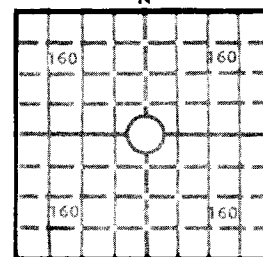


WICHITA BRAN 1
KANSAS DRILLERS LOGIMPORTANT
Ins. Geo. Survey request
samples on this well.15-147-20241
35-3-19wS. 35 T. 3 R. 19 $\frac{N}{W}$

Loc. SW SE SW

County Phillips

640 Acres
N

Elev.: Gr. 2060'

DF 2066' KB 2067'

API No. 15 — 147 — 20,241
County Number

Operator

American Petroleum Co., Inc.

Address

Suite 111, 400 N. Woodlawn Wichita, Kansas 67218

Well No.

#1B

Lease Name

Grau

Footage Location

330

feet from (N) (S) line

990

feet from (E) (W) line

Principal Contractor

TORNADO DRILLING CO.

Geologist

WILLIAM H. PETERSEN

Spud Date

August 25, 1978

Total Depth

3424'

P.B.T.D.

Date Completed

September 14, 1978

Oil Purchaser

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	12 $\frac{1}{4}$ "	8 5/8"	28#	202'	Portland	150	2% Gel, 3% cc
PRODUCTION	7 7/8"	4 $\frac{1}{2}$ "	9.5#	3422'	Portland	275	50-50 Posmix

LINER RECORD

N/A

PERFORATION RECORD (See Back)

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD		
Size	Setting depth	Packer set at
2"	3,406'	None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 Gallons 15% Non E Acid	3379-83'
1250 Gallons 15% Non E Acid	3286-90'
4000 Gallons 15% Non E Acid	3263-67'/3246-50'

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
September 13, 1978	Swabbing				
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	108 bbls.	None MCF	None bbls.	N/A	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Not Applicable			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, 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 AMERICAN PETROLEUM COMPANY, INC.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: OIL		
Well No. 1B	Lease Name GRAU			
S <u>35</u> T <u>3S</u> R <u>19</u> ^K _W				
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	
DEPTH				
SHALE -----	0	585	Anhydrite	+516
SHALE w/SAND STREAKS -----	585	1063	Base Anhydrite	+493
SAND -----	1063	1215	Topeka	-894
SHALE & RED BED -----	1215	1429	Heebner	-1091
SHALE -----	1429	1551	Toronto	-1115
ANHYDRIDE -----	1551	1577	Lansing - KC	-1131
SHALE -----	1577	1800	Base KC	-1351
SHALE & LIME -----	1800	2495	RTD	-1357
LIME & SHALE -----	2495	2825		
SHALE -----	2825	2982		
LIME -----	2982	3424		
RTD -----		3424		
PERFORATIONS: 3379 - 83' (2 per ft.) 3286 - 90' (2 per ft.) 3263 - 67' (2 per ft.) 3246 - 50' (2 per ft.)				
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	JAMES T. BARVAIS President Signature Title September 22, 1978 Date			