API No. 15-15065-25,735 22 7/8-8-00-00
County: Graham

S/2 NE, NW Sec. 31 Twp. 7 Rge. 21 W
990 Feet from SW (circle one) Line of Section
1980 Feet from SW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name: Van Loenen-31B Well # 2

Fluid Name: 

Producing Formation: N/A

Elevation: Ground 2164 K8 2169

Total Depth: 3720 PTD

Amount of Surface Pipe Set and Cemented at: 213 Feet

Multiple Stage Cementing Collar Used?: Yes No

If yes, show depth set: 

If Alternate II completion, cement circulated from: 

feet depth to: w/ mill. type: 6x cm. 

Drilling Fluid Management Plan: ACT II DWP A
(Data must be collected from the Reserve Pit) 7-15-94

Chloride Content: 2,000 ppm Fluid Volume: 800 bbls

Dewatering Method Used: evaporation

Location of produced fluids: evaporator

Location of produced fluids if hauled offsite:

AUG 10 1995

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on side two of this form shall 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: [Signature]
Title: President
Date: 8/2/95

Subscribed and sworn to before me this 8th day of Aug 1995

Notary Public

Date Commission Expires

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8/2/95

Form ACO-1 (7-91)
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.

Drill Stem Tests Taken (Attach Additional Sheets.)
- Yes □ No □

Samples Sent to Geological Survey
- Yes □ No □

Cores Taken
- Yes □ No □

Electric Log Run (Submit Copy.)
- Yes □ No □

List All ELogs Run:

See attached sheet

Casing Record
- New □ Used □

Report all strings set-conductor, surface, intermediate, production, etc.

<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</td>
<td>12 1/2</td>
<td>8 5/8</td>
<td>24#</td>
<td>213</td>
<td>60/40poz</td>
<td>140</td>
<td>28 gel 3%</td>
</tr>
</tbody>
</table>

Additional cementing/squeeze record

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth</th>
<th>Top Surf</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>
<td></td>
</tr>
<tr>
<td>Protect Casing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Back To</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Off Zone</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Perforation Record - Bridge Plugs Set/Type

Specify footage of each interval perforated.

Acid, Fracture, Shot, Cement Squeeze Record

(Amount and kind of material used) Depth

Tubing Record

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer At</th>
<th>Liner Run</th>
<th>Yes □ No □</th>
</tr>
</thead>
</table>

Date of First, Resumed Production, SWD or Inj.

Producing Method: □ Flowing □ Pumping □ Gas Lift □ Other (Explain)

Estimated Production Per 24 Hours

<table>
<thead>
<tr>
<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>

Disposition of Gas:
- Vented □ Sold □ Used on Lease (If vented, subbit ACO-18.)
- Other (Specify) □

Method of Completion
- Open Hole □ Perf. □ Dually Comp. □ Commingled □
- Other (Specify) □

Production Interval
RITCHIE EXPLORATION, INC.
125 N. Market - Suite 1000
Wichita, Kansas 67202-1775
316-267-4375  FAX 316-267-3026

#2 Van Loenen-31B
S/2 NE NW
Section 31-7S-21W
Graham County, Kansas
API# 15-065-25, 758 -00-00
Elevation: 2164’ G.L. 2169’ K.B.

SAMPLE TOPS
Anhydrite 1762' (+ 407)
B/Anhy 1794' (+ 375)
Topeka 3139' (-970)
Heebner 3350' (-1181)
Toronto 3371' (-1202)
Lansing 3384' (-1215)
B/KC 3582' (-1413)
Arbuckle 3684' (-1515)
RTD 3720' (-1551)

DST #1 from 3344' to 3379' (Toronto). Recovered 10' mud with oil spots.
  IFP: 44-44#/30"; ISIP: 918#/30";
  FFP: 52-52#/30"; FSIP: 1062#/75".
  (Note: rig down for repairs 45" during FSIP).

DST #2 from 3406' to 3428' (35' zone). Recovered 180' watery mud and 420' water.
  IFP: 22-149#/30"; ISIP: 812#/30";
  FFP: 210-278#/30"; FSIP: 798#/30".

DST #3 from 3490' to 3570' (140' through 200' zones). Recovered 105' slightly water cut mud with oil spots in tool.
  IFP: 67-74#/45"; ISIP: 1009#/45";
  FFP: 82-89#/45"; FSIP: 880#/45".

DST #4 from 3687' to 3697' (Arbuckle). Recovered 1' free oil and 10' heavy oil cut watery mud (40% oil, 20% water, 40% mud).
  IFP: 22-22#/30"; ISIP: 484#/30";
  FFP: 22-22#/30"; FSIP: 324#/30".

