

**KANSAS DRILLERS LOG**

State Geological Survey  
WICHITA, BRANCH

S. 16 T. 14S R. 13 <sup>X</sup>/<sub>E</sub> W

API No. 15 — 167 — 21,382  
County Number

Loc. C N/2 N/2 NW/4

County Russell

Operator  
A. Scott Ritchie

Address  
Suite 950 - 125 N. Market; Wichita, Kansas

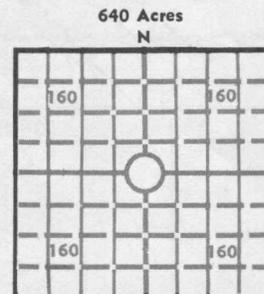
Well No. 1 Lease Name Bear

Footage Location  
330 feet from (N)  line 1320 feet from  (W) line

Principal Contractor Murfin Drilling Co. Geologist Kris Kennedy

Spud Date 12/03/79 Total Depth 3384' P.B.T.D.

Date Completed 3/17/80 (P&A) Oil Purchaser None



Locate well correctly  
Elev.: Gr. 1867'  
DF \_\_\_\_\_ KB 1872'

**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"	24-28#	304'	quickset	175	
production	4 1/2"	10.5#		3302'	60/40 pozmix	275	10% salt; 15 bbls brine preflush

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	SSB	3077' - 3082'
			4		2403' - 2408'

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
1200 gals 28% acid	3077' - 3082'
squeezed 33-34 sacks 60/40 poz	3077' - 3082'
squeezed 44 sacks 60/40 poz	3077' - 3082'
250 gals 15% HCL	2403' - 2408'
fracture treated with 6000 gals KCL treated water; <b>INITIAL PRODUCTION</b>	
coiled with nitrogen plus 20,000# of sand. (Producing method (flooding, pumping, gas lift, etc.)	2403' - 2408'

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	bbls.	CFPB

Disposition of gas (vented, used on lease or sold) \_\_\_\_\_ Producing interval (s) \_\_\_\_\_

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 A. Scott Ritchie DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: attempted oil well; P&A

Well No. 1 Lease Name Bear

s16 T14S R 13<sup>NE</sup> 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
DST #1 2477'-2555' Rec. 120' mud, no show oil. IFP 65-76#/30"; ISIP 674#/30"; FFP 87-109#/60"; FSIP 674#/60".				
DST #2 3055'-3109' Rec. 110' heavily gas cut mud. IFP 87-98#/30"; ISIP 976#/30"; FFP 109-109#/45"; FSIP 976#/45".				
DST #3 3327'-3364' Rec. 1636' muddy water, no show of oil. IFP 109-458#/30"; ISIP 976#/30"; FFP 523-712#/30"; FSIP 976#/30".			ELECTRIC LOG TOPS	
			Anh 821'	(+1051)
			B/Anh 858'	(+1014)
			Grand Haven	
			Ls 2390'	(- 518)
			1st Tarkio	
			Sand 2402'	(- 530)
			2nd Tarkio	
			Sand 2425'	(- 553)
			Tarkio	
			Ls 2460'	(- 588)
			Willard Shale	
			Sand 2477'	(- 605)
			Elmont	
			Ls 2525'	(- 653)
			Topeka	
			Ls 2733'	(- 861)
			Heeb Sh 2968'	(-1096)
			Tor Ls 2986'	(-1114)
			Lans 3036'	(-1164)
			B/Kc 3304'	(-1432)
			Arb 3349'	(-1477)
			LTD 3367'	(-1495)

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

Date Received

*F. Judson Hays*  
Signature

Geologist

Title

March 6, 1980

Date