

FORM MUST BE TYPED

SIDE ONE

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

API No. 15 075-20518-0000 **ORIGINAL**

County Hamilton

SW NE NE Sec. 12 Twp. 26 Rge. 39  East  West

4020 Foot from S (circle one) Line of Section  
1300 Foot from E (circle one) Line of Section

Footage Calculated from Innermost Outside Section Corner:  
SE, NW, or SW (circle one)

Lease Name Zook GU /A/ Well # 3HI

Field Name Hugoton

Producing Formation Chase

Elevation: Ground 3287' KB 3298'

Total Depth 2738' PBD 2736'

Amount of Surface Pipe Set and Cemented at 649 Feet

Multiphase Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

foot depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx crnt.

Drilling Fluid Management Plan ALT 2 JH 8-19-94  
(Data must be collected from the Reserve Pit)

Chloride content 5800 ppm Fluid Volume 2140 bbls

Downstring method used dried and filled

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name **RECEIVED** License No. \_\_\_\_\_

**KANSAS CORPORATION COMMISSION**  
County Hamilton Sec. 12 Twp. 26 S. Rng. 39 E/W SW

County Hamilton Docket No. MAY 12 1994

Operator: License # 5952

Name: Amoco Production Company

Address P O Box 800

Room 925

City/State/Zip Denver, Co 80201

Purchaser: \_\_\_\_\_

Operator Contact Person: Ellen Hartzler

Phone (303) 830-5130

Contractor: Name: Cheyenne Drilling

License: 5832

Wellsite Geologist: None

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc.)

Workover/Re-entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conn. to Inj/SWD \_\_\_\_\_

Plug Back \_\_\_\_\_

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

11/5/93 11/07/93 12/10/93

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Conservation Division, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rules 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-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

I certify that 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 to the best of my knowledge.

Signature: Ellen Hartzler

Title Sr. Staff Assistant Date April 25, 1994

Subscribed and sworn to before me this 22ND day of April 1994

Notary Public Susan Callahan

Notary Commission Expires August 02, 1994

**K.C.C. OFFICE USE ONLY**

F  Letter of confidentiality Attached  
 C  Wireline Log Received  
 C  Drillers Timelog Received

**Distribution**

KCC  SWD/Rep  NGPA  
 AGS  Plug  Other (Specify)

PI

Operator Name Amoco Production Company Lease Name Zook GU /A/ Well # 3HI  
 County Hamilton  
 Sec. 12 Twp. 26 Rge. 39  
 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  
 List All E. Logs Run: COMPENSATED SPECTRAL GAMMA

Log Formation: (Top), Depth and Datums  Sample

| Name       | Top  | Datum |
|------------|------|-------|
| Herrington | 2480 | KB    |
| Krider     | 2497 |       |
| Winfield   | 2534 |       |
| Towanda    | 2606 |       |
| Ft. Riley  | 2652 |       |

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 1/4"           | 8 5/8"                    | 24#             | 649           | Class C        | 300          |                            |
| Production        | 7 7/8"            | 5 1/2"                    | 15.5#           | 2738          | Class C        | 550          | 13% lbs. Flozale           |

ADDITIONAL CEMENTING/SQUEEZE RECORD

| Purpose:       | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|----------------|------------------|----------------|--------------|----------------------------|
| Perforate      |                  |                |              |                            |
| Protect Casing |                  |                |              |                            |
| Plug Back TD   |                  |                |              |                            |
| Plug Off Zone  |                  |                |              |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type  | Acid, Fracture, Shot, Cement Squeeze Record | Depth |
|----------------|---|---|-------|
|                | Specify Footage of Each Interval Perforated | (Amount and Kind of Material Used)          |       |
| 4              | 2484-2492; 2534-2564; 2606-2622;            | Frac w/245,660# 10/20 COSI                  |       |
|                | 2652-2682; 2724-2730;                       | Sand & 51,500 gals YF130                    |       |

USING RECORD - Size N/A Set At  Packer At  Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj ST Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours: Oil  Bbls. Gas 400 Mcf Water  Bbls. Gas-Oil Ratio  Gravity

Disposition of Gas:  Vented  Sold  Used on Lease  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled 2484-2730  
 Other (Specify)

(If vented, submit ACO-18)

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY  
ZOOK GU "A" NO. 3 HI  
SECTION 12-T26S-R39W  
HAMILTON COUNTY, KANSAS

API#15-075-20518

COMMENCED: 11-05-93  
COMPLETED: 11-07-93

SURFACE CASING: 636' OF 8 5/8"  
CMTD W/150 SX LT "C", 2% C.C.,  
1/4#/SX FLO-CELE; TAILED IN W/  
150 SX "C", 2% C.C., 1/4#/SX FLO-CELE.

| FORMATION      | DEPTH            |
|----------------|------------------|
| SURFACE HOLE   | 0- 649           |
| RED BED & SAND | 649-1649         |
| RED BED        | 1649-2640        |
| CHASE          | 2640-2738    RTD |

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 8TH DAY OF NOVEMBER, 1993.

