WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

API No. 15 - 15-065-22806-0000

County: Graham

Field Name: Nichol-Geyer

Lease Name: unnamed

Well #: 1

Operator: License # 5011

Name: Viking Resources, Inc.

Address: 105 S. Broadway Ste 1040

City/State/Zip: Wichita, KS 67202

Purchaser: Eaglwing

Operator Contact Person: Jim Devlin

Phone: (316) 262-2502

Contractor: Name: Murfin Drilling Inc.

License: 30606

Wellsite Geologist: Robert Petersen

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

Commingled

Docket No.

Dual Completion

Docket No.

Other (SWD or Enhr?):

Docket No.

1/16/01

1/22/01

2/2/01

Spud Date or Recompletion Date

Date Reached TD

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: [Signature]

Title: Vice President

Date: 4/30/02

Subscribed and sworn to before me this 30th day of April 2002

Notary Public:

Date Commission Expires: [Date]

Notary Public: [Signature]

STATE OF KANSAS

NO Letter of Confidentiality Attached

If Denied, Yes [ ] Date:

☒ Wireline Log Received

☒ Geologist Log Received

☐ UIC Distribution

Date Commission Expires: [Date]

KCC Office Use ONLY
Operator Name: Viking Resources, Inc.
Lease Name: Nichol-Geyer
Well #: 1
Sec. 13   Twp. 6   S. R. 21   ☑ East   ☑ West   County: Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 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  ☑ Log  ☐ Formation (Top), Depth and Datum  ☐ Sample

(Attach Additional Sheets)

☑ Samples Sent to Geological Survey  ☑ Yes   ☐ No

☐ Cores Taken  ☑ Yes   ☑ No

☒ Electric Log Run  (Submit Copy)

List All E. Logs Run:

☑ Radiation Guard

☑ Neutron Density Porosity

☑ Pracfinder

CASING RECORD  ☑ New   ☑ Used

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

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Dressed</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</td>
<td>8-7/8</td>
<td>219</td>
<td>☑ Common</td>
<td>165</td>
<td>2% gel 3%cc</td>
<td></td>
</tr>
<tr>
<td>Production</td>
<td>7-7/8</td>
<td>4-1/2</td>
<td>10.5</td>
<td>3756</td>
<td>ASC</td>
<td>200</td>
<td>2% gel WFR2</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></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 |
| Shots Per Foot | 3630-33, 3635-38, 3644-47, | 1500 gal 28% acid | 3630-47 |
| 4           | 3520-24           | none           | 3520-24      |
| 4           | 3468-72           | 1000 gal 28% acid | 3468-72      |

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>
<tbody>
<tr>
<td>2-3/8</td>
<td>3674</td>
<td>3608</td>
<td></td>
<td>☑</td>
<td>☐</td>
</tr>
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</table>

Date of First, Resumed Production, SWD or Enh. 2/6/01

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>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td></td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Disposition of Gas

METHOD OF COMPLETION

□ Vented   □ Sold   □ Used on Lease (If vented, Sumit ACO-18)

□ Open Hole   ☑ Perf.   ☐ Dually Comp.   ☐ Commingled

☑ APR 30 2002

CONSERVATION DIVISION
WICHITA, KS
# DRILL STEM TEST REPORT

**Viking Resources Inc**

105 S. Broadway #1040  
Wichita, KS 67202  

**oufl: Bob Peterson**

**Nichols-Geyer #1**

13-6S-21W Graham KS  

Job Ticket: 13331  

Test Start: 2001.01.18 @ 17:00:00

## GENERAL INFORMATION:

- **Formation:** Topeka  
- **Deviation:** No  
- **Time Tool Opened:** 18:44:28  
- **Time Test Ended:** 23:10:00  
- **Interval:** 3249.00 ft (KB) to 3332.00 ft (KB) (TVD)  
- **Total Depth:** 3332.00 ft (KB)  
- **Hole Diameter:** 7.88 inches  
- **Hole Condition:** Fair  
- **Test Type:** Conventional Bottom Hole  
- **Tester:** Rod Steinbrink  
- **Unit No:** 12  
- **Reference Elevations:** 2247.00 ft (KB)  
- **KB to GR/CF:** 5.00 ft

