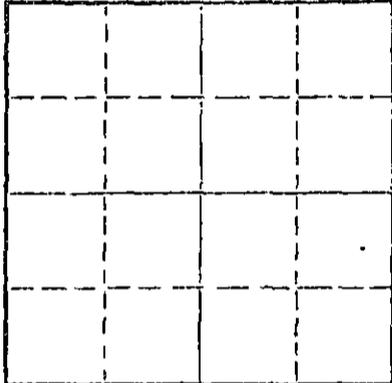


STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
P. O. Box 17027
Wichita, Kansas 67217
NORTH

WELL PLUGGING RECORD



Locate well correctly on above
Section Plot

Barton County, Sec. 28 Twp. 20 Rge. 12 (E) (W) X
Location as "NE/CNW/SW" or footage from lines SW NE SE
Lease Owner National Cooperative Refining Assoc.
Lease Name Brown Well No. #5
Office Address Box 6 Great Bend, Kansas
Character of Well (completed as Oil, Gas or Dry Hole)
Date well completed 19
Application for plugging filed 19
Application for plugging approved 19
Plugging commenced 1-8-74 19
Plugging completed 1-10-74 19
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?

Name of Conservation Agent who supervised plugging of this well Donald Truan
Producing formation Depth to top Bottom Total Depth of Well 3476' Feet
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
				5 1/2"	3475'	2776.45'
				8 5/8"	290'	

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 hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Made bottom hole plug back with sand to 3100' Mixed and ran 5 sacks cement thru dump bailer.

Plugged hole with 2 sacks hulls - 20 sacks gel and 100 sacks cement.

RECEIVED
STATE CORPORATION COMMISSION

1-14-74 JAN 14 1974

CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Southwest Casing Pulling Co.
Address Box 364 Great Bend, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.
Southwest Casing Pulling Co. (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) W. A. Spencer, Sec

Box 364 Great Bend, Kansas

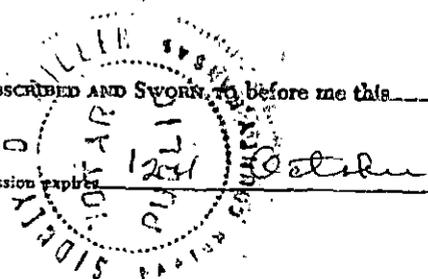
(Address)

SUBSCRIBED AND SWORN to before me this 12 day of January 1974

Sidney D. Miller

Notary Public.

My commission expires



*Beant Bond
was Date*

WELL LOG

Date Commenced November 11, 1959
Date Completed November 21, 1959

National Cooperative Refining
Association - Brown #5
SW NE SE Section 28-209-12W
Barton County County, Kansas

0' - 40'	Surface Clay & Sand
40' - 240'	Sand
240' - 290'	Red Bed
290' - 622'	Red Bed
622' - 644'	ANKYRITE
644' - 700'	Shale & Shells
700' - 1260'	Shells & Shale
1260' - 1390'	Salt & Shale
1390' - 1415'	Shale & Shells
1415' - 1615'	Shale & Lime
1615' - 1990'	Shale & Lime
1990' - 2265'	Lime & Shale
2265' - 2690'	Lime & Shale
2690' - 2845'	Shale & Lime
2845' - 2960'	Lime
2960' - 3030'	Lime & Shale
3030' - 3034'	Shale HEBNER
3034' - 3046'	Lime & Shale
3046' - 3062'	Lime TORONTO
3062' - 3155'	Shale DOUGLAS
3155' - 3173'	Lime & Shale
3173' - 3409'	Lime LANSING
3409' - 3476'	Dolomite ARBUCKLE

Elevation 1839 DF
1842 RB

Anhydrite	622 to 644 (Driller)
Hebner	3030' - 1189'
Toronto	3046' - 1205'
Douglas	3062' - 1221'
Lansing	3155' - 1314'
Lansing	3173' - 1332'
Arbuckle	3409' - 1568'
RTD	3476' - 1635'

Surface Casing: 8 5/8" set @ 290'
Production Casing: 5 1/2" set @ 3476'

RECEIVED
STATE CORPORATION COMMISSION
NOV 8 1973
CONSERVATION DIVISION
Wichita, Kansas

AFFIDAVIT

State of Kansas County of Barton

I, Lewis O. Chubb, employee of the owner, do swear that the statements and matters herein contained are true to the best of my knowledge.

THE DUKE DRILLING COMPANY

By: Lewis O. Chubb

Subscribed and sworn to before me this 27th day of November, 1959

Clair E. Thomas
Notary Public

My Commission Expires: June 21, 1963

[Handwritten signature]