BECKY J. WHETSTONE  
 NOTARY PUBLIC  
 STATE OF KANSAS  
 MY APPT. EXPIRES 4/29/95

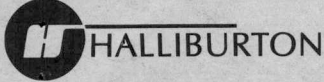
Becky J. Whetstone

BECKY J. WHETSTONE, NOTARY PUBLIC

RECEIVED  
STATE CORPORATION COMMISSION

MAY 16 1994

CONSERVATION DIVISION  
Wichita, Kansas



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

Mid Point  
Liberal Ks

BILLED ON TICKET NO. 648007

CUSTOMER

Amoco Production

LEASE

200K 'A'

WELL NO.

3 HI

JOB TYPE

035

DATE

11-7-93

ORIGINAL

## WELL DATA

FIELD \_\_\_\_\_ SEC \_\_\_\_\_ TWP \_\_\_\_\_ RNG \_\_\_\_\_ COUNTY Hamilton STATE KS

|              | NEW USED | WEIGHT | SIZE  | FROM | TO   | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING       | N        | 15.5   | 5 1/2 | KB   | 2742 | 1500                  |
| LINER        |          |        |       |      |      |                       |
| TUBING       |          |        |       |      |      |                       |
| OPEN HOLE    |          |        | 7 3/4 | S.P. | 2738 | SHOTS/FT.             |
| PERFORATIONS |          |        |       |      |      |                       |
| PERFORATIONS |          |        |       |      |      |                       |
| PERFORATIONS |          |        |       |      |      |                       |

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 Chen MUD WT. 3.9

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

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

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 2738

## JOB DATA

### TOOLS AND ACCESSORIES

| TYPE AND SIZE           | QTY.     | MAKE         |
|-------------------------|----------|--------------|
| FLOAT COLLAR            |          |              |
| FLOAT SHOE <u>SSI</u>   | <u>1</u> | <u>Howco</u> |
| GUIDE SHOE              |          |              |
| CENTRALIZERS <u>S-H</u> | <u>5</u> |              |
| BOTTOM PLUG             |          |              |
| TOP PLUG <u>S-W</u>     | <u>1</u> |              |
| HEAD <u>RPC</u>         | <u>1</u> |              |
| PACKER                  |          |              |
| OTHER <u>W21A</u>       | <u>1</u> |              |

| CALLLED OUT         | ON LOCATION         | JOB STARTED         | JOB COMPLETED       |
|---------------------|---------------------|---------------------|---------------------|
| DATE <u>11-7-93</u> | DATE <u>11-7-93</u> | DATE <u>11-7-93</u> | DATE <u>11-7-93</u> |
| TIME <u>05:00</u>   | TIME <u>09:00</u>   | TIME <u>14:00</u>   | TIME <u>15:35</u>   |

### PERSONNEL AND SERVICE UNITS

| NAME                                | UNIT NO. & TYPE   | LOCATION                        |
|-------------------------------------|-------------------|---------------------------------|
| <u>Tim Bohannon</u><br><u>87748</u> | <u>Liberal Ks</u> | <u>40076 P.U.</u>               |
| <u>B Elwood</u><br><u>04360</u>     | <u>" "</u>        | <u>52747</u><br><u>75476 P.</u> |
| <u>M Howco</u><br><u>F7343</u>      | <u>Hugoton Ks</u> | <u>2626</u><br><u>5302 B.</u>   |
| <u>N Tate</u><br><u>20568</u>       | <u>" "</u>        | <u>51954</u><br><u>75505 B.</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 035

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Tim Bohannon COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

| STAGE    | NUMBER OF SACKS | CEMENT        | BRAND | BULK SACKED | ADDITIVES         | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----------|-----------------|---------------|-------|-------------|-------------------|------------------|-----------------|
| <u>1</u> | <u>450</u>      | <u>HLC R2</u> |       | <u>0</u>    | <u>1/2" Flocc</u> | <u>2.06</u>      | <u>12.3</u>     |
| <u>2</u> | <u>100</u>      | <u>P+</u>     |       | <u>0</u>    | <u>1/2" Flocc</u> | <u>1.32</u>      | <u>11.8</u>     |

### PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ FRESH WT. LBS./GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL.: BBL.-GAL. 65.2

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 165 + 23.5

### HYDRAULIC HORSEPOWER

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

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

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

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

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

RECEIVED

KANSAS CORPORATION COMMISSION

MAY 12 1994

CONSERVATION DIVISION  
WICHITA, KS

### REMARKS



HALLIBURTON  
ENERGY SERVICES

TICKET CONTINUATION

COPY

51

TICKET No. 648007

FORM 1911 R-8

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | TIME | DESCRIPTION              | WELL               |                 |                    |     | DATE     | PAGE OF |
|-----------------|-------------------------------------|------------|------|----|------|--------------------------|--------------------|-----------------|--------------------|-----|----------|---------|
|                 |                                     | LOC        | ACCT | DF |      |                          | QTY.               | U/M             | QTY.               | U/M |          |         |
|                 |                                     |            |      |    |      | Amoco Production         | Zeek "A" #3HT      |                 |                    |     | 11-07-93 | 2   2   |
| 504-050         | 516.00265                           |            |      |    |      | Premium Plus Cement      | 100                | sk              |                    |     | 9.22     | 922.00  |
| 504-120         |                                     |            |      |    |      | Halliburton Light Cement | 450                | sk              |                    |     | 8.21     | 3694.50 |
| 504-050         | 516.00265                           |            |      |    |      |                          |                    |                 |                    |     |          |         |
| 506-105         | 516.00286                           |            |      |    |      |                          |                    |                 |                    |     |          |         |
| 506-121         | 516.00259                           |            |      |    |      |                          |                    |                 |                    |     |          |         |
| 507-210         | 890.50071                           |            |      |    |      | Flocele 3/4W/ 550        | 138                | lb              |                    |     | 1.40     | 193.20  |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
|                 |                                     |            |      |    |      |                          |                    |                 |                    |     |          |         |
| 500-207         |                                     |            |      |    |      | SERVICE CHARGE           | CUBIC FEET 559     |                 |                    |     | 1.35     | 754.65  |
| 500-306         |                                     |            |      |    |      | MILEAGE CHARGE           | TOTAL WEIGHT 55737 | LOADED MILES 31 | TON MILES 863.9235 |     | 95       | 820.73  |

ORIGINAL

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 12 1994

CONSERVATION DIVISION  
WICHITA KS

CONTINUATION TOTAL 6385.08



CHARGE TO: Amoco Production  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: Olivessess Ks

COPY \_\_\_\_\_ TICKET No. 648007 - 8  
 PAGE 1 OF 2

FORM 1906 R-13

|  |  |   |                                     |                            |  |                                       |                      |
|--|--|---|-------------------------------------|----------------------------|--|---------------------------------------|----------------------|
| SERVICE LOCATIONS<br>1. <u>025540 Liberal Ks</u> | WELL/PROJECT NO.<br><u>3 HI</u>  | LEASE<br><u>Zook A</u>  | COUNTY/PARISH<br><u>Hamilton</u>    | STATE<br><u>Ks</u>         | CITY/OFFSHORE LOCATION                       | DATE<br><u>11-7-93</u>                | OWNER<br><u>Same</u> |
| 2. <u>025533 Hingston Ks</u>                     | TICKET TYPE<br><input checked="" type="checkbox"/> SERVICE<br><input type="checkbox"/> SALES | NITROGEN JOB?<br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO | CONTRACTOR<br><u>Charles D. ...</u> | RIG NAME/NO.<br><u>= 2</u> | SHIPPED VIA<br><u>None</u>                   | DELIVERED TO<br><u>Local approval</u> | ORDER NO.            |
| 3.   | WELL TYPE<br><u>02</u>   | WELL CATEGORY<br><u>01</u>  | JOB PURPOSE<br><u>035</u>           | WELL PERMIT NO.            | WELL LOCATION<br><u>N-W of Olivessess Ks</u> |                                       |                      |
| 4.   | REFERRAL LOCATION  | INVOICE INSTRUCTIONS  |                                     |                            |  |                                       |                      |

