

KANSAS DRILLERS LOG

API No. 15 — 055 — 20,147-A
County Number

Operator

The Maurice L. Brown Company

Address

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

Well No.

4

Lease Name

R. Crist OWWO

Footage Location

1980 feet from (X) (S) line

1980 feet from (X) (W) line

Principal Contractor

Sage Drilling

Geologist

Spud Date

2/14/77

Total Depth

4800

P.B.T.D.

4429

Date Completed

4/6/77

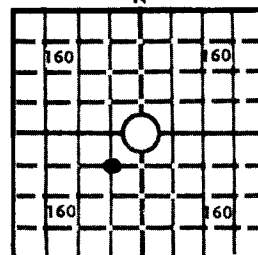
Oil Purchaser

S. 31 T. 21 R. 33 W

Loc. C NE SW

County Finney

640 Acres
N



Locate well correctly

Elev.: Gr. 2899

DF KB 2904

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#	373	HLC Common	150	3% CC+1# Flocele
Production	7 7/8	5 1/2	15 1/2#	4778	65/35 Poz. HLC	150	3% CC+1# Flocele
						50	2% gel, 3/4% CFR-2, 10% salt, 10# Gil.
							& 1/2# Tuf-fiber/sx.
							10# Gilsonite/sx

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
2"	4421	

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.)			
4/7/77		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	25 bbls.	MCF	50 bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
			4308-13, 4364-68, 4392-96		

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

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

The Maurice L. Brown Company

Well No.

4

Lease Name

R. Crist

OWWO Oil

S 31 T 21 R 33 ^{EX}
W

Finney 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

Geologist

Title

May 9, 1977

Date

R. Crist #4 OWWO
C NE SW Sec. 31-T21S-R33W
Finney County, Kansas

Perforation Record

<u>Shots/ft.</u>	<u>Size & Type</u>	<u>Depth Interval</u>
4	Jumbo jet	4712-4718
3	3/8" Bullet	4712-4718
3	Jumbo jet	4392-96
3	3/8" Bullet	4392-96
2	Jumbo jet	4364-68
2	3/8" Bullet	4364-68
3	Jumbo jet	4308-13
3	3/8" Bullet	4308-13

Acid, Fracture, Shot, etc. Treatment

<u>Amount and kind of material used</u>	<u>Depth Interval</u>
500 gal. 15% Demud acid	4712-18
500 gal. 28% acid + 2000 gal. Super Sol-20	4712-18
500 gal. 15% Demud acid	4392-96
2000 gal. CRA acid	4392-96
500 gal. 15% Demud acid	4364-68
300# Paraformaldehyde + 300 gal. gel + 2500 gal SS-20 acid	4364-68
500 gal. 15% Demud acid	4308-13
500 gal. 28% acid + 3000 gal. SS-20 acid	4308-13

Completion

4712-18, 3000 gal. acid, swb ½ BFPH, 5% oil, BP @ 4429, perf 4392-96, 2500 gal acid, swb 7 BFPH/5 hr, 15% oil, BP @ 4380, perf 4364-68, lost plug down hole, set new plug @ 4377, 500 gal. 15% acid, drill plug to 4423, swb 1d, swb 5 BFPH/7 hrs, 12% oil, 2500 gal. acid + 3 plugs, swb 1d, swb 1l BFPH/4 hrs, 18% oil, perf 4308-4313, RBP @ 4344, 500 gal. acid, swb 1d, swb 1 BFPH/3 hr, 50% oil, 3500 gal. acid, swb 1½ BOPH/6 hrs, plug to bottom, T&R, put on pump.