State Geological Survey
WICHITA BRANCH

15-007-20539

KANSAS DRILLERS LOG

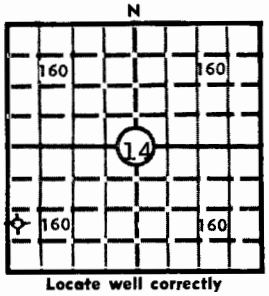
API No. 15 — 007 (County) — 20,539 (Number)

S. 14 T. 32S R. 12 E/W

Loc. 100' NW of NW SW SW

County Barber

640 Acres



Locate well correctly

Elev.: Gr. 1537

DF _____ KB 1545

Operator: The Maurice L. Brown Company	
Address: 200 Sutton Place, Wichita, Kansas 67202	
Well No.: 2	Lease Name: Vanderwork
Footage Location: 1060 feet from (N) (S) line	260 feet from (E) (W) line
Principal Contractor: Abercrombie Drlg., Inc.	Geologist: Peter J. Stubbs
Spud Date: 8/20/77	Total Depth: 4900' / P.B.T.D.
Date Completed: 9/14/77	Oil Purchaser:

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	12¼ 7 7/8	8 5/8"	24#	295'	Common	275	3% CC

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval

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

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 6044.

erator

The Maurice L. Brown Company

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No.	Lease Name	
2	Vanderwork	Dry

S 14 T 32S R 12 E/W Barber County

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

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

Date Received

M. L. Kaughman
Signature

Geologist
Title

Sept 21, 1977
Date

The Maurice L. Brown Company | #2 Vanderwork | 100' NW of NW SW SW
Barber County | Sec. 14-T32S-R12W

Contr: Abercrombie Drlg., Inc.

Elev: 1545' KB Comm: 8/20/77 Comp: 9/14/77 IP: Dry Hole

Casing: 8 5/8" 295'/275 sxs

Log Tops	Depth	Datum
Heebner	3584	-2039
Lansing	3786	-2241
Base KC	4248	-2703
Miss Chert	4345	-2800
Miss Lime	4435	-2890
Kinderhook	4534	-2989
Viola	4635	-3090
Simpson Shale	4723	-3178
Simpson Sand	4726	-3181
Arbuckle	4785	-3240
Total Depth	4885	-3340

(Adjusted to true vertical depth)

(DST's not adjusted to true vertical depth)

DST #1 4345-73'
45"-45"-45"-60"
Rec. 360' GIP, 60' GC,SOCM w/free oil in top
IFP 32-49#
ISIP 113#
FFP 49-49#
FSIP 113#

DST #2 4373-4388'
60"-60"-60"-90"
Rec. 300' SOCMSW
IFP 32-89#
ISIP 1880#
FFP 89-145#
FSIP 1880#

DST #3 4710-4774'
60"-60"-60"-90"
Rec. 30' DM
IFP 8-16#
ISIP 97#
FFP 16-24#
FSIP 73#

DST #4 4732-4815' Straddle
60"-60"-60"-90"
Rec. 10' DM
IFP 8-16#
ISIP 808#
FFP 16-16#
FSIP 824#

DST #5 4658-4704' Straddle
60"-60"-60"-90"
Rec. 5' DM
IFP 8-16#
ISIP 90#
FFP 16-16#
FSIP 98#

15-007-20539

Geological Survey
~~WICHITA BRANCH~~

CONTRACTOR'S WELL LOG

OPERATOR:	The Maurice L. Brown Co.
CONTRACTOR:	Abercrombie Drilling, Inc.
WELL NAME:	Vanderwork #2
LOCATION:	NW SW SW Section 14-32S-12W Barber County, Kansas
SPUD DATE:	August 29, 1977
COMPLETION DATE:	September 14, 1977

0	20	Surface clay
20	452	Red bed & shale
452	3170	Shale
3170	3735	Shale & lime
3735	4290	Lime & shale
4290	4395	Shale & lime
4395	4429	Lime & shale
4429	4470	Shale & lime
4470	4561	Lime & shale
4561	4727	Lime
4727	4758	Shale & sand
4758	4863	Lime & shale
4863	4900	Lime
	4900	Rotary Total Depth

Spud hole at 10:00 p.m., August 29, 1977. Drilled 470' of 12¼" hole. Drilled 7-7/8" hole to 975', August 30, 1977. Ran 7 joints of 8-5/8" - 24# casing, set at 295'. Cemented with 275 sacks of Class "A" cement, 3% CaCl. Cement did circulate, plug was down at 5:00 p.m., August 30, 1977.

T. D. 4900'. Set 1st plug at 240' with 40 sacks, 2nd plug at 40' with 10 sacks, 5 sacks in rathole. Plug was down at 9:00 p.m., September 14, 1977. State Plugger - Bill Owens.

STATE OF KANSAS)
) ss
COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the Vanderwork #2, NW SW SW Section 14-32S-12W, Barber County, Kansas.

ABERCROMBIE DRILLING, INC.

BY Jack L. Partridge
Jack L. Partridge,
Assistant Secretary-Treasurer