## Serial #:

- **Press@Run Depth:** 224.33 psig @ 3260.00 ft (KB)  
- **Start Date:** 2001.01.18  
- **End Date:** 2001.01.18  
- **Start Time:** 17:32:28  
- **End Time:** 21:57:58  
- **Capacity:** 6000.00 psig  
- **Last Calib:** 2001.01.18  
- **Time On Btm:** 2001.01.18 @ 18:43:58  
- **Time Off Btm:** 2001.01.18 @ 21:22:43  
- **TEST COMMENT:**  
  - F: Fair to strong blow off btm in 10 mins.  
  - IS: no return blow  
  - FF: Fair to strong blow off btm in 20 mins.  
  - FS: No return blow

## PRESSURE SUMMARY

<table>
<thead>
<tr>
<th>Time (Min.)</th>
<th>Pressure (psig)</th>
<th>Temp (deg F)</th>
<th>Annotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>1592.59</td>
<td>85.11</td>
<td>Initial Hydro-static</td>
</tr>
<tr>
<td>72</td>
<td>26.74</td>
<td>85.15</td>
<td>Open To Flow (1)</td>
</tr>
<tr>
<td>107</td>
<td>145.02</td>
<td>97.23</td>
<td>Shut-In(1)</td>
</tr>
<tr>
<td>156</td>
<td>940.50</td>
<td>98.58</td>
<td>End Shut-In(1)</td>
</tr>
<tr>
<td>156</td>
<td>148.63</td>
<td>98.58</td>
<td>Open To Flow (2)</td>
</tr>
<tr>
<td>183</td>
<td>224.33</td>
<td>101.19</td>
<td>Shut-In(2)</td>
</tr>
<tr>
<td>230</td>
<td>882.68</td>
<td>101.98</td>
<td>End Shut-In(2)</td>
</tr>
<tr>
<td>231</td>
<td>1549.55</td>
<td>101.98</td>
<td>Final Hydro-static</td>
</tr>
</tbody>
</table>

## Recovery

<table>
<thead>
<tr>
<th>Length (ft)</th>
<th>Description</th>
<th>Volume (bbl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>120.00</td>
<td>Muddy Water 80%water 20%mud</td>
<td>1.68</td>
</tr>
<tr>
<td>320.00</td>
<td>Water</td>
<td>4.49</td>
</tr>
</tbody>
</table>

**Trilobite Testing Inc.**  

**Ref. No:** 13331  

**Date:** 2001.01.24 @ 10:34:00  

**Printed by:**  

**Conservation Division**  

**Wichita, KS**  

**APR 30 2002**
**DRILL STEM TEST REPORT**

**Viking Resources Inc**

**Nichols-Geyer #1**

**105 S. Broadway #1040**

**13-6S-21W Graham KS**

**Wichita, KS 67202**

**Job Ticket: 13332**

**DST#: 2**

**ATTN: Bob Peterson**

**Test Start: 2001.01.20 @ 19:07:00**

---

**GENERAL INFORMATION:**

- **Formation:** LKC F - G
- **Deviated:** No Whipstock
- **Time Tool Opened:** 20:47:40
- **Time Test Ended:** 02:15:00
- **Interval:** 3534.00 ft (KB) To 3568.00 ft (KB) (TVD)
- **Total Depth:** 3568.00 ft (KB)
- **Hole Diameter:** 7.88 inches
- **Hole Condition:** Fair
- **Test Type:** Conventional Bottom Hole
- **Tester:** Rod Steinbrink
- **Unit No:** 12
- **Reference Elevations:**
  - KB to GR/CF: 2242.00 ft (CF)
  - KB: 2247.00 ft (KB)

**Serial #:** 3246

**Press@RunDepth:** 73.02 psig @ 3540.00 ft (KB)

**Start Date:** 2001.01.19

**End Date:** 2001.01.20

**Start Time:** 19:08:27

**End Time:** 02:15:25

**Capacity:** 7000.00 psig

**Last Calib.:** 2001.01.19

**Time On Btm:** 2001.01.19 @ 20:47:10

**Time Off Btm:** 2001.01.20 @ 00:21:25

**TEST COMMENT:** F; Weak to med blow built to 4" IS; No return

**FF; Weak return built to 2" FS; No return.**

---

**PRESSURE SUMMARY**

<table>
<thead>
<tr>
<th>Time (Min.)</th>
<th>Pressure (psig)</th>
<th>Temp (deg F)</th>
<th>Annotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>15.75</td>
<td>89.51</td>
<td>Open To Flow (1)</td>
</tr>
<tr>
<td>148</td>
<td>45.71</td>
<td>88.30</td>
<td>Shut-In(1)</td>
</tr>
<tr>
<td>206</td>
<td>1048.83</td>
<td>101.27</td>
<td>End Shut-In(1)</td>
</tr>
<tr>
<td>207</td>
<td>47.79</td>
<td>101.26</td>
<td>Open To Flow (2)</td>
</tr>
<tr>
<td>252</td>
<td>73.02</td>
<td>104.05</td>
<td>Shut-In(2)</td>
</tr>
<tr>
<td>312</td>
<td>1018.57</td>
<td>104.76</td>
<td>End Shut-In(2)</td>
</tr>
<tr>
<td>313</td>
<td>1736.05</td>
<td>104.79</td>
<td>Final Hydrostatic</td>
</tr>
</tbody>
</table>

