

KANSAS DRILLERS LOG & GEOLOGICAL REPORT

API No. 15 — 031 — 20,580
County Number

Operator
Lincoln - 77

Address
8485 Kathy Lane Lincoln, Nebraska 68506

Well No. #1 Lease Name Remer Riverside Farms

Footage Location 330 north 990 east line of
feet from (N) (S) line feet from (E) (W) line SE $\frac{1}{4}$ 28

Principal Contractor K & L Drilling Co. Geologist Richard B. Schmidt

Spud Date June 5, 1976 Neosho Falls, Ks. Total Depth 1037 P.B.T.D.

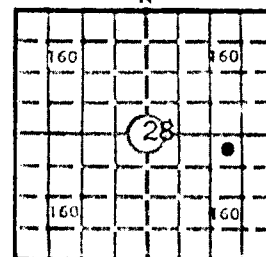
Date Completed June 7, 1976 rotary only Oil Purchaser Mid-America Refining Co. Inc.

S. 28 T. 22 R. 16 E W

Loc. NW NE SE

County Coffey

640 Acres
N



Locate well correctly
Elev.: Gr. 1005 estimated from
a USGS topo map
DF KB

CASING RECORD Chanute, Kansas

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
Fresh water protection	9 $\frac{1}{2}$	7 in.		48 feet	common	15	none
Production							
for oil	6 $\frac{1}{4}$	4 $\frac{1}{2}$		1027	common	30	none

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
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CORNISH

PERFORATION RECORD Gamma Ray - N

Shots per ft.	Size & type	Depth interval
2		1004 to 1011 ft.

TUBING RECORD

Size	Setting depth	Packer set at
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ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
50 gallons of 15 % Hydro-Cl acid	1004 to 1011 feet
25 sacks of 12 - 20 frac sand and 100 sacks of 10 - 20	
frac sand by Consolidated Oil Well Services, Chanute, Kansas,	with 255 barrels of

INITIAL PRODUCTION

Mid-America Refining crude-
frac- oil

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
July 6, 1976	flowing initially 29 barrels daily then reduced to 3 barrels daily

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	29 bbls.	none	none	

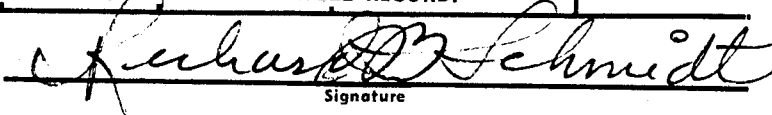
Disposition of gas (vented, used on lease or sold)	Producing interval (s)
Oil used to frac returned slowly	1004 to 1011 feet

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 LINCOLN - 77, Lincoln, Nebraska		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil well
Well No. 1	Lease Name Remer Riverside Farms, Inc.	Cornish = gamma ray -
S 28 T 22 R 16 E east W		1022 neutron log from to surface of ground

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, in- cluding depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Alluvium = fresh water sand	18	23		23 feet
Lime	202	202	Douglas	
Shale	574	580	Lansing	202
Shale	604	608	Stark	
Lime	608	634	Hush	
Shale	634	788	Hertha	
Lenapha shale	788	801	Pleasanton	
lime		822	Lenapha	
lime	880	912	Altamont	
lime	916	954	Pawnee	
shale black	954	958	Higginsville = Ft. Scott	
lime = five foot	958	964	Little Osage	
shale	964	967	Black Jack Creek	
Cored from	998 to	1018	Excello = Cherokee + 41	
Oil sand	1004	1011	Lagonda = Squirrel + 1	
Total depth		1037	Cherokee	
Oilfield Research Laboratories, Chanute, Kansas, June 11, 1976:				
998.0 - 999.1 = gray sandy shale,				
999.1 - 999.7 = Brown shaly sandstone				
999.7 - 1002.8 = Brown and gray broken sandstone and shale,				
1002.8 - 1009.4 =Dark brown slightly shaly sandstone,				
1009.4 - 1013.0 = Grayish dark brown very shaly sandstone,				
1013.0 - 1019.0 = Gray sandy shale. TOTAL 10.8 feet of sandstone but only				
6.6 feet is floodable sand.				
57.9 average permeability millidarcys,				
19.3 average percent porosity				
714 blls./A . Ft. average oil content				
7,712 bbls/acre total oil content with perhaps 10 to 20 percent recovery.				
The best Oil = permeable sand is from 1003.5 to 1009.5 feet				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received		
	Signature	
	Petroleum geologist	
	Title	
	October 1, 1976	
	Date	