

15-155-20477

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

State Geological Survey
KANSAS DRILLERS LOG
WICHITA BRANCH

API No. 15 — 155 — 20,477
County Number

Operator
N. C. R. A.

Address
Box 6 Great Bend, Kansas 67530

Well No. #1 Lease Name Trembley

Footage Location
1179 feet from (N) line 1179 feet from (E) line NW/4

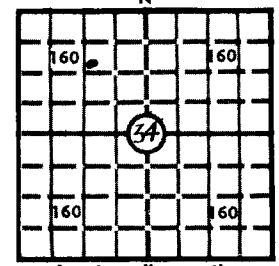
Principal Contractor RED TIGER DRILLING RIG #3 Geologist RAYMOND M. GOODIN

Spud Date JAN. 4, 1978 Total Depth 3725' P.B.T.D.

Date Completed FEB. 9, 1978 Oil Purchaser N.C.R.A.

S. 34 T. 24 R. 8 ^E_W
Loc. CNW 100' NE L NW

County Reno
640 Acres



Elev.: Gr. 1589'

DF KB 1594'

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 1/2"	8 5/8"	20 #23*	223'	COMMON	175	3% CaCl.
PRODUCTION	7 7/8"	5 1/2"	15.5 #	3725'	50/50 Poz.	150	18% SALT + 3 1/4 OF 1% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	WELEX SSP	3482-92'
TUBING RECORD					
Size <u>2 3/8"</u>	Setting depth <u>3450'</u>	Packer set at <u>3452'</u>			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production <u>FEB. 9, 1978</u>	Producing method (flowing, pumping, gas lift, etc.) <u>FLOWING</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>116</u> bbls. Gas <u>20</u> MCF Water <u>0</u> bbls. Gas-oil ratio <u>172.4</u> CFPB
Disposition of gas (vented, used on lease or sold) <u>USED ON LEASE</u>	Producing interval(s) <u>3482-92'</u>

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 N.C.R.A.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDOW, ETC.: OIL & GAS		
Well No. 1	Lease Name TREMBLY			
S 34 T 24 R 8 W 100' NE C NW				
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	
LIMESTONE - DARK GREY TO LIGHT BROWN, MED. CRYSTALLINE, VUGGY, GOOD ODOR, GOOD VISUAL POROSITY, YELLOW FLUORESCENCE. DST #1 15-30-60-60 IHP 718# ISIP 181# IFP 32-24# FFP 24-24# FSIP 131# FHP 669# WEAK BLOW 1ST OPEN. FAIR TO WEAK BLOW 2ND OPEN. REC. 5' DRLG. MUD. NO SHOWS OF OIL OR GAS. TEMP. 82°.	3481'	3494'	SAMPLE TOPS: TOWANDA LIME 1297' INDIAN CAVE 2125' TARKIO 2325' TOPEKA 2630' BASE KS. CITY 3533' CONGLOMERATE 3644' MISSISSIPPI 3668' KINDERHOOK 3679' RTD 3725'	
		1290'	1307'	LOG TOPS: HEEBNER 2960' DOUGLAS 3016' DOUGLAS SAND 3056' LANSING 3152' BASE-KS. CITY 3530' CONGLOMERATE 3642' LTD 3724'
	DST #2 15-30-45-60 IHP 1808# ISIP 1421# IFP 118-247# FFP 296-718# FSIP 1401# FHP 1798# GAS TO SURFACE IN 12MINS. ON 1ST FLOW. 2ND FLOW (5MIN. INTERVALS) 7.06 MCF - 12.5 MCF - 15.5 MCF - 17.8 MCF - 19.4 MCF - 21.2 MCF - 22.5 MCF - 23.3 MCF. HIT OIL W/2900' OF DRILL PIPE IN HOLE. REC. EST. 1800' OIL.	3465'	3500'	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	 Signature DISTRICT / SUPERINTENDENT Title FEBRUARY 21, 1978 Date			

DRILLERS LOG

No. 1 Trembley

CASING RECORD: 8 5/8" @ 223'
w/175 sx cement
5 1/2" @ 3,723'
w/150 sx cement
TOTAL DEPTH: 3,725'

COMPANY: National Cooperative Refinery Asso.
CONTRACTOR: Red Tiger Drilling Company
COMMENCED: January 4, 1978
COMPLETED: January 14, 1978

DESCRIPTION: C NW/4
Sec. 34-T24S-R8W
Reno County, Kansas
ELEVATION: 1,593' KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Surface Sand & Clay	0	30	
Watery Sand	30	43	
Red Sand	43	170	
Gray shale	170	226	
Red Bed	226	385	
Shale w/Lime Streaks	385	805	
Shale & Lime	805	1122	
Lime	1122	1489	
Lime & Shale Streaks	1489	1540	
Lime	1540	3050	
Shale & Lime	3050	3205	
Lime & Shale	3205	3317	
Lime	3317	3665	
Lime & Shale	3665	3725	
RTD		3725	

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 17th day of January, 1978.

Joyce A. Hagermann