

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

Operator: License # 5259  
Name: Mai Oil Operations, Inc.  
Address: P.O. Box 33  
City/State/Zip: Russell, KS 67665  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Allen Bangert  
Phone (913): 483-2169  
Contractor: Name: Vonfeldt Drilling Company  
License: 9431  
Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIGW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, VSM, Expt., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
Deepening  Re-perf.  Conv. to Inj/SWD   
Plug Back  PSTD   
Commingled  Bucket No. \_\_\_\_\_  
Dual Completion  Bucket No. \_\_\_\_\_  
Other (SWD or Inj?)  Bucket No. \_\_\_\_\_  
8/2/93 8/10/93 8-27-93  
Spud Date Date Reached TD Completion Date

API NO. 15- 051-24851 24 841-00-00  
County Ellis  
 S/2  NW  NE Sec. 6 Twp. 11S Rge. 20  E/W  
990' Feet from S/N (circle one) Line of Section  
1980' Feet from E/W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)  
Lease Name Richards Well # 4  
Field Name Mendota  
Producing Formation Arbuckel  
Elevation: Ground 2039' KS 2044'  
Total Depth 3730' PSTD \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 216' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1490'  
feet depth to surface w/ 300 oz. cnt.

Drilling Fluid Management Plan ALT 2 27 12-22-93  
(Data must be collected from the Reserve Pit)  
Chloride content 36,000 ppm Fluid volume 300 bbls  
Desulfuring method used Left to dry  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Rng. \_\_\_\_\_ E/W  
County \_\_\_\_\_ Bucket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-6 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 Allen Bangert  
Title PROD. SUPT. Date 11-3-93  
Subscribed and sworn to before me this 3<sup>rd</sup> day of November  
19 93.  
Notary Public Rita M. Clenney  
Date Commission Expires December 17, 1995

K.C.C. OFFICE USE ONLY  
RECEIVED  
Letter of Confidentiality Attached   
Wireline Log Received   
Geologist Report Received   
11-5-1993 NOV 05 1993  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  OIL CONSERVATION DIVISION  
Wichita, KS (Specify)

RITA M. CLENNEY  
Notary Public - State of Kansas  
My Appt. Exp 12-17-95

Operator Name MAI OIL OPERATIONS, INC. Lease Name RICHARDS Well #     

Sec. 6 Twp. 11 Rge. 20  East  West  
 County ELLIS

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time test 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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

| Log          | Formation (Top), Depth and Returns | Sample |
|--------------|------------------------------------|--------|
| Name         | Top                                | Datum  |
| ANHYDRITE    | 1501                               | 543    |
| TOPEKA       | 3079                               | ±1035  |
| HEEBNER      | 3283                               | ±1239  |
| TORONTO      | 3303                               | -1259  |
| LKC          | 3322                               | -1278  |
| BKC          | 3546                               | -1502  |
| MARMATON     | 3575                               | -1531  |
| CONGLOMERATE | 3604                               | -1560  |
| SIMPSON      | 3634                               | -1574  |
| ARBuckle     | 3641                               | -1597  |

List All E. Logs Run:  
 DUAL INDUCTION, COMPENSATED NEUTRON DENSITY

**CASING RECORD**  New  Used

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

| Purpose of String | Size Hole Drilled | Size Casing Set (in O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement            | # Sacks Used | Type and Percent Additives |
|-------------------|-------------------|---------------------------|-----------------|---------------|---------------------------|--------------|----------------------------|
| SURFACE           | 12+               | 8 5/8                     | 28              | 216           | 60-40POZ<br>2% gel, 3% cc | 160          |                            |
| PRODUCTION        | 7 7/8             | 5+                        | 14              | 3728          | 60-40POZ                  | 200          | 2% gel, 10% salt, #1       |

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

| Purpose:   | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|--|------------------|----------------|-------------|----------------------------|
| <input checked="" type="checkbox"/> Perforate<br><input checked="" type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone | surface<br>1490  | 60-40 noz      | 300         |                            |

| Shots Per Foot | 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 |
|----------------|--|--|-------|
| 4              | 3666-69  | 1500 gal HCl   |       |
| 4              | 3647-50  | 500 gal HCl  |       |
| 4              | 3641-44  | 500 gal hcl  |       |

| TUBING RECORD | Size  | Set At | Packer At | Liner Run | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|---------------|-------|--------|-----------|-----------|--|
|               | 2 7/8 | 3670   |           |           |  |

Date of First Resumed Production, GSW or Inj. 9-5-93 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

