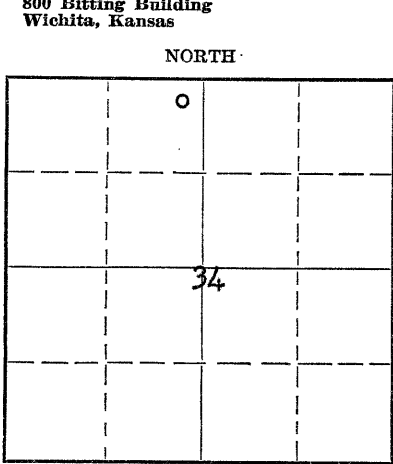


WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Biting Building
Wichita, Kansas



Locate well correctly on above Section Plat

Phillips County. Sec. 34 Twp. 1 Rge. 19 (W)
Location as "NE/CNW $\frac{1}{4}$ SW $\frac{1}{4}$ " or footage from lines NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$
Lease Owner W. J. Coppinger
Lease Name Hartzog Well No. 1
Office Address 320 Union Natl Bldg., Wichita, Kansas
Character of Well (completed as Oil, Gas or Dry Hole) Dry hole
Date well completed May 21, 19 53
Application for plugging filed May 23, 19 53
Application for plugging approved May 25, 19 53
Plugging commenced May 21, 19 53
Plugging completed May 21, 19 53
Reason for abandonment of well or producing formation dry hole

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 Eldon Petty, Box 326, Hays, Kansas
Producing formation Depth to top Bottom Total Depth of Well 3795 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 |
|-----------|---------|------|----|------|--------|------------|
| | | | | | | |
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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.

Filled hole with heavy mud and set bottom plug @ 140' with $\frac{1}{2}$ sax hulls and cemented with 15 sax through drill pipe. Filled with mud laden fluid to 40', $\frac{1}{2}$ sax hulls and 10 sax cement to bottom of cellar.

RECEIVED
MAY 28 1953
CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Sauvage & Dunn Drilling Co.
Address Oberlin, Kansas

STATE OF Kansas COUNTY OF Sedgwick, ss.
W J Coppinger

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) [Signature]
320 Union Natl Bldg., Wichita, Kansas
(Address)

SUBSCRIBED AND SWORN to before me this 27th day of May, 1953
[Signature] Notary Public.

My commission expires March 7, 1956

23-8390-s 6-51-20M
PLUGGING
FILE SEC 34 T 1 R 19W
BOOK PAGE 103 LINE 6

15-147-00089-00-00

Drillers Log

Operator: W. J. Coppinger & Sauvage & Dunn
Drilling Co.

Location: NE NE. NW.
Sec. 34 Twp. 1 Rge 19

Farm Name: Hartzog

Well Number: one

Contractor: Sauvage & Dunn Drlg Co.

Casing Record: 255 ft of
8 5/8 csg. cemented with
150 sacks cement.

Rotary Commenced: 5-13-53

Rotary Completed: 5-21-53

Elevation: 2144

| | |
|-----------|----------------------|
| 0-255 | Soil sand shale |
| 255-700 | shale Shells |
| 700-890 | shale shells |
| 890-960 | " " |
| 960-1050 | " " |
| 1050-1170 | sand |
| 1170-1200 | shale shells |
| 1200-1360 | shale sand pyrite |
| 1360-1480 | sand |
| 1480-1540 | shale shells red bed |
| 1540-1771 | shale shells red bed |
| 1771-1800 | andhyrite |
| 1800-1835 | shale shells |
| 1835-2150 | shale shells |
| 2150-2325 | shale lime shells |
| 2325-2460 | shale lime |
| 2460-2555 | " " |
| 2555-2690 | shale shells |
| 2690-2795 | " " |
| 2795-2915 | " " |
| 2915-3019 | " " |
| 3019-3200 | shale lime |
| 3200-3280 | " " |
| 3280-3328 | " " |
| 3328-3380 | " " |
| 3380-3435 | Lime |
| 3435-3476 | " |
| 3476-3520 | " |
| 3520-3580 | " |
| 3580-3640 | " |
| 3640-3682 | lime Shale |
| 3682-3750 | " " |
| 3750-3795 | Plug hole |

Certificate

State of Kansas
Decatur County
Edgemoor

I hereby certify that the foregoing is, to the best of my knowledge and belief a full, true and correct drilling log as shown by the daily drilling reports in connection with the aforesaid well.

