Operator: Ritchie Exploration, Inc.
Address: PO Box 783188
City/State/Zip: Wichita, KS 67278
Purchaser: NCRA
Operator Contact Person: Karen Hopper
Phone: (316) 691-9500
Contractor: Name: 
License: 
Wellsite Geologist: 
Designate Type of Completion: 
- 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: Ritchie Exploration, Inc.
Well Name: Voss
Original Comp Date: 10/9/85
Original Total Depth: 3880'
- Deepening 
- Re-perf. 
- Conv. to Enhr/SWD 
- Plug Back 
- Plug Back Total Depth
- Commingled 
- Dual Completion 
- Other (SWD or Enhr.)
Docket No.

10/29/02
Spud Date or Recompletion Date: 11/1/02
Completion Date or Recompletion Date:

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: Production Mgr. Date 2/10/03
Subscribed and sworn to before me this 10th day of February 2003.
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
### Drill Stem Tests Taken
(Attach Additional Sheets)
- Yes
- No

### Samples Sent to Geological Survey
- Yes
- No

### Cores Taken
- Yes
- No

### Electric Log Run
- Yes
- No

### List All E. Logs Run:
- RA Guard Log

---

<table>
<thead>
<tr>
<th>Formation (Top), Depth and Datum</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td></td>
</tr>
<tr>
<td>Top</td>
<td>Datum</td>
</tr>
<tr>
<td>Anhydrite</td>
<td>1848</td>
</tr>
<tr>
<td>Topeka</td>
<td>3161</td>
</tr>
<tr>
<td>Toronto</td>
<td>3420</td>
</tr>
<tr>
<td>Lansing</td>
<td>3437</td>
</tr>
<tr>
<td>B/KC</td>
<td>3625</td>
</tr>
<tr>
<td>-358</td>
<td>-955</td>
</tr>
<tr>
<td>-1214</td>
<td></td>
</tr>
<tr>
<td>-1231</td>
<td></td>
</tr>
<tr>
<td>-1419</td>
<td></td>
</tr>
</tbody>
</table>

---

### CASING RECORD
- **New**
- **Used**

<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 1/4&quot;</td>
<td>8 5/8&quot;</td>
<td>23#</td>
<td>260'</td>
<td>quickset</td>
<td>175</td>
<td>2% gel, 3% cc</td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8&quot;</td>
<td>5 1/2&quot;</td>
<td>14#</td>
<td>3678'</td>
<td>pozmix</td>
<td>150</td>
<td>10% gel, 1% gilsonite, 20% preflush</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>Plug Off Zone</td>
<td>DRILLED OUT CIRF @ 3393', CLEANED OUT TO PTD @ 3652'</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### PERFORATION RECORD - Bridge Plugs Set/Type

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Depth At</th>
<th>Type of Material Used</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>3590, 3581.5</td>
<td>1200 gal 28% @ 5 BPM @ 1950#</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3559-3562</td>
<td>600 gal 28% @ 6 BPM @ 200#</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3496.5-3499, 3483-3487</td>
<td>800 gal 28% @ 4 BPM @ 300#</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3438-3441</td>
<td>1350 gal 28% &amp; plug agent @ 5 BPM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Acidized 3496.5-3499, 3483-3487 also)</td>
<td>@ 1500#</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3590-3594, 3581-3585</td>
<td>750 gal 15% NE @ 2 BPM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3420.7-3423.7</td>
<td>450 gal 15% NE @ 1 BPM @ 100B</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TUBING RECORD

<table>
<thead>
<tr>
<th>Tubing Size</th>
<th>Set At 3642'</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 7/8&quot;</td>
<td></td>
</tr>
</tbody>
</table>

### Data of First, Resumed Production, SWD or Enhr.
- **11/1/02**

### Producing Method
- Flowing
- Pumping
- Gas Lift
- Other (Explain)

### Estimated Production Per 24 Hours

<table>
<thead>
<tr>
<th>Oil Bbls.</th>
<th>Gas Mcf</th>
<th>Water Bbls.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td></td>
<td>11.5</td>
</tr>
</tbody>
</table>

