**WELL PLUGGING RECORD**

**OR**

**FORMATION PLUGGING RECORD**

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**Location as "NE\NW\SW\NW4" or footage from lines.**

- **Lease Owner:** Stanolind Oil and Gas Company
- **Lease Name:** Fritz Brennake
- **Well No.:** 1
- **Office Address:** Box 561, Tulsa, Oklahoma

**Character of Well (completed as Oil, Gas or Dry Hole):** Dry Hole

**Date well completed:** 12-5
- Application for plugging filed: 12-5
- Plugging commenced: 12-6
- Plugging completed: 12-7

**Reason for abandonment of well or producing formation:** Well drilled to Granite Formation with no commercial production found.

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

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**Name of Conservation Agent who supervised plugging of this well:** H. W. Karr

**Producing formation:** Arbuckle

**Depth to top:** 3598

**Total Depth of Well:** 3788

**Feet Show depth and thickness of all water, oil and gas formations.** Reagan Sand not present.

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**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>Lansing</td>
<td></td>
<td>3265</td>
<td>18-5/8 OD</td>
<td>149</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Arbuckle</td>
<td></td>
<td>3598</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Granite</td>
<td></td>
<td>3788</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**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.

**Filled hole with heavy mud from TD 3788 to 150, set wood plug at 150, dumped 20 sacks cement to 130. Mudded hole from 130 to 16 feet and dumped 10 sacks cement from 16 feet to bottom of cellar as surface plug.**

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**Correspondence regarding this well should be addressed to:** G. A. Younie

**Address:** Box 35, Gorham, Kansas

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**STATE OF KANSAS**

**COUNTY OF RUSSELL**

**G. A. Younie** (employee of owner) or **(EXECUTED)** 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.

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**My commission expires:** 12-31-48

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**Notary Public.**
STANOLIND OIL AND GAS COMPANY
WELL RECORD

LEASE

LOCATION OF WELL: 800 FT. SOUTH OF THE SOUTH LINE AND 220 FT.

EAST OF THE WEST LINE OF THE

OF SECTION 2, TOWNSHIP 4, SOUTH, RANGE 19, EAST.

Phillips

COUNTY

STATE

ELEVATION: 1956 Derrick Floor

COMPLETED AS: OIL WELL O GAS WELL O WATER WELL O DRY HOLE

DRILLING: COMMENCED 11-16-46 COMPLETED 18-5-46

OPERATING COMPANY: Stanolind Oil and Gas Company ADDRESS: Box 991, Tulsa, Oklahoma

OIL OR GAS SANDS OR ZONES

<table>
<thead>
<tr>
<th>NAME</th>
<th>FROM</th>
<th>TO</th>
<th>NAME</th>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lansing</td>
<td>3266</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arbuckle</td>
<td>3869</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Granite</td>
<td>3796</td>
<td>6</td>
<td></td>
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<td></td>
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</tbody>
</table>

WATER SANDS

<table>
<thead>
<tr>
<th>NAME</th>
<th>FROM</th>
<th>TO</th>
<th>NAME</th>
<th>FROM</th>
<th>TO</th>
<th>WATER LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>

CASING RECORD (OVERALL MEASUREMENT)

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>WEIGHT</th>
<th>THREAD</th>
<th>MAKE AND GRADE</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>12-3/8</td>
<td>26</td>
<td>Spiral</td>
<td>National</td>
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</tbody>
</table>

LINER-SCREEN RECORD

<table>
<thead>
<tr>
<th>SIZE</th>
<th>MAKE AND TYPE</th>
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<tr>
<td></td>
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</tbody>
</table>

PACKER RECORD

<table>
<thead>
<tr>
<th>SIZE</th>
<th>LENGTH</th>
<th>SET AT</th>
<th>MAKE AND TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CEMENTING RECORD

<table>
<thead>
<tr>
<th>SIZE</th>
<th>WHERE SET</th>
<th>CEMENT</th>
<th>METHOD</th>
<th>FINAL PRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-5/8</td>
<td>155/200</td>
<td>Bass</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MUDDING RECORD

<table>
<thead>
<tr>
<th>SIZE</th>
<th>WHERE SET</th>
<th>CEMENT</th>
<th>METHOD</th>
<th>FINAL PRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WHAT METHOD WAS USED TO PROTECT SANDS WHEN OUTER STRINGS WERE PULLED? Home Pulled

WERE BOTTOM HOLE PLUGS USED? Yes

 IF SO, STATE KIND, DEPTH SET, AND RESULTS OBTAINED

ROTARY TOOLS WERE USED FROM 8 FEET TO 3788 FEET, AND FROM 3788 FEET TO 12-5/8 FEET

CABLE TOOLS WERE USED FROM 12-5/8 FEET TO 8 FEET, AND FROM 8 FEET TO 5 FEET

24-HOUR PRODUCTION OR POTENTIAL TEST: Abandoned in Granite Formation

IF GAS WELL, CUBIC FEET PER 24 HOURS _5
SHUT-IN PRESSURE _5
LBS. PER SQUARE IN.

