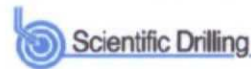


Carter Farms A Fee Com #3H Directional Survey - PreDrill



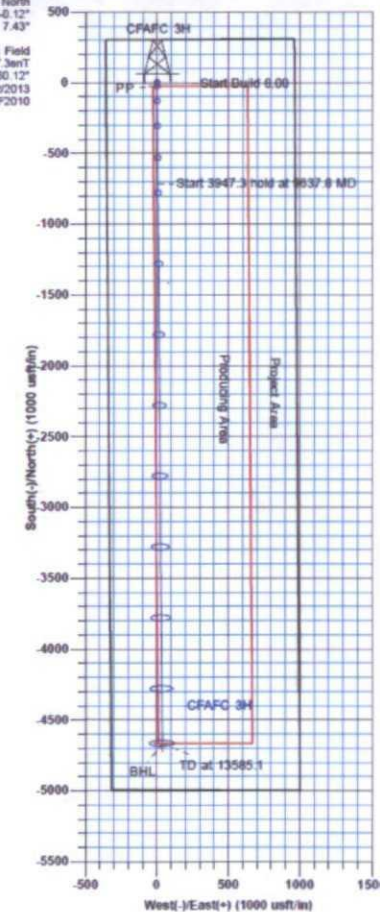
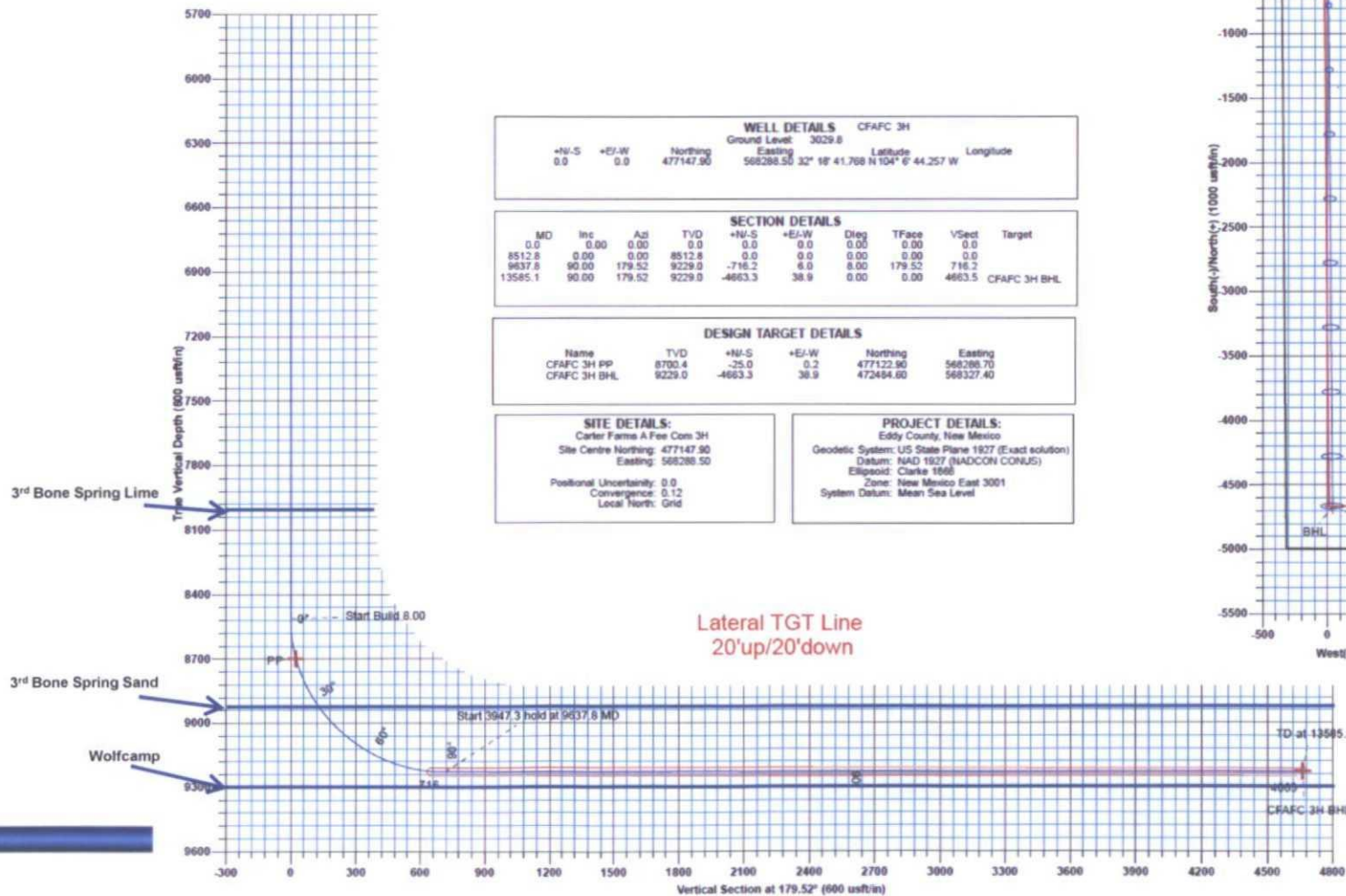
CFAFC 3H
Eddy County, New Mexico
Northing: 477147.90
Easting: 568288.50
Design #1



To convert a Magnetic Direction to a Grid Direction, Add 7.43°
To convert a True Direction to a Grid Direction, Subtract 6.12°

Admuth to Grid North
True North: -6.12°
Magnetic North: 7.43°
Magnetic Field
Strength: 48377.3nT
Dip Angle: 60.12°
Date: 10/22/2013
Model: IGRF2010

KB @ 3054.0usft
Gr @ 3029.8



BEFORE THE OIL
CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 7

Submitted by: COG OPERATING INC.
Hearing Date: March 6, 2014

Jody Barclay
18-09, October 22 2013
Scientific Drilling
2740 N. Highway 287
Decatur, TX 76234

