

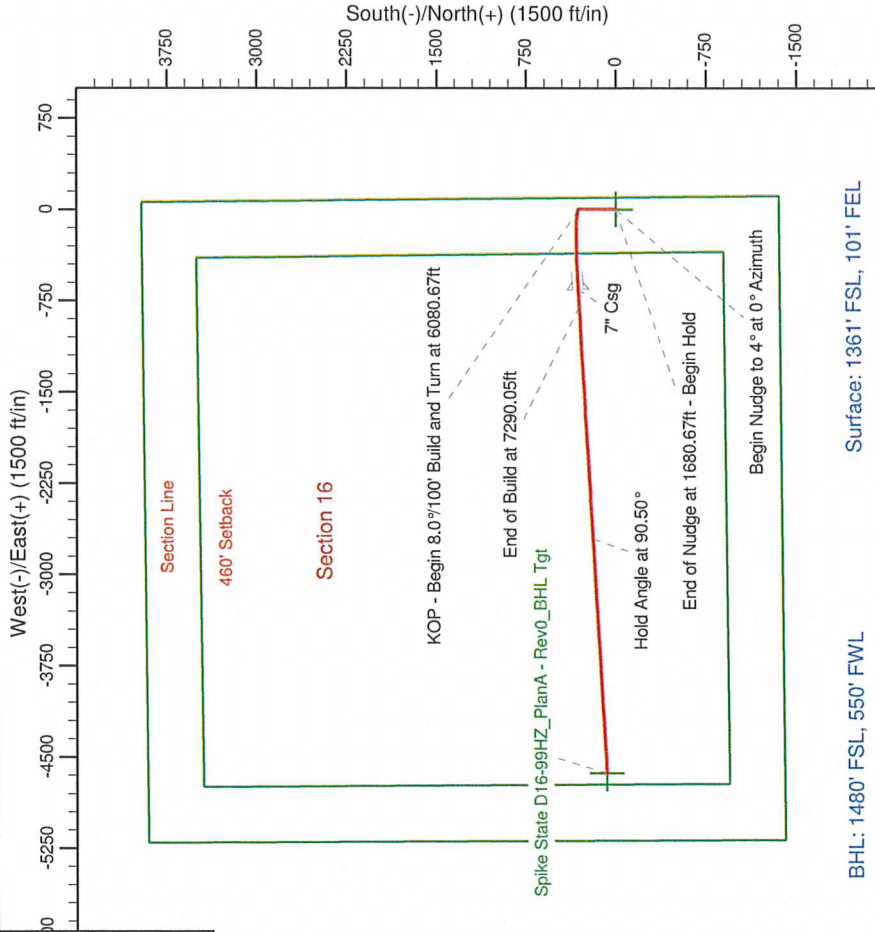
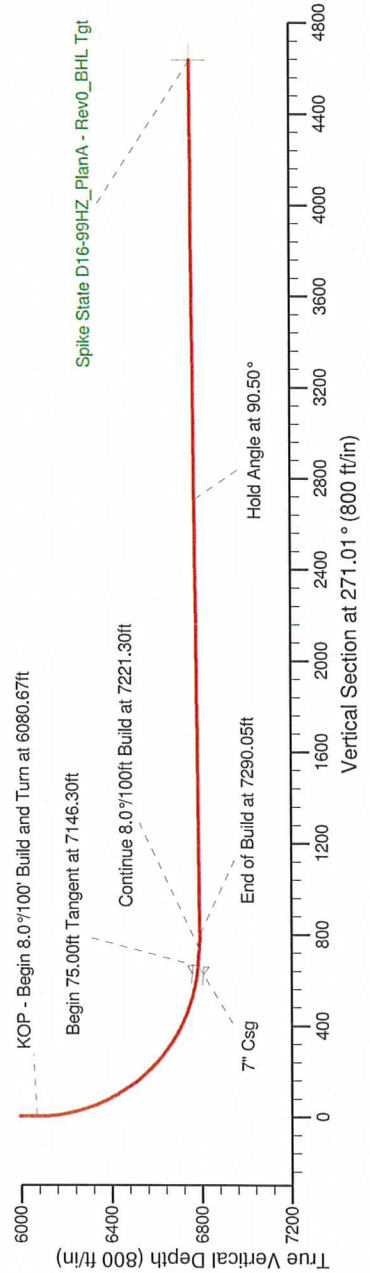
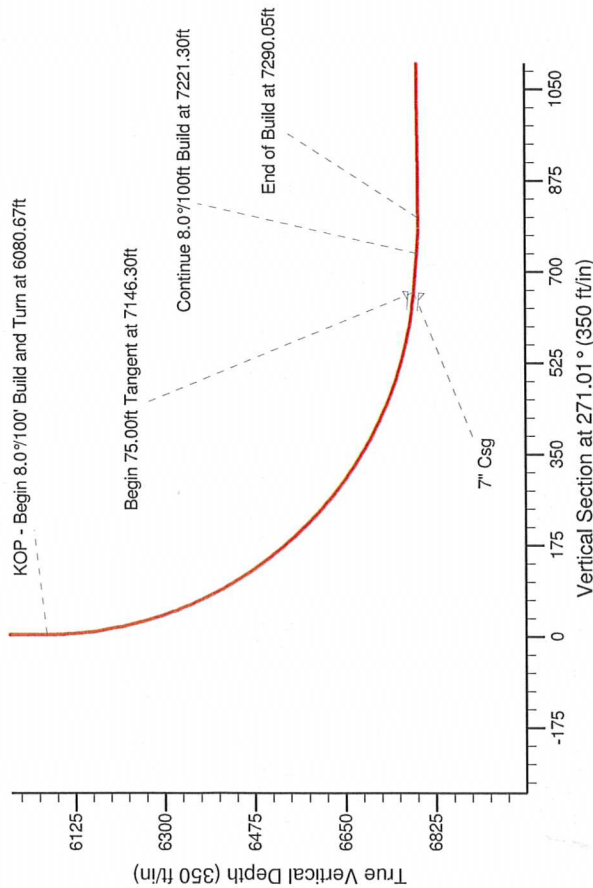
Project: Weld County, CO (NAD 83)
Site: Sec. 16-T3N-R64W
Well: Spike State D16-99HZ
Wellbore: Plan A (PERMITTING PLAN ONLY)
Design: Plan A - Rev 0 Proposal