SIGNED AND SWORN TO BEFORE ME THIS 10 DAY OF December 1946

MY COMMISSION EXPIRES 12-31-46

FORM 80-11-49
### FORMATION RECORD

Describe each formation drilled, indicate thickness, content and whether dry, oil, gas, or water bearing.

<table>
<thead>
<tr>
<th>FORMATION</th>
<th>TOP</th>
<th>BOTTOM</th>
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</thead>
<tbody>
<tr>
<td>Surface Soil</td>
<td>0</td>
<td>40</td>
</tr>
<tr>
<td>Clay and Sand</td>
<td>40</td>
<td>168</td>
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<tr>
<td>Shale and Shells</td>
<td>162</td>
<td>1023</td>
</tr>
<tr>
<td>Sandy Shale and Shells</td>
<td>1635</td>
<td>1645</td>
</tr>
<tr>
<td>Shale</td>
<td>1645</td>
<td>1620</td>
</tr>
<tr>
<td>Shale and Shells</td>
<td>1620</td>
<td>2190</td>
</tr>
<tr>
<td>Shale and Lime</td>
<td>2190</td>
<td>2650</td>
</tr>
<tr>
<td>Lime</td>
<td>2650</td>
<td>2740</td>
</tr>
<tr>
<td>Lime and Shale</td>
<td>2740</td>
<td>2865</td>
</tr>
<tr>
<td>Conglomerate</td>
<td>2865</td>
<td>2944</td>
</tr>
<tr>
<td>Lime and Shale</td>
<td>2947</td>
<td>3047</td>
</tr>
<tr>
<td>Lime</td>
<td>3047</td>
<td>3140</td>
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<tr>
<td>Lime and Shale</td>
<td>3140</td>
<td>3170</td>
</tr>
<tr>
<td>Lime</td>
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<td>3260</td>
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<tr>
<td>Lime and Shale</td>
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<td>3301</td>
<td>3421</td>
</tr>
<tr>
<td>Lime</td>
<td>3421</td>
<td>3423</td>
</tr>
</tbody>
</table>

- **Lime - Core #1 - 3419 to 21 full recovery, 1/2" grey fine x line lime, 8" grey shale no show DST, tool open 1 hour, recovered 30' drilling mud, no oil**
- **Cherty Lime and Shale**
  - Top: 3423
  - Bottom: 3463
- **Lime and Shale**
  - Top: 3463
  - Bottom: 3600
- **Lime - DST - two runs w/ packer, recovered 2" mud in 20 minutes**
  - Top: 3600
  - Bottom: 3626
- **Lime - DST, tool open 15 minutes, recovered 360' mud 1140' water**
  - Top: 3727
  - Bottom: 3736
- **Dolomite**
  - Top: 3736
  - Bottom: 3788
- **Granite Wash**
  - Top: 3788
  - Bottom: 3788
- **Granite (quartzite)**
  - Top: 3788
  - Bottom: 3788

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**Location Staked**: 11-4-46

**Date First Work**: 11-10-46

**Drilling Commenced**: 11-16-46

**Drilling Completed**: 12-5-46

**Dry Hole Completion**: 12-5-46

**Plugging Completed**: 12-7-46
STANOLIND OIL AND GAS COMPANY

Gorham, Kansas
December 10, 1946

File: G-1067-36

Re: Well and Formation Plugging Record
   Fritz Brenneke No. 1

Kansas State Corporation Commission
Conservation Division
800 Bitting Building
Wichita, Kansas

Gentlemen:

We are forwarding herewith original copy of Well and Formation Plugging Record and copy of Well Record covering drilling and completion of our Fritz Brenneke No. 1, Phillips County, Kansas, as a dry hole.

Yours very truly,

G. A. Younis

RIG:1bc
cc: T. L. Regan
    L. K. Worth

12-12-46