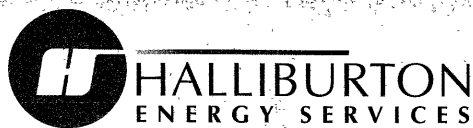
| Estimated Production Per 24 Hours | Oil | Bbls. | Gas | Mcf | Water | Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----|-------|-----|-----|-------|-------|---------------|---------|
|                                   | 25  |       |     |     | 150   |       |               |         |

Disposition of Gas:  Vented  Sold  Used on Lease (if vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perf.  Dually Comp.  Cemented 3641-69

Other (Specify) \_\_\_\_\_



COPY  
**TICKET CONTINUATION** 15-051-24841-00-00  
 TICKET No. 512256

|                                   |                            |                        |                  |                |
|-----------------------------------|----------------------------|------------------------|------------------|----------------|
| CUSTOMER<br><b>Mai Operations</b> | WELL<br><b>Richards #4</b> | DATE<br><b>8-24-93</b> | PAGE<br><b>2</b> | OF<br><b>2</b> |
|-----------------------------------|----------------------------|------------------------|------------------|----------------|

FORM 1911 R-8

| PRICE REFERENCE   | SECONDARY REFERENCE / PART NUMBER | ACCOUNTING |      |    | TIME | DESCRIPTION               | QTY. |    | U/M |              | UNIT PRICE | AMOUNT  |        |
|-------------------|-----------------------------------|------------|------|----|------|---------------------------|------|----|-----|--------------|------------|---------|--------|
|                   |                                   | LOC        | ACCT | DF |      |                           |      |    |     |              |            |         |        |
| 504-316           |                                   | 1          |      | B  |      | Halliburton Light Cement  | 200  |    |     |              | 6.30       | 1260.00 |        |
| 504-136           |                                   | 1          |      | B  |      | 40/60 Pozmix Cement       | 100  |    |     |              | 5.55       | 555.00  |        |
| <del>XXXXXX</del> |                                   |            |      |    |      |                           |      |    |     |              |            |         |        |
| 509-406           | 890.50812                         | 1          |      | B  |      | Calcium ChloXride Blended | 3    |    |     |              | 28.25      | 84.75   |        |
| 507-210           | 890.50071                         | 1          |      | B  |      | Flocele Blended W/ 200HLC | 25   | 1b |     |              | 1.40       | 35.00   |        |
| 510-322           | 516.00051                         | 2          |      | B  |      | Sand 20/40 Brady on sideq | 2    |    |     |              | 9.30       | 18.60   |        |
| 500-207           |                                   | 1          |      | B  |      | SERVICE CHARGE            |      |    |     | CUBIC FEET   | 310        | 1.25    | 387.50 |
| 500-306           |                                   | 1          |      | B  |      | MILEAGE CHARGE            |      |    |     | TOTAL WEIGHT | 26,825     |         |        |
|                   |                                   |            |      |    |      | LOADED MILES              | 33   |    |     | TON MILES    | 442.613    | .85     | 376.22 |

RECEIVED  
 STATE CORPORATION COMMISSION  
 NOV 05 1993  
 CONSERVATION DIVISION

**CONTINUATION TOTAL** 2,717.07



## TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. **CUSTOMER REPRESENTATION** - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. **PRICE AND PAYMENT** - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. 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 has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest 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 account, plus all collection and court costs.

C. **RELEASE AND INDEMNITY** - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. **EQUIPMENT LIABILITY** - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. **LIMITED WARRANTY** - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. **GOVERNING LAW** - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. **WAIVER** - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. **MODIFICATIONS** - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



JOB LOG FORM 2013 R-3

|                             |                |                  |                  |                      |
|-----------------------------|----------------|------------------|------------------|----------------------|
| CUSTOMER<br>9770 Operations | WELL NO.<br>#4 | LEASE<br>Richard | JOB TYPE<br>Tool | TICKET NO.<br>512256 |
|-----------------------------|----------------|------------------|------------------|----------------------|

