WELL PLUGGING RECORD

Norton County, Sec. 36, Twp. 58, Rge. 21, NW 1/4 (W)
Location as "NE/CNWW" or footage from line "NE SE SW"
Lease Owner: Cities Service Company
Lease Name: Kiteke
Office Address: Bartlesville, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole): Dry Hole
Date well completed: July 18, 1960
Application for plugging filed: July 18, 1960
Application for plugging approved: July 18, 1960
Plugging commenced: July 18, 1960
Plugging completed: July 18, 1960
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: A. D. Fabricius, Hill City
Producing formation: Depth to top... Bottom... Total Depth of Well 3630 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>0</td>
<td>2391</td>
<td>8.5/8&quot;</td>
<td>2391</td>
<td>none</td>
</tr>
</tbody>
</table>

Casing Record

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.

From 3630' to 500' - heavy rotary mud
500' to 4381' - plug, 1/2 sk hulls, 20 skc cement
4381' to 2391' - heavy rotary mud
2391' to 1731' - plug, 1/2 sk hulls, 20 skc cement
1731' to 60' - heavy rotary mud
60' to 61' - plug, 3/2 sk hulls, 10 skc cement
61' to surface - cellar

RECEIVED
STATE CORPORATION COMMISION

JUL 26 1960

CONSERVATION

Name of Plugging Contractor: P. O. Box 359 - Holtsington, Kansas
Address: P. O. Box 359 - Holtsington, Kansas

STATE OF KANSAS
COUNTY OF Barton
(employees of owner) or (employee of drilling contractor) 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: M. M. Hardin

Subscribed and Sworn to before me this ________ day of July, 1960

My commission expires: March 17, 1963

Notary Public.
### WELL RECORD

**WILDCAT**

**DISCOVERY**

**POOL**

**COMPANY**: Cities Service Oil Co.  
**WELL #**: 12  
**FARM**: Kitake

**LOCATION**: 330' South and 330' West of Center  
Section 36, Township 5, Range 21 West.

**ELEV.** 2190 DF  
**CO.**: Horton  
**STATE**: Kansas


**PERFS.**

**FRAC.** ACID None

**T.D.**: 3630'  
**PBTD**

**DRLG. COMM.**: July 8, 1960  
**COMP.**: July 10, 1960  
**CONTRACTOR**: Peel Brothers, Inc.

### CASING RECORD:

8-5/8" at 240' with 200 sacks cement.

### FORMATION RECORD:

<table>
<thead>
<tr>
<th>Formation</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>clay and sand</td>
<td>0-60</td>
</tr>
<tr>
<td>shale and shells</td>
<td>1125</td>
</tr>
<tr>
<td>shale and sand</td>
<td>1180</td>
</tr>
<tr>
<td>shale and shells</td>
<td>1750</td>
</tr>
<tr>
<td>anhydrite</td>
<td>1790</td>
</tr>
<tr>
<td>shale and shells</td>
<td>2065</td>
</tr>
<tr>
<td>shale and lime</td>
<td>2835</td>
</tr>
<tr>
<td>lime and shale</td>
<td>3085</td>
</tr>
<tr>
<td>shale and lime</td>
<td>3210</td>
</tr>
<tr>
<td>lime and shale</td>
<td>3295</td>
</tr>
<tr>
<td>lime</td>
<td>3310</td>
</tr>
<tr>
<td>shale and lime</td>
<td>3370</td>
</tr>
<tr>
<td>lime</td>
<td>3425</td>
</tr>
<tr>
<td>lime and chert</td>
<td>3505</td>
</tr>
<tr>
<td>lime</td>
<td>3560</td>
</tr>
<tr>
<td>shale and lime</td>
<td>3612</td>
</tr>
<tr>
<td>cored lime (rec. 3½')</td>
<td>3616</td>
</tr>
<tr>
<td>cored sand and shale (rec. 3')</td>
<td>3619</td>
</tr>
<tr>
<td>cored shist (rec. 1¼')</td>
<td>3622</td>
</tr>
<tr>
<td>Granite wash</td>
<td>3630 T.D.</td>
</tr>
</tbody>
</table>

**Heebner**: 3334  
**Dodge**: 3338  
**Lansing**: 3376  
**Base Kansas City**: 3568  
**Reagan**: 3616  
**Schist**: 3619  
**Granite Wash**: 3625  
**Granite**: 3629  
**Pen.**: 1'  
**T.D.**: 3630

**DST 3612-19**, open 1 hr., rec. 10" water with few specks oil, 12" slightly oil-cut mud, 5" oil-cut mud, and 7" oil; IHIP 670# in 30 minutes, FBIP 525# in 30 minutes.

**DST 3616-22**, open 1 hour, rec. 5" watery mud with trace oil, IHIP 675# in 30 minutes.

**Slope Tests (Вuфe):**

<table>
<thead>
<tr>
<th>Slope Test</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000' - ½'</td>
<td>1500' - ½'</td>
</tr>
<tr>
<td>2100' - 1'</td>
<td>3000' - 1'</td>
</tr>
</tbody>
</table>

7-7/8" Rotary hole.