

KANSAS *PL*WELL COMPLETION REPORT AND
DRILLER'S LOG

State Geological Survey

WICHITA BRANCH

S. 21 T. 12 R. 19W E

Loc. S/2-NE NE

County Ellis

API No. 15 — 051 — 21,781
County Number

Operator

Kansas Oil Corporation

Address

250 N. Rock Rd., Suite 300, Wichita, KS 67218

Well No.

#2

Lease Name

Wann-Harwood

Footage Location

990

feet from (N) X X X line

660

feet from (E) X X X line

Principal Contractor

B & N Drilling

Geologist

Rick Cornett

Spud Date

9-26-79

Date Completed

2-19-80

Total Depth

3750'

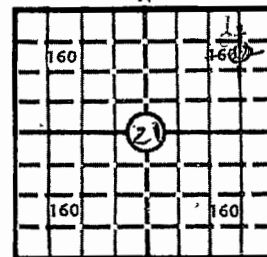
P.B.T.D.

Directional Deviation

None

Oil and/or Gas Purchaser

P & A

640 Acres
N

Locate well correctly

Elev.: Gr. 2178

DF 2186 KB 2188

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		8 5/8"		250'	common	185	2% gel 3% CaCl
Production		4 1/2"		3741	common	300	2% gel 3% CaCl

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2		3550-52
			2		3529-31, 3234-40
			2		3512-14, 3412-18

ACID, FRACTURE, SHOT, CEMENT-SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acid w/240 gals 15% mud acid. Swb. ONFU 700' SW, sli show of oil. Set permanent bridge plug.	3550-52
Swb. Acid w/250 gals mud acid. Set permanent bridge plug.	3529-31
Swb. Acid w/250 gals mud acid. Re-acid w/1000 gals 15% Non E Swb and shut in. ONFU 400' sw. Set bridge plug @ 3450.	3512-14
Acid w/250 gals MA. Swb w/no show & increasing SW. Set bridge plug.	3412-18
Acid w/250 gals MA. SION. ONFU 1500' SW.	3234-3240

INITIAL PRODUCTION

P & A

Date of first production		Producing method (flowing, pumping, gas lift, etc.)		
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s)	

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 Kansas Oil Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. #2	Lease Name Wann-Harwood	Dry Hole	
S 21 T 12S R 19W 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
Anhydrite	1494		
Topeka	3209		
Heebner	3437		
Toronto	3457		
Lansing	3478		
B/KC	3716		
DST#1, 3501-3565', 30-60-30-60, Rec. 310' Drilling mud w/spots oil. SIP 1050-977 psi., F 73-105 psi., 158-159 psi., Chlorides on mud sample 46,000 ppm. HP 1826-1794 psi.			
DST#2, 3664-3705', 30-30-30-30, Rec. 20' M, NW, SIP 285-122 psi., FP 30-30 psi., 20-20 psi., IH 1956-1936 psi.			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	Signature Michael R. Bryan Title 8-13-81 Date		