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**Recovery**

<table>
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<tr>
<th>Length (ft)</th>
<th>Description</th>
<th>Volume (bbl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>130.00</td>
<td>MCW 90%water 10% mud</td>
<td>1.82</td>
</tr>
</tbody>
</table>

---

**Gas Rates**

<table>
<thead>
<tr>
<th>Choke(inches)</th>
<th>Pressure (psig)</th>
<th>Gas Rate (MCFD)</th>
</tr>
</thead>
</table>

---

**Received:**

**KANSAS CORPORATION COMMISSION**

**Conservation Division**

**Wichita, KS**

**APR 30 2002**

**Printed:** 2001.01.24 @ 10:36:34 **Page 1**
DRILL STEM TEST REPORT

Viking Resources Inc  Nichols-Geyer #1
105 S. Broadway #1040  13-6S-21W Graham KS
Wichita, KS 67202
ATTN: Bob Peterson

Job Ticket: 13333  DST#: 3
Test Start: 2001.01.20 @ 17:05:00

GENERAL INFORMATION:
Formation: L/KC H thru K  Test Type: Conventional Bottom Hole
Deviated: No  Tester: Rod Steinbrink
Whipstock: ft (KB)  Unit No: 12
Time Tool Opened: 18:53:16
Time Test Ended: 21:30:00
Interval: 3581.00 ft (KB) To 3680.00 ft (KB) (TVD)
Total Depth: 3680.00 ft (KB)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2247.00 ft (KB)  2242.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3246  Inside
Press@RunDepth: 81.49 psig @ 3611.00 ft (KB)
Start Date: 2001.01.20  End Date: 2001.01.20
Capacity: 7000.00 psig
Last Calib.: 2001.01.20
Time On Btm: 2001.01.20 @ 18:52:46
Time Off Btm: 2001.01.20 @ 21:30:46

TEST COMMENT:
IF: Weak to fair blow off btm in 20 mins.
ST: No return blow
FF: Weak to fair blow off btm in 10 mins.
FS: No return blow

PRESSURE SUMMARY

<table>
<thead>
<tr>
<th>Time (Min.)</th>
<th>Pressure (psig)</th>
<th>Temp (deg F)</th>
<th>Annotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>107</td>
<td>1777.24</td>
<td>90.00</td>
<td>Initial Hydro-static</td>
</tr>
<tr>
<td>107</td>
<td>18.79</td>
<td>90.07</td>
<td>Open To Flow (1)</td>
</tr>
<tr>
<td>140</td>
<td>51.35</td>
<td>94.85</td>
<td>Shut-In(1)</td>
</tr>
<tr>
<td>186</td>
<td>1130.28</td>
<td>96.89</td>
<td>End Shut-In(1)</td>
</tr>
<tr>
<td>187</td>
<td>49.95</td>
<td>96.89</td>
<td>Open To Flow (2)</td>
</tr>
<tr>
<td>216</td>
<td>81.49</td>
<td>97.80</td>
<td>Shut-In(2)</td>
</tr>
<tr>
<td>264</td>
<td>1121.69</td>
<td>99.60</td>
<td>End Shut-In(2)</td>
</tr>
<tr>
<td>265</td>
<td>1719.58</td>
<td>99.63</td>
<td>Final Hydro-static</td>
</tr>
</tbody>
</table>

Recovery

<table>
<thead>
<tr>
<th>Length (ft)</th>
<th>Description</th>
<th>Volume (bbl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90.00</td>
<td>GIP</td>
<td>1.26</td>
</tr>
<tr>
<td>10.00</td>
<td>Free Oil</td>
<td>0.14</td>
</tr>
<tr>
<td>20.00</td>
<td>MCO 70%/oil 30%/mud</td>
<td>0.28</td>
</tr>
<tr>
<td>120.00</td>
<td>OCM 35%/oil 65%/mud</td>
<td>1.68</td>
</tr>
</tbody>
</table>

