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. 15-466.922.955
County
Rooks

Well Name: Well A-2 1/2
Lease No.: 226

Elevation: Ground 202.52

WELL HISTORICAL

Drilling Method: Air Rotary
Spud Date: 7/11/87
Date Reached TD: 7/22/87
Completion Date: 7/24/87

Total Depth: 6,250 ft

Questions on this portion of the ACO-1 call:
1. Whether Resources Board (913) 296-3711
2. Division of Water Resources Permit 

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-5-107, 82-3-107 apply.

WATER SUPPLY INFORMATION

Disposal of Produced Water: Regassfing

Disposal

INVOICE 

Signature: Harry J. Welty
Date: 7/12/87

Subscribed and sworn to before me this 9th day of October, 1987.

Notary Public
Reva F. Mingione

Date Commission Expires: 9/22/88

Kan Co. OFFICE USE ONLY

Form: ACO-1 (5-86)

KCC: 130D-4886

DUNSMORE DIVISION OK

Wichita, Kansas

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DUNSMORE DIVISION OK

Wichita, Kansas

AGENCY:
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>Drill Stem Tests Taken</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samples Sent to Geological Survey</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Cores Taken</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**DST #1:**
- LKC 3440-3485 60-30, Rec. 10' Hm/0 S GSO on tool, SIP 203#, FP 48-58#

**DST #2:**
- 15-15-30-60, Rec. 5' Mud, SIP49-48#
- FP 48-48/48-48

**Casing Record**
- New | X
- Used

**Purpose of String** | **Size Hole** | **Size Casing** | **Weight Drilled** | **Setting Type** | **Type and Percent** | **Additives**
--- | --- | --- | --- | --- | --- | ---
AXIAL | 12.1 | 8.3/8 | 24H | 227 | 60/40 | 650 | 650 + gel + 3% c.
AXIAL A | 7.7/8 | 8.3/8 | 10H | 227 | 60/40 | 250 | 650 + gel + 10% salt

**Perforation Record**
- Shots Per Foot
- Specify Footage of Each Interval Perforated
- Acid, Fracture, Shot, Cement Squeeze Record

**Tubing Record**
- Size
- Set At
- Packer at
- Liner Run | Yes | No

**Date of First Production**
- Producing Method
- Flowing | X
- Pumping | X
- Gas Lift | X
- Other (explain), abandoned

**Estimated Production**
- Per 24 Hours
- Oil | 0 Bbls
- Gas | MCF
- Water | Bbls
- Gas-Oil Ratio | CFRB

**Method of Completion**
- Production Interval
- Dually Completed | X
- Commingled

**Formation Description**
- Log | Sample
- Name | Top | Bottom
- Anhydrite | 1620-1652
- Topeka Lms | 3036-3240
- Heebner | 3240-3262
- Toronto | 3262-3279
- LKC | 3279-3480
- Arbuckle | 3525-7
**PERFORATIONS AND ACID RECORD**

<table>
<thead>
<tr>
<th>Perforations</th>
<th>Volume/Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 shots/foot 3472-74</td>
<td>2000 gallons 15% HCl</td>
</tr>
<tr>
<td>3462-64</td>
<td>Retreat w/ 500# salt plug ahead of 500 gallons of 15% HCl</td>
</tr>
<tr>
<td>3442-46</td>
<td></td>
</tr>
<tr>
<td>1 shot/foot 3443</td>
<td>1500 gallons 28% NE HCl</td>
</tr>
<tr>
<td>3463</td>
<td></td>
</tr>
<tr>
<td>3473.5</td>
<td></td>
</tr>
<tr>
<td>4 shots/foot 3360-62</td>
<td>250 gallons 15% HCl</td>
</tr>
<tr>
<td>4 shots/foot 3280-84</td>
<td>750 gallons of 15% HCl</td>
</tr>
<tr>
<td>3262-68</td>
<td></td>
</tr>
</tbody>
</table>