

State Geological Survey
WICHITA BRANCH

15-011-20313

KANSAS DRILLERS LOG

API No. 15 — 011 — 20,313
County Number

Operator
Hillenburg Oil Co.

Address
116th St. & S. Lynn Lane Rd. Broken Arrow, Okla 74012

Well No. #4
Lease Name Foose

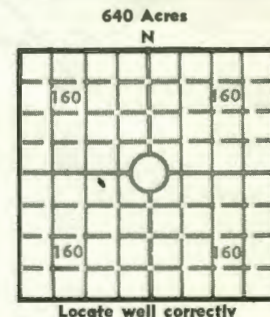
Footage Location
720 feet from (N) line 2775 feet from (W) line

Principal Contractor
Hillenburg Oil Company Geologist

Spud Date 6-20-77
Total Depth 721 P.B.T.D.

Date Completed 6-27-77
Oil Purchaser

S. 6 T. 24 R. 22 E
Loc. 720' FNL & 2775' FWL
County Bourbon



Elev.: Gr.

DF KB

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		7"		25'		5	
Production	6-1/4	4-1/2	9.5	708'	bulk	110	2 sx prem gel
						FS 431	
						Oil sd. 647	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots	Size & type	Depth interval
			13 shots		648' to 654'
Size	Setting depth	Packer set at			
2-3/8"	660'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Oil frac - 100 bbls oil, 20 sx 12-30 sand, 5 sx 10-20 sand, 1 drum acid	653'

INITIAL PRODUCTION

Date of first production 7-15-77		Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 7 bbls.	Gas MCF	Water bbls.	Gas-oil ratio CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

6-24-22E



HILLENBURG OIL COMPANY
BROKEN ARROW, OKLAHOMA 74012



Foose #4

	From	To		From	To
Top soil	0'	4'	Sandy Lime	92'	95'
Lime	4'	6'	Sand	95'	104'
Shale	6'	9'	Shale	104'	109'
Lime	9'	11'	Sand	109'	111'
Water sand	11'	19'	Shale	111'	209'
Sandy Lime	19'	20'	Lime	209'	210'
Lime	20'	23'	Sandy Shale	210'	275'
Sandy Lime	23'	30'	Lime	275'	279'
Shale	30'	33'	Shale	279'	285'
Black Shale	33'	36'	Sand	285'	300'
Lime	36'	38'	Sandy Shale	300'	348'
Shale	38'	42'	Sandy Lime	348'	350'
Lime	42'	47'	Shale	350'	356'
Shale	47'	48'	Lime w/shale streaks	356'	385'
Lime	48'	62'	Black Sandy Shale	385'	390'
Black Shale	62'	64'	Grey Shale	390'	395'
Lime	64'	70'	Sand w/lime streaks	395'	418'
Shale	70'	71'	Sandy Shale	418'	431'
Sand	71'	72'	Sandy Lime	431'	448'
Shale	72'	74'	Shale	448'	455'
Sandy Lime	74'	75'	Sandy Lime	455'	463'
Lime	75'	80'	Sandy Shale	463'	528'
Shale	80'	82'	Lime	528'	530'
Sand	82'	83'	Shale	530'	559'
Shale	83'	85'	Lime	559'	561'
Lime	85'	90'	Shale	561'	593'
Shale	90'	92'	Lime	593'	594'

For
Scot

6-24-22E



HILLENBURG OIL COMPANY
BROKEN ARROW, OKLAHOMA 74012



Foose #4 Cont'd

	From	To	
Sandy Shale	594'	600'	
Grey Shale	600'	630'	
Sandy Shale	630'	637'	
Sand, Gas odor	637'	640'	
Sandy Shale	640'	647'	
Oil Sand, good odor	647'	648'	
Cored 5' sand	648'	653'	
Black Shale	653'	664'	
Sandy Shale	664'	721'	TD