

STATE OF KANSAS  
STATE CORPORATION COMMISSION  
200 Colorado Derby Building  
Wichita, Kansas 67202

WELL PLUGGING RECORD  
K.A.R.-82-3-117

15-097-  
API NUMBER 20598-0000

LEASE NAME Rinkel

WELL NUMBER B 1-11

1650 Ft. from X <sup>N</sup> Section Line

330 Ft. from X <sup>W</sup> Section Line

SEC. 11 TWP. 28S RGE. 16 (E or W)

COUNTY Kiowa

Date Well Completed 2/19/80

Plugging Commenced 3-19-88

Plugging Completed 3-30-88

LEASE OPERATOR ONEOK Exploration

ADDRESS R.R.#1 Box 122A El Reno, OK 73036-9702

PHONE# (405) 721-9264 OPERATORS LICENSE NO. 4548

Character of Well Oil & Gas

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Did you notify the KCC District Office prior to plugging this well? yes

Which KCC Office did you notify? Dodge City

Is ACO-1 filed? \_\_\_\_\_ If not, Is well log attached? yes

Producing Formation Miss Depth to Top \_\_\_\_\_ Bottom T.D. 4713'

Show depth and thickness of all water, oil and gas formations. Plug Back TD - 4683'

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
				8 5/8"	376'	None
				4 1/2"	4712'	2600'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.  
4 sx hull, 10 sx jell, 50 sx cement; 10 sx jell, 1 sx hull, dropped a plug, 120 sx cement, 60/40 POZ, 6% jell, Allied Cementing pumped cement

Paul Luthie & Elmo Morgenstern on location  
(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Clarke Corporation License No. 5105

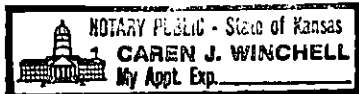
Address P.O. Box 187 Medicine Lodge, Ks 67104

STATE OF Kansas COUNTY OF Barber, ss.

Elmo Morgenstern (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) Elmo Morgenstern

(Address) Medicine Lodge, Ks 67104



SUBSCRIBED AND SWORN TO before me this 1 day of RECEIVED, 19 88

STATE CORPORATION COMMISSION

Caren J. Winchell  
Notary Public  
APR - 4 1988

My Commission Expires: June 21, 1991

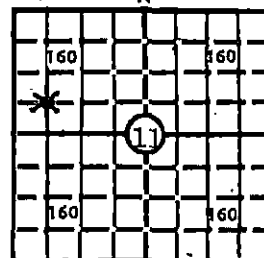
# KANSAS DRILLERS LOG

API No. 15 — 097 — 20598 — *Day*  
 County Number

S. 11 T. 28 R. 16 <sup>X</sup><sub>W</sub>  
 Loc. C SW NW

County Kiowa

640 Acres  
 N



Locate well correctly

Elev.: Gr. 2117

DF 2119 KB 2122

Operator  
 Imperial Oil Company

Address  
 720 Fourth Financial Center, Wichita, KS 67202

Well No. 1-11 Lease Name RINKEL, "B"

Footage Location  
 1650 feet from (N) (X) line 330 feet from (W) line

Principal Contractor Red Tiger Drlg. Co. Geologist Peter J. Stubbs

Spud Date 1/27/80 Total Depth RTD 4713' P.B.T.D.

Date Completed 2/19/80 Oil Purchaser Permian

## 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"		376'	LW Common	175 125	
Production		4 1/2"		4712'	LW Common	75 125	18% salt, 3/4% CFR-2

## LINER RECORD

## PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth Interval
					4691-95'
<b>TUBING RECORD</b>					4682-85'
Size	Setting depth	Packer set at			
	4674'				

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
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## INITIAL PRODUCTION

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 Wichita, Kansas

Date of first production 2/20/80 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS	Oil 47.9 bbls.	Gas 183 MCF	Water	Gas-oil ratio	CFPB
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Disposition of gas (vented, used on lease or sold) To be sold Producing interval(s) 4682-85'

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 Imperial Oil Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. I-11	Lease Name Rinkel "B"	Oil & Gas
S 11 T 28 R 16 W		Kiowa Co., Kansas

**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.

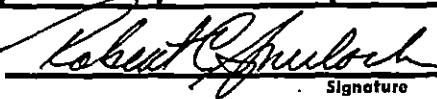
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
				E-Log Tops
DST #1 4570-4609' 60/60/60/60 Rec. 5' DM IFP: 34-42# ISIP: 153# FFP: 34-42# FSIP: 153#			Heebner	3994 (-1872)
			Brown Lime	4137 (-2015)
			Lansing	4153 (-2031)
			B/KC	4505 (-2383)
DST #2 4644-62' 60/60/60/60 Rec. 40' DM IFP: 17-17# ISIP: 280# FFP: 26-26# FSIP: 254#			Cher. Shale	4633 (-2511)
			Cher. Sand	4653 (-2531)
			Eros. Miss.	4682 (-2560)
			Miss.	4689 (-2567)
DST #3 4682-4700' 60/120/180/120 GTS/20", started at 9 MCF, incr. to 42 MCF. 2nd open, stab. @ 140 MCF Rec. 1550' CGO IFP: 42-153# ISIP: 1458# FFP: 161-415# FSIP: 1458#			Kind. Shale	4697 (-2575)
			Kind. Sand	4702 (-2580)
			LTD	4723 (-2601)
DST #4 4702-22' 60/60/60/60 Rec. 90' DM IFP: 34-42# ISIP: 119# FFP: 51-59# FSIP: 110#				

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Wichita, Kansas

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

Date Received	
	Signature
	Attorney-in-Fact
	Title
	April 29, 1980
	Date

15-097-20598

State Geological Survey

WICHITA, BRANCH

DRILLERS LOG

No. 1-11 Rinkel "B"

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DESCRIPTION:

FEB 20 1980  
NW 1/4 SW 1/4 NW 1/4  
Sedgwick County, Kansas  
Section 11, T28S-R16W  
Kiowa County, Kansas

CASING RECORD: COMPANY: Imperial Oil Company  
8 5/8" @ 376' CONTRACTOR: Red Tiger Drilling Company  
w/300 sx cement  
4 1/2" @ 4,712' COMMENCED: January 27, 1980  
w/200 sx cement COMPLETED: February 9, 1980  
TOTAL DEPTH: 4,713'

ELEVATION: 2,117' GR

FORMATION	FROM	TO	REMARKS
Sand	0	270	
Shale & Sand	270	1130	
Shale	1130	2420	
Shale & Lime	2420	2625	
Lime & Shale	2625	3065	
Lime	3065	3875	
Lime & Shale	3875	4025	
Lime	4025	4713	
RT		4713	

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Gloria Fawcett  
Gloria Fawcett


Subscribed and sworn to before me this 18th day of February, 1980.

Joyce A. Hagermann  
Notary Public

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CONSERVATION DIVISION  
Wichita, Kansas

 Joyce A. Hagermann  
NOTARY PUBLIC  
Sedgwick County, Kansas  
My Appt. Exp 10-18-80