

## KANSAS DRILLERS LOG

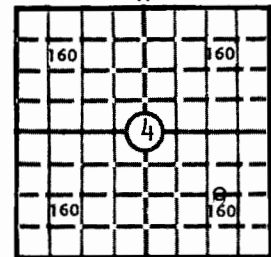
**IMPORTANT**  
Kans. Geo. Survey request  
samples on this well.

4-35-33W

S. 4 T. 35 R. 33 <sup>K</sup>W

Loc. 590' FEL 660' FSL

County SEWARD

640 Acres  
N

Elev.: Gr. 2833

DF 2840 KB 2842

API No. 15 — 175 — 20,445  
County Number

Operator

Kennedy &amp; Mitchell Inc.

Address

PO Box 1578, Liberal, KS 67901

Well No.

29-189

Lease Name

Liberal

Footage Location

660

feet from (N) (S) line

590

feet from (E) (W) line

Principal Contractor

Gabbert-Jones Inc.

Geologist

Spud Date

February 7, 1980

Total Depth

6600'

P.B.T.D.

6557'

Date Completed

February 24, 1980

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
Surface casing	12 1/4"	8 5/8"	24#	1485'	Halliburton lite class H	600 150	2%cc, 1/4# flocele 3%cc
Production	7 7/8"	4 1/2"	10.5#	6596'	class H	50	10%salt, 8%gel, 12 1/2# Kolite
					50/50 pozmix	200	18%salt, 12 1/2# Kolite, .75% TIC

## LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
----------	-------------	--------------

## PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2 spf	.35 DML	6457-6462
			4 spf	.35 DML	6146-6152
			1 spf	.35 DML	6223-27, 6231-35

## TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	6119'	6120' & 6421'

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal 28%HCS acid w/equal volume CO <sub>2</sub> - 3000 gal pad 2%KCL H <sub>2</sub> O w/2000 scf CO <sub>2</sub> /bbl + 5000 gal 28% HRTA acid w/2000 scf CO <sub>2</sub> /bbl	6457-6462
1000 gal 28% HRTA acid w/3000 scf CO <sub>2</sub> /bbl	6223-27; 6231-35 *
1000 gal 28% HRTA acid w/3000 scf CO <sub>2</sub> /bbl	
17,000 gal Thix H <sub>2</sub> O w/1500 scf CO <sub>2</sub> /bbl + 20,000# 20/40 sand	6146-6152

\* formation did not break down.

## INITIAL PRODUCTION

Date of first production Producing method (flowing, pumping, gas lift, etc.)

shut in - waiting on pipeline connection

flowing

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	3 bbls.	500 MCF	0 bbls.	CFPB

Disposition of gas (vented, used on lease or sold)

to be sold

Producing interval (s)

6146-6152 Morrow

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 Kennedy & Mitchell, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas
Well No. 29-189	Lease Name Liberal	
S <u>4</u> T <u>35S</u> R <u>33</u> <del>W</del> 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
Sand, Clay, Shale	0	1070		
Glorietta Sand	1070	1192		
Sand, Shale, Red Bed	1192	1489		
Red Bed, Sand	1489	1745		
Shale, Lime	1745	2090		
Shale	2090	2380		
Lime, Shale	2380	2507		
Shale, Lime	2507	2625		
Shale	2625	3065		
Shale, Lime	3065	3267		
Lime, Shale	3267	6464		
Lime	6464	6600RTD		

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

Date Received	<div><i>Ned E. Lowry</i> Signature</div> <div>Ned E. Lowry, Agent Title</div> <div>August 4, 1980 Date</div>
---------------	--

32-3300