API NO. 15- 137-20,395

County: Norton 00-00

NE, SE, SE, Sec. 20, Twp. 5S, Rge. 22W

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

Lease Name: Burton Griffey Jr. Well # 1

Fluid Name: L/KC

Producing Formation: KCC

Elevation: Ground 2218

Total Depth: 3650

Amount of Surface Pipe Set and Cemented at 269 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 1810 Feet

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 1800 ppm Fluid volume 691 bbls

Evaporation

Location of fluid 7-27-95

Drilled offsite

Operator Name: KCC

License No. 5420

Conversely, this oil and gas industry has been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Lisa Thimmesch

Notary Public:

Date Commission Expires: 8-29-94
Operator Name: Ritchie Exploration, Inc.  Lease Name: Burton Griffey, JR  Well #: 1  

Sec.: 20  Twp.: 5  Rge.: 22W  
County: Norton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving intervals 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.)

Samples Sent to Geological Survey

Cores Taken

Electric Log Run (Submit Copy.)

List All ELogs Run:

Radiation Guard Log

Casing Record

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&quot;</td>
<td>8 5/8&quot;</td>
<td>28#</td>
<td>269</td>
<td>60/40 poz</td>
<td>190</td>
<td>2% gal 3% CC</td>
</tr>
<tr>
<td>production</td>
<td>7 7/8&quot;</td>
<td>4 3/4</td>
<td>10.5#</td>
<td>3629</td>
<td>EA-2</td>
<td>110</td>
<td>5% Calseal 5% Gilsonite</td>
</tr>
</tbody>
</table>

Additional Cementing/Squeeze Record

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth Top</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 To</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Off Zone</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 3  

5071'-3574' zone

500 gallons 28% NE 180' zone

Tubing Record

Size 2 3/8"  

Set At 3579'  

Packer At NA 

Liner Run Yes  

Date of First, Resumed Production, SWD or Inj. 8-17-95 

Producing Method  

Flowing  

Gassing  

Gas Lift  

Other (Explain)  

Estimated Production Per 24 Hours 59  

Oil Bbls.  

Gas Mcf  

Water Bbls.  

Gas-Oil Ratio  

Gravity  

Disposition of Gas:  

Vented Yes  

Sold No  

Used on Lease (If vented, submit ACO-18.)  

Open Hole Yes  

Perf. No  

Dually Comp. No  

Commingled  

Other (Specify)  

Production Interval
#1 Burton Griffey, Jr.
NE SE SE
Section 20-5S-22W
Norton County, Kansas
API# 15-137-20,395
Elevation: 2213' G.L. 2218' K.B.

ELECTRIC LOG TOPS
Anhydrite   1833'(+ 385)
B/Anhy     1863'(+ 355)
Topeka     3181'(- 963)
Heebner     3381'(-1163)
Toronto    3408'(-1190)
Lansing   3427'(-1209)
B/KC       3610'(-1392)
LTD        3631'(-1413)

DST #1 from 3441'-3464' (35' zone). Recovered 427' slightly muddy water.
  IFP:60-112#/30";ISIP:1114#/30";
  FFP:170-210#/30";FSIP:1075#/30".

DST #2 from 3461' to 3498' (50', 70' and 90' zones). Recovered 90' mud cut oil (75% oil, 25% mud) and 60' slightly oil and mud cut water (5% oil, 20% mud, 75% water).
  IFP:80-100#/45";ISIP:1233#/45";
  FFP:120-136#/45";FSIP:1164#/45".

DST #3 from 3550' to 3584' (180' zone). Recovered 444' gas in pipe, 50' clean gassy oil, and 174' mud cut oil (85% oil, 15% mud).
  IFP:50-70#/45";ISIP:300#/60";
  FFP:90-110#/45";FSIP:300#/60".

RELEASED
APR 27 1999
FROM CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OCT 27 1995
**Confidential**

**Allied Cementing Co., Inc.**

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

**Russell, Kansas 67665**

**New**

<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>9-9-95</td>
<td>20</td>
<td>55</td>
<td>22W</td>
<td>10AM</td>
<td>Hill City, Wyandotte, KS</td>
<td>11:40AM</td>
<td></td>
</tr>
</tbody>
</table>