Noble Energy

HALLIBURTON
Sperry Drilling

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1547.34	0.00	0.00	1547.34	0.00	0.00	0.00	0.00	0.00	0.00
3	1680.67	4.00	0.00	1680.57	4.65	0.00	3.00	0.00	0.00	0.08
4	6080.67	4.00	0.00	6089.85	311.58	0.00	0.00	0.00	0.00	5.50
5	7146.30	85.00	266.59	6784.84	318.50	-655.48	8.00	-93.75	661.00	661.00
6	7221.30	85.00	266.59	6791.38	314.06	-730.06	0.00	0.00	735.49	735.49
7	7290.05	90.50	266.59	6794.08	309.97	-798.61	8.00	0.00	803.96	803.96
8	11132.35	90.50	266.59	6780.55	81.44	-4633.96	0.00	0.00	4634.68	4634.68



BHL: 1480' FSL, 550' FWL

Surface: 1361' FSL, 101' FEL

Casing Pt: 1683' FSL, 751' FEL

WELL DETAILS: Spike State D16-99HZ

Ground Level:	4782.00
North	1325084.55
East	3266093.25
Latitude	40° 13' 18.588 N
Longitude	104° 32' 49.452 W

Plan: Plan A - Rev 0 Proposal (Spike State D16-99HZ/Plan A (PERMITTING PLAN ONLY))

Created By: Jay Lantz Date: 14:26, November 30 2010

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____