

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

API No. 15 — 093 — 20,553
County Number

Operator

Helmerich & Payne, Inc.

Address

P. O. Box 558 Garden City, Kansas 67846

Well No.

#3

Lease Name

White "A"

Footage Location

2110 feet from (N) ~~XX~~ line 2185 feet from ~~XX~~ (W) line

Principal Contractor

Gabbert-Jones

Geologist

Joseph Blair

Spud Date

7-31-78

Total Depth

3010

P.B.T.D.

2881'

Date Completed

11-7-78

~~XX~~Purchaser Gas

Colorado Interstate Gas

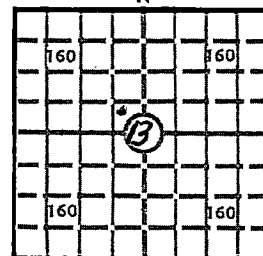
S. 13 T. 26 R. 35 ~~W~~

Loc. 2110' FNL & 2185' FWL

County Kearny

640 Acres

N



Locate well correctly

3003

Elev.: Gr.

DF 3006

KB 3008

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	23	804	65-35 Pozmix Class H	350 150	6%gel, 2%CaCl ₂ , 1/4# 3% CaCl ₂ sks Flocele
Production	7 7/8	5 1/2	14	3004	65-35 Poz mix 50/50 Pozmix	575 100	6%gel, 1/4#sks Flocele 2%gel, 18% salt

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
None		

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
2	1/2" Omega Jet	2944-2950
2	1/2" Omega Jet	2910-2920
2	1/2" Omega Jet	2886-2890

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8	2871	None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
750 gals 15% HCl acid	2944-2950
1500 gals 15% HCl acid	2910-2920 2944-2950
150 sks Class H cmt squeeze w/cmt. Retainer at 2904'	2910-2920 2944-2950

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	- 0 -	750	21		
	bbls.	MCF	bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Sold to Colorado Interstate Gas Company			Council Grove 2797-2873		

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.: Gas Well
Well No. #3	Lease Name White "A"	Gas Well
S 13 T 26S R 35 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
Herrington - Dolomite - Gas	2492	2554	Herrington	2492
Winfield - Dolomite - Gas	2557	2607	Winfield	2557
U. Ft. Riley - Dolomite - Gas	2613	2658	Ft. Riley	2613
L. Ft. Riley - Dolomite - Gas	2663	2749	Wreford	2754
Wreford - limestone	2754	2773	Council Grove	2773
Council Grove - Limestone & - Gas & H ₂ O Shale	2773	3010	Depth-Driller	3010
			Depth-Logger	3005
			Gamma-Ray Neutron	
No cores or Drill stem tests taken			log from 1500'-3004	

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

Date Received	 Signature District Production Superintendent Title November 29, 1978 Date
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13-26-35W

Operator - -	Type of completion
Helmerich & Payne, Inc.	Gas Well
Well No.	Lease Name
3	White "A"

S 13 T 26 R 35 W

Perforation Record

Shots per ft.	Size & Type	Depth Interval
2	1/2" Omega Jet	2864-2873
2	1/2" Omega Jet	2842-2850
2	1/2" Omega Jet	2811-2820
2	1/2" Omega Jet	2804-2808
2	1/2" Omega Jet	2797-2800

2

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth Interval treated
500 gals 15% HCl acid, Squeeze w/100 sks Class H cmt.	2886-2890
750 gals 15% HCl acid	Cement retainer at 2881 2864-2873
2500 gals 15% HCl acid and 120 ball sealers followed by	2797-2873
109,200 gals gelled H ₂ O 75,000# 20-40 sand and 75,000#	
10-20 sand	