| CHART NO. | TIME  | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS   |
|-----------|-------|------------|--------------------|-------|---|----------------|--------|--|
|           |       |            |                    | T     | C | TUBING         | CASING |  |
|           | 07:30 |            |                    |       |   |                |        | Called Out (5' RB)   |
|           | 10:00 |            |                    |       |   |                |        | On Loc. ORIGINAL<br>Makeup Tool  |
|           | 12:45 |            |                    |       |   |                |        | Start 58' RBP in Hole on 2 1/2" Tbg<br>Set RBP @ 3130' 1/2" 24" in hole top<br>Load Hole<br>Pull Oversight on Pkg @ 1490' (3Hh.)   |
|           | 0830  |            |                    |       |   |                |        | on Loc 8-24-92 w/ Pit. + cement<br>- c/p Rtl's + 25 kts sand.<br>200 sks HIC 1/2" Flacko/ck<br>100 sks 40/60 Bar 2 1/2 gal 3 1/2 cc<br>200 gal Flacko-31<br>set up + Place Job |
|           | 0930  |            |                    |       |   |                |        | Rig on Loc - Rig up to Run PKR   |
|           | 0950  |            |                    |       |   |                |        | St Rtl's in Hole on 2 1/2" Tbg   |
|           | 10:15 |            | 1/2                |       |   | 1500#          |        | Rtl's set @ 1949' total tools OK   |
|           | 10:55 |            | 7                  |       |   |                |        | set 25 kts sand @ 1949' in 7 BBL out   |
|           | 11:45 |            |                    |       |   | 300#           |        | Rtl's @ 1365' PSI 2000' OK   |
|           |       | 2          |                    |       |   | 100#           |        | Take up Rate by 2 RBP - Band on Hand Blank<br>Start 3 BBLs F/W spacer  |
|           |       |            | 3                  |       |   |                |        | Start 200 gal Flacko 21 - Band made  |
|           |       |            | 4.76               |       |   | 200#           |        | Start 3 BBLs F/W spacer vol. of F/W LK   |
|           | 11:57 | 4 1/2      |                    |       |   | 200            |        | Start 200 sks HIC 1/2" Flacko  |
|           |       |            |                    |       |   |                |        | Start 100 sks 40/60 Bar 2 1/2 gal 3 1/2 cc   |
|           | 12:15 |            |                    |       |   | 600#           |        | F/W mix, washout Pump 11<br>Start P up (1 1/2" up 7.50<br>Pst up<br>10.75 BBL total  |
|           |       |            |                    |       |   | 1000#          |        |  |
|           |       | 9/2        |                    |       |   | 500#           |        | 9/2 BBLs Disp out, Start in<br>washup Equip  |
|           | 13:35 |            |                    |       |   | 50#            |        | Pst Back away  |
|           | 13:50 |            |                    |       |   |                |        | Release to talk Day  |
|           | 14:00 | 2 1/2      | 12                 |       |   | 150#           |        | Release PKR + Pull 5' St.  |
|           | 14:08 |            |                    |       |   | 25#            |        | PKR @ 1215' 75' STAFF CORPORATION COMMISSION<br>shut down For the Day  |
|           | 15:00 |            |                    |       |   |                |        | NOV 03 1993<br>CONSERVATION DIVISION<br>Wichita, Kansas<br>01/17   |

**JOB SUMMARY**

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

*M. d. Co. 15-051-24841-00-00*  
*Hay, Ks*

BILLED ON TICKET NO. *512256*

**WELL DATA**

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY *Ellis* STATE *Ks*

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA *RRP 3130* TOTAL DEPTH \_\_\_\_\_

|              | NEW USED | WEIGHT | SIZE         | FROM        | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|--------------|-------------|----|-----------------------|
| CASING       | <i>U</i> |        | <i>5 1/2</i> |             |    |                       |
| LINER        |          |        |              |             |    |                       |
| TUBING       | <i>U</i> |        | <i>2 3/8</i> |             |    |                       |
| OPEN HOLE    |          |        |              |             |    | SHOTS/FT.             |
| PERFORATIONS |          |        |              | <i>1450</i> |    |                       |
| PERFORATIONS |          |        |              |             |    |                       |
| PERFORATIONS |          |        |              |             |    |                       |

**JOB DATA**

**TOOLS AND ACCESSORIES**

| TYPE AND SIZE | QTY. | MAKE |
|---------------|------|------|
| FLOAT COLLAR  |      |      |
| FLOAT SHOE    |      |      |
| GUIDE SHOE    |      |      |
| CENTRALIZERS  |      |      |
| BOTTOM PLUG   |      |      |
| TOP PLUG      |      |      |
| HEAD          |      |      |
| PACKER        |      |      |
| OTHER         |      |      |

| CALLED OUT          | ON LOCATION         | JOB STARTED         | JOB COMPLETED       |
|---------------------|---------------------|---------------------|---------------------|
| DATE <i>8-21-93</i> | DATE <i>8-23-93</i> | DATE <i>8-23-93</i> | DATE <i>8-24-93</i> |
| TIME <i>09:40</i>   | TIME <i>10:00</i>   | TIME <i>12:30</i>   | TIME <i>1:00</i>    |

