

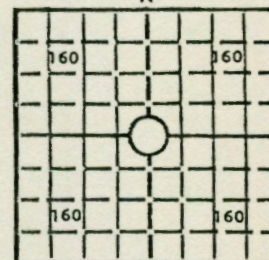
S. 36 T. 28S R. 16 E W

DRILLERS LOG

API No. 15 - 205 - 20,524
County Number

Loc. _____

County Wilson

640 Acres
N

Locate well correctly

Elev.: Gr. _____

DF _____ KB _____

Operator

Davis Oil Co.

Address

Box 1004 Independence, Kansas 67301

Well No.

J-14

Lease Name

Umbarger

Footage Location

1,150

feet from (N) (S) line

500

feet from (E) (W) line

SW/4

Principal Contractor

Dobbie Drilling Co.

Geologist

Spud Date

11-9-78

Total Depth

673'

P.B.T.D.

Date Completed

11-10-78

Oil Purchaser

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
SURFACE	9"	6 $\frac{1}{4}$ "		46'			
PRODUCTION	5 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "		659'			

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Top Soil	0	3	Shale	438	479			
Clay	3	12	Sand	479	532			
H. Sand	12	14	Lime	532	567			
Sand/Shale	14	21	Shale	567	607			
Shale	21	26	Lime	607	630			
Sand	26	90	Shale	630	637			
Shale	90	94	Lime	637	645			
Sand	94	138	Shale	645	648			
Lime	138	142	Lime	648	651			
Sand/Shale	142	145	Shale	651	656			
Lime	145	248	Lime	656	658			
Shale	248	256	Sand	658	673			
Lime	256	280						
Shale	280	283						
Lime	283	323						
Shale	323	327						
Lime	327	348						
Blk. Shale	348	399						
Lime	399	404						
Shale	404	407						
Lime	407	416						
Shale	416	421						
Lime	421	438						