KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator:  License # 4767  
Name:  Ritchie Exploration, Inc.  
Address:  8100 E. 22nd St. N., Bldg. 700  
City/State/Zip:  Wichita, KS 67226  
Purchaser:  N/A  
Operator Contact Person:  Rocky Milford  
Phone:  (316) 691-9500  
Contractor:  Name: L.D. Drilling, Inc.  
License:  6039  
Wellsite Geologist:  Kim Shoemaker

Designate Type of Completion:  
✓ New Well  Re-Entry  Workover  
Oil  SWD  SIOW  Temp. Abd.  
Gas  ENHR  SIGW  
✓ Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry:  Old Well Info as follows:
Operator:  
Well Name:  
Original Comp. Date:  
Original Total Depth:  
Deepening  Re-perf.  Conv. to Enhr./SWD  
Plug Back  Plug Back Total Depth  
Commigled  Docket No.  
Dual Completion  Docket No.  
Other (SWD or Enhr.?)  Docket No.

4/23/02  5/1/02  5/2/02  
Spud Date or Recompletion Date  Date Reached TD  Completion Date or Recompletion Date

API No. 15 - 193-20685-0000  
County:  Thomas  
60° N 62° S  
Sec. 31  Twp. 6  S  R. 35  East[ ]  West[ ]  
1650 feet from S (circle one) Line of Section  
1260 feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE  SE  NW  SW  
Lease Name:  Miller 31B  Well #: 1  
Wildcat  
Producing Formation:  N/A  
Elevation:  Ground: 3305'  Kelly Bushing: 3310'

Total Depth: 4725'  Plug Back Total Depth: 
Multiple Stage Cementing Collar Used?  Yes  No
If yes, show depth set  Feet
If Alternate II completion, cement circulated from  
feet depth to  ex cmt.  
Drilling Fluid Management Plan  
Chloride content  3000 ppm  Fluid volume  1000 bbls  
Dewatering method used  
Location of fluid disposal if hauled offsite:
Operator Name:  
Lease Name:  
License No.  
Quarter  Sec.  Twp.  S. R.  East  West  
County:  
Docket No.  

INSTRUCTIONS:  An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 complete and correct to the best of my knowledge.

Signature:  
Title:  
Date:  
Subscribed and sworn to before me this  day of  
Notary Public:  
Date Commission Expires:  

KCC Office Use ONLY
✓ Letter of Confidentiality Attached  
If Denied, Yes  ☐ Date:  
☐ Wireline Log Received  
☐ Geologist Report Received  
☐ UIC Distribution

DEBRA K. PHILLIPS  
Notary Public, State of Kansas  
**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval texted, 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

**Drill Stem Tests Taken**
- [ ] Yes
- [ ] No

**Samples Sent to Geological Survey**
- [ ] Yes
- [ ] No

**Cores Taken**
- [ ] Yes
- [ ] No

**Electric Log Run**
- [ ] Yes
- [ ] No

**List All E. Logs Run:**
- Radiation Guard Log

**CASING RECORD**

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (in O.D.)</th>
<th>Weight Lbs. / Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Casing</td>
<td>12-1/4&quot;</td>
<td>8-5/8&quot;</td>
<td>23#</td>
<td>324'</td>
<td>60/40 Poz</td>
<td>190</td>
<td>2% gel, 3% CC</td>
</tr>
</tbody>
</table>

**ADDITIONAL CEMENTING / SQUEEZE RECORD**

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth Top Bottom</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ Perforate __</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>__ Protect Casing __</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>__ Plug Back TD __</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>__ Plug Off Zone __</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**PERFORATION RECORD**

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>PERFORATION RECORD - Bridge Plugs</th>
<th>Set/Type Specify Footage of Each Interval Perforated</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></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>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Date of First, Resumed Production, SWD or Enhr.</th>
<th>Producing Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Produce</td>
<td>Flowing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Estimated Production Per 24 Hours</th>
<th>Oil</th>
<th>Bbls.</th>
<th>Gas</th>
<th>Mcf</th>
<th>Water</th>
<th>Bbls.</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Disposition of Gas</th>
<th>METHOD OF COMPLETION</th>
<th>Production Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vented Sold</td>
<td>Open Hole Perf.</td>
<td>Dually Comp.</td>
</tr>
<tr>
<td>(If vented, Summit ACO-18)</td>
<td></td>
<td>Commingled</td>
</tr>
<tr>
<td>Other (Specify)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
May 31, 2002

KCC
MAY 3 1 2002
CONFIDENTIAL

State Corporation Commission
Conservation Division
130 S. Market, Room 2078
Wichita, KS 67202

RE: #1 Miller 31B
1650' FNL & 1260' FWL
Sec. 31-6S-35W
Thomas County, Kansas

To Whom It May Concern:

Enclosed please find an ACO-1 for the above referenced well. Ritchie Exploration, Inc. would like for this to be held confidential for one year.

