STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 30201
Name: HILLIN-SIMON OIL COMPANY
Address: P. O. Box 1552
City/State/Zip Midland, TX 79702
Purchaser:
Operator Contact Person: Stan Venable
Phone: 915-682-2202
Contractor: Name: Crandall Drilling, Inc.
License: 30480

Wellsite Geologist:
Designate Type of Completion
X New Well  Re-Entry  Workover
Oil  SWD  Temp. Abd.
Gas SI  Inj  Delayed Drilling
Dry  Other (Core, Water Supply, etc.)

If OAW: old well info as follows:
Operator:
Well Name:
Comp. Date   Old Total Depth

Drilling Method:
X Mud Rotary  Air Rotary  Cable

12-11-90   12-13-90   01-09-91
Spud Date   Date Reached TD   Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-11 form with all plugged wells. Submit CP-11 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Staff Operations Engineer
Date 01-17-91

Subscribed and sworn to before me this 19 day of February, 1991.

Notary Public

Official Seal
NOTARY PUBLIC-STATE OF TEXAS
VICKI J. Dillard
Operator Name: Hillin-Simon Oil Company

Lease Name: Clara Z 321

County: Cheyenne

Sec. 34 Twp. 28 Rge. 42

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

Formation Description

<table>
<thead>
<tr>
<th>Name</th>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Niobrara (Beecher Island Zone)</td>
<td>1595'</td>
<td>1631'</td>
</tr>
</tbody>
</table>

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>.8 3/4&quot;</td>
<td>7&quot;</td>
<td>17</td>
<td>342'</td>
<td>Portland</td>
<td>45</td>
<td>None</td>
</tr>
<tr>
<td>Production</td>
<td>6 1/4&quot;</td>
<td>4 1/2&quot;</td>
<td>10.5</td>
<td>1741'</td>
<td>API Class &quot;A&quot;</td>
<td>70</td>
<td>2% CaCl2, 2% Halad 344</td>
</tr>
</tbody>
</table>

Perforation Record

Specify footage of each interval perforated

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specified Footage of Each Interval Perforated</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1596-1630'</td>
</tr>
</tbody>
</table>

Tubing Record

N/A

Date of First Production

SI WOPL

Estimated Production Per 24 Hours

Oil: Bbls.
Gas: Mcf
Water: Bbls.
Gas-Oil Ratio
Gravity

Disposition of Gas:

□ Vented  ❌ Sold  ❌ Used on Lease
(if vented, submit ACD-18.)

□ Open Hole  ❌ Perforation  ❌ Dually Completed  ❌ Commingled
□ Other (Specify)

Well is presently SI, waiting on pipeline.
**WORK ORDER CONTRACT**

**AND PRE-TREATMENT DATA**

**DISTRICT:**

**TO:** HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE TO INSTALL AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO:

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 34131-1 LEASE: "Hawk 73-21" SEC. 341 TWP. ___________ RANGE 42

FIELD: ___________ COUNTY: Cheshire STATE: CT OWNED BY: ___________

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

<table>
<thead>
<tr>
<th>FORMATION NAME</th>
<th>TYPE</th>
<th>FORMATION THICKNESS</th>
<th>FROM</th>
<th>TO</th>
<th>NEW-USED</th>
<th>WEIGHT</th>
<th>SIZE</th>
<th>FROM</th>
<th>TO</th>
<th>MAX. ALLOW.</th>
</tr>
</thead>
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<tr>
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<td></td>
<td></td>
<td>1/4</td>
<td></td>
<td></td>
<td>17,35/1500</td>
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</tbody>
</table>

Packer: TYPE SET AT ___________

TOTAL DEPTH: ___________ MUD WEIGHT: ___________

BORE HOLE: ___________

INITIAL PROD: OIL _______ B.P.D. H₂O _______ B.P.D. GAS _______ MCF _______

PRESENT PROD: OIL _______ B.P.D. H₂O _______ B.P.D. GAS _______ MCF _______

PREVIOUS TREATMENT: DATE: _______ TYPE: _______ MATERIALS: _______

TREATMENT INSTRUCTIONS: TREAT THRU TUBING __ ANNULUS __ CASING __ TUBING/ANNULUS __ HYDRAULIC HORSEPOWER ORDERED

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMPLETED.

a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.

b) To defend, indemnify and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:

1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), irrespective of any limitation to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure loss, control of the well and/or a well blowout, or the use of radioactive materials.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.

d) That Halliburton shall only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing unless such loss or damage is caused by the sole negligence of Halliburton.

f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.

g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED: ____________________________

DATE: ____________________________

TIME: 8:00 A.M. E.D.T.

