

KANSAS DRILLERS LOG

API No. 15 — 167 — 20,931
County Number

Operator
Sohio Petroleum Company

Address
P. O. Box 673 Russell, Kansas

Well No. #4 Lease Name Sutton-Mai

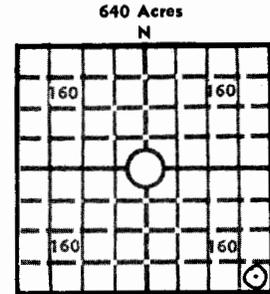
Footage Location
330 feet from X (S) line 330 feet from (E) X line

Principal Contractor Red Tiger Drilling Co. Geologist Francis Whisler

Spud Date 7/26/76 Total Depth 3160' P.B.T.D. 2415'

Date Completed 8/18/76 Oil Purchaser Sohio Petroleum Company

S. 5 T. 12 R. 15 W
Loc. SE SE SE
County Russell



Elev.: Gr. 1697'
DF _____ KB 1702'

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	12-1/4"	8-5/8"	24#	609.56 KB	Class "A"	235	2% Gel, 3% CaCl
	Reamed				Common	150	2% salt, 10# Gil.
Production	13-3/4"	5-1/2"	14#	3158.31' KB	Howcolite	200	All w/10# Gil, 18%
	7-7/8"				50/50 Poz	150	salt, 3/4% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
	NONE				
TUBING RECORD			SEE BACK		
Size	Setting depth	Packer set at			
2-3/8"	2357'	None			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
SEE BACK	

INITIAL PRODUCTION

Date of first production <u>8/23/76</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>			
RATE OF PRODUCTION PER 24 HOURS	Oil <u>81</u> bbls.	Gas <u>0</u> MCF	Water <u>75</u> bbls.	Gas-oil ratio <u>0</u> CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s) <u>Tarkio 2352-60'</u>	

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 6044.

Operator: Sohio Petroleum Company
 DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. 4 Lease Name Sutton-Mai Oil

S 5 T 12S R 15 EX W

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.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
No DST run.			Grand Haven	2247'
No Cores.			Tarkio	2321'
Well History: Clean out to TD 3160'. Drilled to 3162'. Set permanent BP @ 3125' w/1 sk cmt. Perf L-KC "B" zone 2864-69' w/2 SPF. Acidized w/750 gal 28% HCl. Swab tested. Set BP @ 2415' w/1 sk cmt. Perforated 2352-60' w/2 SPF. Frac w/10,000 gal gelled water and 15,750# 10-20 sand. Put well on pump.			Elmont	2375'
			Topeka	2563'
			Heebner	2785'
			Toronto	2807'
			L-KC	2839'
			Arbuckle	3153'
	E. Logs, GR-Neutron & Cement Top			

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received _____
 Signature: W. Z. Ward
 Title: District Superintendent
 Date: 9/24/76

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