**PERSONNEL AND SERVICE UNITS**

| NAME               | UNIT NO. & TYPE   | LOCATION       |
|--------------------|-------------------|----------------|
| <i>S Becker</i>    | <i>Tool 40071</i> | <i>Hay, Ks</i> |
| <i>A Z...</i>      | <i>...</i>        |                |
| <i>R...</i>        | <i>...</i>        |                |
| <i>Gay Blasing</i> | <i>31K 51252</i>  |                |

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER *100 gal Fluid at*

DEPARTMENT *Tools*

DESCRIPTION OF JOB *Run 53' RRP*

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE **X** *Allen Baugert*

HALLIBURTON OPERATOR *John E Becker*

COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

| STAGE | NUMBER OF SACKS | CEMENT       | BRAND       | BULK SACKED | ADDITIVES               | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|--------------|-------------|-------------|-------------------------|------------------|-----------------|
|       | <i>200</i>      | <i>HCC</i>   | <i>Port</i> |             | <i>1/3 # fluid / sk</i> | <i>1.57</i>      | <i>12.1</i>     |
|       | <i>100</i>      | <i>45/60</i> | <i>B</i>    |             | <i>2 3/4 # 1 3/4 cc</i> | <i>1.27</i>      | <i>11.3</i>     |

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. *200* TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL.: BBL.-GAL. *7290.16*

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. *42.61*

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

**REMARKS**

*See Job Log*  
*John E Becker*  
*John*

RECEIVED  
STATE CORPORATION COMMISSION  
NOV 05 1993  
CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER: *M. d. Co.*  
LEASE: *...*  
WELL NO.: *15-051-24841-00-00*  
JOB TYPE: *RRP*  
DATE: *8-24-93*







## TERMS AND CONDITIONS

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. 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 has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest 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 account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole 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, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. 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 EQUIPMENT, MATERIALS, 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 GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



**HALLIBURTON**  
ENERGY SERVICES

ORIGINAL

15-051-24841-00-00

COPY

TICKET CONTINUATION

TICKET No. **11-5-1993**

CUSTOMER **Mai Operations** WELL **Richards #4** DATE **8-2-93** PAGE **1** OF **5**

FORM 1911 R-8

| PRICE REFERENCE   | SECONDARY REFERENCE/PART NUMBER | ACCOUNTING |      |    | TIME | DESCRIPTION              | QTY. |     | U/M |                 | UNIT PRICE        | AMOUNT   |          |
|-------------------|---------------------------------|------------|------|----|------|--------------------------|------|-----|-----|-----------------|-------------------|----------|----------|
|                   |                                 | LOC        | ACCT | DF |      |                          | QTY. | U/M |     |                 |                   |          |          |
| 504-136           |                                 | 1          |      | B  |      | 40/60 Pozmix Standard    | 160  |     |     |                 |                   |          |          |
| 509-406 890.50812 |                                 | 1          |      | B  |      | Calcium Chloride Blended | 4    |     |     | 28   25         | 113   00          |          |          |
| 500-207           |                                 | 1          |      | B  |      | SERVICE CHARGE           |      |     |     | CUBIC FEET 168  | 1   25            | 141   25 |          |
| 500-306           |                                 | 1          |      | B  |      | MILEAGE CHARGE           |      |     |     | LOADED MILES 33 | TON MILES 230.934 | 185      | 196   29 |

CONTINUATION TOTAL **1,338 54**

STATE OF MISSISSIPPI  
REGISTRATION COMMISSION  
NOV 03 1993  
DIVISION OF REVENUE

**JOB SUMMARY**

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

15-051-24871-00-00  
HASKS

BILLED ON TICKET NO. 22140

**WELL DATA**

FIELD \_\_\_\_\_ SEC. C TWP. 11s RNG. 20w COUNTY Osage STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

|              | NEW USED | WEIGHT | SIZE  | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|----|-----------------------|
| CASING       | u        |        | 5 7/8 | 0    |    |                       |
| LINER        |          |        |       |      |    |                       |
| TUBING       | u        |        | 1 3/4 |      |    |                       |
| OPEN HOLE    |          |        |       |      |    | SHOTS/FT.             |
| PERFORATIONS |          |        |       |      |    |                       |
| PERFORATIONS |          |        |       |      |    |                       |
| PERFORATIONS |          |        |       |      |    |                       |

