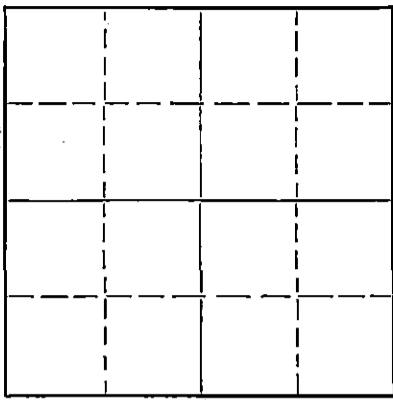


STATE OF KANSAS  
STATE CORPORATION COMMISSION

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

NORTH



Locate well correctly on above  
Section Plat

Stafford County. Sec. 23 Twp. 22 Rge. 12 (W)  
Location as "NE/CNW $\frac{1}{4}$ /SW $\frac{1}{4}$ " or footage from lines NW NW NE  
Lease Owner Misgrove Petroleum Corporation  
Lease Name Opal Well No. 1  
Office Address 407 KFH Building, Wichita 2, Kansas  
Character of Well (completed as Oil, Gas or Dry Hole) Oil  
Date well completed February 19 19 48  
Application for plugging filed January 30 19 52  
Application for plugging approved January 31 19 52  
Plugging commenced February 27 19 52  
Plugging completed February 28 19 52  
Reason for abandonment of well or producing formation Dry

If a producing well is abandoned, date of last production November 25 19 51  
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 \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 3672 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"	211.32'	Cemented
Oil String Casing				5-1/2"	3672.43'	2561.78'

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 to 210'.  
Put in 10' rock bridge.  
Mixed & ran 15 sacks cement.  
Filled hole to 35'.  
Put in 5' rock bridge.  
Mixed and ran 10 sacks cement.

(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.

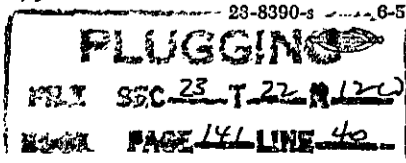
(Signature) Gordon L. Koelling  
407 KFH Building, Wichita, Kansas  
(Address)

SUBSCRIBED AND SWORN to before me this 13th day of March, 19 52

My commission expires July 9, 1952

Harry Lee Ryan  
Notary Public.

23-8390-3 6-51-20M



MAR 14 1952

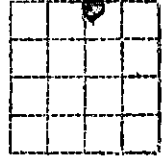
WELL LOG BUREAU KANSAS GEOLOGICAL SOCIETY  
412 Union National Bldg. Wichita, Kansas

Company: MUSGROVE PETROLEUM CORPORATION, INC.  
Farm: Opal No. 1

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

Total Depth. 3672'  
Comm 2-6-48 Comp. 2-19-48  
Shot or Treated.  
Contractor.  
Issued. 5-1-48

County: Stafford  
KANSAS



CASING:  
8-5/8" OD 211.32'  
5-1/2" OD 3672.43'

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

Production. Pot. 1346 BO

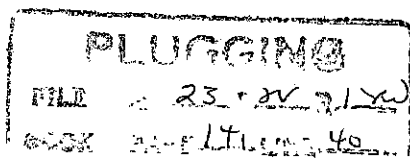
Figures Indicate Bottom of Formations.

sand & shale	0-120
shale	310
shale & red bed	632
anhydrite	660
red bed & shale	735
shale & shells	1550
lime	1620
lime & shale	3090
lime	3570
lime Viola	3603
lime	3630
lime & shale	3672
Total Depth	

Tops:	
Heebner	3149
Brown Lime	3275
Lansing K.C.	3292
Viola	3565
Simpson	3612
Arbuckle	3667
RTD	3669

All measurements from the  
top of Rotary Bushing.

- 3321 to 3326; trace of stain,  
poor porosity.
- 3345 to 3353; fair porosity, fair  
spotted staining.
- 3368 to 3377; light spotted  
staining, faint odor; fair porosity.
- 3391 to 3396; good porosity;  
faint odor, spotted saturation, con-  
siderable residual oil.
- 3433 to 3440; fair oolitic  
porosity. Light odor, light saturation  
in wet samples, spotted saturation  
in dry samples.
- 3497 to 3502; good porosity,  
trace of staining.



FEB 1 X 1952

cc. [unclear] SECTION

Wichita, Kansas