Gas Rates

<table>
<thead>
<tr>
<th>Choke (inches)</th>
<th>Pressure (psig)</th>
<th>Gas Rate (Mcf/ST)</th>
</tr>
</thead>
</table>

Trilobite Testing Inc.
Ref. No: 13333

Printed: 2001.01.24 @ 10:46:26  Page 1
DRILL STEM TEST REPORT

Viking Resources Inc
105 S. Broadway #1040
Wichita, KS 67202

Nichols-Geyer #1
13-6S-21W Graham KS

ATTN: Bob Peterson

Test Start: 2001.01.21 @ 11:22:00

GENERAL INFORMATION:

Formation: Conglomerate
Deviated: No Whipplestock: ft (KB)
Time Tool Opened: 13:07:55
Time Test Ended: 17:19:10

Interval: 3659.00 ft (KB) To 3742.00 ft (KB) (TVD)
Total Depth: 3742.00 ft (KB)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
Tester: Rod Steinbrink
Unit No: 12

Reference Elevations: 2247.00 ft (KB) 2242.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 3246 Inside
Press@RunDepth: 20.99 psig @ 3673.00 ft (KB)
Start Date: 2001.01.21 End Date: 2001.01.21
Start Time: 11:25:27 End Time: 17:19:10

Capacity: 7000.00 psig
Last Calib.: 2001.01.19
Time On Btm: 2001.01.21 @ 13:07:10
Time Off Btm: 2001.01.21 @ 15:47:40

TEST COMMENT: IF; Weak 1/4* blow decreased to surface at final FF; Weak intermittent blow died in 20 mins.

PRESSURE SUMMARY

<table>
<thead>
<tr>
<th>Time (Min.)</th>
<th>Pressure (psig)</th>
<th>Temp (deg F)</th>
<th>Annotation</th>
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</thead>
<tbody>
<tr>
<td>102</td>
<td>1833.52</td>
<td>86.88</td>
<td>Initial Hydro-static</td>
</tr>
<tr>
<td>103</td>
<td>18.17</td>
<td>86.94</td>
<td>Open To Flow (1)</td>
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<tr>
<td>136</td>
<td>20.01</td>
<td>88.13</td>
<td>Shut-In(1)</td>
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<tr>
<td>181</td>
<td>149.99</td>
<td>90.38</td>
<td>End Shut-In(1)</td>
</tr>
<tr>
<td>182</td>
<td>19.93</td>
<td>90.42</td>
<td>Open To Flow (2)</td>
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<tr>
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<td>91.87</td>
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<td>89.01</td>
<td>93.64</td>
<td>End Shut-In(2)</td>
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<td>263</td>
<td>1801.97</td>
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<td>Final Hydro-static</td>
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Recovery

<table>
<thead>
<tr>
<th>Length (ft)</th>
<th>Description</th>
<th>Volume (bbl)</th>
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</thead>
<tbody>
<tr>
<td>5.00</td>
<td>Dril. Mud w/kiwi stains</td>
<td>0.07</td>
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Gas Rates

<table>
<thead>
<tr>
<th>Choke (Inches)</th>
<th>Pressure (psig)</th>
<th>Gas Rate (Mcfd)</th>
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Trilobite Testing Inc.  Ref. No: 13334

Printed: 2001.01.24 @ 12:31:00  Rev. 1
<table>
<thead>
<tr>
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<th>Value</th>
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<tbody>
<tr>
<td>CONTRACTOR</td>
<td>Martin</td>
</tr>
<tr>
<td>OLD OR NEW (Circle one)</td>
<td>1</td>
</tr>
<tr>
<td>TYPE OF JOB</td>
<td>Surface</td>
</tr>
<tr>
<td>HOLE SIZE</td>
<td>12 1/2</td>
</tr>
<tr>
<td>TUBING SIZE</td>
<td>23/4</td>
</tr>
<tr>
<td>DRILL PIPE</td>
<td>Depth</td>
</tr>
<tr>
<td>TOOL</td>
<td>Depth</td>
</tr>
<tr>
<td>PRES. MAX</td>
<td>Minimum</td>
</tr>
<tr>
<td>MEAS. LINE</td>
<td>Shoe Joint</td>
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<tr>
<td>CEMENT LEFT IN CSG.</td>
<td>10 7/8</td>
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<td>PERFS.</td>
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<tr>
<td>DISPLACEMENT</td>
<td>20' 131/2</td>
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<tr>
<td>PUMP TRUCK CEMENTER</td>
<td>Dave</td>
</tr>
<tr>
<td>PUMP TRUCK HELPER</td>
<td>Paul</td>
</tr>
<tr>
<td>BULK TRUCK DRIVER</td>
<td></td>
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<tr>
<td>BULK TRUCK #160 DRIVER</td>
<td>Shane</td>
</tr>
<tr>
<td>CEMENT</td>
<td>155</td>
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<tr>
<td>COMMON</td>
<td>635</td>
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<tr>
<td>POZMIX</td>
<td>935</td>
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<td>GEL</td>
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<tr>
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<td>TOTAL</td>
<td>1833 54</td>
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<tr>
<td>DEPTH OF JOB</td>
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<tr>
<td>PUMP TRUCK CHARGE</td>
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<td>EXTRA FOOTAGE</td>
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<tr>
<td>MILEAGE</td>
<td>63</td>
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<tr>
<td>PLUG</td>
<td>8 &amp; Wooden</td>
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<tr>
<td>TOTAL</td>
<td>704</td>
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<tr>
<td>TOTAL</td>
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</table>

