

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCHAPI No. 15 — 167 — 20,964
County Number

Operator

Sohio Petroleum Company

Address

Box 673 Russell, Kansas 67665

Well No.

#5

Lease Name

Sutton-Mai

Footage Location

990

feet from ~~XX~~ (S) line

400

feet from ~~XX~~ ~~XX~~ line

E

Principal Contractor

Shields Drilling Co., Inc.

Geologist

Francis Whisler

Spud Date

10/16/76

Total Depth

3157'

P.B.T.D.

BP 2412'

Date Completed

11/8/76

Oil Purchaser

Sohio Petroleum Company

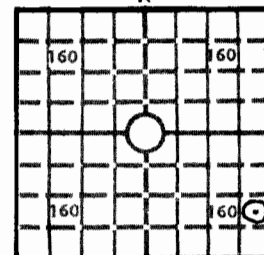
S. 5 T. 12 R. 15 E W

Loc. NE SE SE

County Russell

640 Acres

N



Locate well correctly

Elev.: Gr. 1675'

DF KB 1680'

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#	598'	Class A Class A	155 150	2% Gel, 3% CaCl, 2% Salt, 10# Gil 3% CaCl, 2% salt, 5# Gil
Production	7-7/8"	4-1/2"	11.6	3151'	Howcolite 50-50 Poz	200 200	All w/18% salt, 10# Gil, 3/4% CFR-2

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
	None	

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
See Well History		

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	2326'	-----

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
See Well History	

INITIAL PRODUCTION

Date of first production 11/9/76	Producing method (flowing, pumping, gas lift, etc.) Pumping
RATE OF PRODUCTION PER 24 HOURS	Oil 37 bbls. Gas 0 MCF Water 37 bbls. Gas-oil ratio 0 CFPB
Disposition of gas (vented, used on lease or sold) -----	Producing interval (s) Tarkio 2326-34'

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.

Operator Sohio Petroleum Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 5	Lease Name Sutton-Mai	Oil	
S <u>5</u> T <u>12</u> R <u>15</u> ^E _W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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 DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME DEPTH
<p>Cored: 2322-42'</p> <p>DST #1: 2302-42'</p> <p>IF 30, ISI 60, FF 60, FSI 120 with strong blow throughout test. Recovered 1620' of gas in pipe, 270' of muddy gassy oil and 70' slight oil cut muddy water: IFP 46-101 PSI; FFP 101-164 PSI; IBHP 515 PSI; FBHP: 507 PSI</p> <p>Well History:</p> <p>Drilled TD 3157'. Ran production csg, move in, swab down to 3086', perforate w/1 DML XIX jet @ 2858', 2842', 2824', dumped 2000 gal 28% inhibited acid. Perforate L-KC "C" 2856-62'; "B" 2840-46'; "A" 2820-26' all w/2 DML/XT. Swab tested Set Baker P-1 BP @ 2851', swab tested. Set Baker P-1 permanent BP @ 2412' w/1 sk cement on top. Perf 3rd Tarkio 2326-34' w/2 DML XIX jets/ft. Swab hole. Fraced w/500 gal aromatic acid, 3000 gal gelled water pad, 9000 gal gelled water w/17,000# 10-20 sand. Ran tubing and rods, put well on pump.</p> <p>Logs: GR Neutron-LL Caliper GR Collar Cement Top</p>			<p>Grand Haven 2222'</p> <p>Dover Lime 2257'</p> <p>Tarkio Lime 2297'</p> <p>Elmont Lime 2352'</p> <p>Topeka 2539'</p> <p>Heebner 2760'</p> <p>Toronto 2783'</p> <p>Douglas 2795'</p> <p>L-KC 2815'</p> <p>Arbuckle 3147'</p>
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="margin-bottom: 5px;"><i>W. Z. Ward</i></div> <div style="margin-bottom: 5px;">Signature</div> <div style="margin-bottom: 5px;">District Superintendent</div> <div style="margin-bottom: 5px;">Title</div> <div style="margin-bottom: 5px;">1/12/77</div> <div>Date</div>		

LS9hb