State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

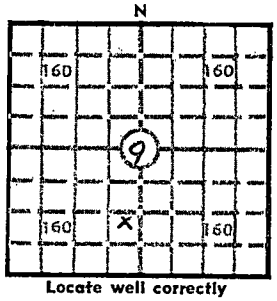
API No. 15 — 093 (County) — 20,113 (Number)

S. 9 T. 26S R. 38 E/W

Loc. 1250' FSL & 2590' FWL

County Kearny

640 Acres



Locate well correctly

Elev.: Gr. 3236'

DF _____ KB 3243

Operator: Amoco Production Company

Address: P. O. Box 432 - Liberal, Kansas 67901

Well No.: 2

Lease Name: James Gas Unit

Footage Location: 1250 feet from (N) (S) line 2590 feet from (E) (W) line

Principal Contractor: Service Drilling Company

Geologist:

Spud Date: 2-17-74

Total Depth: 2965'

P.B.T.D.: 2960'

Date Completed: 3-25-74

Oil Purchaser:

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	603	Class "H"	400	3% CACL
Production	7-7/8	5-9/16 5-1/2	14.62 14.00	2965	Specail	850	18% CACL

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
1	1/2	2756-64,2774-80
		2785-91,2799-01
		2815-22,2828-37
		2855-60,2873-82

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized with 2000 gals. of 15% HCL and fraced with 100,000 gals. water and 100,000# sand.	2756 - 2882'

INITIAL PRODUCTION

Date of first production: 3-25-74

Producing method (flowing, pumping, gas lift, etc.): Flowing

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	3,300 MCF	bbls.	CFPB

Disposition of gas (vented, used on lease or sold): Waiting on pipeline connection

Producing interval(s): 2756-2882'

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		DESIGNATE TYPE OF COMP.: DRY HOLE, SWDW, ETC.:
Amoco Production Company		Gas
Well No. 2	Lease Name James Gas Unit	
S 9 T 26S R 38 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	0	603	Gamma-Neutron	1460-2960'
Redbed, Sand	603	882		
Redbed, Glorietta Sand	882	1578		
Sand, Anhydrite, Shale	1578	1815		
Sand, Anhydrite, Gyp.	1815	2067		
Shale, Lime	2067	2420		
Lime, Shale	2420	2512		
Shale, Lime	2512	2666		
Lime, Shale	2666	2854		
Shale, Lime	2854	2965		

Test Info: 24 Hr. SIP 195#
20 Min. Open Flow 3.3MMCFD



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

Date Received

J. W. Vaughn
Signature

Area Administrative Supervisor
Title

May 9, 1974
Date