

The Kansas Geological Survey needs samples from this well for research. If this well penetrates the PreCambrian, the Survey would like to have all the cuttings that contain crystalline samples. This is in addition to the samples normally sent in to the Wichita Well Sample Library.

21-1-86

KANSAS DRILLERS LOG
State Geological Survey
 API No. 15 - WICHITA COUNTY - 20,489 NUMBER

S. 21 T. 1 R. 26 K W
 Loc. NE SE NE
 County Decatur

Operator
Oxford Exploration Co.

Address
1030 Denver Club Bldg. Denver, Colo 80202

Well No. #21-81 Lease Name Richards

Footage Location
1610 feet from (N) (S) line 330 feet from (E) (W) line

Principal Contractor Murfin Drilling Company Geologist J.L. Reeves

Spud Date 2-24-80 Total Depth 3512' P.B.T.D.

Date Completed 2-29-80 Oil Purchaser Ashland Oil, Inc.

640 Acres
 N

RELEASED
 Date: JUN 4 1982
 Locate hole correctly
 FROM CONFIDENTIAL
 DF _____ KB 2391

CONFIDENTIAL

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	194'	60-40 poxmix	150	
Production	7 7/8"	4 1/2"	9.5	3507'	Common 50-50 pozmix	200	2% gel.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			5 holes		3218-20
			7 holes		3204-07
			9 holes		3475-79

TUBING RECORD

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production <u>3-19-80</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>			
RATE OF PRODUCTION PER 24 HOURS	Oil <u>24</u> bbls.	Gas <u>-0-</u> MCF	Water <u>18</u> bbls.	Gas-oil ratio <u>CFPB</u>
Disposition of gas (vented, used on lease or sold)			Producing interval (s) <u>3204-07, 3218-20</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 Oxford Exploration Company

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:
Oil well

Well No.

21-81

Lease Name

Richards

S 21 T 15 R 26 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	DEPTH
DST #1 LKC "A" 3179-3200			Anhydrite	1853
15, 30, 45, 90			Severy	3001
Recv. 200' VSOSMSW			Topeka	3029
IH 1609			Oread	3123
IF 33-49			Toronto	3175
ISIP 435			Lansing	3183
FF 49-115			B/ KC	3384
FSIP 451			Arbuckle	3480
FH 1585			Granite	3496
BHT 107°				
DST #2 LKC "B" 3195-3216				
15, 30, 45, 90				
Recv. 300' GIP				
115' OCM				
80' GCO				
IH 2513				
IF 33-57				
ISIP 279				
FF 57-98				
FSIP 295				
FH 2424				
BHT 107°				

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

Date Received

David E. Park, Jr.

 David E. Park, Jr. Signature

 President
 Title

 4-15-80
 Date

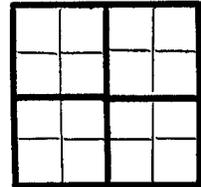
WELL LOG

15-089-20489
21-1-26W

COMPANY Oxford Exploration
FARM RICHARDS NO. 21-81
RIG. NO. 16
TOTAL DEPTH 3512'
COMM. 2-24-80 COMP. 3-2-80
CONTRACTOR Murfin Drilling Company

SEC. 21 T. 1S R. 26W
LOC. NE SE NE

COUNTY Decatur
KANSAS



CASING
20 10
15 8 -5/8" csg. set @ 194' w/150 sx.
12 6
13 5

ELEVATION

PRODUCTION

4 1/2" csg. set @ 3507' w/200 sx. (25 sx. of Common, 2% gel, + 175 sx. of 50-50 posmix, 2% gel.)

60' Surface Soil & Sand
195' Shale
219' Sand & Shale
1220' Shale & Sand
1853' Sand & Shale
1880' ANHYDRITE
2625' Shale
2850' Shale & Lime
3265' Lime & Shale
3390' Shale & Lime
3495' Lime
3512' Granite (Red) R T D

RECEIVED
MAR 1 2 1980
GEOLOGICAL DIVISION
LANSING, KANSAS