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment
and furnish cementer and helper to assist owner or
**ALLIED CEMENTING CO., INC.**

**DATE:** 1/22/01

**LEASE:** Cty #1

**LOCATION:** Rouge 9 1/2 NW 1

**COUNTY:** Graham

**STATE:** KS

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**CONTRACTOR:** Martin Ille

**TYPE OF JOB:** Long String

**HOLE SIZE:** 7 5/8" T.D. 3762

**CASING SIZE:** 4 1/2" DEPTH 3750

**TUBING SIZE:** DEPTH

**DRILL PIPE:** DEPTH

**TOOL:** Port Collar DEPTH 1820

**PRESS. MAX:** MINIMUM

**MEAS. LINE:** SHOE JOINT

**CEMENT LEFT IN CSG:**

**PERFS:**

**DISPLACEMENT:** 5919.6 lb.

---

**EQUIPMENT**

- **PUMP TRUCK**
  - # 153
  - DRIVER: Darin

- **BULK TRUCK**
  - # 1100
  - DRIVER: Daron

- **Cementer:** Pat
  - **Helper:** Jason

---

**REMARKS:**

- Acc. for Pumped Baud.
  - Mixed 1200 x 1
  - Float Head! Thank You!
  - 55x Port hole
  - 10x Marshall

---

**SERVICE**

**DEPTH OF JOB**

**PUMP TRUCK CHARGE:** 1,080.00

**EXTRA FOOTAGE**

**MILEAGE:** 62.5 20.00 187.50 50.00

**PLUG:** 5 1/2

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**TOTAL:** 1,317.50

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**FLOAT EQUIPMENT**

- **Guide Shoe:** 125.00 125.00
- **Insert:** 210.00 210.00
- **Centralizers:** 9 @ 45.00 405.00
- **Basket:** 3 @ 110.00 330.00
- **Port Collar:** @ 1,000.00 1,000.00

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**TOTAL:** 2,572.00

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**CHARGE TO:** Viking Resources

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**APR 30 2001**

**CONSERVATION DIVISION**

**WICHITA, KS**

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To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or
### Allied Cementing Co., Inc.

**8431**

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

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<table>
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<th>Sec.</th>
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<td>13</td>
<td>E1/2</td>
<td>7:00 AM</td>
<td>11:00 AM</td>
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- **Contractor:** Fuller Well Service  
- **Type of Job:** Per & Collar
- **Hole Size:** 7 1/2"  
- **Casing Size:** T.D.  
- **Tubing Size:** Depth  
- **Drill Pipe:** Depth  
- **Tool:** Per & Collar  
- **Pres. Max:** Minimum  
- **Meas. Line:** Shoe Joint  
- **Displacement:**

### Equipment

<table>
<thead>
<tr>
<th>Pump Truck</th>
<th>Cementer</th>
<th>Bn</th>
<th>Helper</th>
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<tr>
<td># 224</td>
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<tr>
<th>Bulk Truck</th>
<th>Driver</th>
<th>Troy</th>
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<tr>
<td># 222</td>
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<table>
<thead>
<tr>
<th>Bulk Truck</th>
<th>Driver</th>
<th>Long</th>
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<tr>
<td># 260</td>
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<td>Per &amp; Collar 1850</td>
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**Remarks:**  
- Run Tubing to 2000, Press & to 1000, Open Casing
- Run hydrostatic Fluid to 2000, Open Casing
- Miocene Fracture Sands Mixed by 14850, 5000, Fluid to 5000, Sand Stick. Cement Grout, Close Casing, Don't Fracture Fracture Grout. Press to 1000, Open Casing
- Wash Tube, Fluid to 1000, Fracture Don't Fracture
- Wash Fracture, Grout to Drive

