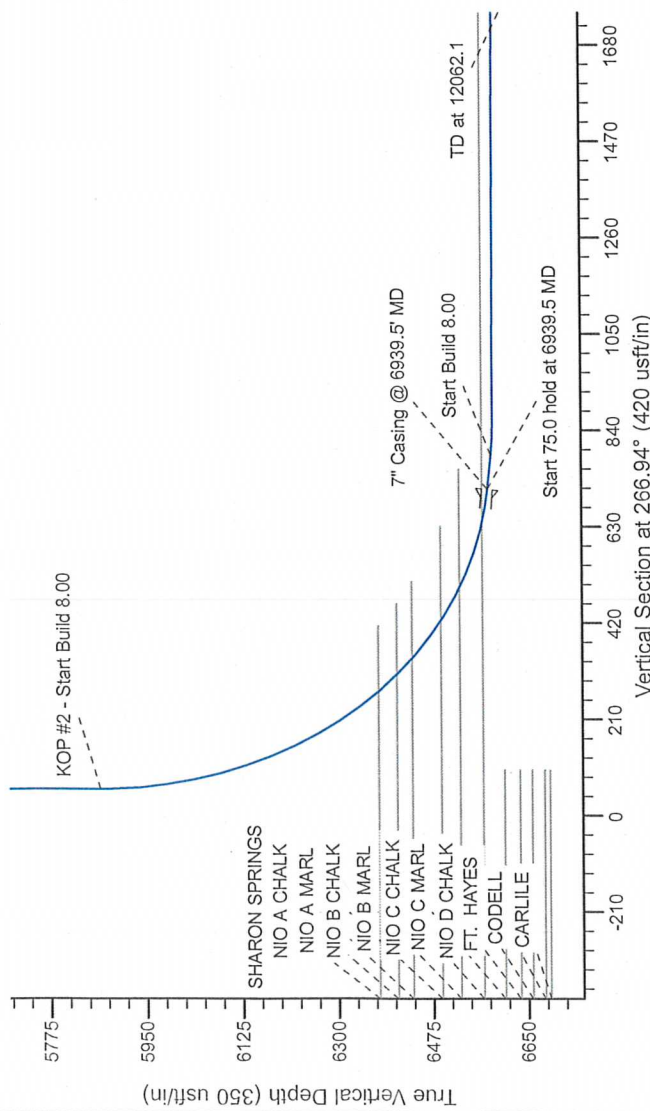
Northern Region Drilling - Working

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	VSecl	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	2103.6	12.07	199.03	2099.1	-59.9	-29.3	2.00	199.03	23.8	
4	2631.7	12.07	199.03	2623.9	-85.1	-29.3	2.00	199.03	33.8	
5	3160.0	0.00	0.00	3160.0	-145.0	-50.0	2.00	180.00	57.7	
6	3693.5	85.00	268.35	3578.7	-145.0	-50.0	2.00	180.00	57.7	
7	4227.0	85.00	268.35	4063.3	-163.8	-703.5	8.00	268.35	711.2	
8	4760.5	85.00	268.35	4598.3	-166.0	-778.2	8.00	0.00	785.9	
9	5294.0	85.00	268.35	5133.3	-167.7	-838.1	8.00	0.00	845.8	
10	5827.5	85.00	268.35	5668.3	-311.3	-5823.6	0.00	0.00	5831.9	

Wells Ranch AE30-66-1AHNA BHL 2145'FNL, 385'FEL



BHL: 2145' FNL, 385' FEL Sec.25

T G M

Azimuths to Grid North
True North: -0.74°
Magnetic North: 7.55°

Magnetic Field
Strength: 52992.0snT
Dip Angle: 67.10°
Date: 9/20/2013
Model: IGRF200510

WELL DETAILS: Wells Ranch AE30-66-1AHNC

Ground Level: 4764.0	Longitude
0.0	0.0
1412282.03	3318305.21
40.459480	-104.356080

Plan: APD - Rev 1 (Wells Ranch AE30-66-1AHNC/Original Drilling)

Created By: Shalley Jewell

Date: 10/26, January 13 2014

Checked: _____

Date: _____

Reviewed: _____

Date: _____

Approved: _____

Date: _____