WELL LOG

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  X Yes  ■ No
Samples Sent to Geological Survey  X Yes  ■ No
Cores Taken  ■ Yes  ■ No

L/Kc 3192' to 3200' Lst, wh to tan with some pp porosity with some stain. Eval. poor.
Arb. 3388' to 3400' Dolomite, cr. crystalline with oil show.

DST #1 3368' - 3400' Times 30"-60"-40"-90" 1st opening: Wk blow 4" in bucket. 2nd opening: Wk blow 2" in bucket (Pkr. failure while into 2nd opening) Rec. 496' oil cut mud. Pressures: THP 1807#, ICFP no reading, ICIP 969#, FPP 56# to 75#,
DST #2: 3378' to 3400', Times: 30"-60"-45"-90"; 1st opening: wk blow to 3" in bucket; 2nd opening: wk blow building to 3" in bucket; Rec. 130' gassy, oil cut mud. Pressures: IHP 1807#, ICFP 38#, FCIP 932#, PHP 1770#, Temp 98°.

CASING RECORD  ■ New  ■ Used

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

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole</th>
<th>Size Casing</th>
<th>Weight Drilled</th>
<th>Setting</th>
<th>Type of Cement</th>
<th>% Sacks</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWIRL 38&quot;</td>
<td>122.0</td>
<td>8.14&quot;</td>
<td>1218.0 Lbs/Ft.</td>
<td></td>
<td>AD JAC</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>PERFORATION</td>
<td>17.5&quot;</td>
<td>8.14&quot;</td>
<td>1218.0 Lbs/Ft.</td>
<td></td>
<td>AD JAC</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

PERFORATION RECORD

Shots Per Foot  Specify Footage of Each Interval Perforated
.A  from 3391' to 3393'

Acid, Fracture, Shot, Cement Squeeze Record

(Not a kind and kind of material used) Depth

TUBING RECORD

Size  Set At  Packer at  Depth Hole  @  443' No XX
2 3/8"  3325'  DEEP 2/2

Date of First Production  December 12, 1987

Producing Method
■ Flowing  X Pumping  □ Gas Lift  □ Other (explain)....

Estimated Production
Per 24 Hours
Oil  7  Bbls
Gas  0  MCF
Water  6  Bbls
Gas-Oil Ratio  33-660
Gravity

METHOD OF COMPLETION

Disposition of gas:  □ Vented  ■ Sold  □ Used on Lease

Production Interval

X Open Hole  ■ Perforation  □ Other (Specify)...
3391'-2428'

□ Dually Completed  □ Commingled
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: [Name]
Street: [Address]
City: [City]
State: [State]
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.: [Order Number]

CEMENT

<table>
<thead>
<tr>
<th>Amount</th>
<th>Ordered</th>
<th>Consisting of</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common</td>
<td>Poz. Mix</td>
<td>Gel.</td>
</tr>
<tr>
<td>Chloride</td>
<td>Quickset</td>
<td>Sales Tax</td>
</tr>
<tr>
<td>Handling</td>
<td>[Amount]</td>
<td>Mileage</td>
</tr>
<tr>
<td>[Amount]</td>
<td>Sub Total</td>
<td>Floating Equipment</td>
</tr>
<tr>
<td>[Amount]</td>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>

DEPTH of Job

<table>
<thead>
<tr>
<th>Reference</th>
<th>[Depth]</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Depth]</td>
<td>[Depth]</td>
</tr>
<tr>
<td>[Depth]</td>
<td>[Depth]</td>
</tr>
</tbody>
</table>

Sub Total

Total

Remarks:

- Run long cement surface to [Depth], good increase all the way down.
GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- TERMS: Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate. Any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, "Allied" and "Customer" agree that Kansas law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

- PRICES AND TAXES: All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

- TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

- PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

- DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- SERVICE CONDITIONS AND LIABILITIES: 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

A. Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

B. Oil spills, pollution, surface or subsurface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.
TEMPERATURE SURVEYS

Send the following information with temperature survey charts:

Date 7-14-83 Place Plainville G 2 N 1 W 1/2 S 1 E W

Company Name Van Max Order No._______________________

Mailing Address 212 N Market City Wichita State Kansas

Owner of Well Van Max Contractor C & L Well Service

Well No. #1 Farm Mady County Parks Sec. 8 Twp. 8 Rge. 18

Depth of Depth of New Size 5 1/2 Size of Hole 7 7/8
Well 3428 Casing 2400 or Used Weight_____________________

Survey From 0' To 1400'

Van Max. Mady U /1

DELIVERED
STATE CORPORATION COMMISSION
7/27/1983
11/9/1983
Wichita, Kansas
COLUMBIA GAS DEVELOPMENT CORP
OPERATOR

8-1
Maddy
FARM

Rooks
COUNTY
S 8 T 8s 18w
LOCATION

330' FNl 330' FEL of Section

ELEVATION: 1934 ft

COLUMBIA GAS DEVELOPMENT CORPORATION
P. O. Box 1350
Houston, Texas 77251

AUTHORIZED BY: Lynn Roque

SCALE: 1" = 1000'

5' iron rod & 1' wood stake in moderately sloping pasture
flag & ingress E
no domestic or municipal water wells within 330' or 1 mile respectively

3 1/2 miles N, 3 1/2 miles E to "Stockton"

SEP 11 1987
Wichita, Kansas