WELL PLUGGING RECORD

Graham  County. Sec. 16  Twp. 7S  Rge. 22  NE 40 NE
Location as "NE/CNWSWSW" or footage from lines NE 5R NE
Lessee Owner  Empire Drilling Company - Time Petroleum Associates
Lessee Name  Worchester
Well No. 1
Office Address  650 Fourth National Bank Bldg. Wichita 2, Kansas
Character of Well (completed as Oil, Gas or Dry Hole)  Dry Hole
Date well completed  August 3  1963
Application for plugging filed  August 3  1963
Application for plugging approved  August 3  1963
Plugging commenced  August 3  1963
Plugging completed  August 3  1963
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  W. L. Nichols, Morland, Kansas
Producing formation  Depth to top  Bottom  Total Depth of Well  3743 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>Surface - Shale &amp; Sand</td>
<td>0</td>
<td>162</td>
<td>5/8&quot;</td>
<td>150'</td>
<td>-0-</td>
<td></td>
</tr>
</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.

Plug set at 540' with 20 sacks cement.
Plug set at 140' with 20 sacks cement.
Plug set at 35' with 10 sacks cement.

RECEIVED
STATE CORPORATION COMMISSION
AUG 14 1963
AUG 14 1963
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor  Empire Drilling Company
Address  650 4th National Bank Bldg., Wichita 2, Kansas

STATE OF  KANSAS  COUNTY OF  SEEGWICK  ss.

Dan J. Kornfeld

Dan J. Kornfeld
650 4th National Bank Bldg., Wichita 2, Kansas

My commission expires  October 21, 1966

Notary Public.
LOG

COMPANY: Time Petroleum Associates - Empire Drilling Company
CONTRACTOR: Empire Drilling Company
FARM: Worchester #1
LOCATION: NE SE NE Section 16-7S-22W, Graham County, Kansas
COMMENCED: July 26, 1963
COMPLETED: August 3, 1963

0 to 162 Surface - Shale & Sand
  162 to 900 Shale
  900 to 1070 Sand & Shale
  1070 to 1240 Shale
  1240 to 1460 Shale & Shells
  1460 to 1670 Sand
  1670 to 1931 Redbed
  1931 to 1962 Anhydrite
  1962 to 2300 Shale
  2300 to 2515 Shale w/ lime streaks
  2515 to 2640 Lime & Shale
  2640 to 2900 Shale-Lime
  2900 to 3015 Lime
  3015 to 3480 Lime & Shale
  3480 to 3530 Lime
  3530 to 3563 Lime & Shale
  3563 to 3605 Lime & Chert
  3605 to 3743 Lime
  3743 Rotary Total Depth

SET: 150' of 8 5/8" with 115 sacks cement.

SAMPLE LOG TOPS:

| Anhydrite  | 1931 | 1931 +392 |
| Topeka     | 3311 | 3311 -998 |
| Heebner    | 3508 | 3508 -1195|
| Toronto    | 3533 | 3533 -1220|
| Lansing    | 3549 | 3549 -1236|
| Base Kansas City | 3742 | 3742 -1429|
| Rotary Total Depth | 3743 | 3743 |

CERTIFICATION

I, Dan J. Kornfeld, do hereby certify that the above and foregoing is a true and correct copy of the log on the Worchester #1, NE SE NE Section 16-7S-22W, Graham County, Kansas, as reflected by the files of Empire Drilling Company.

Dan J. Kornfeld

Subscribed and sworn to before me, a Notary Public, within and for Sedgwick County, Kansas, this 12th day of August, 1963.

Lucille H. Harr, Notary Public

My commission expires October 21, 1966.