- **Handling:** 461 @ 1.05 | 484.05
- **Mileage:** 63 @ 3.00 | 189.00

**Total:** 4149.17

---

**Owner:** Viking Resources

**Service**

- **Depth of Job:** 1850'  
- **Pump Truck Charge:** 580.00
- **Extra Footage:**
- **Mileage:** 63 @ 3.00 | 189.00
- **Plug:**

**Total:** 769.00

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**Float Equipment**

**Received:**

- [ ]
- [ ]
- [ ]

**[Kansas Oil Conservation Commission]**

- [ ]
- [ ]
- [ ]

**Date:** APR-30-2002

---

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment.
Viking Resources, Inc.
Nichol-Geyer #1
2310' FSL & 990' FEL
13-6S-21W
Graham County, Kansas
2247 KB

<table>
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Sample Description

**Deer Creek 3297 (-1050)** Limestone; white, fine crystalline, foss./cherty w/ fair to good vug. por, light to even sat. sfo, odor.

DST#1 3254-3332; 30-45-30-45; Fair to strong blow to bottom of bucket in 10 min first open, Fair to strong blow off bottom in 20 min. Recovered 120' MW and 320 W; IH, 1592, FH 1580, ISIP 899, FSIP 849, IFP 26-114, FFP 148-224
Toronto 3477 (-1230) Limestone; white, foss., sub-granular w/ fair inter-foss. por, dark sat along porosity to full saturation, ssfo, odor

LKC-A 3485 (-1238) Limestone; white, fine crystalline foss., w/ trace poor to fair inter crystalline vugular por., spot to dark full sat. ssfo, odor.

LKC-B 3517 (-1270) Limestone; white, fine crystalline, w/ fair inter crystalline pinpoint vugular por., spot to dark full sat. ssfo, odor.

LKC-D 3535 (-1288) Limestone; white, fine crystalline, foss., w/ poor to fair inter crystalline pinpoint vugular por., sat along por, ssfo.

LKC-F 3550 (-1303) Limestone; white, fine crystalline, foss., w/ poor-fair inter foss por., sat. along por, ssfo, odor.

LKC-G 3562 (-1303) Limestone; white, foss., w/ fair to good inter-foss por., sat. along por, ssfo, odor.

DST#2 3539-3568; 45-60-45-60; Weak to medium blow built to 4" first open, Weak blow slowly built to 2". Recovered 130' MCW; IH, 1761; FH 1736, ISIP 1048, FSIP 1018, IFP 15-45, FFP 47-73

LKC-H 3607 (-1360) Limestone; light gray, cherty.

LKC-I 3628 (-1381)
3628-32 Limestone; white, chalky.

3633-39 Limestone; white, very fine crystalline, foss., w/ trace poor vug., sat. stain, odor.

LKC-J 3641 (-1394) Limestone; white, very fine crystalline, tr. foss., w/ trace poor ppt por., dark sat. stain, ssfo, odor.

LKC-K 3659 (-1412) Limestone; white, foss, w/fair to good inter-foss. por. sat stain.

LKC-L 3669 (-1422) Limestone; lt gray, very fine crystalline, cherty, w/ poor frac. por, spot sat.

DST#3 3586-3680; 30-45-30-45; First open weak to fair blow off bottom in 20 min., Second open weak to fair blow off bottom in 15 min.; Recovered 90' GIP, 10' FO, 20' mud cut oil (70% oil), 120' heavy oil cut mud (35% oil); IH, 1777, FH 1719, ISIP 1130, FSIP 121, IFP 16-51, FFP 49-81

Conglomerate 3719 (-1471) Sand, clear, fine to med, sub-angular, and consolidate (calcaceous cement) to rounded to well-rounded loose, chert, fresh sharp quartz and
weathered white feldspar (reworked granite wash), loose sand, trace sat stain on tight consolidated sandstone fragments.

DST#4 3664-3742; 30-45-30-45; First open weak blow to 0.25", Second open weak to weak intermittent died in 20 min.; Recovered 5' mud; IH, 1833, FH 1801, ISIP 149, FSIP 89, IFP 18-20, FFP 19-20