

KANSAS DRILLERS LOG

API No. 15 — 055 — 20,308
County Number

Operator

Helmerich & Payne, Inc.

Address

P. O. Box 558 Garden City, Kansas 67846

Well No. #1

Lease Name
Jones "M"

Footage Location

1320 feet from (N) ~~(S)~~ line 2110 feet from (E) ~~(W)~~ line

Principal Contractor

Gabbert-Jones, Inc.

Geologist

Joseph G. Blair

Spud Date

6/24/78

Total Depth

2995'

P.B.T.D.

2993

Date Completed

8/17/78

Oil Purchaser

Colorado Interstate Gas Co.

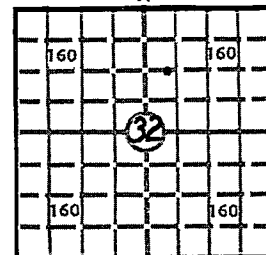
S. 32 T. 26 R. 34 ~~W~~

Loc. 2110' FEL & 1320' FNL NE

County Finney

640 Acres

N



Locate well correctly

Elev.: Gr. 2993

DF 2996 KB 2998

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#	801'	35-65 Pozmix Class H	350 150	6% gel, 2% CaCl 3% CaCl
Production	7 7/8"	5 1/2"	14#	2994'	35-65 Pozmix 50-50 Pozmix	575 100	1/4# D-29, 6% gel 18% salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			2	1/2" Omega Jet	2949-2963'
TUBING RECORD			2	1/2" Omega Jet	2938-2945'
Size	Setting depth	Packer set at		1/2" Omega Jet	2922-2930'
2 3/8"	2987'	None	2		

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

SEE ATTACHED CONTINUATION

Amount and kind of material used	Depth interval treated
750 gal. 15% HCl w/42 ball sealers	2949-2963'
Spearhead w/3500 gal. 15% HCl w/220 ball sealers	2828-2963'
Frac w/120,960 gal gelled water & 190,000# 16-30 sand	2828-2963'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
10-5-78		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	-0- bbls.	3712 MCF	18 bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
Sold-Colorado Interstate Gas Co.			2949-63', 2938-45', 2922-30, 2903-14'		

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. 1	Lease Name Jones "M"	
S 32 T 26S R 34 ^{XX} _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
Sand-shale	0	2198	Herrington	2510'
Shale-lime	2198	2995	Winfield	2571'
TD	2995'		U. Ft. Riley	2627'
			L. Ft. Riley	2667'
			Wreford	2762'
			Council Grove	2782'
			"A" zone	2804'
			"B" zone	2858'
			"C" zone	2880'
			"D" zone	2908'
			"E" zone	2921'
			"F" zone	2926'
			"G" zone	2956'
			TD	2995'
			Gamma Ray Neutron Log	1500-2978'

USE ² ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received	Signature <i>W.E. Spencer</i>
	District Production Superintendent
	Title
	Date August 18, 1978
	Date

32-26-34w

JONES "M" #1, Continuation

PERFORATION RECORD

SHOTS PER FOOT	SIZE & TYPE	DEPTH INTERVAL
2	½" Omega Jet	2903-2914'
2	½" Omega Jet	2880-2892'
2	½" Omega Jet	2842-2860'
2	½" Omega Jet	2828-2838'