CUSTOMER

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.
<table>
<thead>
<tr>
<th>CHART NO</th>
<th>TIME (Hr. Min.)</th>
<th>RATE (BPM)</th>
<th>VOLUME (BBL)</th>
<th>PRESSURE (PSI)</th>
<th>DESCRIPTION OF OPERATION AND MATERIALS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14:30</td>
<td></td>
<td></td>
<td></td>
<td>called out</td>
</tr>
<tr>
<td></td>
<td>20:30</td>
<td></td>
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<td></td>
<td>and set up</td>
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<td>CONFIDENTIAL</td>
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</tr>
<tr>
<td></td>
<td>23:55</td>
<td>8</td>
<td>20</td>
<td></td>
<td>Pump CLA-Flx water</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8</td>
<td>12</td>
<td></td>
<td>400</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>&quot;    And Flash</td>
</tr>
<tr>
<td></td>
<td>6:07</td>
<td>14:31</td>
<td>1</td>
<td></td>
<td>Mix Cut.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>200</td>
<td>shut down - wash up - drop plug</td>
</tr>
<tr>
<td></td>
<td>8-10</td>
<td></td>
<td></td>
<td></td>
<td>Start Disp.</td>
</tr>
<tr>
<td></td>
<td>3-1</td>
<td></td>
<td></td>
<td></td>
<td>Slow Rate</td>
</tr>
<tr>
<td></td>
<td>10:18</td>
<td>1/2</td>
<td></td>
<td></td>
<td>Plug Down - Pressure to 1500 psi.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1500</td>
<td>Hold 2 min.</td>
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<td></td>
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<td></td>
<td>Release psi. (Float Held)</td>
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<tr>
<td></td>
<td>00:20</td>
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</tr>
</tbody>
</table>

Rig Down   
End of Job

FEB 4 1991

STATE CORPORATION COMMISSION  
CONSERVATION DIVISION  
Wichita, Kansas

Thank you Sir.

[Signature]
# JOB SUMMARY

**WELL DATA**

- **FIELD:** 
- **WELL DATA:**  
  - **FORM NAME TYPE:** 
  - **FORMATION THICKNESS FROM TO:** 
  - **INITIAL PROD. OIL:** 
  - **PRESENT PROD. OIL:** 
  - **COMPLETION DATE:** 
  - **MUD TYPE:** 
  - **PAKKER TYPE:** 
  - **BOTTOM HOLE TEMP.:** 
  - **TOTAL DEPTH:** 1812'

**TOOLS AND ACCESSORIES**

- **FLOAT COLLAR MAKE:** 
- **FLOAT SHOE:** 
- **GUIDE SHOE:** 
- **CENTRALIZERS:** 
- **BOTTOM PLUG:** 
- **TOP PLUG:** 
- **HEAD:** 
- **RACKER:** 
- **OTHER:**

**MATERIALS**

- **TREAT. FLUID DENSITY, LB/GAL:** 
- **DISPL. FLUID DENSITY, LB/GAL:** 
- **PROP. TYPE SIZE, LB:** 
- **PROP. TYPE SIZE, LB:** 
- **ACID TYPE GAL:** 
- **ACID TYPE GAL:** 
- **SURFACTANT TYPE GAL:** 
- **NE AGENT TYPE GAL:** 
- **FLUID LOSS ADD. TYPE GAL-LB:** 
- **GELING AGENT TYPE GAL-LB:** 
- **FRAC. RED. AGENT TYPE GAL-LB:** 
- **BREAKER TYPE GAL-LB:** 
- **BLOCKING AGENT TYPE GAL-LB:** 
- **PERF. BALLS QTY:** 
- **OTHER:** 

**CEMENT DATA**

- **STAGE NUMBER OF SACKS CEMENT BRAND BULK SACKED ADDITIVES YIELD CU/FT/SK MIXED LBS/GAL:**
  - **A 70 Premium B 0% CaCl2, 2% H2O - 34° 1.15 15.8**

**PRESSURES IN PSI**

- **CIRCULATING DISPLACEMENT:** 
- **BREAKDOWN MAXIMUM:** 
- **AVERAGE FRACTURE GRADIENT:** 
- **SHUT-IN INSTANT:** 15 MIN. 
- **HYDRAULIC HORSEPOWER:** 
- **ORDERED AVAILABLE USED:** 
- **AVERAGE RATES IN BPM:** 
- **TREATING 6-7 DISP. 6-11 OVERALL 8**
- **CEMENT LEFT IN PILE:** 36.3'
- **REASON:** shoe joint

**SUMMARY**

- **VOLUMES**
  - **PRESLUSH BBL-GAL:**
  - **LOC. BKGDN BBL-GAL:**
  - **TREATMENT BBL-GAL:**
  - **CEMENT SLURRY BBL-GAL:**
  - **TOTAL VOLUME BBL-GAL:**

**REMARKS**

- **Float Hold**
- **SEE Job Log**

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**CUSTOMER**