

State Geological Survey

WICHITA, BRANCH

KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request
samples on this well.

API No. 15 — 167 — 21,254
County Number

Operator

Sohio Petroleum Co.

Address

Box 673 Russell, Kansas 67665

Well No.

#12

Lease Name

Ed Oswald "A"

Footage Location

1320 feet from (N) (S) line

1980 feet from (E) (W) line

Principal Contractor

Emphasis Oil Operations

Geologist

Francis Whisler

Spud Date

12/5/78

Total Depth

3237'

P.B.T.D.

Date Completed

1/11/79

Oil Purchaser

Sohio Petroleum Company

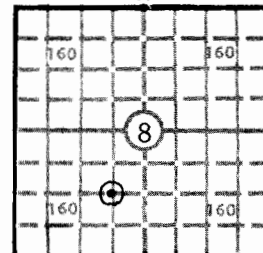
S. 8 T. 12 R. 15 E W

Loc. C E2 SW

County Russell

640 Acres

N



Locate well correctly

Elev.: Gr. 1836'

DF KB 1841'

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"	28#	151'	60-40 Poz Class A	75 50	2% gel, 3% CaCl 2% CaCl
Production	7-7/8"	5-1/2"	14#	3236'	Howcolite 50-50 Poz	75 125	18% salt, 10# Gil/sx 3/4% CFR-2
Cemented thru DV tool at				898'	Howcolite	200	10# Gil/sx

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
None		

TUBING RECORD

Size	Setting depth	Packer set at
2-1/2"	3232'	None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal 28% NE, displaced w/250 gal SW. Acidized @ 2 GPM @	OH 3236-37'
300# MP.	

INITIAL PRODUCTION

Date of first production 1/15/79	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 39 bbls.	Gas ---- MCF	Water 31 bbls.	Gas-oil ratio -- CFPB
Disposition of gas (vented, used on lease or sold) -----			Producing interval (s) Arbuckle open hole 3236-37'	

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. 12	Lease Name Ed Oswald "A"	oil																													
S <u>8</u> T <u>12</u> SR <u>15</u> 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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">NAME</th> <th style="padding: 5px;">DEPTH</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">Grand Haven</td><td style="padding: 5px;">2352'</td></tr> <tr><td style="padding: 5px;">Dry Shale</td><td style="padding: 5px;">2361'</td></tr> <tr><td style="padding: 5px;">Dover Lime</td><td style="padding: 5px;">2386'</td></tr> <tr><td style="padding: 5px;">Langdon Shale</td><td style="padding: 5px;">2388'</td></tr> <tr><td style="padding: 5px;">Tarkio Lime</td><td style="padding: 5px;">2426'</td></tr> <tr><td style="padding: 5px;">Willard Shale</td><td style="padding: 5px;">2453'</td></tr> <tr><td style="padding: 5px;">Elmont Lime</td><td style="padding: 5px;">2480'</td></tr> <tr><td style="padding: 5px;">Topeka Lime</td><td style="padding: 5px;">2668'</td></tr> <tr><td style="padding: 5px;">Heebner Shale</td><td style="padding: 5px;">2888'</td></tr> <tr><td style="padding: 5px;">Toronto Lime</td><td style="padding: 5px;">2908'</td></tr> <tr><td style="padding: 5px;">L-KC</td><td style="padding: 5px;">2942'</td></tr> <tr><td style="padding: 5px;">BKC</td><td style="padding: 5px;">3192'</td></tr> <tr><td style="padding: 5px;">Arbuckle</td><td style="padding: 5px;">3235'</td></tr> </tbody> </table>	NAME	DEPTH	Grand Haven	2352'	Dry Shale	2361'	Dover Lime	2386'	Langdon Shale	2388'	Tarkio Lime	2426'	Willard Shale	2453'	Elmont Lime	2480'	Topeka Lime	2668'	Heebner Shale	2888'	Toronto Lime	2908'	L-KC	2942'	BKC	3192'	Arbuckle	3235'
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<p>No cores.</p> <p>Logs: Gamma-Guard-Sidewall Neutron & Caliper</p> <p>DST #1: 2434-2470'</p> <p>5-60-60-120 with strong blow</p> <p>Recovery: 5' of SOCM</p> <p style="padding-left: 40px;">120' mud w/specks of oil</p> <p>IFP: 101 to 91 psi</p> <p>IBHP: 475 psi</p> <p>FFP: 91 to 101 psi</p> <p>FBHP: 404 psi</p> <p>Nitrates: Drilling Mud 180 ppm</p> <p style="padding-left: 40px;">DST fluid 168 ppm</p> <p style="padding-left: 80px;">159 ppm</p> <p style="padding-left: 80px;">178 ppm</p> <p>DST #2: 2835-2870'</p> <p>3-60-60-120 w/fair blow</p> <p>Recovery: 150' of gas</p> <p style="padding-left: 40px;">50' oil cut mud</p> <p style="padding-left: 40px;">30' of mud w/oil spot</p> <p>IFP: 50-52 psi</p> <p>IBHP: 551 psi</p> <p>FFP: 60-84 psi</p> <p>FBHP: 512 psi</p> <p>Nitrates: Drilling mud 156 ppm</p> <p style="padding-left: 40px;">DST fluid 152 ppm</p>																															
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.																															
Date Received	<div style="font-family: cursive; font-size: 1.2em; margin-bottom: 5px;">W. H. Ward</div> <div style="border-top: 1px solid black; width: 100%;"></div> <div style="text-align: center; font-size: 0.8em;">Signature</div> <div style="border-top: 1px solid black; width: 100%;"></div> <div style="text-align: center;">District Superintendent</div> <div style="border-top: 1px solid black; width: 100%;"></div> <div style="text-align: center; font-size: 0.8em;">Title</div> <div style="border-top: 1px solid black; width: 100%;"></div> <div style="text-align: center;">February 9, 1979</div> <div style="border-top: 1px solid black; width: 100%;"></div> <div style="text-align: center; font-size: 0.8em;">Date</div>																														

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