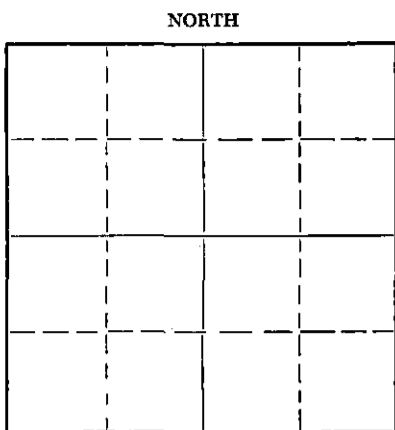


STATE OF KANSAS  
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

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

Stafford County. Sec. 23 Twp. 22 Rge. 12 NE (W)  
Location as "NE/CNW/SW" or footage from lines NW NE NE  
Lease Owner Musgrove Petroleum Corporation  
Lease Name Opal Well No. 2  
Office Address 407 KEH Building, Wichita 2, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Oil  
Date well completed June 9 1948  
Application for plugging filed February 28 1952  
Application for plugging approved February 28 1952  
Plugging commenced February 28 1952  
Plugging completed March 7 1952  
Reason for abandonment of well or producing formation Dry



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production March 15 1951  
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 C. D. Stough  
Producing formation Arbuckle Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3660 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
Surface casing				8-5/8"	243.71'	Cemented
Oil string casing				5-1/2"	3670.58'	1252.81'

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 w/mud from 1125' to 220'.  
Put in 10' rock bridge.  
Run 15 sz cement.  
Filled hole w/mud to 35'.  
Put in 5' rock bridge.  
Filled hole to top w/cement.

3-29-52

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

Name of Plugging Contractor Jayhawk Casing Pulling Company  
Address Ninth & Kansas Streets, Russell, Kansas

STATE OF KANSAS, COUNTY OF SEDGWICK, ss.  
GORDON L. KOELLING, (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) Gordon L. Koelling  
407 KEH Building, Wichita 2, Kansas  
(Address)

SUBSCRIBED AND SWORN TO before me this 28th day of March, 1952.

My commission expires July 9, 1952.

Mary Lou Rayer  
Notary Public.

**PLUGGING**  
FILE SEC 23 T 22 R 20  
BOOK PAGE 141 LINE 39

WELL LOG BUREAU -- KANSAS GEOLOGICAL SOCIETY  
412 Union National Bk. Bldg., Wichita, Kansas

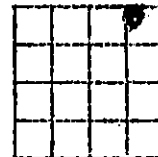
15-185-12750-0000

Company - MUSGROVE PETRO. CORP., INC.  
Farm - Opal No. 2

SEC. 23 T. 22 R. 12W  
NW NE NE

Total Depth. 3675'  
Comm. 5-29-48 Comp. 6-9-48  
Shot or Treated.  
Contractor. C. G. Drilling Co., Inc.  
Issued. 7-31-48

County. Stafford  
KANSAS



CASING:  
8-5/8" OD 243.71'  
5-1/2" OD 3670.58'

Elevation. \_\_\_\_\_

Production. Est. 25 Bbls.

Figures Indicate Bottom of Formations.

All Measurements from top Rotary Bushing

sand, shale & shells	240
shale & shells	640
anhydrite	660
redbed, shale & shells	1145
shale & shells	1515
shale & lime	1830
lime	2125
lime & shale	2880
lime	3575
lime cherty	3603
lime & shale	3635
shale	3660
lime RTD	3675
Total Depth	

Tops: (D.F.)

Heebner Shale	3141
Brown Lime	3266
Lansing Kansas City	3283
Viola	3559
Simpson	3603
Arbuckle	3656

PLUGGING  
FILE 23-12750-12W  
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10 X 122