

KANSAS DRILLERS LOG

API No. 15 — 147 — 20,231
County Number

Operator

American Petroleum Company, Inc.

Address

Suite 111 400 N. Woodlawn Wichita, Kansas 67208

Well No.

#G-1A

Lease Name

Grau

Footage Location

340

feet from (N) (X) line

990

feet from (E) (W) line

Principal Contractor

RED TIGER DRILLING CO.

Geologist

WILLIAM H. PETERSEN

Spud Date

April 26, 1978

Total Depth

3450'

P.B.T.D.

Date Completed

May 1, 1978

Oil Purchaser

CRA, INC.

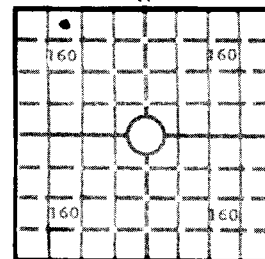
S. 2 T. 4 R. 19 W

Loc. NE NW NW

County Phillips

640 Acres

N



Locate well correctly

Elev.: Gr. 2049

DF 2051 KB 2054

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#	202'	PORTLAND	140	2% Gel, 3% cc.
PRODUCTION	7 7/8"	4 1/2"	9.5#	3448'	PORTLAND	150	50-50 Posmix

LINER RECORD

PERFORATION RECORD (See Back)

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

Size	Setting depth	Packer set at			
2"	3420'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1,000 Gallons MOD 202 & 750 Gallons Non E Acid	3366-70'
100 Gallons MOD 202 & 1250 Gallons Non E Acid	3347-51'
1250 Gallons Non E Acid	3280-84'
3000 Gallons 15% Non E Acid	3250-54 & 3231-35'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
June 6, 1978		Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	156 bbls.	N/A 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 CO., INC.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: oil		
Well No. 1	Lease Name GRAU			
S <u>2</u> T <u>4</u> S <u>R 19</u> ^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	595	ANHYDRITE	1529
SHALE W/ SAND STREAKS	595	1079	BASE ANHYDRITE	1553
SAND	1079	1229	HEEBNER	3156
SHALE & RED BED	1229	1445	TORONTO	3185
SHALE	1445	1529	LANSING - K.C.	3201
ANHYDRITE	1529	1556	BASE - K.C.	3420
SHALE	1556	1820	RTD	3450
SHALE & LIME STREAKS	1820	2515		
SHALE & LIME	2515	2858		
LIME & SHALE	2858	3000		
LIME	3000	3450		
RTD		3450		
<u>PERFORATIONS:</u> 3366-70' 3347-51' 3280-84' 3250-54' 3231-35'				
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	 _____ Signature _____ Title _____ 108, 1958 _____ Date			

15-147-20231
2-4-19W

DRILLERS LOG

No. G-1A Grau

CASING RECORD: 8 5/8" @ 202'
w/140 sx cement
4 1/2" @ 3,448'
w/150 sx cement
TOTAL DEPTH: 3,450'

COMPANY: American Petroleum Co., Inc.
CONTRACTOR: Red Tiger Drilling Company
COMMENCED: April 26, 1978
COMPLETED: May 1, 1978

DESCRIPTION: NE/4 NW/4 NW/4
Sec. 2-T4S-R19W
Phillips County, Kansas
ELEVATION: 2,049' GR

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Shale	0	595	
Shale w/Sand Streaks	595	1079	
Sand	1079	1229	
Shale & Red Bed	1229	1445	
Shale	1445	1529	
Anhydrite	1529	1556	
Shale	1556	1820	
Shale & Lime Streaks	1820	2515	
Shale & Lime	2515	2858	
Lime & Shale	2858	3000	
Lime	3000	3450	
RTD		3450	

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Gloria Fawcett
Gloria Fawcett

Subscribed and sworn to before me this 8th day of May, 1978.

James A. Hagermann
Notary Public