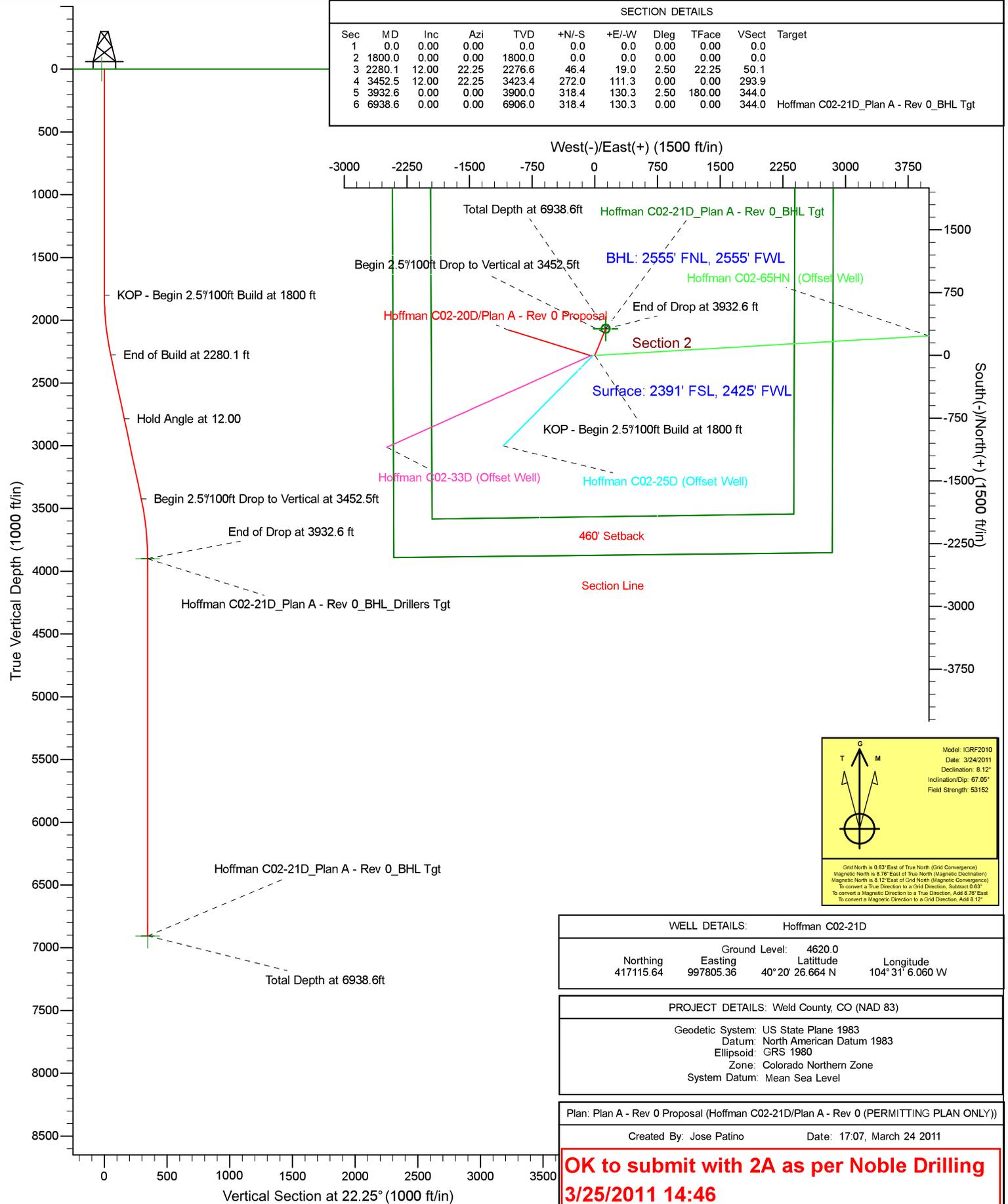


Noble Energy



Model: IGRF2010
 Date: 3/24/2011
 Declination: 8.12°
 Inclination/Dip: 67.05°
 Field Strength: 53152

Grid North is 0.63° East of True North (Grid Convergence)
 Magnetic North is 8.78° East of True North (Magnetic Declination)
 Magnetic North is 8.12° East of Grid North (Magnetic Convergence)
 To convert a True Direction to a Grid Direction, Subtract 0.63°
 To convert a Magnetic Direction to a True Direction, Add 8.78° East

WELL DETAILS: Hoffman C02-21D				
Ground Level:	4620.0			
Northing	417115.64	Easting	997805.36	
Latitude	40° 20' 26.664 N		Longitude	104° 31' 6.060 W

PROJECT DETAILS: Weld County, CO (NAD 83)	
Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	Colorado Northern Zone
System Datum:	Mean Sea Level

Plan: Plan A - Rev 0 Proposal (Hoffman C02-21D/Plan A - Rev 0 (PERMITTING PLAN ONLY))

Created By: Jose Patino Date: 17:07, March 24 2011

OK to submit with 2A as per Noble Drilling
3/25/2011 14:46