**JOB DATA**

**TOOLS AND ACCESSORIES**

| TYPE AND SIZE          | QTY.     | MAKE        |
|------------------------|----------|-------------|
| FLOAT COLLAR           |          |             |
| FLOAT SHOE             |          |             |
| GUIDE SHOE             |          |             |
| CENTRALIZERS           |          |             |
| BOTTOM PLUG            |          |             |
| TOP PLUG <u>LQ 5/8</u> | <u>1</u> | <u>WAKO</u> |
| HEAD                   |          |             |
| PACKER                 |          |             |
| OTHER                  |          |             |

| CALLED OUT:      | ON LOCATION:    | JOB STARTED: | JOB COMPLETED: |
|------------------|-----------------|--------------|----------------|
| DATE <u>7-2</u>  | DATE <u>9-2</u> | DATE         | DATE           |
| TIME <u>1000</u> | TIME            | TIME         | TIME           |

**PERSONNEL AND SERVICE UNITS**

| NAME            | UNIT NO. & TYPE | LOCATION     |
|-----------------|-----------------|--------------|
| <u>J W Reno</u> | <u>41029</u>    | <u>25525</u> |
| <u>G Basso</u>  | <u>3204</u>     | <u>25525</u> |
| <u>D Darrow</u> | <u>B0022</u>    | <u>"</u>     |

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Cement

DESCRIPTION OF JOB Surface Pipe

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X Allen Bantz

HALLIBURTON OPERATOR Jim Reno COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

| STAGE    | NUMBER OF SACKS | CEMENT      | BRAND | BULK SACKED | ADDITIVES  | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----------|-----------------|-------------|-------|-------------|------------|------------------|-----------------|
| <u>1</u> | <u>100</u>      | <u>4400</u> |       | <u>5</u>    | <u>300</u> | <u>1.25</u>      | <u>14.15</u>    |

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL.: BBL.-GAL. 12

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 36

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_ CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 15 REASON Flow

**RAMARKS**

RECEIVED  
STATE CORPORATION COMMISSION  
NOV 05 1993  
11-5-1993  
CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER: Oil Services  
LEASE: Wichita  
WELL NO.: 4  
JOB TYPE: Flow  
DATE: \_\_\_\_\_



ORIGINAL

JOB LOG FORM 2013 R-3

|                      |               |                  |                  |                      |
|----------------------|---------------|------------------|------------------|----------------------|
| CUSTOMER<br>MAI Odeh | WELL NO.<br>4 | LEASE<br>Remarks | JOB TYPE<br>Surf | TICKET NO.<br>512144 |
|----------------------|---------------|------------------|------------------|----------------------|

| CHART NO. | TIME  | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS      |
|-----------|-------|------------|--------------------|-------|---|----------------|--------|---|
|           |       |            |                    | T     | C | TUBING         | CASING |   |
|           | 13:00 |            |                    |       |   |                |        | ON LOG - Rig Drilling<br>Failure Safety Mg. |
|           | 14:00 |            |                    |       |   |                |        | Break Circ. / mud log                       |
|           | 14:12 | 6          | 0                  |       |   | 200            |        | Mud Control                                 |
|           | 14:18 | 6          | 35                 |       |   | 300            |        | Break Mating<br>Drop Plug                   |
|           | 14:21 | 6          | 0                  |       |   | 300            |        | Stop Displacement                           |
|           | 14:22 | 6          | 134                |       |   | 250            |        | Plug down<br>Circ. 1 Mts Control Pt         |
|           |       |            |                    |       |   |                |        | Job Complete<br>Thank You<br>Jim Raw        |

RECEIVED  
STATE MINERATION COMMISSION  
NOV 05 1993  
11-5-1993  
CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER

15-051-24841-00-00



COPY

TICKET

CHARGE TO: Mail Operations  
 ADDRESS: ORIGINAL  
 CITY, STATE, ZIP CODE:

No.

