State Geological Survey
WICHITA BRANCH
WICHITA BRANCH

KANSAS 2-4-198

15-147-20256

WELL COMPLETION REPORT AND DRILLER'S LOG

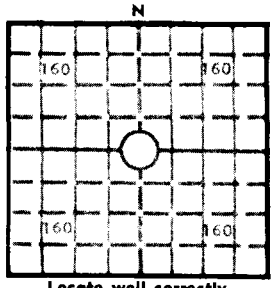
API No. 15 — 147 (County) — 20,256 (Number)

S. 2 T. 4 R. 19 E W

Loc. 1180' FWL & 1050' FSL NW

County Phillips

640 Acres
N



Locate well correctly

Elev.: Gr. 2039

DF 2042 KB 2044

Operator
American Petroleum Co., Inc.

Address 400 North Woodlawn, Suite 111 Wichita, Kansas 67208

Well No.	Lease Name
#4A	Grau

Footage Location
1050 feet from (N) (S) line 1180 feet from (E) (W) line

Principal Contractor	Geologist
Pioneer Drilling Co., Inc.	William H. Petersen

Spud Date	Date Completed	Total Depth	P.B.T.D.
5/21/79	5/26/79	3444'	

Directional Deviation	Oil and/or Gas Purchaser
None	CRA, Inc.

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	12¼"	8 5/8"	28#	218'	Portland	130	2% Gel
Production	7 7/8"	4½"	10.5#	3,444	Portland	175	10% Salt

LINER RECORD

None

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2"	3440'	None

PERFORATION RECORD

(See Back)

Shots per ft.	Size & type	Depth interval

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 Gallons M.C.A./3000 Gallons 28% Acid	3296-3285-3258-3240
3000 Gallons 28% Acid (Treated with above Perforations)	3193-3395

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
June 28, 1979	Swab

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	48 bbls.	None MCF	24 bbls.	N/A CFPB

Disposition of gas (vented, used on lease or sold)	Producing interval(s)
N/A	See Perforation Record

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, 245 No. Water, Wichita, Kansas 67202. 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	American Petroleum Co., Inc. 400 N. Woodlawn, Suite 111, Wichita, Ks. 67208	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: OIL
Well No. 4A	Lease Name G R A U	
S 2 T 4 R 19 ~~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
SHALE	0	221		
SHALE AND SAND	222	1509	Anhydrite	1537
SHALE AND SAND	1510	1536	Base Anhydrite	1555
ANHYDRITE	1537	1555	Topeka	2954
SAND AND SHALE	1556	1825	Heebner	3155
SHALE AND LIME	1826	2317	Toronto	3179
LIME AND SHALE	2318	2795	Lansing - K.C	3196
SHALE AND LIME	2796	2990	Base K.C.	3415
LIME AND SHALE	2991	3137		
LIME	3138	3252		
SHALE AND LIME	3253	3380		
LIME AND SHALE	3381	3445		
RTD		3445		

3395	1 Shot
3295 - 3297	6 Shots
3284 - 3286	6 Shots
3257 - 3259	6 Shots
3238 - 3240	6 Shots
3193	1 Shot

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

Date Received

James T. Barvais
Signature

James T. Barvais
President
Title

July 2, 1979
Date