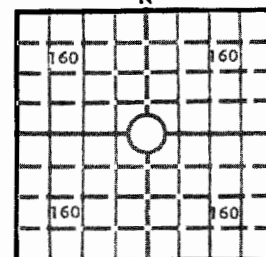


KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCHS. 28 T. 22 R. 16 E
WAPI No. 15 — 031 — 20163
County NumberLoc. E $\frac{1}{2}$ NWCounty Coffey640 Acres
N

Locate well correctly

Elev.: Gr. _____

DF _____ KB _____

Operator

B & S Oil Co.

Address

P.O. Box 2157, Lancaster California

Well No.

#4

Lease Name

Crotts

Footage Location

660

feet from (N) line

1100

feet from (E) line

NW/4

Principal Contractor

Fleming Drilling Co

Geologist

Spud Date

December 23, 1971

Total Depth

1040

P.B.T.D.

Date Completed

December 31, 1971

Oil Purchaser

Mid-American Refining

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	8 1/2	7"		40			
Oil String	6 1/2	4 1/2		1038	ROSRIT	135	None

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			8 Total	3 1/2" stripsets	1001-1009

Size	Setting depth	Packer set at
2"	998	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Broke with 1 drum acid and water	1001 - 1009
Frac with 2000# 12-30 & 10000# 10-20 mesh sand	
in gelled water	

INITIAL PRODUCTION

Date of first production <i>January 5 1972</i>		Producing method (flowing, pumping, gas lift, etc.) <i>Pumping</i>			
RATE OF PRODUCTION PER 24 HOURS	Oil <i>11</i> bbls.	Gas <i>None</i> MCF	Water <i>3</i> bbls.	Gas-oil ratio CFPB	
Disposition of gas (vented, used on lease or sold) <i>None</i>			Producing interval(s) <i>1001-1009</i>		

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 *B & S O. I. Co*

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

Well No.

4

Lease Name

CROTTIS

OIL

S *28* T *22* R *14* E

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.

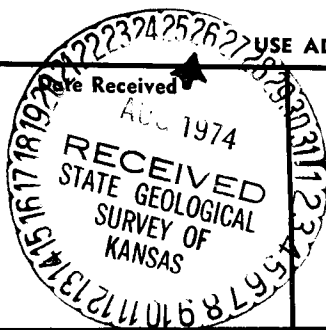
TOP

BOTTOM

NAME

DEPTH

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



Max G. Long

Signature

Title

4/4/74

Date