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. Abandon
Gas  SI  Inj  Delayed Completion
Dry  Other (Core, Water Supply, etc.)

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

Drilling Method:
X Mud Rotary  Air Rotary  Cable

11-14-90  11-15-90  12-19-90
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-41
form with all plugged wells. Submit CP-111 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

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

Notary Public


C:
KCC:
KGS:
NGPA:

Distribution:

Letter of Confidentiality Attached
Wireline Log Received
Drillers Time log Received

(Specify)
Operator Name: Hillin-Simon Oil Company

Lease Name: Viola 505

Well #: 17-10-1

County: Cheyenne

Sec. 17 Twp. 26 Rge. 41

East

West

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.

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

☐ Log ☑ Sample

Name: Niobrara

(Top Beecher Island Zone)

1503' 1538'

CASING RECORD

☐ New ☑ Used

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>261'</td>
<td>Portland</td>
<td>35</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>1695'</td>
<td>API Class &quot;A&quot;</td>
<td>70</td>
<td>2% CaCl₂ &amp; 2% Halad</td>
</tr>
</tbody>
</table>

PERFORATION RECORD

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specify Footage of Each Interval Perforated</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1504-1536'</td>
<td>32,000 gal 25# gelled water &amp; 94,000 lb sand &amp; 60 tons CO₂</td>
</tr>
</tbody>
</table>

TUBING RECORD

N/A

Size

Set At

Packer At

Liner Run

☐ Yes ☑ No

Date of First Production

Producing Method

☐ Flowing ☑ Pumping ☑ Gas Lift ☐ Other (Explain)

ST WOPL

Estimates Production Per 24 Hours

<table>
<thead>
<tr>
<th>Oil Bbls.</th>
<th>Gas Mcf</th>
<th>Water 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 ☑ Perforation ☐ Dually Completed ☐ Commingled

☐ Other (Specify)

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

**AND PRE-TREATMENT DATA**

**HALLIBURTON SERVICES**

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO:

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

(CUSTOMER)

**KANSAS**

**Cheyenne**

**17-10-25**

**WELL NO.**

**LEASE**

**SEC. 17**

**TWP. 25**

**RANGE 41**

**FIELD**

**COUNTY**

**STATE**

**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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PACKER TYPE</th>
<th>SET AT</th>
<th>TOTAL DEPTH</th>
<th>MUD WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BORE HOLE</th>
<th>INITIAL PROD:</th>
<th>PRESENT PROD:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OIL, BPD, H2O</td>
<td>BPD, H2O, GAS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATERIALS</th>
<th>TREATMENT INSTRUCTIONS: TREAT THRU TUBING □ ANNULUS □ CASING □ TUBING/ANNULUS □ HYDRAULIC HORSEPOWER ORDERED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(cement 70-lb. blend, 80 skaff, 7.5% chamfer, 100% cement.)</td>
</tr>
</tbody>
</table>

**CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES.**

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED.

a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable 30th of the following month after date of invoice, after 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 after default at a prime rate plus 2% additional. The prime 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 legal expenses in the amount of 20% of the amount of the unpaid account.

b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and subcontractors from and against any claim, 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), including, but not limited 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 pressures 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 pressures, lessening 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, equipment, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the propagation, design, manufacture, distribution, or marketing or 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 short 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 warrants only 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 or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the loading until returned to the binding, 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 laws 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 THEREFORE AUTHORIZED TO SIGN THE RELEVANT PAGE OF THIS CUSTOMER'S AGENT.

SIGNER

DATE

TIME

11-16-90

1100 A.M. P.M.
<table>
<thead>
<tr>
<th>CHART NO.</th>
<th>TIME</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>0700</td>
<td></td>
<td></td>
<td></td>
<td>Called Out</td>
</tr>
<tr>
<td></td>
<td>0810</td>
<td></td>
<td></td>
<td></td>
<td>On Location Confidential</td>
</tr>
<tr>
<td>1100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Safety Meeting</td>
</tr>
<tr>
<td>1325</td>
<td>60</td>
<td>32</td>
<td></td>
<td></td>
<td>Water Ahead</td>
</tr>
<tr>
<td>1326</td>
<td>1.5</td>
<td>14</td>
<td></td>
<td></td>
<td>Mix Cement</td>
</tr>
<tr>
<td>1334</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Flush Lines</td>
</tr>
<tr>
<td>1344</td>
<td>3</td>
<td>27</td>
<td></td>
<td></td>
<td>Release Top Plug</td>
</tr>
<tr>
<td>1400</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Start Dispatch</td>
</tr>
<tr>
<td>1352</td>
<td></td>
<td></td>
<td></td>
<td>400</td>
<td>Plug Down</td>
</tr>
<tr>
<td>1355</td>
<td></td>
<td></td>
<td></td>
<td>1500</td>
<td>Pressure Up</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Release Pressure Float Hold</td>
</tr>
<tr>
<td>1400</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Trucks Released</td>
</tr>
</tbody>
</table>

FEB 4 1991

CONSERVATION DIVISION
Wichita, Kansas

Thanks
John, Rick & Dan