

KANSAS DRILLERS LOG

API No. 15 — 195 — 20,540
 County Number

S. 9 T. 13S R. 21W E
 W
 Loc. Approx. C N/2 S/2 NE/4
 County Trego

Operator
 Frontier Oil Company

Address
 1720 KSB&T Building, Wichita, Kansas

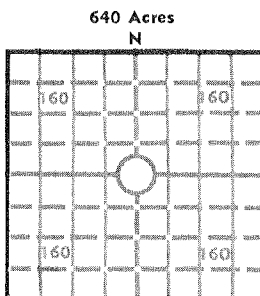
Well No. 5 Lease Name Keller "A"

Footage Location
 feet from (N) (S) line feet from (E) (W) line

Principal Contractor Red Tiger Drilling Co. Geologist Dick Parker

Spud Date February 21, 1979 Total Depth 3941' P.B.T.D.

Date Completed March 11, 1979 Oil Purchaser Koch



640 Acres
 N
 Locate well correctly
 Elev.: Gr. 2206
 DF 2208 KB 2,211'

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#	275'	Common	165	2% Gel, 3% C.C.
Production	7 7/8"	4 1/2"	9.5#	3,914'	Common	200	10% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
					Open Hole

Size	Setting depth	Packer set at
2-3/8"	3924	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal 15% INS	3914 - 3941

INITIAL PRODUCTION

Date of first production 6-15-79	Producing method (flowing, pumping, gas lift, etc.) Pump
RATE OF PRODUCTION PER 24 HOURS	Oil 15 bbls. Gas 0 MCF Water 120 bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval (s) 3914-41

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 Frontier Oil Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 5	Lease Name Keller "A"	Oil
S <u>9</u> T <u>13S</u> R <u>21W</u> E W		

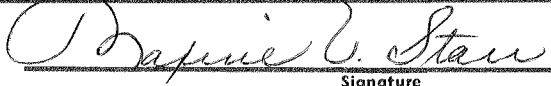
WELL LOG

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
Clay, Post Rock & Shale	0	276		
Shale	276	1085		
Sand	1085	1315		
Shale	1315	1345		
Red Bed	1345	1605		
Anhydrite	1605	1642		
Shale	1642	2370		
Shale & Lime	2370	2930		
Lime & Shale	2930	3248		
Lime	3248	3925		
RTD		3925		

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

Date Received	 Signature
	Office Manager Title
	September 25, 1979 Date