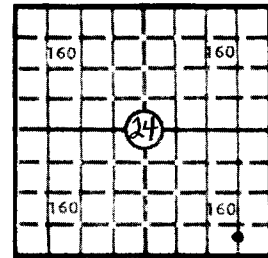


KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGAPI No. 15 — 009 — 21,960
County NumberS. 24 T. 19 R. 11 E
Loc. 100 N/C S2 SE SE

County Barton

640 Acres
N

Locate well correctly

Elev.: Gr. 1769'

DF KB 1774'

Operator

NCRA

Address

Box 6 Great Bend, Kansas 67530

Well No.

#4

Lease Name

Herr "C"

Footage Location

430 feet from (S) line 660 feet from (E) line SEC. 24

Principal Contractor

L.D. DRILLING Co.

Geologist

BRAD HUTCHISON

Spud Date

6-9-80

Date Completed

7-1-80

Total Depth

3320'

P.B.T.D.

Directional Deviation

Oil and/or Gas Purchaser

GETTY OIL

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#	500'	COMMON	200 150	2% GEL + 3% CaCl. 3% CaCl.
PRODUCTION	7 7/8"	5 1/2"	14#	3305'	50/50 POZ.	100	18% SALT SAT. 3/4 of 1% CFR-2

LINER RECORD

PERFORATION RECORD

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

TUBING RECORD

Size	Setting depth	Packer set at			
2 3/8"	3316'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 GAL. MOD 202 ACID	3305-20'

INITIAL PRODUCTION

Date of first production 7-1-80		Producing method (flowing, pumping, gas lift, etc.) PUMPING			
RATE OF PRODUCTION PER 24 HOURS		Oil 46.40 bbls.	Gas MCF	Water 33.60 bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold)				Producing interval(s) 3305-20' OPEN HOLE	

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 NATIONAL COOPERATIVE REFINERY ASSN.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: OIL	
Well No. 4	Lease Name HERR "C"		
S 24 T 19 R 11 W 100' N S/2 SE SE			
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 OCTOBER 9, 1980 Date		