

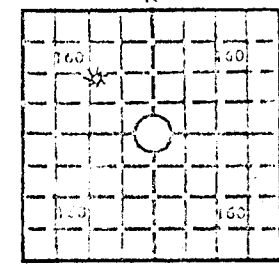
16-34-39W

S. 16 T. 34 R. 39 X W

Loc. Approx. C NW/4

County Morton

640 Acres
N



Elev.: Gr. 3341'

DF KB 3349'

KANSAS DRILLERS LOG - REVISED TO INDICATE INITIAL PRODUCTION

API No. 15 — 129 — 20,254
County Number
State Geological Survey
WICHITA, BRANCH

Operator Mobil Oil Corporation

Address P. O. Box 1934, Oklahoma City, Oklahoma

Well No. 1 Lease Name Ralph Armstrong Unit

Footage Location 1390 feet from (N) line 1390 feet from (W) line

Principal Contractor Damac Drilling Company Geologist W. G. Werner

Spud Date June 28, 1976 Total Depth 3125' P.B.T.D. 2983'

Date Completed August 4, 1976 Gas Purchaser NORTHERN NATURAL GAS COMPANY

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	Socks	Type and percent additives
Surface Casing	12 1/4"	8-5/8"		595'	Class H	200	12% Gel, 3% CaCl2
					Class H	150	3% CaCl2
Prod. Casing	7-7/8"	5 1/2"		3125'	Howco Lite Water	275	
					Class	150	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Socks cement	Shots per ft.	Size & type	Depth interval
			3	SDJ	3001-14', 3027-34', 3051-53', 2966-74', 2980-82', 2946-57', 2933-41', 2931-33'

TUBING RECORD

Size	Setting depth	Packer set at
1 1/2"	2961'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used
650 gallons 15% HCL (3001-14'); 350 gallons 15% HCL (3027-34'), 100 gallons 15% HCL (3051-53'); 100 sacks class H + 12% Gel, 12% Cal Seal, 2% CaCl2, 250 sacks Class h Reg. Squeezed (3001-3053'); 500 gallons 15% HCL, 2960-74'); 450 gallons 15% HCL (2931-51'); 76,000 gallons fresh water + 140,000# 20/40 sand (2933-74').

INITIAL PRODUCTION

Will be reported on a revised copy of this report as soon as available.

Date of first production September 16, 1976 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS Oil Gas 1 Pt. Test Water Gas-oil ratio
bbls. 1.4 MMCF bbls. CFB

Disposition of gas (vented, used on lease or sold) Sold Producing interval (s) 2931' - 2974' 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 316-522-2266. 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

16-34-39W
DESIGNATION OF FORM: OIL, GAS,
DRY HOLE, SWPW, ETC.

Well No. 1 Lease Name Ralph Armstrong Unit

Gas

S 16 T 34 R 30 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 clay & sand	0	505	Cimarron	1737
Clay & red bed	505	595	Chase	2560
Red bed	595	1773	Council Grove	2916
Anhydrite, lime & shale	1773	2089		
Lime & shale	2089	3125		
RTD		3125		

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

Date Received

Jack L. Davis

Signature

Acting Production Accounting Supervisor

Title

August 9, 1976

Date