STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

API NO. 15-163-22.631 00-00
County: Rooks
SE SW NE  Sec. 16  Twp. 7 Sw. Rge. 19  X East
2970 Ft North from Southeast Corner of Section
1650 F from Southeast Corner of Section
(Note: Locate well in section plot below)
Lease Name: McCauley
Well No. 5
Field Name: GRAVER WEST
Producing Formation: Arbuckle & Kansas City
Elevation: Ground 1920', KB 1925'

WATER SUPPLY INFORMATION
Disposition of Produced Water: Disposal
Docket # 38147 21-1862
Repressuring

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are correct and to the best of my knowledge.

Signature: Charles G. Comeau
Petroleum Geologist
Date: 2-29-80

Subscribed and sworn to before me this ______ day of ________ 19__,
Notary Public
Date Commission Expires: 3-9-88

JOLENE GARVET
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 9-3-95

K.G.G. OFFICE USE ONLY
If Letter of Confidentiality Attached
X Kilkeline Log Received
Drillers Timelog Received
Distribution
X KCC SW/Ro Plug Other
X KGS Plug Other (Specify)

APR. 1-1985
Form ACO-1 (7-84)
**WELL LOG**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IF 33-66, FF 91-117, Shut-in 1049-975. Rec. 440' gas 220' cl. gassy oil, 60' mud-cut oil.</td>
<td>sand and shale</td>
<td>0'</td>
<td>254'</td>
</tr>
<tr>
<td>DST #2: 3364-3389/30-30-30. Blow weak, dec. to dead. IF 16-16, FF 16-16, Shut-in 41-33. Rec. 10' oil cut mud.</td>
<td>shale and sand</td>
<td>254'</td>
<td>600'</td>
</tr>
</tbody>
</table>

**LOG TOPS**

| Anhydrite | 1406 (+519) |
| Topeka | 2867 (-942) |
| Heebner | 3070 (-1145) |
| Toronto | 3094 (-1169) |
| Lansing/KC | 3110 (-1185) |
| Base/KC | 3325 (-1400) |
| Arbuckle | 3368 (-1443) |

**CASING RECORD**

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole</th>
<th>Size Casing</th>
<th>Weight</th>
<th>Setting</th>
<th>Depth</th>
<th>Type of Cement</th>
<th>#Sacks</th>
<th>Percent</th>
<th>Type and Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Casing</td>
<td>12 1/4&quot;</td>
<td>8 5/8&quot;</td>
<td>204'</td>
<td>351'</td>
<td>60-600'</td>
<td>180'</td>
<td>26gel 3%cc</td>
<td>26gel 3%cc</td>
<td></td>
</tr>
<tr>
<td>Production</td>
<td>8-1/2&quot;</td>
<td>4-1/2&quot;</td>
<td>10.5'</td>
<td>342'</td>
<td>60-600'</td>
<td>180'</td>
<td>26gel 3%cc</td>
<td>26gel 3%cc</td>
<td></td>
</tr>
<tr>
<td>Production (top)</td>
<td>7 7/8&quot;</td>
<td>4 1/2&quot;</td>
<td>342'</td>
<td>50-500'</td>
<td>350'</td>
<td>34gel</td>
<td>34gel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PERFORATION RECORD**

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specify Footage of Each Interval Perforated</th>
<th>Depth Treated w/300 gal. 15% L.M.</th>
<th>3389-3392'</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/foot</td>
<td>3398'</td>
<td>3398'</td>
<td></td>
</tr>
<tr>
<td>2/bach</td>
<td>3398'</td>
<td>3398'</td>
<td></td>
</tr>
<tr>
<td>4/foot</td>
<td>3212-3214'</td>
<td>3212-3214'</td>
<td></td>
</tr>
</tbody>
</table>

**TUBING RECORD**

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer at</th>
<th>Liner Run</th>
<th>Date of First Production</th>
<th>Producing Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 3/8&quot;</td>
<td>3398'</td>
<td>3398'</td>
<td>3-26-85</td>
<td>Flowing</td>
<td>Pumping</td>
</tr>
</tbody>
</table>

**Estimated Production Per 24 Hours**

- Oil: 15 Bbls
- Gas: 10 MCF
- Water: 0 Bbls
- Gas-Oil Ratio: CFPB

**METHOD OF COMPLETION**

**Disposition of gas:**

- Vented
- Sold
- Used on Lease

**Production Interval:**

- Open Hole
- Perforation
- Other (Specify)

- D & V tool set at 1342'