

State Geological Survey

WICHITA BRANCH KANSAS DRILLERS LOG

CORRECTED COPY

15-647-20327

API No. 15 — 047 — 20327
County Number

S. 14 T. 25 R. 18 ^{EX}W

Loc. 100' SW/SW NE

County Edwards

Operator

Imperial Oil Company

Address

720 Fourth Financial Center, Wichita, Kansas 67202

Well No.

1-14

Lease Name

Full Service

Footage Location

555 feet from (X) (S) line

555 feet from (X) (W) line

Principal Contractor

Red Tiger Drilling Company

Geologist

Bill Iversen

Spud Date

2/6/78

Total Depth

4585'

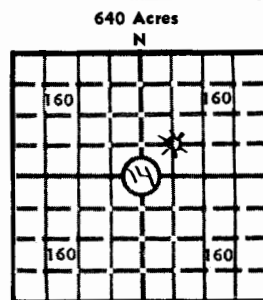
P.B.T.D.

4480'

Date Completed

3/23/78

Oil Purchaser



Elev.: Gr. 2169

DF 2171 KB 2174

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"		607'	Lite Wt. Common	150 200	3% CaCl
Production		5 1/2"	15#	4584'	Lite Wt. Pozmix	75 125	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Jumbo Jet	4566-4570
			4	Jumbo Jet	4415-4420
Size	Setting depth	Packer set at			

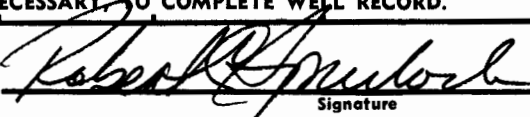
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gals. 15% MCA, 500 7 1/2% MCA, 33,000 Gals. Versa Frac, 15,000# 20/40 Sand	4566-4570'
Set Bridge Plug	4480'
200 Gals. 15% MCA	4415-4420'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)		
SIGW				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	19,500(4-pt) MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)	
to be sold			4415-4420'	

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. 1-14	Lease Name Full Service	Gas	
S 14 T 25 R 18 ^W		100' SW/SW NE Edwards County, KS	
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.		E-Log Tops:	
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME DEPTH
DST #1: 3786-3821' 30-60-30-60 Rec. 120' wtry mud, 258' wtr. IFP: 20-131 ISIP: 1335 FFP: 131-171 FSIP: 1335			Winfield 2422 (- 246) Ft. Riley 2535 (- 361) Council Grove 2720 (- 546) Bader 2818 (- 644) Foraker 3057 (- 883) Wabaunsee 3165 (- 991) Stotler 3302 (-1128) Heebner 3891 (-1717) Brown Lime 4021 (-1947)
DST #2: 4213-4254' 60-120-180-120 Rec. 2100' water IFP: 58-602 ISIP: 1519 FFP: 602-1229 FSIP: 1519			Lansing 4030 (-1960) B/Kansas City 4349 (-2175) Marmaton 4402 (-2222) Cherokee 4512 (-2338) Miss. Chert 4564 (-2390) RTD 4570 LTD 4568
DST #3: 4533-4555' 60-120-60-120 Rec. 100' mud SGC & spk oil IFP: 48-58 ISIP: 214 FFP: 58-78 FSIP: 127			
DST #4: 4563-4570' 60-120-180-120 Rec. 60' sl thin mud, 60' thin mud sl salty, some formation water. 2nd Op, GTS/2", Ga. 3.95 MCF & stab. IFP: 29-49 ISIP: 1500 FFP: 49-78 FSIP: 1432			
DST #5: (strad) 4388-4423' bottom packer did not hold. 60-120-180-120 GTS/2" Rec. 90' oil. 1st Op, Ga 3.31 MMCF & stab. 2nd Op, Ga. 3.88 MMCF & stab. IFP: 497-675 ISIP: 1525 FFP: 527-616 FSIP: 1505			
DST #6: 4567-4585 60-120-180-120 Rec. 60' mud, 60' wtry mud, 60' mdy wtr. GTS/30", Ga. 3.92 MCF IFP: 39-78 ISIP: 1490 FFP: 39-97 FSIP: 1432			
DST #7: (strad) 4256-4324' 60-120-180-120 Rec. 120' gas w/ sl oil, wtr cut mud, 1980' water GTS/10", TSTM IFP: 30-457 ISIP: 1495 FFP: 459-942 FSIP: 1495			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature Attorney-in-Fact Title May 12, 1978 Date		

State Geological Survey
WICHITA BRANCH

DRILLERS LOG

No. 1-14 Full Service

15-047-20327
14-25-18W

CASING RECORD: COMPANY: Imperial Oil Company DESCRIPTION:
8 5/8" @ 607' CONTRACTOR: Red Tiger Drilling Company 100' SW of C SW/4 NE/4
w/350 sx cement Sec. 14-T25S-R18W
5 1/2" @ 4,584' COMMENCED: February 6, 1978 Edwards County, Kansas
w/200 sx cement COMPLETED: February 22, 1978
TOTAL DEPTH: 4,585' ELEVATION: 2,172' KB

FORMATION	FROM	TO	REMARKS
Sand	0	185	
Sand & Shale	185	615	
Shale	615	1242	
Anhydrite	1242	1256	
Shale	1256	1620	
Shale & Lime	1620	2244	
Lime	2244	3585	
Lime & Shale	3585	3821	
Lime	3821	4585	
RTD		4585	

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 27th day of February, 1978.

Joyce A. Hagermann
Notary Public

RECEIVED
STATE CORPORATION COMMISSION

MAR 01 1978

▲ Joyce A. Hagermann