

State Geological Survey

WICHITA, BRANCH

KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request samples on this well.

API No. 15 — 083 — 20262
County Number

S. 17 T. 21 R. 21 ^K/_W
Loc. C SE SW
County Hodgeman

Operator
National Oil Company

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

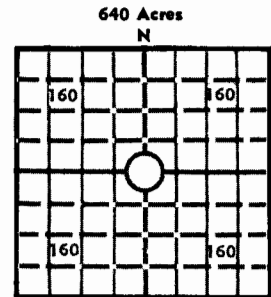
Well No. #1 Lease Name Bauer

Footage Location
feet from (N) (S) line _____ feet from (E) (W) line _____

Principal Contractor H-30 Drilling, Inc. Geologist Ton Wesselowski

Spud Date 12-22-72 Total Depth 4319' P.B.T.D. _____

Date Completed 1-3-73 Oil Purchaser _____



Locate well correctly
Elev.: Gr. 2138'
DF 2141' KB 2143'

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
		8-5/8"		312'	Common	160	2% gel., 3% cc
		5 1/2"		4314'			

LINER RECORD

PERFORATION RECORD

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

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production _____ Producing method (flowing, pumping, gas lift, etc.) _____

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbis.	MCF	bbis.	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, 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 Bauer

S17 T 21SR 21X W C SE SW

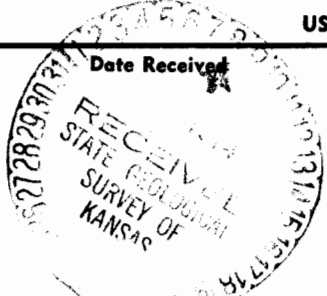
WELL LOG

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, 4277-4319, 15-30-105-45; Fair blow, Rec 210' Oil, 360' Very Heavy Oil cut Mud, 300' Mud Cut Oil, 60' Oil Cut Watery Mud, ISIP 1390-1390#, FP 35-400#				
			<u>FORMATION TOPS</u>	
			Anhydrite	1296 +847
			B/Anhydrite	1326 +817
			Heebner	3667 -1524
			Toronto	3686 -1543
			Lansing	3721 -1578
			B/KC	4078 -1935
			Ft. Scott	4234 -2091
			Cherokee Sh	4258 -2115
			Miss Osage	4314 -2171
			TD	4319 -2176
			<u>LOG TOPS</u>	
			Anhydrite	1296 +847
			B/Anhydrite	1316 +827
			Heebner	3666 -1525
			Toronto	3686 -1543
			Lansing	3722 -1579
			B/KC	4078 -1935
			Ft. Scott	4236 -2093
			Cherokee Sh	4260 -2117
			Miss Osage	4314 -2171
			TD	4317 -2174

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



Arden Ratzlaff

Signature Arden Ratzlaff

Kansas Exploration Manager

Title

August 30, 1973

Date

17-21-21W

KANSAS GEOLOGICAL SOCIETY
KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU
KANSAS GEOLOGICAL SOCIETY BUILDING
508 EAST MURDOCK - WICHITA, KANSAS

COMPANY **The National Oil Company**
FARM **Bauer** NO. **1**

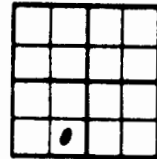
SEC. **17 T. 21S. 21W**
LOC. **C - SE SW**

TOTAL DEPTH **4,319'**
COMM. **December 21, 1972**
SHOT OR TREATED
CONTRACTOR **H-30, Inc.**
ISSUED

API #15-083-20, 262

COMP. **January 3, 1973**

COUNTY **Hodgeman**
KANSAS



CASING

20	10		
15	8	-5/8" 312' cemented w/160 sxs cement	ELEVATION 2143 KB
12	6		
13	5	1/2" 4,314' cemented w/600 sxs cement	PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Shale and Red Bed	750'	LOG TOPS	
Sand	935'	sc	1296
Shale	1,296'	b sc	1316
Anhydrite	1,326'	heeb	3666
Shale	2,165'	tor	3686
Lime and Shale	2,460'	lans	3722
Shale and Lime	2,465'	bkc	4078
Lime and Shale	3,845'	ft sc	4236
Lime	3,935'	sher sh	4260
Lime and Shale	4,023'	miss os	4314
Lime	4,319'	ltd	4317
Rotary Total Depth	4,319'	rtd	4319

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.

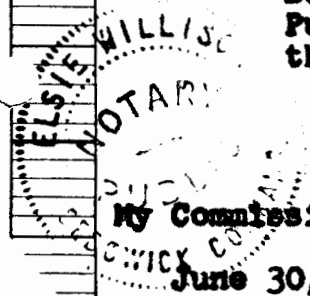
H-30, INC.

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 15th. day of January, 1973.



Elsie Willison
Elsie Willison - Notary Public

My Commission Expires:
June 30, 1974