ORIGINAL

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | DESCRIPTION  | QTY.      |           | U/M         |             | UNIT PRICE   | AMOUNT         |
|-----------------|-------------------------------------|------------|------|----|--------------|-----------|-----------|-------------|-------------|--------------|----------------|
|                 |                                     | LOC        | ACCT | DF |              |           |           |             |             |              |                |
| <u>000-117</u>  |                                     |            |      |    | MILEAGE      | <u>62</u> | <u>MI</u> | <u>1</u>    | <u>17A</u>  | <u>2.25</u>  | <u>170.50</u>  |
| <u>001-016</u>  |                                     |            |      |    | Pump Charge  | <u>6</u>  | <u>HR</u> | <u>2742</u> | <u>57</u>   | <u>(800)</u> | <u>1345.00</u> |
| <u>5A</u>       | <u>837-07100</u>                    |            |      |    | FLOAT SHOE   | <u>1</u>  | <u>EA</u> | <u>55</u>   | <u>1.00</u> |              | <u>225.00</u>  |
| <u>40</u>       | <u>806-6002</u>                     |            |      |    | CENTRALIZERS | <u>3</u>  | <u>EA</u> | <u>33</u>   | <u>44</u>   | <u>1.00</u>  | <u>220.00</u>  |
| <u>350</u>      | <u>890-10908</u>                    |            |      |    | WELL A       | <u>1</u>  | <u>EA</u> |             |             |              | <u>14.50</u>   |
| <u>030-018</u>  |                                     |            |      |    | 5-WAY PUMP   | <u>1</u>  | <u>EA</u> |             |             |              | <u>65.00</u>   |

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 MAY 12 1994  
 CONSERVATION DIVISION  
 WICHITA, KS

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: X

DATE SIGNED: 11-7-93 TIME SIGNED: 09:00  A.M.  P.M.

do  do not require IPC (Instrument Protection).  Not offered

|  |                 |   |            |           |                           |
|--|-----------------|---|------------|-----------|---------------------------|
| SUB SURFACE SAFETY VALVE WAS:<br><input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN | SURVEY          | AGREE   | UN-DECIDED | DIS-AGREE | PAGE TOTAL                |
| TYPE LOCK  | DEPTH           |   |            |           | <u>2040</u>               |
| BEAN SIZE  | SPACERS         |   |            |           | FROM CONTINUATION PAGE(S) |
| TYPE OF EQUALIZING SUB.  | CASING PRESSURE |   |            |           | <u>6385.08</u>            |
| TUBING SIZE  | TUBING PRESSURE | WELL DEPTH  |            |           |                           |
| TREE CONNECTION  | TYPE VALVE      |   |            |           | <u>8425.08</u>            |
| ARE YOU SATISFIED WITH OUR SERVICE?<br><input type="checkbox"/> YES <input type="checkbox"/> NO  |                 | SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE |            |           |                           |
| <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)<br><u>Sam Cismack</u> | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)<br><u>X</u> | HALLIBURTON OPERATOR/ENGINEER<br><u>Tim Bohannon</u> | EMP #<br><u>57748</u> | HALLIBURTON APPROVAL<br><u>w/39% disc</u> | <u>5139.30</u> |
|---|--|--|-----------------------|---|----------------|

## 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.

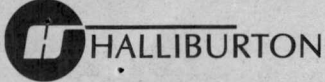
JOB LOG FORM 2013 R-4

CUSTOMER **Amoco Production 3HI** WELL NO. **Zook "A"** LEASE **010** JOB TYPE **010** TICKET NO. **648005**

| CHART NO. | TIME  | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS                              |
|-----------|-------|------------|--------------------|-------|---|----------------|--------|---|
|           |       |            |                    | T     | C | TUBING         | CASING |   |
|           | 14:50 |            |                    |       |   |                |        | Call out Ready Now  |
|           | 17:00 |            |                    |       |   |                |        | ON h/c Rig Trip out w D.C.  |
|           | 17:30 |            |                    |       |   |                |        | Start 8 3/8 CSG in Hole   |
|           | 19:33 |            |                    |       |   |                |        | Safety meeting Gtt by all<br>TD 3 3/8 Hook-up C/c Hole<br>w Rig     |
|           | 20:15 | 1          |                    |       |   | 200            |        | H <sub>2</sub> O  |
|           |       | "          | 2                  |       |   | "              |        |   |
|           | 20:17 | 6          |                    |       |   | "              |        | 150 sk HLC P+   |
|           |       | "          | 55                 |       |   | 250            |        |   |
|           | 20:27 | "          |                    |       |   | "              |        | 150 sk P+   |
|           |       | "          | 35                 |       |   | "              |        |   |
|           | 20:35 |            |                    |       |   | —              |        | Stop Plug Plug  |
|           |       | 6          |                    |       |   | 250            |        | Displ w H <sub>2</sub> O  |
|           |       | 1 1/2      | 30                 |       |   | 350            |        | Slow Down Rate  |
|           | 20:50 |            | 402                |       |   | 400            |        | Plug Down Shut in   |
|           |       |            |                    |       |   |                |        | Cmt T- P+ 40 bbls = 109 sks<br>Plug landing Ps: 400 Ps!             |
|           |       |            |                    |       |   |                |        | Average Ps: head - 200<br>Tail - 250<br>Displ - 350                 |
|           |       |            |                    |       |   |                |        | " Rate head - 5.5 gpm<br>Tail - 4.3<br>Displ - 2.6<br>Overall - 3.7 |
|           |       |            |                    |       |   |                |        | Thank you Tim & Crew  |

