

State Geological Survey WICHITA, BRANCH

13-34-38W

KANSAS DRILLERS LOG

API No. 15 — 189 — 20,284
County Number

Operator
Mobil Oil Corp.

Address Box 1934 Oklahoma City, Oklahoma 73101

Well No. #2 Lease Name E. Brown Unit

Footage Location
1320.7 feet from (N) line 1319.34 feet from (E) line

Principal Contractor Wakefield Drilling Company Geologist R. D. Wilkinson

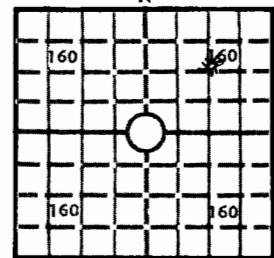
Spud Date September 25, 1975 Total Depth 3055' P.B.T.D. 3035'

Date Completed November 5, 1975 Gas Purchaser Northern Natural Gas Company

S. 13 T. 34 R. 38 NE
Approx. Loc. C NE 1/4

County Stevens

640 Acres
N



Locate well correctly

Elev.: Gr. 3180.4'

DF KB 3187

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"		768'	Class H Reg.	225	12% Gel + 3% CaCl ₂
					Class H Reg.	150	3% CaCl ₂
Prod. Casing	8-3/4"	5 1/2"		3055'	Class H Reg.	200	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			3	SDJ	3026-28', 3016-20', 3002-10', 2997-99', 2889-93', 2978-82', 2974-76', 2969-71'.
TUBING RECORD					
Size 1 1/2"	Setting depth 3008'	Packer set at None			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
3000 gallons HCL, 100,000 gallons fresh water + 200,000# 20/40 sand, 3000 gallons fresh water pad ahead of frac & 3000 gallons flush.	2969' - 3028'

INITIAL PRODUCTION

Date of first production March 1, 1976	Producing method (flowing, pumping, gas lift, etc.) FLOWING
RATE OF PRODUCTION PER 24 HOURS Oil bbls.	Gas 1 Pt. OFP Test 2930 MCF Water bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) Sold	Producing interval(s) 2969' - 3028' 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.

Operator Mobil Oil Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 2	Lease Name E. Brown Unit	Gas
S <u>13</u> T <u>34S</u> R <u>38</u> ^X / _W		

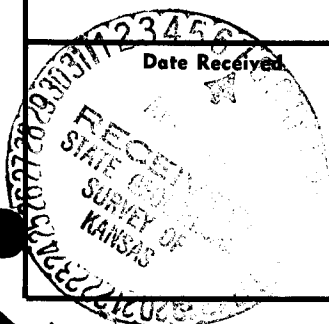
WELL LOG

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
Surface sand & red bed		768	Cimarron	1695'
Red bed & gypsum, Gloretta Sand	768	1592	Chase	2624
Red bed & gypsum, anhydrite	1592	2004	Council Grove	2966
Shale & anhydrite	2004	2021		
Shale & lime	2021	2152		
Lime & shale	2152	2336		
Shale & lime	2336	2474		
Lime & shale	2474	2876		
Shale & lime	2876	2997		
Lime & shale	2997	3055		
R.T.D.		3055		

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



Date Received

W. L. Worford

Signature

Production Accounting Supervisor

Title

November 7, 1975

Date

449023