

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH

S. 26 T. 9 R. 25 ^W
 Loc. 100' W of C SE SW
 County Graham

API No. 15 — 065 — 20, 855
 County Number

Operator
The Maurice L. Brown Company & I. Wayne Woolsey

Address
1500 Vickers-KSB&T Building, Wichita, KS 67202

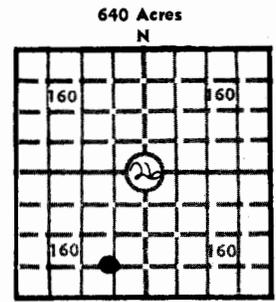
Well No. 1 Lease Name Spies

Footage Location
660 feet from (X) (S) line 1880 feet from (X) (W) line

Principal Contractor Abercrombie Drlg. Co. Geologist Clark A. Roach

Spud Date 8-13-76 Total Depth 4130 P.B.T.D.

Date Completed 11-16-76 Oil Purchaser Permian



Elev.: Gr. 2570
 DF _____ KB 2578

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	20	269	Common	200	2 1/2% Gel 3% C Cl
Production	7 7/8	5 1/2	14 & 15	4127	Poz. 65/35	125	1/2# tuffibers/sx

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Jumbo jet	4054-58
			4	Jumbo jet	3947-49

TUBING RECORD

Size	Setting depth	Packer set at
2 7/8"	4102	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal SME acid + 5000 gal. 15% R-3 acid	4054-58
500 gal SME acid + 2000 gal. SS-20 acid	3947-49

INITIAL PRODUCTION

Date of first production 11-23-76 Producing method (flowing, pumping, gas lift, etc.) pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	<u>27.8</u> bbls.		<u>101</u> bbls.	

Disposition of gas (vented, used on lease or sold) _____ Producing interval (s) 3947-49, 4054-58

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 The Maurice L. Brown Company & I. Wayne Woolsey		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1	Lease Name Spies	Oil
S 26 T 9 R 25 ^{RK} _W Graham County, Kansas		

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	<i>Charles J. Dinnick</i> Signature
	Geologist Title
	December 14, 1976 Date

68189

CONTRACTOR'S WELL LOG

15-065-20855

OPERATOR: The Maurice L. Brown Co.
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: SPIES #1
 LOCATION: 100' W of C SE SW
 Section 26-9S-25W, Graham County, Ks.
 SPUD DATE: August 13, 1976
 COMPLETION DATE: 8-25-76

0	135	Clay & Sand
135	185	Sand
185	1400	Shale
1400	1450	Sand
1450	1790	Shale
1790	1974	Sand
1974	2218	Shale
2218	2254	Anhydrite
2254	2385	Shale
2385	2790	Lime & Shale
2790	3152	Shale & Lime
3152	3477	Lime & Shale
3477	4130	Lime
	4130	Rotary Total Depth

Spud at 5:00 p.m. 8-13-76. Drilled 269' of 12 1/4" hole. Set 8 5/8" casing at 269' K.B. with 200 sx. of Class "A" cement, 2 1/2% gel. and 3% Ca. Cl. Cement circulated. Plug was down at 9:00 p.m. 8-13-76

Run 126 Jts. of 5 1/2" casing, set at 4125' K.B. Cemented with 125 sx. 65/35 posmix, % salt. Plug was down at 3:30 p.m. 8-25-76.

SAMPLE TOPS:

hydrite 2218'
 /Anhydrite 2254'

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 SPIES #1, 100' W of C SE SW, Section 26-9S-25W, Graham County, Kansas.

ABERCROMBIE DRILLING, INC

BY: Jack L. Partridge

The Maurice L. Brown Company &
I. Wayne Woolsey

#1 Spies

26-9S-25W
100' W of C SE SW

Contr. Abercrombie Drlg. Co.

Graham County

Elev. 2578 KB

Comm. 8-13-76

Comp. 11-16-76

IP 28 BO + 100 BWPD

Casing: 8 5/8 269/200 sx
5 1/2 4127/125 sx

<u>Log Tops</u>	<u>Depth</u>	<u>Datum</u>
Anhydrite	2218	+ 360
Base Anhydrite	2251	+ 327
Heebner	3838	- 1260
Toronto	3860	- 1282
Lansing-Kansas City	3871	- 1293
Base Kansas City	4108	- 1530
Total Depth	4130	- 1552

DST #1 3946-3965'
45-45" 45-45"
Rec. 440' GIP, 100' O&GCM, 120' emul. OGM,
250' HO&GCM, 50' GMW w/specks oil,
300' SMSW
IFP 24-213#
ISIP 741#
FFP 284-320#
FSIP 706#

DST #5 3990-4023' Straddle
45-45" 90-90"
Rec. 380' MSW
IFP 17-83#
ISIP 827#
FFP 83-199#
FSIP 827#

DST #2 4021-4040'
45-45" 90-90"
Rec. 430' SMSW
IFP 36-127#
ISIP 853#
FFP 127-236#
FSIP 853#

DST #6 3936-3960' Straddle
45-45" 90-90"
Rec. 150' GIP, 90' SOCM
IFP 17-33#
ISIP 794#
FFP 33-50#
FSIP 794#

DST #3 4052-4065'
45-45" 90-90"
Rec. 120' GIP, 45' SOCM
IFP 18-36#
ISIP 109#
FFP 36-36#
FSIP 181#

DST #7 3912-3928' Straddle
45-45" 90-90"
Rec. 20' SOCMW, 315' SMSW
IFP 8-50#
ISIP 580#
FFP 50-116#
FSIP 580#

DST #4 4069-4088'
45-45" 45-45"
Rec. 1' M
IFP 27-36#
ISIP 36#
FFP 18-18#
FSIP 36#

DST #8 3959-3978' Straddle
45-45" 45-45"
Rec. 300' GIP, 10' HO&GM, 60' SO&GCMW,
600' SMSW
IFP 33-245#
ISIP 685#
FFP 245-327#
FSIP 620#

26-9-25w

26-9-25w

#1 Spies - continued

Perf 20/4054-58, 500 gal SME acid, swb 1/2 BOPH/7 hrs, 5000 gal 15% R-3 acid, swb 5 BFPH/12 hr, 38% oil, pmp, 10 BO + 60 BWPD, decl, BP @ 4020, perf 12/3947-49, 500 gal SME acid, swb 3 BFPH/7 hr, 16% oil, 2000 gal SS-20 acid, swb 7 BFPH 16% oil, pull plug, run T&R, POP

IP 28 BO + 100 BWPD
Completed 11-16-76