51215

PAGE 1 OF 1

RECEIVED  
 NOV 8 5 1993  
 STATE OF KANSAS  
 CONSERVATION DIVISION  
 11-5-1993

FORM 1906 R-12

|   |  |   |                                   |                    |                          |                                  |                      |
|---|--|---|-----------------------------------|--------------------|--------------------------|----------------------------------|----------------------|
| SERVICE LOCATIONS<br>1. <u>Hays Ks 025525</u> | WELL/PROJECT NO.<br><u># 41</u>                            | LEASE<br><u>Richards</u>  | COUNTY/PARISH<br><u>Ellis</u>     | STATE<br><u>Ks</u> | CITY/OFFSHORE LOCATION   | DATE<br><u>8-10-93</u>           | OWNER<br><u>Same</u> |
| 2.  | TICKET TYPE<br><input checked="" type="checkbox"/> SERVICE | NITROGEN JOB?<br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO | CONTRACTOR<br><u>Vonfeldt Oil</u> | RIG NAME/NO.       | SHIPPED VIA<br><u>CT</u> | DELIVERED TO<br><u>Well Site</u> | ORDER NO.            |
| 3.  | <input type="checkbox"/> SALES                             | WELL TYPE   | WELL CATEGORY                     | JOB PURPOSE        | WELL PERMIT NO.          | WELL LOCATION                    |                      |
| 4.  | REFERRAL LOCATION  | INVOICE INSTRUCTIONS<br><u>20</u>   | <u>01</u>                         | <u>01</u>          | <u>035</u>               | <u>6-11-80</u>                   |                      |

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | TIME | DESCRIPTION                  | QTY.          |            | U/M          |           | UNIT PRICE     | AMOUNT         |
|-----------------|-------------------------------------|------------|------|----|------|------------------------------|---------------|------------|--------------|-----------|----------------|----------------|
|                 |                                     | LOC        | ACCT | DF |      |                              |               |            |              |           |                |                |
| <u>DD0-117</u>  |                                     |            |      |    |      | <u>MILEAGE on RT. (5100)</u> | <u>33</u>     | <u>m</u>   |              |           | <u>275</u>     | <u>90.75</u>   |
| <u>DD1-016</u>  |                                     |            |      |    |      | <u>Pump Chg 8-10-93</u>      | <u>3728.5</u> | <u>+</u>   |              |           | <u>1345.00</u> | <u>1345.00</u> |
| <u>030-018</u>  |                                     |            |      |    |      | <u>SW Top Plug</u>           | <u>1</u>      | <u>pc</u>  | <u>5 1/2</u> | <u>in</u> | <u>65.00</u>   | <u>65.00</u>   |
| <u>12A</u>      | <u>825-205</u>                      |            |      |    |      | <u>Reg. Cmt. Guide Shoe</u>  | <u>1</u>      | <u>ea</u>  | <u>5 1/2</u> | <u>in</u> | <u>121.00</u>  | <u>121.00</u>  |
| <u>24A</u>      | <u>815-19281</u>                    |            |      |    |      | <u>Insert Float Valve</u>    | <u>1</u>      | <u>ea</u>  | <u>5 1/2</u> | <u>in</u> | <u>110.00</u>  | <u>110.00</u>  |
| <u>27</u>       | <u>815-19311</u>                    |            |      |    |      | <u>Fill-up Unit</u>          | <u>1</u>      | <u>ea</u>  | <u>1</u>     | <u>in</u> | <u>55.00</u>   | <u>55.00</u>   |
| <u>40</u>       | <u>807.93022</u>                    |            |      |    |      | <u>S-4 Centralizers</u>      | <u>6</u>      | <u>loc</u> | <u>5 1/2</u> | <u>in</u> | <u>44.00</u>   | <u>264.00</u>  |

|   |  |   |   |
|---|--|---|---|
| <b>LEGAL TERMS:</b> Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, <b>PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY</b> provisions.<br>CUSTOMER OR CUSTOMER'S AGENT SIGNATURE<br>X <u>[Signature]</u><br>DATE SIGNED <u>8-10-93</u> TIME SIGNED <u>02:00</u><br><input checked="" type="checkbox"/> A.M.<br><input type="checkbox"/> P.M.<br><input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered | SUB SURFACE SAFETY VALVE WAS:<br><input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN | SURVEY<br>AGREE <input type="checkbox"/> UN-DECIDED <input type="checkbox"/> DIS-AGREE <input type="checkbox"/> | PAGE TOTAL<br><u>2000.75</u>  |
|   | TYPE LOCK DEPTH  | OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  | FROM CONTINUATION PAGE(S)<br><u>2772.50</u>                           |
|   | BEAN SIZE SPACERS  | WE UNDERSTOOD AND MET YOUR NEEDS?   |   |
|   | TYPE OF EQUALIZING SUB. CASING PRESSURE  | OUR SERVICE WAS PERFORMED WITHOUT DELAY?  |   |
| TUBING SIZE TUBING PRESSURE WELL DEPTH  | WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?   | ARE YOU SATISFIED WITH OUR SERVICE?<br><input type="checkbox"/> YES <input type="checkbox"/> NO                 | SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE<br><u>4573.10</u> |
| TREE CONNECTION TYPE VALVE  | <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND  |   |   |

