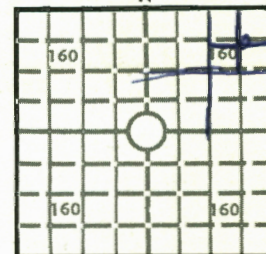


KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH

S. 16 T. 31 R. 20 E

Loc. ~~NE~~ NE NECounty Labette640 Acres
N

Elev.: Gr. _____

DF _____ KB _____

API No. 15 — 099 — 20,397
County Number

Operator

Joy Spradling Rotary Drilling, Inc.

Address

Rt. 1 Box 36 Hermitage, Missouri 65668

Well No.

1

Lease Name

E.L. Couch

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Joy Spradling Rotary Drilg. Inc.

Geologist

Bob Dunn

Spud Date

Total Depth

950'

P.B.T.D.

Date Completed

Nov. 17, 1975

Oil Purchaser

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
Hold back over- burden	6 1/8"	6 5/8"	13#				

LINER RECORD

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

TUBING RECORD

Size	Setting depth	Packer set at			

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.)				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	MCF	bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		

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 Joy Spradling Rotary Drilling, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 1	Lease Name E.L. Couch	
S 16 T 31 R 20 E 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.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Overburden				10'
Shale	20'	80'		
Lime	80'	130'		
Shale	130'	200'		
Lime	200'	230'		
Shale	230'	680'		
Lime	680'	950'		
Water at 865'				
Total Depth = 950'				

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

Date Received	<div> <div><i>Scarlett Hoover</i></div> <div>Signature</div> </div> <div> <div>Secretary</div> <div>Title</div> </div> <div> <div>December 8, 1975</div> <div>Date</div> </div>
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10-31-90 E