WELL PLUGGING RECORD

Rawlins County Sec. 33 Twp. 2 Rge. 33 (E) (W) X

Location as "NE/CNWSW" or footage from lines SE SE SW

Lease Owner Empire Drilling Co.
Lease Name Ruda R
Well No. 31
Office Address Box 50 Oberlin, Kansas 67749

Character of Well (completed as Oil, Gas or Dry Hole)
Date well completed 1972
Application for plugging filed 1972
Application for plugging approved 1972
Plugging commenced 12-23-72
Plugging completed 12-31-72
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
Producing formation
Depth to top
Bottom
Total Depth of Well 4040'
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>5 3/8&quot;</td>
<td>8 5/8&quot;</td>
<td>3924'</td>
<td>1944.54'</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.

Made bottom hole plug back with sand to 3760'. Mixed and ran 3 sacks cement thru dump bailer.
Squeezed hole with 3 sacks hulus - 80 sacks cement and 30 sacks gel. Released plug and displaced with 50 sacks cement.

Name of Plugging Contractor Southwest Casing Pulling Co.
Address Box 364 Great Bend, Kansas

STATE OF Kansas
Barton County

Southwest Casing Pulling Co., (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)

(Addres)

(Notary Public)

RECEIVED

STATE CORPORATION COMMISSION

JAN 5 1976

CONSERVATION DIVISION
Wichita, Kansas
**Well Log**

**Company:** Empire Drilling Company

**Farm:** Ruda "B"  
**No. 1**

**Rig No.: 3**  
**Total Depth:** 4040'  
**Comm:** 10-25-74  
**Comp:** 11-1-74

**Contractor:** Murfin Drilling Company

**Elevation:** 2843 ft

**Production:** 011

**Figures Indicate Bottom of Formations**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>50</td>
<td>Sand &amp; clay</td>
</tr>
<tr>
<td>880</td>
<td>Shale</td>
</tr>
<tr>
<td>2595</td>
<td>Shale - sand</td>
</tr>
<tr>
<td>2632</td>
<td>Anhydrite</td>
</tr>
<tr>
<td>2790</td>
<td>Shale</td>
</tr>
<tr>
<td>3105</td>
<td>Shale &amp; lime</td>
</tr>
<tr>
<td>3263</td>
<td>Shale &amp; shells</td>
</tr>
<tr>
<td>3630</td>
<td>Lime &amp; shale</td>
</tr>
<tr>
<td>3760</td>
<td>Lime</td>
</tr>
<tr>
<td>3825</td>
<td>Lime &amp; shale</td>
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<tr>
<td>3900</td>
<td>Lime</td>
</tr>
<tr>
<td>3930</td>
<td>Lime &amp; shale</td>
</tr>
<tr>
<td>3985</td>
<td>Lime</td>
</tr>
<tr>
<td>4040</td>
<td>Lime &amp; shale</td>
</tr>
<tr>
<td>4040</td>
<td>TD</td>
</tr>
</tbody>
</table>

**Received**

**State Corporation Commission**  
**Nov 20, 1975**  
**Conservation Division**  
**Wichita, Kansas**

**State of:** Kansas  
**County of:** Sedgwick

**I, James R. Daniels, of the Murfin Drilling Company, declare that the above and foregoing is a true and correct copy of the log of the Ruda "B" No. 1 well.**

**Notary Public**

**Barbara Cole**

**Seal**

**Barbara Cole, Notary Public**  
**By Commission Expires Sept 5, 1976**

**Journal Entry**

**Signed and sworn to before me this 12th day of November, 1974.**