### Disposition of Gas

- Vented
- Sold
- Used on Lease
- Open Hole
- Perf.
- Dually Comp.
- Commingled

---

### Production Interval

**METHOD OF COMPLETION**
# DRILLING REPORT

**Elevation:** 2201' G.L.  2206' K.B.

<table>
<thead>
<tr>
<th>SAMPLE TOPS</th>
<th>Ref. Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrite</td>
<td>1852'(+ 354) -5</td>
</tr>
<tr>
<td>B/Anhydrite</td>
<td>1884'(+ 322) -5</td>
</tr>
<tr>
<td>Topeka</td>
<td>3162'(- 956) -3</td>
</tr>
<tr>
<td>Heebner</td>
<td>3395'(-1189) flat</td>
</tr>
<tr>
<td>Toronto</td>
<td>3421'(-1215) flat</td>
</tr>
<tr>
<td>Lansing</td>
<td>3440'(-1234) -2</td>
</tr>
<tr>
<td>B/KC</td>
<td>3628'(-1422) -5</td>
</tr>
<tr>
<td>Gr. Wash.</td>
<td>3678'(-1472) +5</td>
</tr>
<tr>
<td>RTD</td>
<td>3880'(-1674)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELECTRIC LOG TOPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anhydrite</td>
</tr>
<tr>
<td>B/Anhydrite</td>
</tr>
<tr>
<td>Topeka</td>
</tr>
<tr>
<td>Heebner</td>
</tr>
<tr>
<td>Toronto</td>
</tr>
<tr>
<td>Lansing</td>
</tr>
<tr>
<td>B/KC</td>
</tr>
<tr>
<td>Gr. Wash.</td>
</tr>
<tr>
<td>LTD</td>
</tr>
</tbody>
</table>
## Allied Cementing Co., Inc.

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

**Russell, Kansas 67665**

<table>
<thead>
<tr>
<th>Date</th>
<th>Called Out</th>
<th>On Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/11/85</td>
<td>4:45 P.M.</td>
<td>7:10 P.M.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lease/Well No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/25</td>
<td>18 1/2 T/JET 1111/12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contractor</th>
<th>Type Job</th>
<th>Rig No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Drilling Co.</td>
<td>Set Surface Pipe</td>
<td>1011</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hole Size</th>
<th>T.D.</th>
<th>Cag. Size</th>
<th>Depth</th>
<th>Tbg. Size</th>
<th>Depth</th>
<th>Drill Pipe</th>
<th>Depth</th>
<th>Tool</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 1/4&quot;</td>
<td>261'</td>
<td>8 5/8&quot;</td>
<td>260'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cement Left in Cag.</th>
<th>Press Max.</th>
<th>Meas Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>15'</td>
<td>Minimum</td>
<td>Displace</td>
</tr>
</tbody>
</table>

| Perf. | No | No | | | | | | |
|-------|----|----|| | | | | |
| Pumprk | 191 | 191 | | | | | | |
| Helper | Gary H. | Dave P. | | | | | | |
| Pumprk | | | | | | | | |
| No | 191 | 191 | | | | | | |
| No | Cementer | Helper | | | | | | |
| Bulktrk | #100 | #100 | | | | | | |
| Bulktrk | Driver | Driver | | | | | | |

### Equipment

- **No.**
  - Pumprk: 191
  - No: 191
  - Helper: Gary H., Dave P.
  - Driver: Jim S.
  - Bulktrk: #100

### Depth of Job

- Reference:
  - #1 Pumprk-Surface: 360.00
  - #8 1-87/8: 40.00
  - #14 Mileage: 39.00

**Sub Total:** 439.00

### Remarks:

- Cement Circulated.

### Charge

- **To:** A. Scott Ritchie
- **Address:** 125 N. Market, Suite 950
  - City: Wichita
  - State: KS

**City:** Wichita

**State:** KS

**Phone:** 316-726-4618

**Fax:** 316-726-4619

**Email:** kcccementing@kcccementing.com

---

**Total:** 139.289

---

**Handling:**
- _90 cufs_ (184 cufs) 165.40

**Mileage:**
- 664 + 110 + mi (39 mi) 223.29

**Sub Total:** 139.289

---

**Floating Equipment:**

- **Thanks**
**ALLIED CEMENTING CO., INC.**

**Home Office 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>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-28-85</td>
<td>7</td>
<td>6S</td>
<td>21W</td>
<td>6:00 AM</td>
<td>8:20 AM</td>
<td>1:00 PM</td>
<td>2:00 PM</td>
</tr>
</tbody>
</table>

