STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION OR RECOMPLETION FORM
AC-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5900
Name: Drilling Co., Inc.
Address: 2200 Kansas Pkwy.
City/State/Zip: KS, 66202

Purchaser: Kansas City, Kansas City, Missouri
Farmland Industries

Operator Contact Person: Reva Musgrove
Phone: 913-467-8676

Contractor License # 9087
Name: B & C Drilling Company, Inc.

Wellsite Geologist: Jim Harden
Phone: 913-634-3918

Designate Type of Completion  
\[\checkmark\] New Well  
\[\square\] Re-Entry  
\[\square\] Workover

XOI  
Gas  
inj  
Dry  
Other (Care, Water Supply etc.)
Temp Abd  
Delayed Comp.
IT OWN: old well Info as follows:
Operator  
Well Name  
Comp. Date  
Old Total Depth

WELL HISTORY

Drilling Methods:
\[\checkmark\] Mud Rotary  
\[\square\] Air Rotary  
\[\square\] Cable

Spud Date: 10-29-86  
Depth Reached: 11-5-86  
Completion Date: 11-5-86

Total Depth: 3675'  
Net Pay: 2655'

Amount of Surface Pipe Set and Cemented at: 210 feet
Multiple Stage Cementing Collar Used?  Yes  \[\checkmark\]  No

If alternate 2 completion, cement circulated from 2600' to 2550', 450' 
Cement Company Name: K & C Drilling Company
Invoice #: 419277

API NO. 15 - 163-22,896 - DO  
County: Leesville
East  
SE  SE  SE  Sec. 12  Twp 12  Rge 20  
West

330  Ft North from Southeast Corner of Section 
330  Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Lease Name: LeSage
Field Name: LeSage, East
Producing Formation: Kansas City, Kansas
Elevation: Ground 2157, 89 2162

Section Plat

MATERIAL SUPPLY INFORMATION
Disposal of Produced Water: Repurposing

Questions on this portion of the AC-1 call:
Water Resources Board (913) 296-3717
Division of Water Resources Permit #

Groundwater  
Stream, pond etc.
Surface Water  

Other (explain):

(purchased from city, R&W Co.)

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
82-3-130, 82-3-107 and 82-3-106 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 OP-4 form with
all plugged wells. Submit OP-11 forms 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 complete and correct to the best of my knowledge.

Signature: Paul E. Ruggles
Title: President
Date: 1-18-87

Subscribed and sworn to before me this 18 day of January, 1987
Reva F. Musgrove
Notary Public
Reva F. Musgrove
Date Commission Expires: 1-30-89

Form AC-1 (1-30) CONSERVATION DIVISION
Wichita, Kansas
### 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>

- **0 - 1696** Sand and shale
- **1696 - 1725** Anhydrite
- **1725 to 2365** Shale and Lime
- **2365 - 3675** Shale and Lime RTD

**DST #1 3360-3391**
- **Toronto and Lansing A**
- **15-60-65-60**
- Weak blow with steady build to 8" in bucket
- Recovery: 60' heavy oil cut mud.
- 60' muddy oil
- 30' free oil

**IPF 49-49** ISIP 1072
**FFP 68-87** FSIP 937

See attached page for balance of DST's

### CASING RECORD

- **Purpose of String**
- **Size Hole**
- **Size Casing Drilled**
- **Size Casing Set in O.D.**
- **Weight Lbs/Ft.**
- **Setting Depth**
- **Type of Cement**
- **#Sacks Used**
- **Additives**

| Surface Perfor. | 172 | 8.57A | 40 | 624 | 60/40 | 45 | Quick Set |
| Production Stg. | 7-7/8 | 5A | 44 | 36.7 | 56/40 | 375 | | |
| cement circulated to pit | | | | | | | |

### PERFORATION RECORD

- **Shots Per Foot**
- **Specify Footage of Each Interval Perfotated**
- **Acid, Fracture, Shot, Cement Squeeze Record**
- **(Amount and Kind of Material Used)**
- **Depth**

| 4 | 3568-70 | 250 gal.15% mud.1000 gal.15% SCA. |
| 4 | 3388-92 | 250 gal.15% mud.1500 gal.15% SCA. |
| 4 | 3378-73 | 250 gal.15% mud.750 gal.15% NER. |
| Communicated A.to K.zone Squeezed.100 sacks.60/40 premix.3388-92 |

### TUBING RECORD

- **Size**
- **Set At**
- **Packer at**
- **Liner Run**
- **Date of First Production**
- **Producing Method**
- **Flowing**
- **Pumping**
- **Gas Lift**
- **Other (explain)**

| Oil | Gas | Water | Gas-Oil Ratio | Gravity |
| 26 | MCF | 60 | Bbls | Bbls | CFPB |

### METHOD OF COMPLETION

- **Disposition of gas:**
  - Vented
  - Sold
  - Used on Lease
  - Open Hole
  - Perforation
  - Other (Specify)

- **Production Interval**
  - **2668-60**
  - **3270**
LeSage #2 Rooks County Kansas
SE SE SE SEC 8-7s-20w

DST #2 3435-3471 Lansing KC DE&F
15-45-30-45
Weak to strong bottom of bucket in 3½ min.
Weak to strong bottom in 8 min.
Recovery: 810' gassy muddy water with trace of oil.
IFP 97-184 ISIP 964
FFP 243-379 FSIP 935

DST #3 3557-3569 Lansing KC K zone
15-60-30-45
Weak with slight increase to 1½"
Weak blow throughout ½"
Recovery: 10' gassy oil spotted mud good show oil on top of tool.
IFP 29-40 ISIP 818
FFP 40-40 FSIP 740

DST #4 3625-3635 Arbuckle
15-60-15-60
Weak blow throughout ½"
No blow
Recovery 5' oil spotted mud good show of free oil on tool.
IFP 40-40 ISIP 263
FFP 49-49 FSIP 97