MAY 23 1953

PLUGGING
FILE SEC 34 T 1 R 19 W
BOOK PAGE 102 LINE 6

CONSERVATION DIVISION
Wichita, Kansas

Walter Broadley
For Sauvage & Dunn Drlg. Co. Inc.

Subscribed to and sworn to before me, the undersigned, a Notary Public, this 26th day of May, 1953

Henry D. Ficken
Notary Public

My Commission expires

Apr. 18, 1953

15-147-00089-00-00

W. J. COPPINGER
HARTZOG No. 1.
Contractor: Sauvage & Stumm

NE NE NW

Sec. 34, T. 1, R. 19N.
PHILLIPS COUNTY, KANSAS.
Elev: 2144' D.P.

Samples examined, from 2550' to 3795' --- -- By:

Jack Cole
5/23/53

SAMPLE STUDY LOG.

| | |
|-----------------------|--|
| 2550 - 2580 | Red and Gray Shale and thin Sandstone shells. |
| 2580 - 2600 | White, Granular, Sacrose Dolomitic Limestone. |
| 2600 - 2616 | Red and Gray Shale and Limestone shells. |
| 2616 - 2630 | Brown-Gray Medium Crystalline Dolomite. Porous. No Show. |
| 2630 - 2653 | Brown-Gray Medium Crystalline Dolomite and Shale breaks. |
| 2653 - 2720 | Red and Gray Shale and Limestone shells. |
| 2720 - 2755 | Red and Gray Shale. |
| 2755 - 2765 | Red and Gray Shale and Limestone shells. |
| 2765 - 2790 | Red and Gray Shale. |
| 2790 - 3021 | Red and Gray Shale and Limestone shells. |
| TOPEKA: | |
| 3021 - 3035 | Gray Crystalline Limestone and Shale breaks. |
| 3035 - 3060 | Gray Crystalline Limestone. Fossiliferous in part. |
| 3060 - 3160 | Gray Shale and Limestone shells. |
| 3160 - 3175 | Gray Crystalline Limestone. |
| 3175 - 3270 | Red and Gray Shale and Limestone shells. |
| 3270 - 3330 | Gray Crystalline Limestone and Shale breaks. |
| HEBNER: | |
| 3330 - 3333 | Black Fissile Shale. |
| 3333 - 3359 | Gray and Buff Crystalline and Dense Limestone. |
| TORONTO: | |
| 3359 - 3375 | White Crystalline Limestone. |
| 3375 - 3384 | Red and Gray Shale and Limestone shells. |
| LANSING: | |
| 3384 - 3405 | Gray Crystalline Limestone. Trace of Chert. |
| 3405 - 3410 | Red and Gray Shale. |
| 3410 - 3428 | Gray Crystalline Limestone. Cherty. |
| 3428 - 3452 | Gray Crystalline Limestone. Cherty. Shale breaks. |
| 3452 - 3458 | Red Shale. |
| 3458 - 3488 | White, Finely Crystalline and Dense Limestone. |
| 3488 - 3502 | Gray Crystalline Limestone and Shale breaks. |
| 3502 - 3535 | White Crystalline Limestone. Fossiliferous in part. |
| 3535 - 3545 | Gray and Red Shale and Limestone shells. |
| 3545 - 3558 | White Crystalline Limestone. |
| 3558 - 3571 | Red and Gray Shale and Limestone shells. |
| 3571 - 3588 | White Crystalline Limestone. |
| 3588 - 3602 | Red and Gray Shale and Limestone shells. |
| 3602 - 3607 | White Crystalline Limestone. |
| 3607 - 3616 | Gray Crystalline Limestone and Shale breaks. |
| MARMATON: | |
| 3616 - 3689 | Red and Gray Shale and Limestone shells. |
| 3689 - 3710 | Light Gray Crystalline Limestone. |
| 3710 - 3732 | Red and Gray Shale and Limestone shells. |
| DETRITAL ZONE: | |
| 3732 - 3744 | Red Shale, Limestone shells and a trace of Sandstone. |
| ARBUCKLE: | |
| 3744 - 3795 | Gray and Brown, Medium Crystalline Dolomite. Trace of Porosity. No Stain. No Ocer. |

Total Depth: 3795'. D. & A.