

O: KCC ERN AJM
C: KGS PKL FILE
CBS JES

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 15 T. 35 R. 38 W

API No. 15 — 189 — 20470
County Number

Loc. C NW 4

Operator

County Stevens

MOBIL OIL CORPORATION

640 Acres

Address

P.O. Box 5444, Denver, CO 80217

Well No.

2

Lease Name

Hamilton No. 1 Farm

Footage Location

1250 feet from (N) line 1350 feet from (W) line

Principal Contractor

Earl F. Wakefield, Inc.

Geologist

P. B. Nichols

Spud Date

8/20/79

Total Depth

3230

P.B.T.D.

3215

Date Completed

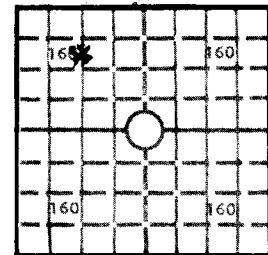
9/11/79

Buyer Purchaser GAS

Northern Natural Gas Co.

Elev.: Gr. 3217

DF KB 3224



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 Casing	12 $\frac{1}{4}$ "	8-5/8"	24#	749'	Class H Reg	150	12% Ge1 + 3% CACL2
					Class H Reg	150	3% CACL2
Production Casing	7-7/8"	5 $\frac{1}{2}$ "	14#	3230'	HOWCO LITE	500	1 $\frac{1}{2}$ # SK. FLOCELE
					Class H Reg	150	18% Salt + 3/4% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		3029-3041
			2		3043-3051

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
5000 GALS. 15% HC1. 40,000 GALS WTR + 80,000#20/40 Sand +	3029-3051'
12 $\frac{1}{2}$ # 1000 GALS WG-6 + 1 GAL/1000 GALS. HOWCO SUDS + Additives	

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.) Pumping	SEP 20 1979
RATE OF PRODUCTION PER 24 HOURS	Oil Gas Water Producing interval (s) 3029-3051	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) Shut in awaiting connection		

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 HAMILTON NO. 1 FARM	Gas	
S <u>15</u> T <u>35</u> R <u>38</u> ^N _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
Clay and Sand	0	600	CIMARRON
Red Bed and Gyp	600	749	CHASE
Red Bed	749	930	COUNCIL GROVE
Red Bed and Gyp	930	1180	
Sand	1180	1390	
Shale and Gyp	1390	1680	
Shale, Sand and Gyp	1680	1746	
Anhydrite	1746	1762	
Shale, Shells	1762	1960	
Shale	1960	2123	
Shale and Lime	2123	2360	
Shale, Shells	2360	2535	
Shale and Lime	2535	2795	
Shale, Shells	2795	2930	
Lime and Shale	2930	3175	
Shale, Shells	3175	3230	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	<div style="text-align: right; margin-bottom: 10px;"> C. J. Park <small>Signature</small> </div> <div style="text-align: right; margin-bottom: 10px;"> Producing Accounting Supervisor <small>Title</small> </div> <div style="text-align: right;"> SEP 25 1979 <small>Date</small> </div>		

2-32-38

15-35-38W

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLER'S LOG

LEASE: HAMILTON #1 FARM #2
OWNER: MOBIL OIL CORPORATION
CONT: EARL F. WAKEFIELD, INC.
SPUD: 8-16-79
COMP: 8-25-79

LOCATION: NW/4
SECTION 15-35S-38W
STEVENS COUNTY, KANSAS
CASING: 8 5/8" SET @ 749'
5 1/2" SET @ 3230'

Clay and Sand	600
Red Bed & Gyp	749
Red Bed	930
Red Bed & Gyp	1180
Sand	1390
Shale & Gyp	1680
Shale, Sand & Gyp	1746
Anhydrite	1762
Shale, Shells	1960
Shale	2123
Shale & Lime	2360
Shale, Shells	2535
Shale & Lime	2795
Shale, Shells	2930
Lime & Shale	3175
Shale, Shells	3230
R.T.D.	3230

STATE OF KANSAS)
) ss.
COUNTY OF SEDGWICK)

WICHITA BRANCH
STATE GEOLOGICAL SURVEY
KANSAS
JUL 1 1979
JUL 1 1979