STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License #
Name: Liberty Oil Operations & Completions
Address: 1914 East Washington, Ste 100
City/State/Zip: Wichita, KS 67202
Purchaser: Farmland Industries, Inc.

Operator Contact Person: Charles G. Comeau
Phone: 913-343-6461

Contractor: License #
Name: Pioneer Drilling Company, Inc.
Phone: 913-628-6698

Wellsite Geologist:
Name: Kevin Adams
Phone: 913-628-6698

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

Oil: [X]
Gas: [X]

Dry: [X]
Other (Core, Water Supply etc.): N/A

If OMWO: old well info as follows:
Operator: Liberty Oil Operations & Completions
Well Name: N/A
Comp. Date: N/A
Old Total Depth: N/A

WELL HISTORY

Drilling Method:
- [ ] Mud Rotary
- [ ] Air Rotary
- [ ] Cable

3-26-85
4-03-85
4-23-85
Spud Date: 4-03-85
Date Reached TD: 4-23-85
Completion Date: N/A

Total Depth: 3750'
8 5/8" 0 268'

Amount of Surface Pipe Set and Cemented at:
Multiple Stage Cementing Collar Used: [X] Yes [ ] No
If yes, show depth set: 1750'
If alternate completion, cement circulated from:
feet depth to: [X] SX cm

STATE CORPORATION COMMISSION
Wichita, Kansas

API NO. 15-162-22-2640

Area

County: East
S/2 SW SW
Sec. 16
Twp. 66
Rge. 20

East
West

330... Ft North from Southeast Corner of Section
4620... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

Lease Name: Cadmus
Well #: 3

Field Name: Todd, NE

Producing Formation: Arbuckle

Elevation: Ground: 1226.86
KB: 1221.1

Section Plat

5280
4950
4620
4290
3960
3630
3300
2970
2640
2310
1980
1650
1320
990
660
330

WATER SUPPLY INFORMATION

Disposition of Produced Water:
[ ] Disposal
[ ] Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717
Division of Water Resources Permit # 85-317

[ ] Groundwater
[ ] Surface Water

[ ] Ft North from Southeast Corner (Well)
[ ] Ft West from Southeast Corner of
Sec Twp Rge
East [X] West

[ ] Other (explain)

(purchased from city, R.W.D. #)

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 logs shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-11 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 complete and correct to the best of my knowledge.

Signature: Charles G. Comeau
Title: Petroleum Geologist
Date: 4-33-85

Subscribed and sworn to before me this 23rd day of April

1985

Jolene Garvernt
Notary Public

Date Commission Expires: 3-9-88

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
Wireline Log Received
Drillers Time Log Received

Distribution

[ ] KOC
[ ] SWD/Rep
[ ] NGPA

[ ] KGS
[ ] Plug
[ ] Other (Specify)

Form ACO-1 (7-84)
**CONFIDENTIAL**

**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.


#### Log Tops
- **Anhydrite** 1833 (+398)
- **Topeka** 3244 (-1013)
- **Hickman** 3440 (-1209)
- **Lansing/KC** 3473 (-1242)
- **Base/KC** 3672 (-1441)
- **Arbuckle** 3708 (-1477)

### Casing Record
- **New**
- **Used**

### Purpose of String
<table>
<thead>
<tr>
<th>Size Hole</th>
<th>Size Casing Set (in G.D.)</th>
<th>Weight Lbs/Ft.</th>
<th>Setting Depth</th>
<th>Type Cement</th>
<th># Sacks Used</th>
<th>Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL</td>
<td>62.1/4’ X 5 7/8’</td>
<td>201</td>
<td>260’</td>
<td>60-40 pces</td>
<td>210</td>
<td>3 Marc 24 gal.</td>
</tr>
<tr>
<td>FORTHWORTH</td>
<td>62.1/4’ X 6 5/8’</td>
<td>342</td>
<td>232</td>
<td>60-40 pces</td>
<td>150</td>
<td>8% Salt 20 gal.</td>
</tr>
<tr>
<td>2nd</td>
<td>62.1/4’ X 7 7/8’</td>
<td>342</td>
<td>232</td>
<td>50-80 pces</td>
<td>400</td>
<td>6 gal.</td>
</tr>
</tbody>
</table>

### Perforation Record
- shots per foot
- specify footage of each interval perforated
- acid, fracture, shot, cement, squeeze record

### Tubing Record
<table>
<thead>
<tr>
<th>Size</th>
<th>Set At 2 3/8”</th>
<th>Packer at 3718’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liner Run</td>
<td>Yes</td>
<td>1500 gal. APG 200.</td>
</tr>
</tbody>
</table>

### Date of First Production
- 4-23-85

### Producing Method
- Flowing & Pumping
- Gas Lift
- Other (explain)

### Estimated Production
- Oil: 35 Bbls
- Gas: 10 MCF

### Method of Completion
- Production Interval
- Disposition of gas: Yes
- Open Hole
- Perforation
- Other (Specify)

### Production Interval
- 3711-3718’