

State Geological Survey

WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 8 T. 12 R. 15 ^K W

API No. 15 — 167 — 20,838
County Number

Loc. NE NW SE

County Russell

Operator
Sohio Petroleum Company

Address
Box 673 Russell, Kansas 67665

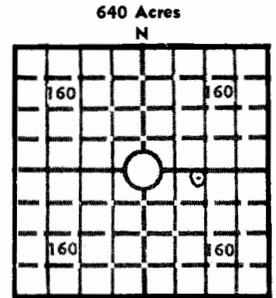
Well No. #11 Lease Name C. C. Oswald

Footage Location
2310 feet from (S) line 1650 feet from (E) line

Principal Contractor: Abercrombie Drilling, Inc. Geologist: Francis Whisler

Spud Date: February 2, 1976 Total Depth: 3257.5' P.B.T.D.: 2,572'

Date Completed: May 1, 1976 Oil Purchaser: Sohio Petroleum Company



Locate well correctly
Elev.: Gr. 1811'

DF KB 1869'

MAR 17 1976
MAR 17 1976

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#	131.32' KB	Common	125	2% Salt, 3% CaCl
Production	7-7/8"	5-1/2"	14#	3251' KB	50/50 POZ Howcolite	150 200	10# G1, 1% salt, 3/4% CFR-2 " " " " " " " "
		DV tool @		888' KB	Howcolite	225	10# Gilsonite

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			
2-7/8"	2467'	----			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
See back	See back

INITIAL PRODUCTION

Date of first production May 1, 1976	Producing method (flowing, pumping, gas lift, etc.) Pumping
RATE OF PRODUCTION PER 24 HOURS	Oil 59 bbls. Gas 0 MCF Water 25 bbls. Gas-oil ratio 0 CFPB
Disposition of gas (vented, used on lease or sold) 0	Producing interval (s) 2466-77'

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. 11	Lease Name C. C. Oswald	Oil
S 8 T 12S R 15 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
<p>Logs: GR-Neutron w/Cmt Top & Collar Log</p> <p>No cores</p> <p>DST #1: 3229-3253'</p> <p>Tool open 20 minutes, with weak blow dead in 15 minutes. Shut in 60 minutes. Tool open 30 minutes with no blow, tool shut in 90 minutes.</p> <p>Rec: 20' of oil specked mud</p> <p>IFP: 22 to 30 PSI</p> <p>IBHP: 218 PSI</p> <p>FFP: 32# to 32# PSI</p> <p>FBHP: 173# PSI</p> <p>Well History: (From attached)</p> <p>Drilled TD 3257.5'</p> <p>Set 5-1/2" production casing at 3251'. Acidized open hole w/500 gal 15% NE acid, swab tested. Set BP @ 3238'. Perforate L-KC w/2 SPF and acidize as follows:</p> <p>"A" 2953-63' w/1000 gal acid</p> <p>"B" 2976-82' w/500 " "</p> <p>"C" 2992-98' w/500 " "</p> <p>"H" 3086-90' w/400 " "</p> <p>"J" 3128-36' w/800 " "</p> <p>"K" 3164-68' w/400 " "</p> <p>Tested above L-KC perforations. Set Baker P-2AA BP @ 2550'.</p> <p>Perf 2508-9 w/4 holes.</p> <p>" 2440-41 w/4 holes.</p> <p>" 2466-77 w/2 Jets/ft.</p> <p>Filled up hole with sand to 2490', set pkr @ 2450' & fraced 2466-77 w/350 gal 15% acid, 150 gal, aromatic solvent, 9000 gal gelled water, 17500# 10-20 sd, clean out to TD of 2,572', put well on pump.</p>			<p>Grand Haven Lime</p> <p>Dry Shale</p> <p>Dover Lime</p> <p>Langdon Shale</p> <p>Tarkio Lime</p> <p>3rd Tarkio Sd</p> <p>Elmont Lime</p> <p>Topeka Lime</p> <p>Heebner Shale</p> <p>Toronto Lime</p> <p>Douglas Shale</p> <p>L-KC</p> <p>Arbuckle</p>	<p>2360'</p> <p>2370'</p> <p>2392'</p> <p>2395'</p> <p>2433'</p> <p>2465'</p> <p>2488'</p> <p>2676'</p> <p>2896'</p> <p>2917'</p> <p>2931'</p> <p>2950'</p> <p>3249'</p>

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

Date Received	<p><i>W. Z. Ward</i></p> <p>Signature</p> <p>District Superintendent</p> <p>Title</p> <p>May 25, 1976</p> <p>Date</p>
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9816

15-161-20838

8-12S-15W

State Geological Survey
WICHITA, BRANCH

CONTRACTOR'S WELL LOG

OPERATOR:	Sohio Petroleum Co.
CONTRACTOR:	Abercrombie Drilling, Inc.
WELL NAME:	C. C. Oswald #11
LOCATION:	NE NW SE Section 8-12S-15W Russell County, Kansas
SPUD DATE:	February 3, 1976
COMPLETION DATE:	February 10, 1976

0	8	Clay
8	70	Sand
70	280	Shale
280	400	Sand
400	700	Shale
700	740	Sand
740	864	Shale
864	900	Anhydrite
900	1378	Shale & Lime
1378	2365	Lime & Shale
2365	2517	Lime
2517	2742	Lime & Shale
2742	3253	Lime
	3253	Rotary Total Depth

Drilled 133' of 12 1/2" hole. Ran 3 jts. of 8 5/8" 28# casing, set @ 131.32 K.B. Cemented with 125 sx. Common, 2% salt, 3% ca. cl. Cement circulated. Plug was down @ 12:00 midnight February 2, 1976.

Ran 83 jts. of 5 1/2" casing. Plug was down @ 2:00 a.m. February 10, 1976.

STATE OF KANSAS)
)
COUNTY OF SEDGWICK) SS

Jerry A. Langrehr-Exec. Vice President of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the C. C. Oswald #11, NE NW SE Section 8-12S-15W Russell County, Kansas.

ABERCROMBIE DRILLING, INC.
By: Jerry A. Langrehr
Jerry A. Langrehr-Exec. M.P.

Subscribed and sworn to before me, a Notary Public, in and for the aforesaid county and state as of this 11th day of February, 1976.

[Notary Seal]