**State Corporation Commission of Kansas**

**Oil & Gas Conservation Division**

**Well Completion Form**

**Add 1 Well History**

**Description of Well and Lease**

**Operator:** License # 4767

**Name:** Ritchie Exploration, Inc.

**Address:** 125 N. Market, Ste. 1000

**City/State/Zip:** Wichita, KS 67202

**Purchaser:**

**Operator Contact Person:** Jeff Christian

**Phone:** (316) 267-4375

**Contractor:** Name: Murfin Drilling Company, Inc.

**License:** 30606

**Well Site Geologist:** Jeff Christian

**Designate Type of Completion:**

- [X] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [X] Gas
- [ ] Dry

**If Workover/Re-Entry: old well info as follows:**

**Operator:**

**Well Name:**

**Comp. Date**

**Deepening**

**Re-perf.**

**Conv. to Inj/SWD**

**Plug Back**

**Completed**

**Deck No.**

**Dual Completion**

**Deck No.**

**Other (SWD or Inj? Deck No.**

**Spud Date**

**04-22-93**

**Date Reached TD**

**04-27-93**

**Completion Date**

**04-27-93**

**APR NO. 15:** 065-22706 (20-00)

**County:** Graham

**NE-NE-SE Sec. 21 Twp. 6S Rge. 23 X**

**2310 Feet from SW (circle one) Line of Section**

**330 Feet from NW (circle one) Line of Section**

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

**Lease Name:** Schaben 21-D

**Well #:** 1

**Field Name:** wildcat

**Producing Formation**

**Elevation:** Ground 2389' K8 2394'

**Total Depth:** 3835' PBD 0

**Amount of Surface Pipe Set and Cemented at 246 Feet**

**Multiple Stage Cementing Collar Used?** Yes [X] No

**If yes, show depth set [X] 246 Feet**

**If Alternate II completion, cement circulated from [X] to 246 feet depth to [X] sz cat.**

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

**Chloride content:** 1200 ppm Fluid volume 900 bbls

**Dewatering method used:**

**Location of fluid disposal if hauled offsite:**

**Operator Name:**

**Lease Name:**

**County:**

**Signature:**

**Date:**

**Title:**

**Date:** 6-22-93

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**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. Republication, workover or conversion of a well. Rule 82-3-150, 82-3-106 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 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-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:**

**Date:**

**Title:**

**Date:**

---

**LISA THIMMESCH**

**Notary Public**

**State of Kansas**

**My Appl. Exp. 8-24-98**

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**Form ACC-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.

<table>
<thead>
<tr>
<th>Drill Stem Tests Taken</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Attach Additional Sheets.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Samples Sent to Geological Survey</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Core Taken</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Electric Log Run (Submit Copy.)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>List All E. Logs Run:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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</td>
<td>12 1/2&quot;</td>
<td>8-5/8&quot;</td>
<td>28 2/3</td>
<td>246'</td>
<td>60/40</td>
<td>180</td>
<td>2%Gel 3%CC</td>
</tr>
</tbody>
</table>

**Additional Cementing/Squeeze Record**

- **Purpose:**
  - Perforate
  - Protect Casing
  - Plug Back To
  - Plug Off Zone

**Perforation Record** - Bridge Plugs Set/Type

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specify Footage of Each Interval Perforated</th>
<th>Acids, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)</th>
<th>Depth</th>
</tr>
</thead>
</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>

**Date of First, Resumed Production, SWD or I/N:**

**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, submit ACO-18.)

**Method of Completion**

- □ Open Hole
- □ Perf.
- □ Dually Comp.
- □ Come mingled
- □ Other (Specify)

**Production Interval**
#1 Schaben 21-D  
NE NE SE  
Section 21-6S-23W  
Graham County, Kansas  
API# 15-065-22,706  
Elevation: 2389' G.L., 2394' K.B.

Sample Tops  
Anhydrite 2059'+(335)  
B/Anhydrite 2091'+(303)  
Topeka 3392'(-998)  
Heebner 3591'(-1197)  
Toronto 3618'(-1224)  
Lansing 3634'(-1240)  
B/KC 3816'(-1422)  
RTD 3835'(-1441)

DST #1 from 3625' to 3645' (L/KC Top zone).  
Recovered 2' of oil and 10' of mud with oil spots.  
IFP: 47-47#/30"; ISIP: 124#/30";  
FFP: 47-47#/30"; FSIP: 66#/30".

DST #2 from 3644' to 3688' (L/KC 35' and 50' zones). Recovered 810'  
of muddy water.  
IFP: 104-190#/30"; ISIP: 725#/30";  
FFP: 295-353#/30"; FSIP: 715#/30".

DST #3 from 3757' to 3835' (L/KC 180', 200', and 220' zones).  
Recovered 15' of oil spotted mud.  
IFP: 66-57#/30"; ISIP: 849#/30";  
FFP: 66-57#/30"; FSIP: 791#/30".

