

KANSAS DRILLERS LOG

API No. 15 — Stevens — 189
County Number

Operator
Mobil Oil Corporation

Address
P. O. Box 1934, Oklahoma City, Oklahoma 73101

Well No. 3 Lease Name Shafer #1 Unit

Footage Location
1320 feet from (N) (S) line 1320 feet from (E) (W) line

Principal Contractor Zenith Drilling Company Geologist Roger Wilkinson

Spud Date 4-26-72 Total Depth 3000 P.B.T.D. 2986

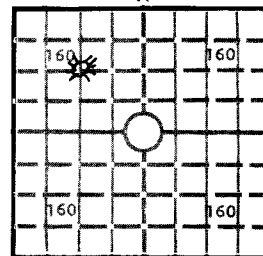
Date Completed 5-17-72 (4-29-72 well log) Oil Purchaser Northern Natural Gas Company

S. 5 T. 33 R. 38 X* W

Loc. C NW/4

County Stevens

640 Acres
N



Locate well correctly

Elev.: Gr. 3189

DF KB 3200

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	12-1/4	8-5/8	20	562	Lite Water Regular	200 150	2% CaCl ₂ 3% CaCl ₂
Production	7-7/8	5-1/2	14	2999	Lite Water Regular	250 165	5# Gilonite/Sack 18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	4" SDJ	2883'-2969' O.A.
TUBING RECORD					
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized perforations 2883'-2969' w/5000 gals. 15% HCL + 110 ba	2883'-2969'
sealers. Howco fraced perforations w/120,000 gals. fresh water	
and 140,000# 10-20 sand.	2883'-2969'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
5-17-72		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	2250 MCF	bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Sold			2883'-2969'		

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.

Well No. 3	Lease Name Shafer #1 Unit	Gas
---------------	------------------------------	-----

S 5 T 33 R 38 E 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

Clay, Sand & Red Bed

0

562

Stone Corral

1702

Red Bed

562

1065

Wellington

2202

Red Bed & Sand

1065

1665

Chase

2460

Red Bed & Anhy.

1665

1983

Winfield

2572

Shale & Shells

1983

2500

Council Grove

2798

Shale, Shells, & Anhy.

2500

2730

Shale & Lime

2730

2906

Dolomite

2906

3000

T. D.

3000

P. B. T. D.

2986

FIGURES INDICATE BOTTOM OF FORMATIONS

137' Grass Roots

562' Clay, Sand, Red Bed

1065' Red Bed

1665' Red Bed, Anhydrite, Sand

1983' Red Bed, Anhydrite

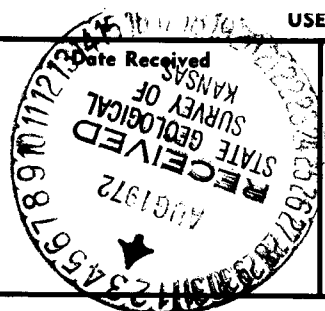
2500' Shale, Shells

2730' Shale, Shells, Anhydrite

2906' Shale, Lime

3000' Dolomite

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



Paul K. Langenberg
 Paul K. Langenberg
 Office Group Supervisor

Title

June 1, 1972

Date