RELEASED
MAR 23 1998
MAR, 23, 1998
FROM CONFIDENTIAL
**ALLIED CEMENTING CO., INC.**

**Home Office P. O. Box 31**

**Russell, Kansas 67665**

**7454**

---

**New**

**Date**: 6-22-95  **Sec.**: 31  **Fwp.**: 7  **Range**: 21W

**Called Out**: 3:30AM  **On Location**: 5:15AM  **Job Start**: 9:00AM  **Finish**

**Lease**: Birkerson 316  **Well No.**: 2

**Contractor**: Mike Zillig Oil

**Type Job**: Plug

**Hole Size**: 73  **T.D.**: 3720

**Cement Left in Csg.**

**Press Max.**:  **Displace.**

---

**EQUIPMENT**

<table>
<thead>
<tr>
<th>No.</th>
<th>Pumptrk</th>
<th>Cemeter</th>
<th>153</th>
<th>Dave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumptrk</td>
<td>Cementer</td>
<td>Helper</td>
<td>153</td>
<td>Mark</td>
</tr>
<tr>
<td>Pumptrk</td>
<td>Helper</td>
<td>Driver</td>
<td>213</td>
<td>Jason</td>
</tr>
</tbody>
</table>

**DEPTH of Job**

**Reference**: Pumptrk city 550.00

Plug 25 ft 6 580 12 9.25 21.00 Sub Total 200.25

**Total**

**Remarks**: 25 ft @ 3600 25 @ 1780 100 @ .990 40 @ 260 10 @ 40 wk plug 15 ft hole

---

**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 listed.

**Charge To**: Ritchie Exploration Inc.

**Street**: 125 N Market, P.O. Box 1000

**City**: Wichita  **State**: Kan  67202

The above was done to satisfaction and supervision of owner agent or contractor.

**Purchase Order No.**:  

[X] Donald T. Deardorff

**CEMENT**

**Amount Ordered**: 915 @ 60% gall

**Consisting of**:  

- Common 129 @ 4.10  526.90
- Poz. Mix 84 @ 3.15  270.90
- Gel. 11 @ 9.50  104.50
- Chloride
- Quickset

**Sales Tax**:  

- Handling 105 @ 10%  22.50
- Mileage 55 @ 10% .04  473.00

**Sub Total**: 1861.95

**Flowing Equipment**

**Total**

**RELEASED**

**MAR 23, 1998**

**FROM CONFIDENTIAL**
**ALLIED CEMENTING CO., INC.**

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

**DATE: 6-15-95**
**SEC: 31**
**TWP: 8**
**RANGE: 21W**
**LEASE: VAN LOREN**
**LOCATION: Ruge**
**JOB START: 7:45 AM**
**JOB FINISH: 2:15 PM**
**COUNTY: Graham**
**STATE: Kansas**

**CONTRACTOR: WHITE & ELLIS DRILLING**

**TYPE OF JOB: Surface**

**HOLE SIZE: 12 3/4**

**CASING SIZE: 8 5/8**

**TUBING SIZE:**

**DRILL PIPE**

**MEAS. LINE SHOE JOINT**

**CREMEN LEFT IN CSG: 15'**

**PERFS.: 12 3/4**

**AMOUNT ORDERED:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cement</td>
<td>1500</td>
<td>$6.40</td>
<td>$960</td>
</tr>
</tbody>
</table>

**Cement Released:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common</td>
<td>90</td>
<td>$6.10</td>
<td>$549</td>
</tr>
<tr>
<td>Pozmix</td>
<td>60</td>
<td>$3.15</td>
<td>$189</td>
</tr>
<tr>
<td>Gel</td>
<td>37</td>
<td>$2.50</td>
<td>$92.50</td>
</tr>
<tr>
<td>Chloride</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mar 23 1995**

**HANDLING:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Units</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL:** $1423.00

**SERVICE:**

**DEPT OF JOB:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Depth</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fax Truck Charge:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXTRA FOOTAGE:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MILEAGE:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PLUG: 18# Wooden:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL:** $419.25

**TO RITCHIE EXPLORATION INC.**

**STREET: 125 N Market, #1000**

**CITY: Wichita**

**STATE: Kan**

**ZIP: 67202**

**CHARGE TO: RITCHIE EXPLORATION INC.**

**CHARGE TO:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TAX:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CHARGE:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DISCOUNT:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**IF PAID IN 30 DAYS**

**SIGNATURE:**

**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.