

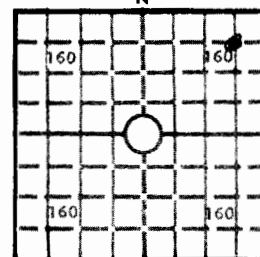
KANSAS DRILLERS LOG

API No. 15 — 033 — 20,365
County Number

S. 2 T. 31S R. 18W W

Loc. C NE NE

County Comanche

640 Acres
NLocate well correctly
2132'

Elev.: Gr.

DF KB 2140'

Operator

The Maurice L. Brown Company

Address

200 Sutton Bldg., Wichita, Kansas 67202

Well No.

1

Lease Name

Herrington

Footage Location

660 feet from (N) line

660 feet from (E) line

Principal Contractor

Abercrombie Drilling Co.

Geologist

Delbert Costa

Spud Date

8-29-80

Total Depth

5050'

P.B.T.D.

Date Completed

9-11-80

Oil Purchaser

Permian

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 $\frac{1}{4}$ "	8-5/8"	24#	516'	HLC Common	250 150	3% CC, $\frac{1}{4}$ # Flo/sx.
Production	7-7/8"	5 $\frac{1}{2}$ "	14#	5007'	HLC 65/35 Poz.	150 100	10# Gtl 10% salt, 3/4% CFR-2 10# Gtl/sx.

LINER RECORD

PERFORATION RECORD

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

Size	Setting depth	Packer set at			
2-3/8"	4993'	4993'			

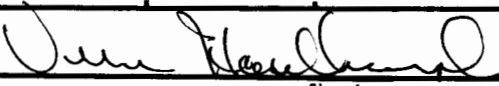
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 gal. 15% MCA w/10% solvent	5007-5050'
8000 gals. 15% NE	5007-5050'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
10-23-80		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	20 bbls.	_____ MCF	27 bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
_____			5007-5050'		

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		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: oil			
Well No. 1	Lease Name Herrington				
S 2 T 31 S R 18 W ^E _W					
WELL LOG <small>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.</small>		<small>SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.</small>			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">NAME</td> <td style="padding: 5px;">DEPTH</td> </tr> </table>	NAME	DEPTH
NAME	DEPTH				
(See attached sheets)					
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.					
Date Received	<div style="text-align: right;">  Signature </div> <div style="text-align: right;"> Drilling Manager Title </div> <div style="text-align: right;"> 2-19-81 Date </div>				

2-31-18W

CONTRACTOR'S WELL LOG

State of Kansas
WICHITA, BRANCH

OPERATOR: Maurice L. Brown Company
CONTRACTOR: Abercrombie Drilling, Inc.
WELL NAME: HERRINGTON #1
LOCATION: C NE NE, Section 2-31S-18W
Comanche County, Kansas
SPUD DATE: 08-29-80
COMPLETION DATE: 09-12-80

0	790	Redbed
790	1000	Redbed & Shale
1000	5050	Lime & Shale
	5050	Rotary Total Depth

Spud hole @ 6:00 p.m. 08-29-80. Drilled 1000' of a 12-1/4" hole. Ran 12 joints of 8-5/8" 24# casing (tally 506') Set @ 516'. Cemented with 250 sx. of Halli-baton lite. Followed with 150 sx. of common, 3% c.c., 1 sx. flocel. Plug was down @ 3:00 p.m. 08-30-80.

T.D. 5050'. Ran 159 joints of 5-1/2" casing (tally 5142.34') Set # 5007' KB. Cemented with 150 sx. of Hales. Followed with 100 sx. of posmix. Plug was down @ 6:15 a.m. 09-12-80.

STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc.,
hereby state that the above and foregoing is a true and correct copy of the
log of the HERRINGTON #1, C NE NE, Section 2-31S-18W, Comanche County, Kansas.

ABERCROMBIE DRILLING, INC.

BY: Jack L. Partridge
Jack L. Partridge, Asst. Sec.-Treas

Subscribed and sworn to before me, a Notary Public, in and for the aforesaid
county and state as of this 29th day of October, 1980.

Deborah A. Matheson