WELL PLUGGING RECORD

Wichita County, Sec. 16 Twp. 37 Rge. 37 (E) (W)
Location as "NE/CNWAR" or footage from lines C MM NW
Lease Owner: Panhandle Eastern Pipe Line Co.
Lease Name: Nelson
Well No. 01
Office Address: Box 351
Character of Well (completed as Oil, Gas or Dry Hole): Oil
Date well completed: Sept. 11
Application for plugging filed: August 24
Application for plugging approved: August 24
Plugging commenced: August 25
Plugging completed: August 27
Reason for abandonment of well or producing formation: Would not produce in commercial quantities.
If a producing well is abandoned, date of last production: August 2
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: Mr. G. Leiker
Producing formation: Marmaton
Depth to top: 4602'. Bottom: 6817'. Total depth of well: 6617'.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Wab.</td>
<td>2540</td>
<td>3797</td>
<td>8-5/8&quot;</td>
<td>519'</td>
<td>left in</td>
</tr>
<tr>
<td>Top.</td>
<td>4797</td>
<td>4007</td>
<td>4-1/2&quot;</td>
<td>4607'</td>
<td>indicated below</td>
</tr>
<tr>
<td>Heeb.</td>
<td>4023</td>
<td>4097</td>
<td>4-1/2&quot;</td>
<td>4607'</td>
<td></td>
</tr>
<tr>
<td>Top.</td>
<td>4023</td>
<td>4097</td>
<td>4-1/2&quot;</td>
<td>4607'</td>
<td></td>
</tr>
<tr>
<td>Lom.</td>
<td>4502</td>
<td>6131</td>
<td>8-5/8&quot;</td>
<td>4607'</td>
<td></td>
</tr>
<tr>
<td>Harm.</td>
<td>2540</td>
<td>3797</td>
<td>8-5/8&quot;</td>
<td>519'</td>
<td>left in</td>
</tr>
<tr>
<td>Cher.</td>
<td>1461</td>
<td>1461</td>
<td>1-1/2&quot;</td>
<td>4607'</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.

4-1/2" set at 4607' with 250 sacks + 355 gallons of sealant. Perf. at 4524'. Pumped in 20 sacks of cement at 44.51' by Halliburton Cementing Co. Shot off at 2835'. Pulled up to 560'. Pumped in 20 sacks of cement. Pulled up to 210'. Pumped in 20 sacks of cement. Pulled 8-5/8" casing with mud within 60' of top. Put in 10' of Rock Bridge then cemented to top with 10 sacks of cement. 8-5/8" casing cut off 5' below ground level and capped.

This plugging was witnessed by state pluggers of Kansas, Mr. G. Leiker, Victoria, Kansas.

PLUGGING FILE SEc. 16 T. 17 R. 37W
BOOK PAGE 62 LINE 2

STATE OF Kansas COUNTY OF Seward
Panhandle Eastern Pipe Line 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) [Signature]

(Address) [Address]

SUBSCRIBED AND SWORN TO BEFORE ME THIS 31st day of August, 1959.

My commission expires DEC. 9, 1964

STATE CORPORATION COMMISSION

WICHITA, KANSAS

CONSERVATION DIVISION

WICHITA, KANSAS

SEP 2 1959

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

Name of Plugging Contractor: Daco Well Service
Address: Borger, Texas

My commission expires DEC. 9, 1964

Notary Public.
**DRILLER'S LOG**

**WELL NAME:** NELS N #1-16  
**WELL LOCATION:** ft. of line, and ft. of line, (WICHITA) Sec. 16, Twp. 17S, Rge. 37W, Wichita County, Kansas. Elevation: 3362 ft. G.L.

**COMPANY:** Panhandle Eastern Pipeline Company, Box #79, Liberal, Kansas  
**CONTRACTOR:** Musgrove Petroleum Corporation, 801 Union Center Rdg., Wichita, Kansas

**DRILLING COMMENCED:** 7/13/57  
**DRILLING COMPLETED:** 10-10-57  
**WELL COMPLETED:** 8/22/57  
**WELL CONNECTED:**

**PRODUCTION INFORMATION:**

**SOURCE OF DATA:** Driller's Reports

---

### ROTARY LOG

<table>
<thead>
<tr>
<th>Description of Formation</th>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lime</td>
<td>5155</td>
<td>5770</td>
</tr>
<tr>
<td>Sand &amp; Lime</td>
<td>5770</td>
<td>5965</td>
</tr>
<tr>
<td>Line</td>
<td>5965</td>
<td>5977</td>
</tr>
<tr>
<td>Sand</td>
<td>5977</td>
<td>6000 TD</td>
</tr>
</tbody>
</table>

**FORMATIONS**  

- Habaunsee: 2510 ft.  
- Topeka: 3797 ft.  
- Hebron: 5077 ft.  
- Toronto: 4023 ft.  
- Lansing: 4097 ft.  
- Hallston: 4102 ft.  
- Cherokee: 4613 ft.  
- Morrow Shale: 4831 ft.  
- Morrow Sand: 4860 ft.  
- Mississippian: 4930 ft.  
- Viola: 5485 ft.  
- Arbuckle: 5668 ft.  
- Regan Sand: 5960 ft.

*Producing Formation(s)*

---

**PERFORATIONS:**

- 4528-4532  
- 4503-4509  
- 4532-4539

---

**WELL TREATMENT RECORD:**

- A/2000 gal 15% = 8/8/57  
- A/500 gal HA = 8/27/57  
- A/500 gal HA = 8/30/57  
- A/1000 gal HA = 9/6/57
CONTRACTOR'S WELL LOG

COMPANY: Panhandle Eastern Pipe Line Co.
CONTRACTOR: Magsrove Petroleum Corporation
FARM: NELSON #1
LOCATION: C NW NW, Sec. 16-17S-37W
Wichita County, Kansas
COMMENCED: July 18, 1957
COMPLETED: August 22, 1957

Magsrove Petroleum Corporation drilled this well from 0' to 5155', then it was taken over by Panhandle Eastern Pipe Line Co.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>5155</td>
<td>Lime</td>
</tr>
<tr>
<td>5770</td>
<td>Sand &amp; lime</td>
</tr>
<tr>
<td>5865</td>
<td>Lime</td>
</tr>
<tr>
<td>5977</td>
<td>Sand</td>
</tr>
<tr>
<td>6000</td>
<td>Rotary Total Depth</td>
</tr>
</tbody>
</table>

Set 8-5/8" surface casing at 549' w/275 sx Poemix, 2% calcium chloride.
Set 4-1/2" casing at 4607' w/240 sx common cement, 2% calcium chloride, and 355 gallons Sealment.

STATE OF KANSAS  
COUNTY OF SEDGWICK

I, Emil E. Bowers, do hereby certify that the above and foregoing is a true and correct copy of the log of the NELSON #1, C NW NW, Section 16-17S-37W, Wichita County, Kansas, as reflected by the files of the Magsrove Petroleum Corporation.

MAGSROVE PETROLEUM CORPORATION

BY
Secretary-Treasurer

Subscribed and sworn to before me, a Notary Public, in and for Sedgwick County, Kansas, this 26th day of August, 1957.

My commission expires June 16, 1959.