

# KANSAS DRILLERS LOG

API No. 15 — 007 — 21,119  
County Number

Operator  
NATIONAL COOPERATIVE REFINERY ASSN.

Address  
Box 6, GREAT BEND, KS. 67530

Well No. 1 Lease Name WERNER "A"

Footage Location  
990 feet from (S) line 1980' feet from (W) line SW/4

Principal Contractor SLAWSON DRLG. Geologist BOB DILTS

Spud Date 3-18-81 Total Depth 4416 P.B.T.D.

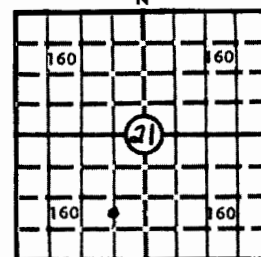
Date Completed 8-31-81 Oil Purchaser PERMIAN

S. 21 T. 32 R. 10 W

Loc. N/2 SE SW

County BARBER

640 Acres  
N



Locate well correctly

Elev.: Gr. 1452'

DF \_\_\_\_\_ KB 1458'

## 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"	24#	334'	COMMON	275	2% GEL 3% CaCl.
PRODUCTION	7 7/8"	5 1/2"	14#	4406	50/50 Poz	100	18% Salt Sat. 3/4% CFR-2

## LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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## PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
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## TUBING RECORD

Size	Setting depth	Packer set at
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2 3/8" 4389'

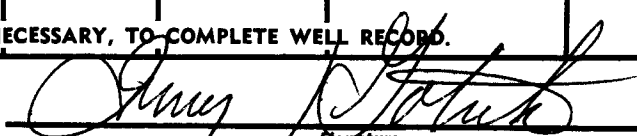
## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 GAL. 15% MUD ACID	4406 - 16' OPEN HOLE
11,500 GAL. GELLED FRESH WTR. & 5000# 20-40# SAND	4406 - 16' OPEN HOLE

## INITIAL PRODUCTION

Date of first production <u>8-18-81</u>	Producing method (flowing, pumping, gas lift, etc.) <u>PUMPING</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>10.8</u> bbls. Gas <u>53</u> MCF Water <u>109.2</u> bbls. Gas-oil ratio <u>4907 to 1</u> CFPB
Disposition of gas (vented, used on lease or sold) <u>SOLD TO PANHANDLE EASTERN</u>	Producing interval(s) <u>4406 - 16' OPEN HOLE</u>

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 NATIONAL COOPERATIVE REFINERY ASSN.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: GAS	
Well No. 1	Lease Name WERNER "A"		
S 21 T 32 R 10 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
SEE GEOLOGICAL REPORT ATTACHED			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature DISTRICT SUPERINTENDENT Title Nov. 4, 1981 Date		