

WELL COMPLETION REPORT AND DRILLER'S LOG

S. 35 T. 19 R. 33 W

API No. 15 — 171 — 20,178
County Number

Loc. C NE NE
County Scott

Operator
The Maurice L. Brown Company

Address
200 Sutton Place Bldg. - Wichita, Kansas 67202

Well No. 1 Lease Name Smith "B"

Footage Location
660 feet from (N) line 660 feet from (E) line

Principal Contractor Abercrombie Drilling Geologist Ray Palmer

Spud Date 8-24-79 Date Completed Total Depth 5140 P.B.T.D. 4700

Directional Deviation Oil and/or Gas Purchaser Permian

640 Acres N

Locate well correctly
Elev.: Gr. 2964
DF 2966 KB 2968

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#	370	HLC Class H	150	3% CC + 1/4# Flo/sx.
Prod.	7-7/8"	5 1/2"	15 1/2#	4844	HLC 65/35 Posmix	100	10# Gil/sx. + 10% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			6	3 E gun bullets	4759-4764
TUBING RECORD			4	2 E gun bullets	4584-4590
Size	Setting depth	Packer set at		2 JJ	
2-3/8"	4624	- - -			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal. Demud + 2000 gal. 28%	4759-4764
500 gal. Demud + 38,000 gal. acid aqua frac w/45,000# Sand	4584-4590

INITIAL PRODUCTION

Date of first production 10-25-79	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 30 bbls.	Gas MCF	Water 15 bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s) 4584-4590	

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, 245 No. Water, Wichita, Kansas 67202. 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 The Maurice L. Brown Company DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. 1 Lease Name Smith B Oil

S 35 T 19 R 33 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.

Table with 5 columns: FORMATION DESCRIPTION, CONTENTS, ETC.; TOP; BOTTOM; NAME; DEPTH. Content: See Attached Sheets

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

Date Received Signature: Drlg. Manager Title: 1-10-80 Date

862521

PI

35-19-33W

State Geological Survey

CONTRACTOR'S WELL LOG

WICHITA, BRANCH

OPERATOR: The Maurice L. Brown Company
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: Smith "B" #1
 LOCATION: C NE NE, Section 35-19-33W
 Scott County, Kansas
 SPUD DATE: August 24, 1979
 COMPLETION DATE: September 08, 1979

0	2242	Sand and shale
2242	2772	Shale and lime
2772	3240	Lime and shale
3240	3565	Shale and lime
3565	3993	Lime and shale
3993	4116	Shale and lime
4116	4297	Lime
4297	4354	Shale and lime
4354	4670	Lime
4670	4692	Shale and lime
4692	5140	Lime
	5140	Rotary Total Depth

Spud hole at 8:30 a.m., August 24, 1979. Drilled 370' of 12 1/4" hole. Ran 9 joints of new 24# - 8-5/8" casing. Set at 270' with 150 sacks of Halliburton lite, 3% Ca.Cl., 1/4# flocel per sack. Followed with 150 sacks of Class H cement, 3% Ca.Cl., 1/4# flocel per sack. Cement did circulate. Plug was down at 8:00 p.m., August 24, 1979.

T.D. 5140'. Ran 120 joints of 5 1/2" - 14# casing. Set at 4844'. Cemented with 100 sacks of HLC, 100 sacks of 65/35 posmix top stage, 400 sacks of HLC. D.V. Tool at 1973'. Plug was down at 4:30 a.m., September 08, 1979.

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 Smith "B" #1, C NE NE, Section 35-19-33, Scott County Kansas.

ABERCROMBIE DRILLING, INC.

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

DRILL STEM TESTS (Cont'd):

Morrow (Cont'd)

Initial Hydrostatic Head	2326 psi
Initial Flow Pressure	41-41 psi
Initial Shut-in Pressure	786 psi
Final Flow Pressure	61-61 psi
Final Shut-in Pressure	454 psi
Final Hydrostatic Head	2306 psi
Temperature	1300

Morrow, 4562 feet (4563 EL)

DST NO. 3 Misrun-Packer Seat failure.
 4580-4602 feet
 Straddle Test with
 tail pipe to 4670'

Morrow, 4562 feet (4563 EL)

DST NO. 4 Open 60 minutes, very weak blow, decreased
 4537-4670 feet throughout. Shut-in 60 minutes. Open 120
 minutes, no blow. Shut-in 120 minutes.
 Recovered 80 feet oil cut mud (28% oil).

Initial Hydrostatic Head	2517 psi
Initial Flow Pressure	99-99 psi
Initial Shut-in Pressure	857 psi
Final Flow Pressure	103-116 psi
Final Shut-in Pressure	677 psi
Final Hydrostatic Head	2418 psi
Temperature	137°

Mississippian, 4618 feet (4619 EL)

DST NO. 5 Open 60 minutes, very weak blow died in 35
 4742-4776 feet minutes. Shut-in 60 minutes. Open 120 min-
 Straddle Test with utes, no blow. Shut-in 122 minutes.
 tail pipe to 4870' Recovered 25 feet drilling mud.

Initial Hydrostatic Head	2516 psi
Initial Flow Pressure	33-33 psi
Initial Shut-in Pressure	1147 psi
Final Flow Pressure	33-66 psi
Final Shut-in Pressure	1082 psi
Final Hydrostatic Head	2484 psi
Temperature	1300

RECEIVED
 STATE CORPORATION COMMISSION
 JAN 17 1980
 CONSERVATION DIVISION
 Wichita, Kansas

The following are the depths and datums of formation tops encountered as determined by sample and electrical/Nuclear log analysis.

35-19-33w

<u>Formation</u>	<u>Sample</u>	<u>Log</u>	<u>Datum</u>
Heebner	3826	3826	- 858
Toronto	3839	3838	- 870
Lansing	3868	3869	- 901
Wyandotte	3964	3964	- 996
Iola	4048	4052	-1084
Drum	4091	4090	-1122
Westerville	4129	4129	-1161
Dennis	4155	4153	-1185
Swope	4212	4210	-1242
Hertha	4243	4241	-1273
Base/Kansas City	4282	4278	-1310
Marmaton	4305	4300	-1332

THE MAURICE L. BROWN CO.

SMITH "B" #1