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
MAY 12 1994  
CONSERVATION DIVISION  
WICHITA, KS





# JOB SUMMARY

HALLIBURTON DIVISION Mid Cont.  
 HALLIBURTON LOCATION Liberal KS

BILLED ON TICKET NO. 648005

## WELL DATA

FIELD \_\_\_\_\_ SEC. 12 TWP. 26 RNG. 39 COUNTY Hamilton STATE KS

FORMATION NAME ORIGINAL 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 SPM MUD WT. 9.7

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

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

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 649

|              | NEW USED | WEIGHT | SIZE   | FROM | TO  | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|--------|------|-----|-----------------------|
| CASING       | N        | 24     | 8 3/4  | KB   | 654 | 1500                  |
| LINER        |          |        |        |      |     |                       |
| TUBING       |          |        |        |      |     |                       |
| OPEN HOLE    |          |        | 12 1/4 | BL   | 649 | SHOTS/FT.             |
| PERFORATIONS |          |        |        |      |     |                       |
| PERFORATIONS |          |        |        |      |     |                       |
| PERFORATIONS |          |        |        |      |     |                       |

## JOB DATA

### TOOLS AND ACCESSORIES

| TYPE AND SIZE           | QTY.     | MAKE         |
|-------------------------|----------|--------------|
| FLOAT COLLAR            |          |              |
| FLOAT SHOE              |          |              |
| GUIDE SHOE              |          |              |
| CENTRALIZERS <u>5-1</u> | <u>3</u> | <u>Hall.</u> |
| BOTTOM PLUG             |          |              |
| TOP PLUG <u>5-W</u>     | <u>1</u> | <u>Hall.</u> |
| HEAD <u>SPL</u>         | <u>1</u> |              |
| PACKER                  |          |              |
| OTHER <u>W-12 A</u>     | <u>1</u> |              |

| CALLED OUT          | ON LOCATION         | JOB STARTED         | JOB COMPLETED       |
|---------------------|---------------------|---------------------|---------------------|
| DATE <u>11-5-93</u> | DATE <u>11-5-93</u> | DATE <u>11-5-93</u> | DATE <u>11-5-93</u> |
| TIME <u>14:50</u>   | TIME <u>17:00</u>   | TIME <u>20:15</u>   | TIME <u>20:50</u>   |

### PERSONNEL AND SERVICE UNITS

| NAME              | UNIT NO. & TYPE   | LOCATION          |
|-------------------|-------------------|-------------------|
| <u>T Bohannon</u> | <u>40076 P.J.</u> | <u>Liberal KS</u> |
| <u>Acosta</u>     | <u>87718</u>      | <u>"</u>          |
| <u>T Davis</u>    | <u>87653</u>      | <u>"</u>          |
|                   | <u>52827</u>      | <u>Hugotank</u>   |
|                   | <u>4734</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. \_\_\_\_\_

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

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

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

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

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

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

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**MAY 12 1994**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

DEPARTMENT Conservation

DESCRIPTION OF JOB 010

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR T Bohannon COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

| STAGE    | NUMBER OF SACKS | CEMENT        | BRAND | BULK SACKED | ADDITIVES               | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----------|-----------------|---------------|-------|-------------|-------------------------|------------------|-----------------|
| <u>1</u> | <u>150</u>      | <u>HLC P+</u> |       | <u>B</u>    | <u>2% CC 4% Floxide</u> | <u>2.04</u>      | <u>12.3</u>     |
| <u>2</u> | <u>150</u>      | <u>P+</u>     |       | <u>B</u>    | <u>2% CC 4% Floxide</u> | <u>1.32</u>      | <u>11.8</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. 40.2

