

State Geological Survey WICHITA, BRANCH

KANSAS DRILLERS LOG

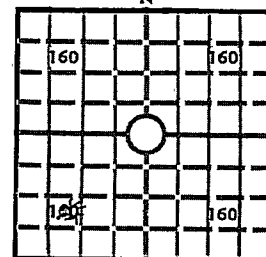
S. 28 T. 26 R. 36 ^KW

API No. 15 — 093 — 20,095
County Number

Loc. A/C SW

County Kearny

640 Acres
N



Locate well correctly

Elev.: Gr. 3,111'

DF KB 3,119'

Operator MOBIL OIL CORPORATION for
Northern Natural Gas Producing Co.

Address Box 1934
Oklahoma City, Oklahoma

Well No. #3 Lease Name Lee #2 Farm

Footage Location
1,250' feet from (S) line 1,250' feet from (W) line

Principal Contractor Earl F. Wakefield, Inc. Geologist R. D. Wilkinson

Spud Date 12-12-73 Total Depth 2,930' P.B.T.D. 2,904'

Date Completed 1-29-74 Gas Purchaser Northern Natural Gas Co.

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	13-3/4"	10-3/4"		602'	HOWCO LITEWATE REGULAR	200 SX 150 SX	3% CaCl ₂ 3% CaCl ₂
Production casing	8-3/4"	7"		2,923'	HOWCO LITEWATE REGULAR	225 SX 150 SX	18% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			Two	Jet	2876'-80'; 2868'-22'; 2842'-46'; 2829'-33'; 2813'-24'; 2809'-15'; 2801'-05'; 2787'-91'
TUBING RECORD					
Size 2-3/8"	Setting depth 2,862'	Packer set at NONE			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
4,500 gallons 15% HCL, 188,000 gallons fresh water, 370,000 #	2,787' - 2,880'
20/40 sand, flushed with 6,000 gallons fresh water	

INITIAL PRODUCTION Will be reported on a revised copy of this report as soon as it is available

Date of first production June 7, 1974 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS Oil Gas 4 pt. Test 3.562 MMCF Water Gas-oil ratio

Disposition of gas (vented, used on lease or sold) Sold Producing interval (s) 2787'-2880' Council Grove

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 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

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

Well No. 3	Lease Name LEE #2 FARM	GAS
S 28 T 26S R 36 W		

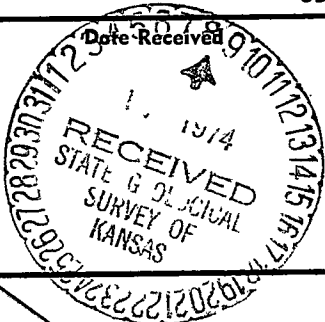
WELL LOG

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	Surface	525'	Cimarron	1813'
Blue shale, redbed	525'	602'	Chase	2480'
Redbed, sand, anhydrite	602'	1775'	Council Grove	2780'
Anhydrite & shale	1775'	1923'		
Shells, shale, lime	1923'	2091'		
Lime & shale	2091'	2428'		
Shale-lime	2428'	2571'		
Lime	2571'	2930'		
R.T.D.		2930'		

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



Paul K. Langenberg
PAUL K. LANGENBERG
PRODUCTION ACCOUNTING SUPERVISOR
FEBRUARY 12, 1974