RELEASED  
JUL 26 1995  
FROM CONFIDENTIAL

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RECEIVED  
JUN 23 1993  
STATE CORPORATION COMMISSION  
CONSERVATION DIVISION  
Wichita, Kansas
**ORIGINAL ALLIED CEMENTING CO., INC.**

**Home Office P. O. Box 31**
Russell, Kansas 67665

**Date:**
4-22-93

**Lease:**
Schaben

**Well No.:**
1

**Location:**
Hill City 9N 21W 1N

**County:**
Graham

**State:**
KS

**Contractor:**
Murfin Drilling Ltd.

**Rig No.:**
8

**Type Job:**
Surface

**Hole Size:**
12 1/4

**T.D.:**
247

**Csg.:**
8 1/4

**Depth:**
246

**Tbg. Size:**

**Depth:**

**Drill Pipe:**

**Depth:**

**Tool:**

**Depth:**

**Cement Left in Csg.:**
10' - 15'

**Shoe Joint:**

**Press Max.:**
Minimum

**Meas Line:**
Displace

**Perf.**

---

**EQUIPMENT**

<table>
<thead>
<tr>
<th>Hay3 No.</th>
<th>Helper</th>
<th>Dave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumperk 15.3</td>
<td>Cen</td>
<td>Mack</td>
</tr>
<tr>
<td>Pumperk 21</td>
<td>Driver</td>
<td>Mike</td>
</tr>
<tr>
<td>Bulkark 218</td>
<td>Driver</td>
<td></td>
</tr>
</tbody>
</table>

**DEPT of Job**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Pump tek cng</th>
<th>430.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 2/3 Permite</td>
<td>105.75</td>
<td></td>
</tr>
<tr>
<td>8 Eureka plug</td>
<td>42.00</td>
<td></td>
</tr>
</tbody>
</table>

**Sub Total**

**Tax**

**Total**

**Remarks:**
Cement Ctr

---

**Charge To:**
Ritchie Exploration

**Street:**
125 N Market St. 1000

**City:**
Wichita

**State:**
KS

67202

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

**Purchase Order No.:**
X

**Floyd Dellar**
CEMENT

**Amount Ordered:**
180 3% CC 2% gel

**Consisting of:**

<table>
<thead>
<tr>
<th>Common</th>
<th>108</th>
<th>575</th>
<th>621.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pox. Mix</td>
<td>72</td>
<td>300</td>
<td>214.00</td>
</tr>
<tr>
<td>Gel.</td>
<td>3</td>
<td>200</td>
<td>NE</td>
</tr>
<tr>
<td>Chloride</td>
<td>5</td>
<td>2500</td>
<td>125.00</td>
</tr>
<tr>
<td>Quickset</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**RELEASED**

**JUL 26 1995**

**Handling**
FROM CONFIDENTIAL 100
180.00

**Mileage**
H7m 04
338.40

**COPIED**
4-30-93

**Sub Total**
1480.40

**Total**

---

**Received**
11-29-93

**Conservation Division**
Wichita, Kansas
**Allied Cementing Co., Inc.**

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

**Russell, Kansas 67665**

**Date:** 4-27-93

<table>
<thead>
<tr>
<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>21</td>
<td>65</td>
<td>23W</td>
<td>2:00 PM</td>
<td>4:30 PM</td>
<td>5:15 PM</td>
<td>9:00 PM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lease</th>
<th>Well No.</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schaben</td>
<td>21-D</td>
<td>9N 2W NW Hill City</td>
</tr>
</tbody>
</table>

**County:** Graham

**State:** KS

**Owner:** Ritchie Exploration, Inc.

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, Suite 1000

**City:** Wichita

**State:** KS 67202

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

**Purchase Order No.:**

\[X\]

**Cement**

- **Amount Ordered:** 190,000 60/40 60% 40%

**Equipment**

<table>
<thead>
<tr>
<th>No.</th>
<th>Casing</th>
<th>Helper</th>
<th>Driver</th>
</tr>
</thead>
<tbody>
<tr>
<td>276</td>
<td>Blackam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>279</td>
<td></td>
<td>D. Rundle</td>
<td></td>
</tr>
<tr>
<td>291</td>
<td></td>
<td>W. McGinn</td>
<td></td>
</tr>
</tbody>
</table>

**Depth of Job**

- **Pump Change:** 4:30.00
- **Plug:** 105.75

**Mileage:** 47.2

**Release:** Sales Tax

**Handling:** JUL 26 1995

<table>
<thead>
<tr>
<th>Mileage</th>
<th>JUL 26 1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>47.2</td>
<td>04</td>
</tr>
</tbody>
</table>

**Copy From Confidential:**

**From:** 5-06-93

**Sub Total:** 1479.70

**Total:**

**Floating Equipment**

**May 6, 1993**

**Notes:**

1st plug C 2080 w/ 350 lb
2nd plug C 1274 w/ 100 lb
3rd plug C 300 w/ 400 lb

**Remarks:**

4 1/4 plug C 40 w/ 10 lb
1 5/8 in. in Patch

**Received:**

**Date:** JUN 23 1993

**State Corporation Commission**