

State Geological Survey
WICHITA, BRANCH

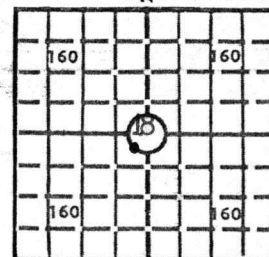
KANSAS DRILLERS LOG

S. 18 T. 26 R. 36 ^E_W

Loc. C NE NE SW

County Kearny

640 Acres



Locate well correctly

3055

Elev.: Gr.

DF 3060

KB 3063

API No. 15 — 093 — 20,201
County Number

Operator

Helmerich & Payne, Inc

Address

Box 558, Garden City, Kansas 67846

Well No.

"A"-3

Lease Name

Hillyard

Footage Location

2310 feet from (X) (S) line

2310 feet from (X) (W) line

Principal Contractor

Service Drilling Co.

Geologist

David A. Brierly

Spud Date

7-3-75

Total Depth

2890

P.B.T.D.

2890

Date Completed

10-28-75

Purchaser - Gas

Colorado Interstate Gas Co.

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"	28#	819	Howco Lite Class H	250	2% CaCl
Production	7-7/8"	4 $\frac{1}{2}$ "	10.5#	2890	Howco Lite Class H	750	3% CaCl
						100	10# Gilsontite/sack
							18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	Dynajet 1/2"	2804-2812'
			3	" "	2781-2792
			3	" "	2733-2738'

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	2855'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidize with 500 gallons 15% HCl	2804-2812
Frac w/120,000 gals fresh water & 120,000# river sand	2733-2812

INITIAL PRODUCTION

Date of first production 2-17-76	Producing method (flowing, pumping, gas lift, etc.) Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil 0 bbls. Gas 2874 MCF Water 12 bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) Sold- Colorado Interstate Gas Co.	Producing interval (s) 2733-2812' Council Grove

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. A-3	Lease Name Hillyard	Gas
S 18 T 26 R 36 E W		

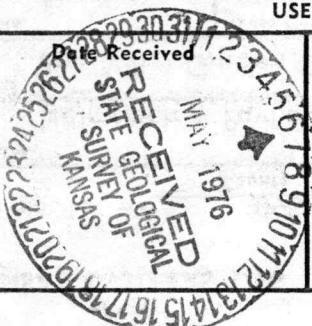
WELL LOG

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
Upper Krider- Dolomite	2440	2470	Base Stone Corral	1872
Lower Krider- Dolomite- Dolomitic Lime- stone- trace chert	2470	2482	Upper Krider	2440
			Lower Krider	2470
Winfield- Limestone & chalk some gas	2508	2526	Winfield	2508
Upper Ft. Riley- Limestone, shaley lime- stone, sand, chalky limestone- gas	2566	2608	Upper Ft. Riley	2566
			Lower Ft. Riley	2608
Lower Ft. Riley- Limestone, fossiliferous limestone and calcite, gas	2608	2640	Florence	2662
			Wreford	2712
Florence-Silty to sandy limestone- gas	2662	2682	Council Grove "A"	2728
Wreford- Limestone with calcite- gas	2712	2722	"B"	2778
Council Grove- Limestone, chalky lime- stone, chalk, much red bed caving in lower section. Gas	2728	T.D.	"C"	2812
			"D"	2826
			"E"	2856
			"F"	2870
			T.D.	2890
			Gamma Ray Neutron Log	1374-2874'

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



Tom Carroll
Signature
District Production Superintendent

Title

3-19-76

Date

741549

18-26-36W

API No. 15-093- 20,201

Hillyard A-3, Sec 18, T26S, R36W, Kearny County

Perforation Record

Shots per ft.	Size & type	Depth Interval
3	DynaJet 1/2"	2741-2747
3	" "	2750-2756

Acid, Fracture, Shot, Cement Squeeze Record

Amount & kind of material used	Depth Interval Treated

