

Drillers Log

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Hopkins #11-1-16-24

357 FWL, 2010 FSL (N 38° 41.084', W 94° 42.719')

Section 1-T16S-R24E

Miami, Co. Kansas

API #15-121-27676

Elevation: 998 GL (est. from Topo. Map)

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

Spud: 5/18/2003

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: 660' on 5/19/03

Drilling fluid: Air

E-Log Total Depth: No Open Hole Run

Production Csg.: Used 5 1/2" 15.50#/ft., set at 504' (packer rubber)

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<u>Formation</u>	<u>Driller Log Tops</u>	<u>Datum</u>
Stark Shale	233	765
Hushpuckney Shale	262	736
Base Kansas City	280	718
"Middle" Knobtown Sand	310	688
Carbonaceous Zone in Tacket Fm.	No call	----
"Big Lake" Sand	397	601
South Mound Zone	437	561
Hepler (Wayside) Sand	445	553
"Upper" Mulberry Zone	No call	----
Mulberry Zone	No call	----
Weiser Sand	484	514
Myrick Station	502	496
Anna Shale (Lexington Coal Zone)	506	492
Peru Sand	Not developed	----
Summit Shale Zone	546	452
Mulky Coal/Shale Zone	568	430
Squirrel Sand	581	417
Bevier Coal Zone	No call	----
Rotary Total Depth	660	338

Hopkins #11-1-16-24 (Sect. 1-T16S-R24E)

Copied from the Driller's Log by Rex R. Ashlock

Surface	20	
Lime	67	
Shale	110	
Lime	124	
Shale	138	
Lime	141	
Shale	179	
Lime	180	
Shale	184	
Lime	193	
Shale	207	
Lime	233	
Shale	235	
Black Slate	237	
Shale	241	Test @ 240
Lime	262	
Shale	265	
Black Slate	266	
Lime	269	
Shale	274	
Lime	280	"Hertha" Test @ 280
Shale	310	
Sand	317	Test @ 320
Shale	397	
Sand	400	Test @ 400
Shale	437	
Black Slate	440	Test @ 440
Shale	445	
Sandy Shale	450	
Sand	455	
Sandy Lime	458	
Lime	463	Test @ 460
Shale	465	
Lime	466	
Shale	468	
Lime	472	
Shale	474	
Lime	484	
Sand	487	"Light Show"
Sandy Shale	494	
Shale	502	Test @ 500
Lime	506	
Black Slate	507	

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Hopkins # 11-1-16-24 Continued

Shale	510	
Sandy Shale	515	
Lime	518	
Shale	524	Test @ 520
Lime	533	
Shale	546	
Black Slate	549	
Shale	552	
Lime	556	
Shale	568	Test @ 560
Black Slate	572	
Shale	581	Test @ 580
Sand	595	
Sand	630	49' Test @ 600
Shaly Sand	660	TD Test @ 660

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