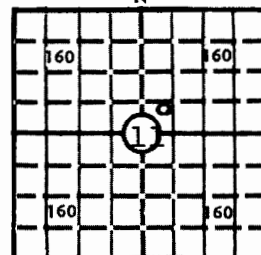


KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCHAPI No. 15 — 083 — 20,465
County NumberS. 11 T. 21S R. 25W^E_WLoc. 260'S & 150'W of C SW
NE

County Hodgeman

640 Acres
N

Locate well correctly

Elev.: Gr. 2300

DF 2303 KB 2306

Operator

National Oil Company

Address

200 W. Douglas, Suite 550, Wichita, KS 67202

Well No.

1

Lease Name

Grass "C"

Footage Location

2240 feet from (N) line 2130 feet from (E) line

Principal Contractor

H-30, Inc.

Geologist

Tom Satter

Spud Date

April 19, 1976

Total Depth

4433'

P.B.T.D.

Date Completed

April 29, 1976

Oil Purchaser

Koch Oil Co.

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	297	Common	225	2% gel, 3% cc
Production		5-1/2		4429			

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			


ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1250 gal 15%	4430-45'

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
RATE OF PRODUCTION PER 24 HOURS	Oil 10 bbls.	Gas MCF	Water bbls.	Gas-oil ratio	CFPB
Disposition of gas (vented, used on lease or sold)			Producing interval (s) 4430-45'		

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 Oil Company		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Oil					
Well No. 1	Lease Name Grass "C"						
S 11 T 21 S R 25 W 260' S & 150' W of C SW NE							
WELL LOG <small>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.</small>		<small>SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.</small>					
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; padding: 5px;">NAME</th> <th style="width: 50%; padding: 5px;">DEPTH</th> </tr> </thead> <tbody> <tr><td style="height: 100px;"></td><td></td></tr> </tbody> </table>	NAME	DEPTH		
NAME	DEPTH						
DST #1, 4362-4402'; 30-30-30-30; Wk blow, died; Rec 55' mud; FP 45-54; SIP 109-82.							
DST #2, 4388-4433'; 30-30-30-30; Br blow; Rec 150' slight to medium OCM; FP 45-109; SIP 1242-1168.							
DST #3, 4433-4438'; Rec 60' GIP, 230' O&GCM; FP 54-118; ISIP 1205; FSIP 1132.							
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.							
Date Received	<div style="text-align: center;">  <div style="display: flex; justify-content: center; gap: 10px;"> <div>Signature</div> <div>Exploration Manager</div> </div> <div style="display: flex; justify-content: center; gap: 10px;"> <div>Title</div> <div>July 15, 1976</div> </div> <div style="display: flex; justify-content: center; gap: 10px;"> <div>Date</div> <div></div> </div> </div>						

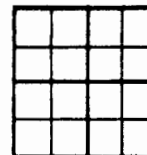
COMPANY The National Oil Company
FARM Grass "C" NO. 1

SEC. 11 T. 21S R. 25W
LOC. C-SW NE

TOTAL DEPTH 4,438'
COMM. April 19, 1976
SHOT OR TREATED
CONTRACTOR H-30, INC.
ISSUED May 6, 1976

COMP. April 30, 1976

COUNTY Hodgeman
KANSAS



CASING			
20	10		
15	8 5/8"	299' cemented w/225 sxs cement	ELEVATION 2,305' KB
12	6		
13	5 1/2"	4,429' cemented w/125 sxs cement	PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Shale	93'
Sand and Shale	298'
Shale	1,210'
Sand and Red Bed	1,550'
Anhydrite	1,572'
Red Bed and Shale	1,630'
Shale	2,411'
Shale and Lime	2,480'
Lime and Shale	2,920'
Shale and Lime	3,080'
Lime and Shale	3,415'
Shale and Lime	3,582'
Lime and Shale	3,800'
Lime	4,438'
Rotary Total Depth	4,438'

I hereby certify the above and foregoing to be
a true and correct log of the above described well
as shown by the drilling reports.

H-30, INC.

Dean Britting
Dean Britting

State of Kansas }
County of Sedgwick } ss:

Subscribed and Sworn to before me a Notary Public
in and for said county and state this 6th day of

May, 1976.