**Lease:** Bartow Griffin Well No. 

**Contractor:** Express Well Service  

**Type Job:** Post Collar  

**Hole Size:**  

**Cement Lft in Csg:** 

**Press Max.:** RELEASED  

**Meas Line:** APR-27-1999  

**Perf.:** FROM CONFIDENTIAL EQUIPMENT

<table>
<thead>
<tr>
<th>Equipment</th>
<th>No.</th>
<th>Cementer</th>
<th>Helper</th>
<th>Cementer</th>
<th>Helper</th>
<th>Driver</th>
<th>Driver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumprk 153</td>
<td></td>
<td>Dave</td>
<td>Mark</td>
<td></td>
<td></td>
<td>Bill M.</td>
<td></td>
</tr>
<tr>
<td>Pumprk No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulktr 254</td>
<td></td>
<td></td>
<td></td>
<td>Bill M.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Depth of Job**

<table>
<thead>
<tr>
<th>Reference:</th>
<th>Pump the City</th>
<th>550.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12-1/2 ft. per mile</td>
<td>178 ft</td>
</tr>
</tbody>
</table>

**Sub Total**

**Tax**

**Total**

**Remarks:**

- Cement Circulated:  
- Witness by: [Signature]

**Charge To:** Ritchie Exploration  

**Street:** 125 N Market # 1000  

**City:** Wichita  

**State:** Kansas  

**Purchase Order No.:**  

**Amount Ordered:** 460  
**Consisting of:** | unused apps. 290 |
**Common:** 120 ft. 10 |
**Pos. Mix:** 120 ft. 245 |
**Gel:** 13.5 ft. 750 |
**Chloride:** 470 ft. 123.50 |
**Quottet:** 300 ft. @ 1.50 |
**Closing:** 60 @ |
**Sales Tax:** 472  
**Handling:** @ 105  
**Mileage:** 41.5 @ 1.00  
**Total:** 3143  

**RECEIVED:**

**KANSAS CORPORATION COMMISSION:**

**Consortium Division:**

**Wichita, KS:**

Phone 913-483-2627, Russell, KS  
Phone 913-625-5516, Hays, KS  
Phone 316-886-5926, Medicine Lodge, KS  
Phone 913-798-3843, Ness City, KS  

Phone 316-793-5861, Great Bend, KS
<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICING AREA - MID CONTINENT</td>
<td>140 MI</td>
<td>2.75</td>
<td>385.00</td>
<td></td>
</tr>
<tr>
<td>MILEAGE CEMENTING ROUND TRIP</td>
<td>1 UNT</td>
<td>1,570.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEMENTING CASING</td>
<td>3628 FT</td>
<td>1 UNT</td>
<td>1,570.00</td>
<td></td>
</tr>
<tr>
<td>CEMENTING PLUGIN 5W, PLASTIC TOP</td>
<td>4 1/2 IN</td>
<td>1 EA</td>
<td>55.00</td>
<td></td>
</tr>
<tr>
<td>BAKER PORT COLLAR</td>
<td>1 EA</td>
<td>1,300.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUD FLUSH</td>
<td>500 GAL</td>
<td>.65</td>
<td>325.00</td>
<td></td>
</tr>
<tr>
<td>CLAYFIX II</td>
<td>2 GAL</td>
<td>28.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GUIDE SHOE - 4 1/2&quot; 8RD THD.</td>
<td>1 EA</td>
<td>95.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INSERT FLOAT VALVE - 4 1/2&quot;8RD</td>
<td>1 EA</td>
<td>73.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FILL-UP UNIT 4 1/2&quot;-5&quot;</td>
<td>1 EA</td>
<td>45.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CENTRALIZR-TURBO-4-1/2 X 7-7/8</td>
<td>5 EA</td>
<td>60.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEMENT BASKET 4 1/2&quot;</td>
<td>1 EA</td>
<td>105.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CASING SWIVEL W/O WALL CLEANER</td>
<td>1 JOB</td>
<td>185.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEMENT - STANDARD</td>
<td>125 SK</td>
<td>8.86</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SALT</td>
<td>1000 LB</td>
<td>.15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HALAD-322</td>
<td>88 LB</td>
<td>7.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAL SEAL 60</td>
<td>6 SK</td>
<td>25.90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GILSONITE BULK</td>
<td>625 LB</td>
<td>.40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BULK SERVICE CHARGE</td>
<td>160 CFT</td>
<td>1.35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MILEAGE CMTG MAT DEL OR RETURN</td>
<td>492,205 TMI</td>
<td>.95</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INVOICE SUBTOTAL** | **JUL 95** | **1 0 1 4 1 5 6** | **KANSAS CORPORATION COMMISSION** | **7,456.49**

**NOTE:** If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer fails to pay in full on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum, in the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid balance, plus all collection and court costs.
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.

SIGNATURE  

[Handwritten Signature]