

CONFIDENTIAL

ORIGINAL

Drillers Log

Vohs #2-1-16-24

963 FEL, 696 FNL (N 38° 41.559', W 94° 41.583')

Section 1-T16S-R24E

Miami, Co. Kansas

API #15-121-27677

Elevation: 1013 GL (est. from Topo. Map)

Drilling Contractor: Glaze Drilling Co., (Lic. #5885)

Spud: 5/21/2003

Surface: 11 1/4" bore hole, set 20' of 8 5/8" csg. cmt'd with 6 sx

Production bore hole: 7 7/8"

Rotary Total Depth: 720' on 5/22/03

Drilling fluid: Air

E-Log Total Depth: No Open Hole Run (GR-N run on 7/15/03)

Production Csg.: Used 5 1/2" 15.50#/ft., set at 717' (6/27/03)

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Formation	Driller Log Tops	E-Log Tops	Datum
Stark Shale	265	267	746
Hushpuckney Shale	294	295	718
Base Kansas City	314	314	699
"Middle" Knobtown Sand	Poorly developed	----	----
"Lower" Knobtown Zone	No call	370	643
Carbonaceous Zone in Tacket Fm.	No call	430	583
"Big Lake" Sand	Poorly developed	446	567
South Mound Zone	490	491	522
Hepler (Wayside) Sand	Not developed	----	----
"Upper" Mulberry Zone	Absent	----	----
Mulberry Zone	Absent	----	----
Weiser Sand	Absent	----	----
Myrick Station	Absent (Cgl.)	----	----
Anna Shale (Lexington Coal Zone)	Absent (Cgl.)	----	----
Peru Sand	Sandy Cgl	----	----
Summit Shale Zone	599	600	413
Mulky Coal/Shale Zone	628	628	385
Squirrel Sand	No call	----	----
Bevier Coal Zone	No call	682	331
Verdigris (Ardmore) Ls	No call	691	322
Croweburg Zone	No call	693	320
Rotary Total Depth	720	----	293
Cased Hole GR-N	----	716	297