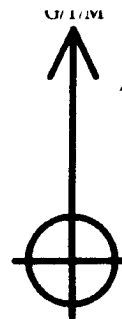


Scientific
Drilling

Field: Sawyer
Site: Lea County, NM
Well: JCT Federal 13 #1
Wellpath: VH - Job #32K0108025
Survey: 01/09/08



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

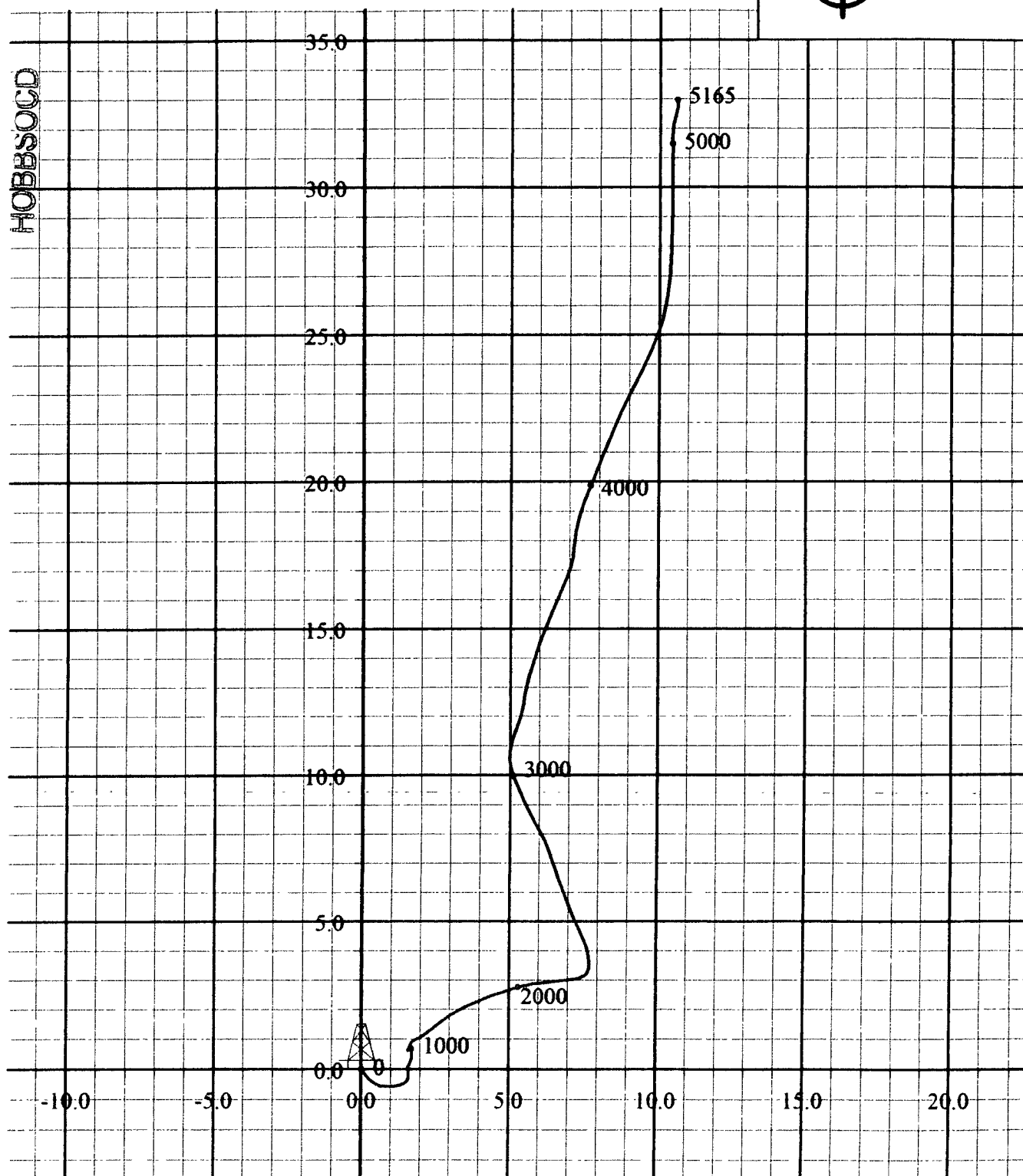
Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 02/11/2008
Model: igrf2000

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SEP 01 2009

HOBBSD

South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]