**Lease:** Voss  
**Well No.:** 2  
**Location:** 18S 24T 11N 11W

**County:** Graham  
**State:** KS

**Contractor:** Leon's Drilling Service  
**Type Job:** Port Collar

**Hole Size:** 7/8"  
**T.D.:** 3680'

**Cag. Size:** 5 1/2"  
**Depth:** 3630'

**Tbg. Size:** 2 1/2"  
**Depth:** 2600'

**Surface Pipe:**  
**Depth:** 1850'

**Tool:** Port Collar  
**Depth:** 1850'

**Cement Left in Cag.:**  
**Shoe Joint:**

**Press Max.:** 1500#  
**Minimum:**

**Meas Line:** Displace X

---

**EQUIPMENT**

<table>
<thead>
<tr>
<th>Pumpnrk</th>
<th>No</th>
<th>Cementer</th>
<th>Helper</th>
</tr>
</thead>
<tbody>
<tr>
<td>191</td>
<td></td>
<td>Gary H.</td>
<td>Dave P.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumpnrk</th>
<th>No</th>
<th>Cementer</th>
<th>Helper</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bulktrk</th>
<th>#150</th>
<th>Driver</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>L. H.</td>
</tr>
</tbody>
</table>

**DEPT of Job**

**Reference:**
- #5 Pumptruck-port coll. $450.00
- #14 mile @ $1.00/mile $39.00

**Sub Total:** $489.00

**Tax:**

**Total:**

**Remarks:**
- Tested csg. to 1500 ft.
- Opened port collar, mixed cement, closed port collar, tested to 1520 ft. Cleared csg.
- csg. Cement Circulated

---

**Owner**

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.

**Charter To RELEASED:** Ritchie

**Street:** E. Market, Suite 950

**City:** Fort Worth  
**State:** TX  
**ZIP:** 61202

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

**Purchase Order No.:**

x Otem 790

---

**CEMENT**

**Amount Ordered:** 340 sks at $5.00/sk.  
**Total:** $1700.00

**Consisting of:**
- Common 170 sks at $5.00/sk. $850.00
- Poz. Mix 170 sks at $2.50/sk. $425.00
- Gel. 20 sks at $1.50/sk. $30.00

**Chloride:**

**Quickset:**

**Sales Tax:**

**Handling:** $90.00 (360 sks) $324.00

**Mileage:** $16.00 (360 sks) $395.00

**Total:** $2071.00

---

**Floating Equipment:** Thanks

---

**KCC**

**FEB 10 2003**

**CONFIDENTIAL**
CONVERTED
ALLIED CEMENTING CO., INC. No. 40459
Home Office P. O. Box 31
Russell, Kansas 67665

Date 9-18-85
Lease
Sec. 7
Twp. 6
Range 21
Called Out 7:30AM
On Location 11:15AM
Job Start 12:45PM
Finish 4:30PM

Contractor	Munson Drilling #16
Type Job Production String
Hole Size 7 1/8
T.D. 3470
Casing Size 5 1/2
Depth 3470
Thrg. Size
Depth
Drill Pipe
Depth
Tool Post Collar
Depth 1849
Cement Left in Casing
14.00
Shoe Joint 14.00
Press Max.
Minimum
Mess Line
Displace

Owner
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 D. Scott Ritchie

PAID
125 W. Market - Suite 950
City	Wichita
State	KS
Zip	67202

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

Purchase Order No.	X Hank Dowley

CEMENT

Amount Ordered 160 7/8 400 lb. 45 sack
Consisting of 10 884 salt flush
Common 95.5x
5.00 475.00
Poz. Mix 65 x
2.10 136.50
Gel.
Chloride
Sodium 25%
4.75 123.50
Silicates 75%
.29 21.75

Sales Tax
Handling 186.3x
.90 167.40
Mileage 39 miles
.66 185.84

Sub Total
119.99

Floating Equipment

Remarks:

10 7/8 4 400 lb. hole
KCC WICHITA
FEB 10 2003

CONFIDENTIAL

1-5/8 Guide Shear 106.20
1-5/8 ACF Insert 142.00
4 5/8 Centralizers 190.00
1-5/8 Post Collar 1350.00
2 1/2 Baskets 242.00

Thanks 2050.20