

State Geological Survey

KANSAS DRILLERS LOG

API No. 15 — 093 — 20,447
County Number

Operator

Helmerich & Payne, Inc.

Address

P. O. Box 558 Garden City, Kansas 67846

Well No.

#1

Lease Name

White "A"

Footage Location

2536 feet from (N) (S) line 2191 feet from (E) (W) line

Principal Contractor

Gabbert & Jones, Inc.

Geologist

Joseph Blair

Spud Date

8-23-77

Total Depth

2975

P.B.T.D.

Date Completed

8-27-77

Oil Purchaser

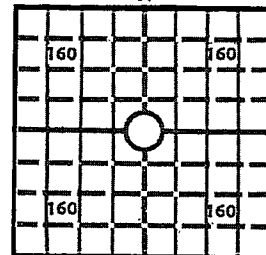
NONE

S. 12 T. 26 R. 35 W

Loc. 2191' FWL & 2536' FNL

County Kearny

640 Acres
N



Locate well correctly
2999

Elev.: Gr.

3002

KB 3004

DF

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"	28#	800	Howcolite	350	1 1/4% Flocele per sack 2% CaCl
					Class H	150	3% CaCl
Production	7 7/8"	5 1/2"	14#	2974	Howcolite	575	10% gel
					50/50 Pozmix	100	18% NaCl

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2	1/2" Omega	2813-17' 2820-26' 2830-36' 2844-48' 2852-56' 2861-69' 2882-88' 2900-08' 2928-38'

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	2886	NONE

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidize w/500 gals 15% HCL. Squeeze w/85 sacks class H & 6% gel	2900-2908'
Acidize w/4000 gals 15% HCL + 100 ball sealers	2813 - 2938'
Frac w/106,008 gals fresh water + 212,016# river sand	2813 - 2938'

INITIAL PRODUCTION

Date of first production 1-1-78		Producing method (flowing, pumping, gas lift, etc.) Pumping (water)			
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas 2004 MCF	Water 36 bbls.	Gas-oil ratio CFPB	
Disposition of gas (vented, used on lease or sold) Sold - Colorado Interstate Gas Company			Producing interval (s) 2813 - 2938'		

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 Helmerich & Payne, Inc. DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. 1 Lease Name White "A" Gas

S 12 T26 R 35 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
Council Grove - limestone, white to buff to tan finely crystalline, fossiliferous fair to good porosity.	2793	2975	Base Stone	
			Corral	1891'
			Herrington	2519'
			Winfield	2572'
			Ft Riley	2633'
			Florence	2737'
			Wreford	2771'
			Council Grove	2793'
			TD	2975'
			Gamma Ray	
			Neutron	

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

Date Received

Dennis W. Litchner
Signature

Assistant Chief Production Clerk

Title

February 1, 1978

Date