

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, KANSAS

API No. 15 — 167 — 20,960
County Number

Operator

Sohio Petroleum Co.

Address

Box 673 Russell, Kansas 67665

Well No.

#14

Lease Name

C. C. Oswald

Footage Location

1650 feet from ~~XXX~~ (S) line 2310 feet from (E) ~~XXXX~~ line

Principal Contractor

Shields Drilling Co., Inc.

Geologist

Francis Whisler

Spud Date

9/7/76

Total Depth

3274'

P.B.T.D.

2540'

Date Completed

10/2/76

Oil Purchaser

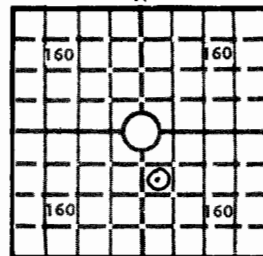
Sohio Petroleum Company

S. 8 T. 12 R. 15 E
W

Loc. SW NW SE

County Russell

640 Acres
N



Locate well correctly

Elev.: Gr. 1812'

DF KB 1817'

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#	130'	Class A	125	2% CaCl, 3% salt
Production	7-7/8"	5-1/2"	14#	3268'	Howcolite 50-50 Poz	200 150	All w/10# Gil, 18% salt, 3/4% CFR-2
		DV Tool @		882'	Howcolite	225	10# Gilsonite

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
	NONE	

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
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TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	2459'	NONE

See well history.

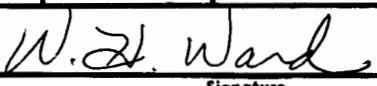
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
See well history.	

INITIAL PRODUCTION

Date of first production 10/9/76		Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 17 bbls.	Gas 0 MCF	Water 63 bbls.	Gas-oil ratio 0 CFPB	
Disposition of gas (vented, used on lease or sold) -----			Producing interval(s) Tarkio 2460-70'		

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. 14	Lease Name C. C. Oswald	Oil	
S 8 T 12 R 15 ^{XX} 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
DST #1: 2434-2475' Tool open: 30 min w/fair blow Shut in: 60 min Tool open: 60 min w/weak blow Shut in: 120 min Rec: 120' of very slight oil & gas cut mud. IFP: 60 to 60 PSI IBHP: 526 PSI FFP: 70 to 101 PSI FBHP: 506 PSI Well History: Drilled TD 3274' Set 5½" production casing. Moved in Cable tools, drilled out DV tool, cleaned out to 3274', swab tested open hole, set WL BP @ 3246' w/1 sk cmt, perf L-KC "A" 2944-52', "B" 2970-74', "F" 3024-28', "G" 3035-39', acidized w/2000 gal 28% acid, swab tested. Set Baker 2AA permanent BP @ 2540' w/1 sk cmt on top. Perforated 2460-70' w/2 holes/ft, dumped 350 gal 15% acid, 135 gal solvent, 15 gal Paracheck 140. Fraced w/17,250# of 10-20 sd, 7000 gal gelled water, ran tubing & rods, put well on pump. Cored: 2454-2475' Logs: GR-Neutron-Laterolog Caliper			Grand Haven 2354' Dry Shale 2364' Langdon Sh 2390' Tarkio Lime 2428' Willard Sh 2456' 3rd Tarkio Sd 2459' Elmont 2483' Topeka 2671' Heebner 2890' Toronto 2911' L-KC 2944' Arbuckle 3266'
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="text-align: center;">  Signature District Superintendent Title 11/4/76 Date </div>		

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