

KANSAS DRILLERS LOG

REVISED TO INDICATE INITIAL PRODUCTION

S. 19 T. 26 R. 36 X
W

API No. 15 — 093 — 20,104
County Number

Loc. A/C SW

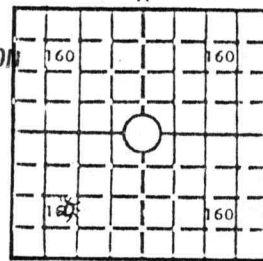
Operator Mobil Oil Corporation for Northern Natural Gas Producing Co.

County Kearny

Address Box 1934 Oklahoma City, Oklahoma

640 Acres
N

Well No. #4 Lease Name Lee No. 3 Unit



Footage Location 1250 feet from (S) line 1250 feet from (W) line

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

Spud Date November 24, 1973 Total Depth 2915' P.B.T.D. 2903'

Date Completed January 23, 1974 Gas Purchaser Northern Natural Gas Company

Elev.: Gr. 3115'

DF _____ KB 3123'

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"		603'	Howco Lite Water Regular	200 150	3% CaCl2
Prod. Casing	8-3/4"	7"		2915'	Howco Lite Water Regular	225 150	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	Jet	2784-89', 2792-94',
			2	Jet	2798', 2801',
			2	Jet	2812-20', 2833-41'.

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2500 gallons 15% HCL, 133,000 gallons fresh water, 260,000#	2784' - 2841'
20/40 sand, 6000 gallons fresh water, 3500 bbls. fresh water containing 1 1/2# FR-16 & 1/2 gallon bactericide/M gallons.	

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

Date of first production 5-21-74 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS Oil Gas 4 Point O.F.P. Water Gas-oil ratio
bbls. 3433 MCF bbls. CFPB

Disposition of gas (vented, used on lease or sold) Sold Producing interval(s) 2784-2841' 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 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.

State Geological Survey
KANSAS DRILLERS LOG WICHITA, BRANCH

RECEIVED
 STATE CORPORATION COMMISSION
 FEB 15 1974
 CONSERVATION DIVISION
 Wichita, Kansas

S. 19 T. 26 R. 36 ~~X~~ W

API No. 15 — 093 — 20,104
 County Number

Loc. A/C SW
 County Kearny

Operator Mobil Oil Corporation for
 Northern Natural Gas Producing

Address Box 1934
 Oklahoma City, Oklahoma

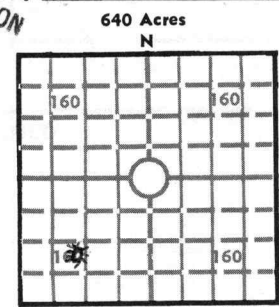
Well No. #4 Lease Name Lee No. 3 Unit

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 1250 feet from ~~N~~ (S) line 1250 feet from ~~E~~ (W) line

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Elev.: Gr. 3115'
 DF KB 3123'

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Surface Casing	13-3/4"	10-3/4"		603'	Howco Lite Water Regular	200 150	3% CaCl2
Prod. Casing	8-3/4"	7"		2915'	Howco Lite Water Regular	225 150	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	Jet	2784-89', 2792-94',
TUBING RECORD			2	Jet	2798', 2801',
Size	Setting depth	Packer set at	2	Jet	2812-20', 2833-41'.

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2500 gallons 15% HCL, 133,000 gallons fresh water, 260,000#	2784' - 2841'
20/40 sand, 6000 gallons fresh water, 3500 bbls. fresh water	
containing 1 1/2# FR-16 & 1/2 gallon bactericide/M gallons.	

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

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)

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Operator Mobil Oil Corporation for
Northern Natural Gas Producing Company

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

Well No. 4 Lease Name Lee No. 3 Unit

Gas

S 19 T 26S R 36 X
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	540	Cimarron	1822'
Blue shale, red bed	540	603	Chase	2477'
Red bed, sand	603	1124'	Council Grove	2724'
Red bed & anhydrite	1124	1750		
Shale & anhydrite	1750	1935		
Shale, lime	1935	2112		
Lime & shale	2112	2465		
Lime	2465	2915		
R.T.D.		2915		

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

Date Received



Paul K. Langenberg
Paul K. Langenberg Signature

Production Accounting Supervisor

Title

February 4, 1974

Date