

KANSAS DRILLERS LOG

API No. 15 — 055 —

20,396

County

Number

Operator

Helmerich & Payne, Inc.

Address

Box 558 Garden City, Kansas 67846

Well No.

#1

Lease Name

Riggs "A"

Footage Location

1250 feet from (N) (S) line 2640

feet from (E) (W) line

Principal Contractor

Gabbert-Jones, Inc.

Geologist

Joseph Blair

Spud Date

1-6-80

Total Depth

2950

P.B.T.D.

2916

Date Completed

1-10-80

Purchaser

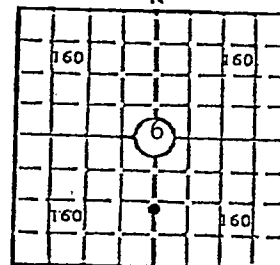
Gas

Colorado Interstate Gas

S. 6 T. 26 R. 33 Ex W

Loc. 1250 FSL & 2640 FEL

County Finney

640 Acres
N

Elev.: Gr. 2947

DF 2950 KB 2952

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 $\frac{1}{4}$	8-5/8"	23# & 24#	792	65/35 Pozmix Class H	350 150	6% gel, 2% CaCl ₂ , 1% skatell, 3% CaCl ₂ flake
Long String	7-7/8	5 $\frac{1}{2}$ "	14#	2949	65/35 Pozmix 50/50 Pozmix	575 100	6% gel, 1/4% skatell, 2% gel, 18% of salt
Braden head squeeze		8-5/8x5	sanctulus		50/50 Pozmix	200	6% gel, 3% CaCl ₂

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None					
TUBING RECORD			SEE EXTRA PAGE		
Size	Setting depth	Packer set at			
2-3/8	2904	None			

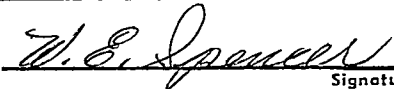
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidize w/1000 gal. 15% HCl. Squeeze with 100sks Class H	2930-2937&2922-2927
Acidize & frac using 3000 glas. 15% HCl, 93,000 gal. gelled water	2897-2908, 2887-2894,
10000# 100 mesh sand and 90000# 16-30 river sand.	2880-2882, 2874-2878 & 2867-2871

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 0	Gas 3491 bbls.	Water 36 MCF	Gas-oil ratio bbls. CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Sold to Colorado Interstate Gas			Council Grove A 2867-2908		

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.: O. DRY HOLE, SWDW, ETC.: Gas Well	
Well No. #1	Lease Name Riggs "A"		
S 6 T 26 R 33 ^{XX} _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
Herington - Dolomite Gas & Water	2571	2601	Herington 2571
Winfield - Dolomite Gas & Water	2627	2689	Winfield 2627
Ft. Riley - limestone Gas & Water	2695	2851	Ft. Riley 2695
Council Grove - Limestone Gas & Water	2851	2924	Council Grove 2851
Council Grove "B" - Limestone Gas & Water	2928	2950	Council Grove B 2928
No Cores or DST's taken DTD - 2950' LTD - 2948'		Ran Gamma Ray-Neutron Log after 5 1/2" csg. was set	
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature District Production Superintendent Title March 31, 1980 Date		