WELL PLUGGING RECORD

GRAHAM County, Sec. 16, Twp. 7 Rge. (E) 22 (W)

Location as "N 44 W 14 SW 24" or footage from line: NE/4, 990' fm East 330' fm North lines

Lease Owners:
Sinclair Prairie Oil Co

Lease Name: E.B. Worcester
Well No.: 1
Office Address: 821, Tulsa, Okla.

Character of Well (completed as Oil, Gas or Dry Hole): dry hole
Date well completed: Jan 15 1945
Application for plugging filed: Jan 22 1945
Application for plugging approved: Jan 25 1945
Plugging commenced: Jan 25 1945
Plugging completed: Jan 30 1945
Reason for abandonment of well or producing formation: dry hole completion

If a producing well is abandoned, date of last production: 12-1943
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: H.W. Kerr
Producing formation: Arbuckle
Depth to top: 3888
Bottom: 3868
Total Depth of Well: 3888
Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

<table>
<thead>
<tr>
<th>Formation</th>
<th>From</th>
<th>To</th>
<th>Put In</th>
<th>Pulled Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td>3582</td>
<td>13'</td>
<td>45'</td>
<td>0</td>
</tr>
<tr>
<td>Congl.</td>
<td>3815</td>
<td>9-5/8'</td>
<td>1296'</td>
<td>0</td>
</tr>
<tr>
<td>Arbuckle</td>
<td>3868</td>
<td>5-1/2'</td>
<td>3968</td>
<td>1850'</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 hold. If cement or other plugs were used, state the character of same and depth placed, from ..........feet to ......feet for each plug set.

Lane Wells plug at 3822' Rock to 3844'
# # at 3753' 3783'
# # 3647'
# # 3609'
# # 3542'
3542' - 3554' cement 5 sx
3554' - 1250' mud
1250' - 1256' bridge & 10 sx cement
1256' - 200' mud
200' - 105' cement 10 sx
185' - 10' mud
10' - 0' cement to btm cellar

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

Address:
VICTOR CHANCELLOR
Ex 774, Great Bend, Kans.

STATE OF KANSAS
COUNTY OF BARTON

I, VICTOR CHANCELLOR (employee of owner) or (FORMER EMPLOYEE) 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)

Ex 774, Great Bend, Kans.

My commission expires: 6th day of February 1945

Notary Public.
**Well Log**

**Sinclair Prairie Oil Co**

**Harbor Drilling Co**

Derrick furnished by dig contract.

Derrick begun Nov. 13, 1944.

Derrick Camp. Nov. 20, 1944.

Drilling began 9 a.m. Dec. 1, 1944.

Drilling completed on rotary.

Hole: Dec. 24, 1944 to TD-3688'1

**Surface Clay**
- 10' set at 42' w/500 ex.

**Send**
- 25' set.

**Pentnite**
- 5' set.

**Shale**
- 600' set.

**Shale & Shells**
- 1180' set.

**Sand & Shells**
- 1250' set.

**Shale & Shells**
- 1955' set.

**Lime**
- 1135' set.

**Red Clay**
- 1680' set.

**Shale & Sand**
- 1500' set.

**Shale & Shells**
- 1560' set.

**Anhydrite**
- 1800' set.

**Shale & Red Clay**
- 1795' set.

**Shale & Shells**
- 2110' set.

**Lime & Sand**
- 2410' set.

**Sand & Shells**
- 2500' set.

**Shale & Red Clay**
- 2625' set.

**Shale & Shells**
- 2635' set.

**Line & Alumina**
- 3755' set.

**Sand & Shells**
- 3970' set.

**Shale & Lime**
- 3990' set.

**Lime & Shells**
- 4095' set.

**Shale & Alumina**
- 4120' set.

**Lime**
- 4130' set.

**Mica**
- 4150' set.

**Lime & Sand**
- 4200' set.

**Shale & Shells**
- 4260' set.

**Shale & Lime**
- 4275' set.

**Shale & Sand**
- 4300' set.

**Shale**
- 4350' set.

**Lime**
- 4400' set.

**Lime & Alumina**
- 5050' set.

**Shale**
- 5095' set.

**Lime**
- 5120' set.

**Lime & Alumina**
- 5180' set.

**Lime & Line**
- 5200' set.

**Lime**
- 5250' set.

**Shale & Sand**
- 5300' set.

**Shale & Shells**
- 5350' set.

**Sand & Alumina**
- 5390' set.

**Lime & Sand**
- 5440' set.

**Lime & Alumina**
- 5460' set.

**Shale & Sand**
- 5500' set.

**Lime & Shells**
- 5517' set.

**Sand & Shells**
- 5534' set.

**Shale & Lime**
- 5560' set.

**Lime & Alumina**
- 5600' set.

**Shale & Sand**
- 5625' set.

**Shale & Lime**
- 5645' set.

**Sand & Alumina**
- 5665' set.

**Lime & Alumina**
- 5700' set.

**Lime**
- 5750' set.

**Lime & Alumina**
- 5775' set.

**Shale**
- 5798' set.

**Drill Stem**
- 5968' to rotary hole.

**Hole corrected to**
- 5 1/2' set at 2668' w/500 ex.

**Drilled**
- 3' lime.

**Pay Poposka 3600'**
- Top 3600' (15 ft in 30 ft) with a string of 8 ft, slight line 1/2 ft, very slight line 1 ft. Porosity 3600'65', 3575-30', 2600-06', 3540-05', 3500-06', 3475-21', 3400-40'.

**Top 3790'**
- Slight line 3790' top conglomerate. Top shaly line 3792' top sandstone. Top 3795' top red clay. Top 3796' to derrick end.

**TD**: rotary hole 3888'.

**Black oil, slight odor.**

**Run Schlumberger, set 500' at 2668' w/500 ex.**

**Drilled plus**: 3795' to 3888'.

**Line Wells**
- 43 shot 3860-1/2.

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**Gain**
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**Corrected Measurements**
- 2565' set.

**Gain**: 17213' from 2566' to 3888'.
Well Log
Sinclair Prairie Oil Co
Sheet: 2
M.S. Worcester 41

Swabbed off acid tested 2 hrs made 1/2 bbl heavy block oil & bbl salt water on hr. Set lava balls plug 3750' filled w/ rock to 3748'
Perf. 26 shots 3662-7' had 100 ft fluid in hole after 1 hr natural
water, next, 10 hr swab test swabbed 10 bbl fluid an hr which was
3/4 bbl oil & 1/4 bbl water.
Set plug 3647' perf. 18 shots 3630-35' had 56 ft fluid in 7 mins
50% water, 50% oil, swabbed test, showed 10 bbl fluid an hr 95% wtr 10% oil.
Set plug 3609' perf. 40 shots 3545-2655' bailing test showed 5 gal wtr
small show oil an hr.
Acidized 1000 gals 3000# max. press, min. 250# swabbed 11 bbl wtr an hr
w/ small show oil for 1 hr, shut down 12 hrs and filled up 3430-75 w/ small amount oil.
Set plug 3548' perf. 24 shots 3529-97' filled up 800 ft wtr small show
light gey oil in 1 hr, 1200 ft wtr in 25 hrs w/ small mat like gey oil.
All possibilities tested & S.D. to abandon.