If you have any questions, please feel free to call the undersigned or Rocky Milford at 316-691-9500. Thank you for all of your help in this matter.

Sincerely,

Debbie Phillips
Accounting Supervisor

dkp

Enclosure
#1 Miller 31B  
60’ W C N/2 S/2 NW/4  
Section 31-6S-35W  
Thomas County, Kansas  
API# 15-193-20685  
L.D. Drilling, Inc.  
Field: Kim Shoemaker  
Office: Rocky Milford  
Graded Elevation: 3305’ GL; 3310’ KB (ground level raised 1’ while making location)

Electric Log Tops

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrite</td>
<td>2905’</td>
<td>+405</td>
<td>-1</td>
</tr>
<tr>
<td>B/Anhydrite</td>
<td>2940’</td>
<td>+370</td>
<td>-2</td>
</tr>
<tr>
<td>Wabaunsee</td>
<td>3812’</td>
<td>+502</td>
<td>-15</td>
</tr>
<tr>
<td>Heebner</td>
<td>4116’</td>
<td>-806</td>
<td>-11</td>
</tr>
<tr>
<td>Lansing</td>
<td>4162’</td>
<td>-852</td>
<td>-11</td>
</tr>
<tr>
<td>Stark</td>
<td>4359’</td>
<td>-1049</td>
<td>-9</td>
</tr>
<tr>
<td>B/KC</td>
<td>4416’</td>
<td>-1106</td>
<td>-9</td>
</tr>
<tr>
<td>Marmaton</td>
<td>4431’</td>
<td>-1121</td>
<td>-9</td>
</tr>
<tr>
<td>Pawnee</td>
<td>4537’</td>
<td>-1227</td>
<td>-13</td>
</tr>
<tr>
<td>Fort Scott</td>
<td>4601’</td>
<td>-1291</td>
<td>-7</td>
</tr>
<tr>
<td>Cherokee</td>
<td>4629’</td>
<td>-1319</td>
<td>-6</td>
</tr>
<tr>
<td>LTD</td>
<td>4724’</td>
<td>-1414</td>
<td></td>
</tr>
<tr>
<td>RTD</td>
<td>4725’</td>
<td>-1415</td>
<td></td>
</tr>
</tbody>
</table>

4/27/02: DST #1 3818’ to 3846’ (Wabaunsee)  
Recovered 5’ of Mud with some free oil specks in tool.

IFP: 5-9#/30” ISIP: 655#/30”
FFP: 6-8#/30” FSIP: 659#/30”

4/29/02: DST #2 4279’ to 4389’ (L/KC “H-K” zones)
Recovered 149’ of muddy water (46% mud, 54% water); 124’ of muddy water (35% mud, 65% water). 273’ of total fluid with a few oil specks and some free oil in tool (25% mud, 75% water).

IFP: 11-74#/45” ISIP: 1280#/45”
FFP: 76-133#/45” FSIP: 1254#/45”
CONFIDENTIAL

DST #3 4467' to 4511' (Altamont “B” and “C” zones)
Recovered 3’ of mud with good free oil in tool and good gassy odor.

IFP:  9-12#/30”    ISIP:  255#/30”
FFP:  19-20#/30”    FSIP:  228#/30”

4/30/02:  DST #4 4518’ to 4558’ (Pawnee)
Recovered 2’ of mud with a few oil specks in tool.

