

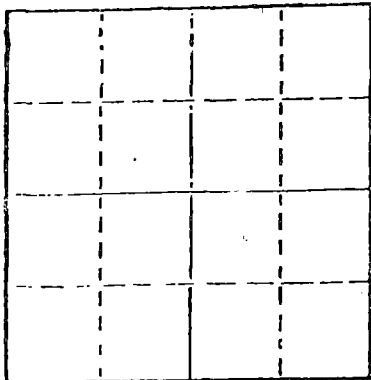
STATE OF KANSAS
STATE CORPORATION COMMISSION

15095-2117-0000

WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to
Conservation Division
State Corporation Comm.
245 North Water
Wichita, KS 67202

Kingman County. Sec. 10 Twp. 27S Rge. 7 E/W
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines _____
SW NE NW
Lease Owner National Oil Company
Lease Name Adrian Well No. 20-10
Office Address 200 W. Douglas, Suite 800, Wichita, Kansas 67202
Character of Well (Completed as Oil, Gas or Dry Hole) _____



Locate well correctly on above
Section Plat

Dry Hole
Date Well completed August 1, 1981
Application for plugging filed August 1, 1981
Application for plugging approved August 1, 1981
Plugging commenced August 1, 1981
Plugging completed August 1, 1981
Reason for abandonment of well or producing formation _____

If a producing well is abandoned, date of last production 19 _____

Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Maurice Leslie, Nashville, Kansas
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 4148'
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8-5/8"	270'	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hold. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Pumped 50 sacks 50-50 posmix, 4% Gel, 3% CC to 200'. Pushed hulls and plug for bridge to 40' with 10 sacks cement. Pumped 10 sacks cement in rat hole.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Graves Drilling Co., Inc.

STATE OF KANSAS COUNTY OF SEDGWICK, ss.
Betty Brandt (employee of owner) or (owner or operator)
of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) Betty Brandt
910 Union Center, Wichita, Kansas 67202
(Address)

SUBSCRIBED AND SWORN TO before me this 5th day of August, 19 81

Rebecca L. Matthews
Rebecca L. Matthews Notary Public.

My commission expires May 17, 1983

RECEIVED
STATE CORPORATION COMMISSION

AUG 6 1981
08-06-81
CONSERVATION DIVISION
Wichita, Kansas

15-095-2117-0000

R O T A R Y D R I L L E R S ' L O G

OPERATOR: National Oil Company
200 W. Douglas, Suite 800
Wichita, Kansas 67202

DRILLING COMMENCED: July 24, 1981

CONTRACTOR: Graves Drilling Co., Inc.
910 Union Center
Wichita, Kansas 67202

DRILLING COMPLETED: August 1, 1981

CASING RECORD: 6 Jts. 270' of new 8-5/8"
cemented with 225 sacks

LOCATION: Adrian No. 20-10
SW NE NW
Section 10-27S-7W
Kingman County, Kansas

0 -	270	Sand & red bed
270 -	372	Red bed
372 -	1145	Red rock
1145 -	1638	Shale
1638	4138	Shale & lime
4138 -	4148	Viola
4148		Rotary Total Depth

I hereby certify the foregoing statements to be true and correct to the best of my knowledge.

Copy sent to:
State Corporation Commission
Kansas Geological Society
Kansas Geological Survey

GRAVES DRILLING CO., INC.

By Rebecca Matthews
Secretary-Treasurer

STATE OF KANSAS)
) ss.
SEDGWICK COUNTY)

Subscribed and sworn to before me, a Notary Public, this 5th day of August, 1981.

Rebecca L. Matthews
Rebecca L. Matthews Notary Public

My commission expires: May 17, 1983.

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

API No. 15 - 095 - 21,117 - 0000
County Number

S. 10 27 T. R. 7 XK W

Loc. SW NE NW

County Kingman

Operator National Oil Company

Address 200 West Douglas, Suite 800, Wichita, Ks.

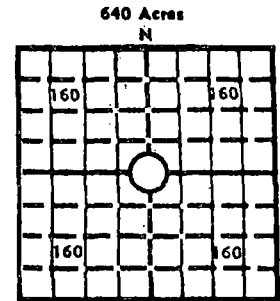
Well No. 21-10 Lease Name Adrian

Footage Location 990 feet from (N) 1/4 line 990' feet from (E) 1/4 line

Principal Contractor Graves Drilling Co. Geologist Geo. McCaleb

Spud Date 7-24-81 Date Completed 8-1-81 Total Depth 4148 RTD P.B.T.D.

Directional Deviation Oil and/or Gas Purchaser



Elev. Gr. 1534
Locate well correctly
DF KB 1545

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	Secks	Type and percent additives
surface	12-1/4	8-5/8	24#	270	reg	225	2% gel, 3% CC

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Secks cement	Shots per ft.	Size & type	Depth Interval

TUBING RECORD

Size	Setting depth	Pecker 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 bbls. Gas MCF Water bbls. Gas-oil ratio 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 an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

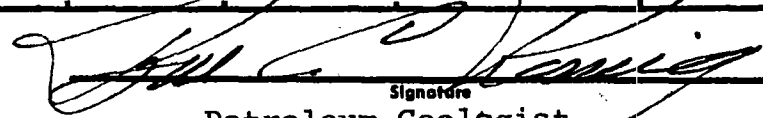
WELL LOG

Show all important features of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth intervals 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
<p>D.S.T. #1 3802-10 Times: 30,45,90 45 GTS 20 min, Gauged 51.8 CFG, end of init. 59 CFG, 2nd flow: 10" 50.2 CFG, 30" 78.6 CFG, 60" 92.5 CFG, 70" 95.3 CFG Stab. 95.3 CFG. Rec. 135' Muddy Wtr IFP 51-71, FFP 71-101, ISIP 1299# FSIP 1258#, Temp 120</p> <p>D.S.T. #2 4130-4138 Times: 30,45,45,45, tool slid 5' to btm, Rec. 185' mud, IFP 81-81, ISIP 1441, FFP 101-101, FSIP 1390 Temp. 122.</p> <p>Radiation Guard Electric Log ran.</p>			<p><u>E-Log Tops:</u> Brn Lime 3115' Lansing 3128' Drum 3438' Stark 3515' Base K.C. 3565' Cherokee 3708' Miss 3798' Miss, Lime 3872' Kinderhook 3970' Viola 4122'</p>	

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD

<p>Date Received</p>	<p style="text-align: center;">  Signature Petroleum Geologist <hr/> Title August 7, 1981 <hr/> Date </p>
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