

This log is to replace previous contractor's well log.

State Geological Survey
WICHITA, BRANCH

22-1-26W

KANSAS DRILLERS LOG

S. 22 T. 1 R. 26 K
W

API No. 15 — 039 — 20,265
County Number

Loc. NW NE

County Decatur

Operator
Abercrombie Drilling, Inc.

Address 801 Union Center
Wichita, Kansas 67202

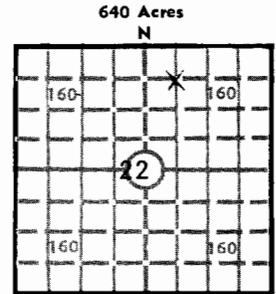
Well No. #2 Lease Name Richards

Footage Location
660 feet from (N) (S) line 1980 feet from (E) (W) line

Principal Contractor Abercrombie Drlg., Inc. Geologist Jack K. Wharton

Spud Date April 30, 1973 Total Depth 3580 P.B.T.D.

Date Completed May 8, 1973 Oil Purchaser



640 Acres
N
Locate well correctly
Elev.: Gr. 2436

DF 2442 KB 2444

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"	28#	219'	Common	170	2% gel

LINER RECORD

PERFORATION RECORD

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

TUBING RECORD

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production _____ Producing method (flowing, pumping, gas lift, etc.) _____

RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio CFPB
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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 67217. 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 **Abercrombie Drilling, Inc.** DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: **Dry Hole**

Well No. **2** Lease Name **Richards**

S 22 T 1S R 26 ^R/_W

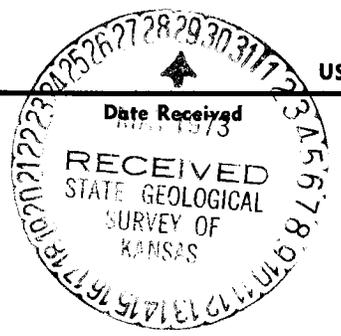
WELL LOG

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	0	180	Anhydrite	1904
Shale	180	970		
Shale & Sand	970	1608	Base/Anhy.	1932
Sand	1608	1902	Heebner	3197
Anhydrite	1902	1931		
Shale	1931	2800	Toronto	3233
Lime & Shale	2800	3243	Lansing	3240
Lime	3243	3580		
		3580	B/K.C.	3447
			Granite Wash	3558
			Total Depth	3581
<p>DST #1 (3234-3243) Open 15" - 45" - 60" - 45". Rec. 298' mdy water. IFP 21-53, IBHP 847, FFP 95-234, FBHP 826.</p> <p>DST #2 (3254-3273) 15" - 45" - 60" - 45". Rec. 60' oil, 120' ocm, 180' mdy water. IFP 42-42, IBHP 867, FFP 85-170, FBHP 857.</p> <p>DST #3 (3269-3285) 15" - 45" - 30" - 45". Rec. 30' mud/oil spots. IFP 21-21, IBHP 983#, FFP 31-21, FBHP 899.</p> <p>DST #4 (3397-3420) 15" - 45" - 60" - 45". Rec. 1230' water. IFP 512-502, IBHP 627, FFP 575-606, FBHP 637.</p> <p>DST #5 (3269-3280((S.P.)) 30" - 45" - 30" - 45". Rec. 10' ocm, 2' oil, IFP 14-14, IBHP 489, FFP 19-19, FBHP 129.</p>				

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



Jack K. Wharton
 Jack K. Wharton Signature
 Geologist Title
 May 9, 1973 Date