

KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request
samples on this well

Section 12-19-79
14-35-32W
S. 14 T. 35 R. 32 W
2310' FWL & 2970' FNL
County Seward

API No. 15 — 175 — 20,428
County Number

State Geological Survey
WICHITA BRANCH

Operator

Service Drilling Co.

Address

1800 Fourth National Bank Bldg. Tulsa, Okla 74119

Well No.

#1-14

Lease Name

Lofland

Footage Location

2970

feet from (N) (S) line

2310

feet from (E) (W) line

Principal Contractor

Service Drilling Co.

Geologist

Tom Hammond, Tulsa, OK

Spud Date

11/7/79

Total Depth

7575

P.B.T.D.

6209

Date Completed

12/3/79

Oil Purchaser

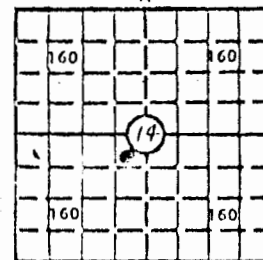
Elev.: Gr.

2737

DF 2747

KB 2747

640 Acres
N



Locate well correctly

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"	23	1660	C1 'H'	Circulated	
Production	7 7/8"	4 1/2"	10.5	6260	50/50 Poz	425	2% Gel 5# Coalite 18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			2	.31" Jet	6136-45
TUBING RECORD					
Size 2 3/8, 4.7#	Setting depth 6100	Packer set at 6100			

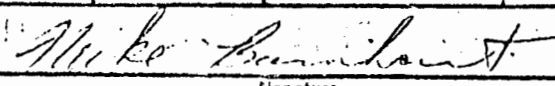
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2000 gal. 15% NE Acid	6136-45

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
Waiting on Pipeline Conn.		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	None	1500	TSTM	—	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Sold			6136 - 45		

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 Service Drilling Co., 1800 4th Natl. Bank Bldg.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.		
Well No. 1-14	Lease Name LOFLAND	Tulsa, OK 74119 Gas		
S 14 T 35 R 32 XXX W				
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Sandy/Shaley	GL	2200	Comp. Neut	TD 4250
Sandy/Grey Shale	2200	4500	Form Dens.	
Buff Sandstone	4500	4600	Dual Ind.	TD 1660
Sandy	4600	5120	SFL	
Marmaton	5120	5160	Cement Bond	
Broken Grey Shale	5160	5330	w/Nuclear	6210-3900
DST #1				
90' Gas Cut Mud 450' Muddy SW	5330	5420		
520' Salt Water				
IFP = 291; ISIP = 1726; FFP = 489				
FSIP = 1732				
Broken Grey Shale	5420	5895		
DST #2				
50' Drilling Mud				
IFP = 82; ISIP = 154; FFP = 65	5895	6000		
FSIP = 133				
Broken Sandy Shale	6000	6100		
DST #3				
180' Gas Cut Mud				
IFP = 99; ISIP = 1106; FFP = 68	6100	6291		
FSIP = 1352				
Limestone	6291	TD @ 7575		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received 12/18/79	 Signature Mike Barnhart - Production Engineer December 18, 1979 Date			