

ACE
COPY

Drillers Log

Kircher #1-9-16-25

792 FEL, 660 FNL (N 38° 40.599', W 94° 38.472')

Section 9-T16S-R25E

Miami, Co. Kansas

API #15-121-27726

Elevation: 1106 GL (est. from Topo. Map)

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

Spud: 7/26/2003

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: 680' on 7/26/03

Drilling fluid: Air

E-Log Total Depth: No Open Hole Run (Cased hole GR-N run on 8/05/03 to check packer depth)

Production Csg.: Used 5 1/2" 15.50#/ft., set at 530'

RECEIVED
FEB 23 2004
KCC WICHITA

<u>Formation</u>	<u>Driller Log Tops</u>	<u>E-Log Tops</u>	<u>Datum</u>
Stark Shale	247	251	855
Hushpuckney Shale	276	280	826
Base Kansas City	294	297	809
"Upper" Knobtown Sand	No Call	----	----
"Middle" Knobtown Sand	327	328	778
"Lower" Knobtown Zone	No Call	364	742
Carbonaceous Zone in Tacket Fm.	No Call	414	692
"Big Lake" Sand	No Call	----	----
South Mound Zone	465	467	639
Hepler (Wayside) Sand	No Call	----	----
"Upper" Mulberry Zone	No Call	488	618
Mulberry Zone	No Call	496	610
Weiser Sand	No Call	508	598
Myrick Station	525	527	579
Anna Shale (Lexington Coal Zone)	529	531	575
Peru Sand	No Call	----	----
Summit Shale Zone	574	573	533
Mulky Coal/Shale Zone	587	598	508
Squirrel Sand	657	618	488
Bevier Coal Zone	No Call	Not logged	----
Rotary Total Depth	680	----	426
GR-N Log TD (8/05/03)	----	658	448

COPIED FROM DL BY REX R. ASHLOCK

SURFACE	20
LIME	50
SHALE	54
LIME	55
SHALE	105
LIME	114
SHALE	151

KIRCHER #1-9-16-25 DRILLER'S LOG CONTINUED

LIME	154	
SHALE	198	
LIME	207	
SHALE	221	
LIME	223	
SHALE	224	
LIME	247	
SHALE	250	"DAMP"
BLACK SLATE	252	
SHALE	254	
LIME	276	TST @ 260, NOpFlo
SHALE	278	
BLACK SLATE	280	TST @ 280, NOpFlo
LIME	282	
SHALE	288	
LIME	294	"HERTHA"
SHALE	327	
SAND	331	
SHALE	334	
SAND	344	TST @ 340
SHALE	465	
BLACK SLATE	467	
SHALE	482	TST @ 380
LIME	486	
SHALE	487	
LIME	489	
SHALE	498	
LIME	508	
SHALE	525	
LIME	529	
BLACK SLATE	532	
SHALE	534	
SANDY LIME	536	
SHALE	553	TST @ 540
LIME	564	
SHALE	574	
BLACK SLATE	575	
SHALE	579	
LIME	581	TST @ 580
SHALE	587	
BLACK SLATE	600	TST @ 600
SHALE	626	
SANDY SHALE	638	
SHALE	650	
SANDY SHALE	657	
SAND	669	
SHALE	673	
LIME	677	
SHALE	680	TD, TST @ 680

RECEIVED
FEB 23 2004
KCC WICHITA