WELL PLUGGING RECORD

Phillips  County, Sec. 15  Twp. 5  Rge. (E), 20(W)
Location as "NE/CNWKSW" or footage from lines NW SE SE
Lease Owner: Cities Service Oil Co.
Lease Name: Hansen P
Well No.: 2
Office Address: Bartlesville, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) dry hole
Date well completed: 10/16/55
Application for plugging filed: 10/17/55
Application for plugging approved: 10/19/55
Plugging commenced: 10/16/55
Plugging completed: 10/17/55
Reason for abandonment of well or producing formation:

If a producing well is abandoned, date of last production:
Was permission obtained from the Conservation Division or its agents before plugging was commenced:

Name of Conservation Agent who supervised plugging of this well:
Mr. Eldon Petty
Producing formation: Arb.
Depth to top: Bottom: Total Depth of Well: 3577 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

<table>
<thead>
<tr>
<th>FORMATION</th>
<th>CONTENT</th>
<th>FROM</th>
<th>TO</th>
<th>SIZE</th>
<th>PUT IN</th>
<th>PULLED OUT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>200'</td>
<td></td>
<td>0'</td>
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</tbody>
</table>

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 with heavy rotary mud to bottom of surface pipe at 190', set wooden plug, dump 1 sack hulls and 15 sacks cement, fill with mud to 40', set wooden plug, dump 1 sack hulls and ten sacks cement to surface.

Name of Plugging Contractor: Barbour Drill. Co.
Address: Tulsa, Oklahoma

STATE OF KANSAS
COUNTY OF BARTON
M. W. Hardin  (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)
Box 553, Russell, Kansas

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

My commission expires March 17, 1959

Notary Public.
WELL RECORD

Company: Cities Service Oil
Well No.: 2
Farm: Hansen "P"

Location: 990' north & 990' west of SE Corner
Sec.: 15
T.: 5
R.: 20W

Elevation: 2133 (2131 Gr.)
County: Phillips
State: Kansas

Drlg. Comm.: 10-6-55
Contractor: Barbour Drilling Company
Drlg. Comp.: 10-16-55
Acid: None
T. D.: 3577'
Initial Prod.: Dry Hole P & A 10-16-55

CASING RECORD:
8 5/8" @ 200' cemented with 250 sacks

FORMATION RECORD:
clay & shells 0-40
sand & shells 90
shale & shells 211
shale 685
sand & shale 1320
shale 1650
shale & shells 1945
anhydrite 1975
shale 2005
lime & shale 2245
shale 2385
shale & lime 2541
lime 2680
shale 2840
shale & lime 2900
lime & shale 3178
lime 3395
lime & shale 3440
lime 3538
lime, shale & sand 3555
lime 3577 TD

Heebner 3228
Dodge 3253
Lansing 3272
Gorham Sand 3534
Arbuckle 3558
Penetration 19'
Total Depth 3577

DST 3537-62, open 1 hr., recovered 130' thin mud; BHP 790# in 30 minutes.
DST 3545-67, open 1 hr., recovered 610' thin slightly oil-cut mud & 10' muddy oil; BHP 930# in 30 minutes.
DST 3566-77, open 1 hr., recovered 90' muddy salt water with trace oil; BHP 760# in 30 minutes.

SYPO:
500' - 0°
1000' - 1°
1500' - 0°
2000' - 0°
2500' - 0°

7 7/8" Rotary Hole

PLUGGING:
PMS SEC. 15 T. 5 R. 20W
BOOK PAGE 2 LINE 37

RECEIVED
STATE GEOLOGICAL COMMISSION
NOV 23 1955
CONSERVATION DIVISION
Wichita, Kansas
11-23-55
# FIELD PURCHASE ORDER

## Cities Service Oil Co.

**Field Purchase Order Number:** 608751
**Date:** 10-27-55

**Issued to:** State Corporation Com.

**City:** Wichita
**State:** Kansas

**Material to be used for:**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>SIZE</th>
<th>DESCRIPTION</th>
<th>ACCOUNT NO</th>
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</thead>
<tbody>
<tr>
<td>10/20/55</td>
<td>Hansen #2</td>
<td>B45340</td>
<td>2500</td>
</tr>
<tr>
<td>10/24/55</td>
<td>Blayer #41</td>
<td>AS40/845343</td>
<td>2500</td>
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</table>

**PLUGGING**

**PK2 1500 8hrs. 10-54 CP 42176**

**Signed:** [Signature]

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USE CITIES SERVICE PRODUCTS