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket

|   |  |   |                        |  |
|---|--|---|------------------------|--|
| CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)<br>X <u>[Signature]</u> | HALLIBURTON OPERATOR/ENGINEER<br><u>John E. Bricker</u> | EMP #<br><u>113022</u> | HALLIBURTON APPROVAL<br><u>[Signature]</u> |
|---|--|---|------------------------|--|



**HALLIBURTON**  
ENERGY SERVICES

ORIGINAL

TICKET CONTINUATION

COPY

HAYS

TICKET No. 5721

RECEIVED  
STATE OF KANSAS  
CONSERVATION DIVISION  
Wichita, Kansas

FORM 1911 R-8

15-051-24841-00-00

CUSTOMER

Mai Operations

WELL

Richards #4

DATE

8-9-93

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | TIME | DESCRIPTION                 | QTY.   |     | U/M  |              | UNIT PRICE | AMOUNT |
|-----------------|-------------------------------------|------------|------|----|------|-----------------------------|--------|-----|------|--------------|------------|--------|
|                 |                                     | LOC        | ACCT | DF |      |                             | QTY.   | U/M | QTY. | U/M          |            |        |
| 504-136         |                                     | 1          |      | B  |      | 40/60 Pozmix Standard       | 200    |     |      |              | 5.55       | 1,110  |
| 509-968         | 516.00;158                          | 1          |      | B  |      | Salt Blended & On sidæ      | 1450   | lb  |      |              | 13         | 188.50 |
| 507-775         | 516.00144                           | 1          |      | B  |      | Halad-322 Blended           | 125    | lb  |      |              | 6.90       | 862.50 |
| 507-210         | 890.50071                           | 1          |      | B  |      | Floc <del>111</del> Blended | 50     | lb  |      |              | 1.40       | 70.00  |
| 500-207         |                                     | 1          |      | B  |      | SERVICE CHARGE              |        |     |      | CUBIC FEET   | 1.25       | 280.00 |
| 500-306         |                                     | 1          |      | B  |      | MILEAGE CHARGE              |        |     |      | TON MILES    | .85        | 261.50 |
|                 |                                     |            |      |    |      | TOTAL WEIGHT                | 18,645 |     |      | LOADED MILES | 33         |        |
|                 |                                     |            |      |    |      |                             |        |     |      |              | 307,643    |        |

CONTINUATION TOTAL

2,712.50

**JOB SUMMARY**

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

Mid Continent  
Hay, Ks

15-051-24841-00-00

BILLED ON TICKET NO. 512199

**WELL DATA**

FIELD \_\_\_\_\_ SEC. 6 TWP. 11 RNG. 20 COUNTY Ellis STATE Ks

| FORMATION NAME | TYPE | NEW USED | WEIGHT | SIZE  | FROM | TO   | MAXIMUM PSI ALLOWABLE |
|----------------|------|----------|--------|-------|------|------|-----------------------|
| CASING         |      |          | 11.415 | 5 1/2 | KD   | 3725 |                       |
| LINER          |      |          |        |       |      |      |                       |
| TUBING         |      |          |        |       |      |      |                       |
| OPEN HOLE      |      |          |        | 7 1/2 | 3728 | 3750 | SHOTS/FT.             |
| PERFORATIONS   |      |          |        |       |      |      |                       |
| PERFORATIONS   |      |          |        |       |      |      |                       |
| PERFORATIONS   |      |          |        |       |      |      |                       |

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

**JOB DATA**

| CALLS OUT                 | ON LOCATION                | JOB STARTED                | JOB COMPLETED            |
|---------------------------|----------------------------|----------------------------|--------------------------|
| DATE 8-9-93<br>TIME 21:00 | DATE 8-10-93<br>TIME 01:00 | DATE 8-10-93<br>TIME 03:00 | DATE _____<br>TIME _____ |

**PERSONNEL AND SERVICE UNITS**

| NAME       | UNIT NO. & TYPE | LOCATION |
|------------|-----------------|----------|
| S. Beckner | 43400           | Comb     |
| D. Ash     | 51113           | Hay, Ks  |
| K. Richman | 59724           | RT 370   |

**TOOLS AND ACCESSORIES**

| TYPE AND SIZE               | QTY. | MAKE |
|-----------------------------|------|------|
| FLOAT COLLAR                |      |      |
| FLOAT SHOE Inset 7/8 Ellipt | 1    | Howe |
| GUIDE SHOE                  | 1    | Howe |
| CENTRALIZERS                | 6    | "    |
| BOTTOM PLUG                 |      |      |
| TOP PLUG                    | 1    | "    |
| HEAD                        |      |      |
| PACKER                      |      |      |
| OTHER                       |      |      |

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
PERFFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_