IFP:  7-7#/30”    ISIP:  36#/30”
FFP:  9-8#/30”    FSIP:  32#/30”

KCC WICHITA
**ALLIED CEMENTING CO., INC.** 09247

Date: 4-23-02

**CONTRACTOR**
L-D Dug Co.

**OWNER**

**TYPE OF JOB**
Surface

**CEMENT**

- **AMOUNT ORDERED**: 190 sacks 50� per
- **COMMON**: 114 sacks @ 7.85
- **POZMIX**: 96 sacks @ 3.55
- **GEL**: 3 sacks @ 10.00
- **CHLORIDE**: 6 sacks @ 1.75

**RECEIVED**: TOTAL 1,951.50

**SERVICE**

- **DEPT OF JOB**
- **PUMP TRUCK CHARGE**: 520.00
- **EXTRA FOOTAGE**: @
- **MILEAGE 46 miles**: 3.00
- **PLUG 8 3/4 Surface**: 4.00

**TOTAL**: 200.00

**EQUIPMENT**

- **KCC**

**REMKS**

- Cement Dial Circ

**CHARGE TO**: Ritchie Exploration, Inc

**SIGNATURE**: Bill Owen

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.
**ALLIED CEMENTING CO., INC.**

**REMIT TO:** P.O. BOX 31
**RUSSELL, KANSAS 67665**

<table>
<thead>
<tr>
<th>DATE</th>
<th>SEC.</th>
<th>TWP.</th>
<th>RANGE</th>
<th>CALLED OUT</th>
<th>ON LOCATION</th>
<th>JOB START</th>
<th>JOB FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-02-<strong>77</strong></td>
<td>31</td>
<td>65</td>
<td>35w</td>
<td>Location</td>
<td>Levant W44-AS &amp; S1 Thomas KS</td>
<td>3:15 PM</td>
<td>3:15 PM</td>
</tr>
</tbody>
</table>

OLD OR NEW (Circle one)

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>TYPE OF JOB</th>
<th>HOLE SIZE</th>
<th>T.D.</th>
<th>CASING SIZE</th>
<th>DEPTH</th>
<th>TUBING SIZE</th>
<th>DEPTH</th>
<th>DRILL PIPE</th>
<th>DEPTH</th>
<th>TOOL</th>
<th>DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>L D Dalg</td>
<td>Pumps</td>
<td>7 1/4</td>
<td>T.D.</td>
<td>4725'</td>
<td></td>
<td></td>
<td></td>
<td>2300'</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>pres. max</th>
<th>MINIMUM</th>
<th>MEAS. LINE</th>
<th>SHOE JOINT</th>
<th>CEMENT LEFT IN CSG.</th>
<th>PERFS.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**EQUIPMENT**

<table>
<thead>
<tr>
<th>PUMP TRUCK</th>
<th>CEMENTER</th>
<th>HELPER</th>
<th>BULK TRUCK</th>
<th>DRIVER</th>
</tr>
</thead>
<tbody>
<tr>
<td># 300</td>
<td>Wayne</td>
<td>Confidential</td>
<td># 315</td>
<td>Dean</td>
</tr>
</tbody>
</table>

**KCC**

MAY 31 2002

<table>
<thead>
<tr>
<th>COMMON</th>
<th>POZMIX</th>
<th>GEL</th>
<th>CHLORIDE</th>
<th>FLO SET</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>114 sks</td>
<td>176 sks</td>
<td>10 sks</td>
<td>47 #</td>
<td>1.40</td>
<td>844.20</td>
</tr>
</tbody>
</table>

**REMARKS:**

1st Plug 2930' w/10 sks
2d Plug 2000' w/700 sks
3rd Plug 375' w/10 sks
40' w/10 sks
1.5 sks in Rat Hole.

**SERVICE**

<table>
<thead>
<tr>
<th>DEPTH OF JOB</th>
<th>PUMP TRUCK CHARGE</th>
<th>EXTRA FOOTAGE</th>
<th>MILEAGE</th>
<th>PLUG</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2930</td>
<td>630.00</td>
<td></td>
<td></td>
<td></td>
<td>9.00</td>
</tr>
</tbody>
</table>

**RECEIVED**

JUN 03 2002

**FLOAT EQUIPMENT**

- [ ]
- [ ]
- [ ]
- [ ]

**TOTAL**

788.00

**TAX**

**TOTAL CHARGE**

**DISCOUNT**

IF PAID IN 30 DAYS

**PRINTED NAME**

Michael Pedigo

**SIGNATURE**

Michael Pedigo
May 31, 2002

Kansas Corporation Commission
130 S. Market, Suite 2078
Wichita, Kansas 67202

RE: Miller 31B #1
API #15-193-20685
1650’ FNL & 1260’ FWL Section 31-6S-35W
Thomas County, Kansas

Dear Sir or Madam:

Ritchie Exploration, Inc. requests the ACO-1 form on the above captioned well be held confidential for an additional one (1) year period to June 1, 2004.

Thank you for the time taken with this matter.

Sincerely,

RITCHIE EXPLORATION, INC.

Debbie Phillips
Accounting Supervisor