DEPARTMENT Cement  
DESCRIPTION OF JOB Cmt 5 1/2 Prod Log

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE John Beckner  
HALLIBURTON OPERATOR John Beckner  
COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

| STAGE | NUMBER OF SACKS | CEMENT   | BRAND | BULK SACKED | ADDITIVES                                       | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|----------|-------|-------------|---|------------------|-----------------|
|       | 250             | 4146 Poz | B     |             | 2.6 gal 10% Salt, 3.4 gal H-300, 1 1/2" Elastic | 1.32             | 14.53           |

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
HYDRAULIC HORSEPOWER \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET \_\_\_\_\_ REASON \_\_\_\_\_

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 90.5  
CEMENT SLURRY: BBL.-GAL. 42.3  
TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

RAMARKS  
See Job Log  
Thank you John

FIELD OFFICE

RECEIVED  
STATE OF KANSAS  
NOV 05 1993  
11-5-1993  
CONSERVATION DIVISION  
Wichita, Kansas





ORIGINAL

JOB LOG FORM 2013 R-3

CUSTOMER: *Ma Operations* WELL NO.: *#11* LEASE: *Richards* JOB TYPE: *Cent Prod Csg* TICKET NO.: *512199*

| CHART NO. | TIME         | RATE (BPM)    | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS           |
|-----------|--------------|---------------|--------------------|-------|---|----------------|--------|--|
|           |              |               |                    | T     | C | TUBING         | CASING |  |
|           | <i>21:06</i> | <i>8-9-93</i> |                    |       |   |                |        | <i>Called Out</i>                                |
|           | <i>01:00</i> |               |                    |       |   |                |        | <i>On Loc - Rig Laying Down DP</i>               |
|           | <i>03:15</i> |               |                    |       |   |                |        | <i>Spot &amp; Set up Equip - Discuss Job</i>     |
|           | <i>06:10</i> |               |                    |       |   |                |        | <i>Start 5 1/2" Csg in Hole</i>                  |
|           | <i>06:25</i> |               |                    |       |   |                |        | <i>1ea. Reg Guide Shoe</i>                       |
|           | <i>07:08</i> |               |                    |       |   |                |        | <i>1ea. Inset Flact Valve / Fill-up</i>          |
|           | <i>07:12</i> |               |                    |       |   |                |        | <i>1ea. Centralizers 1-2-5-8-11-14</i>           |
|           | <i>07:21</i> |               |                    |       |   |                |        | <i>Csg in Hole</i>                               |
|           | <i>07:28</i> |               |                    |       |   |                |        | <i>Hook up PC + Manifold</i>                     |
|           | <i>07:30</i> |               |                    |       |   |                |        | <i>Break Circ w/ Rig Pump</i>                    |
|           | <i>07:32</i> |               |                    |       |   |                |        | <i>Hook up to PT</i>                             |
|           | <i>07:41</i> |               |                    |       |   |                |        | <i>300 Start Pump Salt Flush</i>                 |
|           | <i>07:46</i> |               |                    |       |   |                |        | <i>500 Salt Flush in - 200 BBL</i>               |
|           | <i>07:49</i> |               |                    |       |   |                |        | <i>Pump 15sk in Rat Hole + 10sk in Main Hole</i> |
|           |              |               |                    |       |   |                |        | <i>550 Start Pump Cent</i>                       |
|           |              |               |                    |       |   |                |        | <i>200sk + 10-60 Poz 7/8" 6-1/2" 10" Salt</i>    |
|           |              |               |                    |       |   |                |        | <i>3/4" Hekel-322 + 1/2" Piece</i>               |
|           |              |               |                    |       |   |                |        | <i>100 Finish Pump Cent</i>                      |
|           |              |               |                    |       |   |                |        | <i>Wash out Pump Lines</i>                       |
|           |              |               |                    |       |   |                |        | <i>Release Plug + Wire Line</i>                  |
|           |              |               |                    |       |   |                |        | <i>100 Start Displ</i>                           |
|           |              |               |                    |       |   |                |        | <i>700 Finish Displ</i>                          |
|           |              |               |                    |       |   |                |        | <i>950 Plug Landed - Tag Plug / Wire Line</i>    |
|           |              |               |                    |       |   |                |        | <i>0 Release Pres</i>                            |
|           |              |               |                    |       |   |                |        | <i>Job Complete</i>                              |

*Thank you for your job, Dave, Glen*

RECEIVED STATE CORPORATION COMMISSION 11-5-1993 NOV 05 1993 CONSERVATION DIVISION Wichita, Kansas