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 55 + 35

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

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

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

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

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

FEET 21 REASON Shut in

### REMARKS

CUSTOMER \_\_\_\_\_  
 LEASE \_\_\_\_\_  
 WELL NO. \_\_\_\_\_  
 JOB TYPE \_\_\_\_\_  
 DATE 11-5-93



HALLIBURTON  
ENERGY SERVICES

TICKET CONTINUATION

COPY

|                   |
|-------------------|
| TICKET No. 648005 |
|-------------------|

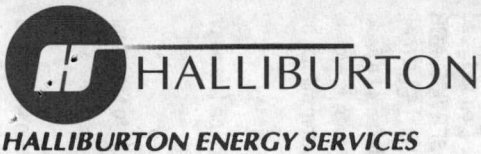
FORM 1911 R-8

| CUSTOMER         |                                     |            |      |    |      |                           | WELL   |     |        |     | DATE       |         | PAGE OF |  |
|------------------|-------------------------------------|------------|------|----|------|---------------------------|--------|-----|--------|-----|------------|---------|---------|--|
| Amoco Production |                                     |            |      |    |      |                           | Zook A |     |        |     | 11-5-93    |         | 1 1     |  |
| 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 |            |         |         |  |
| 504-050          | 516.00265                           |            |      |    |      | Premium Plus Cement       | 150    | sk  |        |     | 9.22       | 1383.00 |         |  |
| 504-120          |                                     |            |      |    |      | Halliburton Light Cement  | 150    | sk  |        |     | 8.21       | 1231.50 |         |  |
| 504-050          | 516.00265                           |            |      |    |      |                           |        |     |        |     |            |         |         |  |
| 506-105          | 516.00286                           |            |      |    |      |                           |        |     |        |     |            |         |         |  |
| 506-121          | 516.00259                           |            |      |    |      |                           |        |     |        |     |            |         |         |  |
| 507-210          | 890.50071                           |            |      |    |      | Flocele 1/4/300sk         | 75     | lb  |        |     | 1.40       | 105.00  |         |  |
| 509-406          | 890.50812                           |            |      |    |      | Calcium Chloride 2%/300sk | 6      | sk  |        |     | 28.25      | 169.50  |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
| 500-207          |                                     |            |      |    |      | SERVICE CHARGE            |        |     |        |     |            |         |         |  |
| 500-306          |                                     |            |      |    |      | MILEAGE CHARGE            |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      | TOTAL WEIGHT              | 28,442 |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      | LOADED MILES              | 28     |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      | CUBIC FEET                |        |     | 317    |     |            |         |         |  |
|                  |                                     |            |      |    |      | TON MILES                 |        |     | 398.18 |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     | 1.35       | 427.95  |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     | 95         | 378.27  |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |
|                  |                                     |            |      |    |      |                           |        |     |        |     |            |         |         |  |

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 MAY 12 1994  
 CONSERVATION DIVISION  
 WICHITA, KS

|                    |         |
|--------------------|---------|
| CONTINUATION TOTAL | 3695.27 |
|--------------------|---------|

ORIGINAL



CHARGE TO: Amoco Production  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

COPY

TICKET

No. 648005 - 6

PAGE 1 OF

FORM 1906 R-13

|                              |  |   |                              |                                  |  |                            |              |
|------------------------------|--|---|------------------------------|----------------------------------|--|----------------------------|--------------|
| SERVICE LOCATIONS            | WELL/PROJECT NO.   | LEASE   | COUNTY/PARISH                | STATE                            | CITY/OFFSHORE LOCATION                 | DATE                       | OWNER        |
| 1. <u>Liberal, KS 023544</u> | <u>3 HI</u>  | <u>Zook A</u>   | <u>Hamilton</u>              | <u>KS</u>                        |  | <u>11-5-93</u>             | <u>Amoco</u> |
| 2. <u>Liberal, KS 023545</u> |  |   |                              |                                  |  |                            |              |
| 3.                           | TICKET TYPE<br><input checked="" type="checkbox"/> SERVICE<br><input type="checkbox"/> SALES | NITROGEN JOB?<br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO | CONTRACTOR<br><u>Chevron</u> | RIG NAME/NO.<br><u>Chevron 2</u> | SHIPPED VIA                            | DELIVERED TO<br><u>LCC</u> | ORDER NO.    |
| 4.                           | WELL TYPE<br><u>02</u>   | WELL CATEGORY<br><u>01</u>  | JOB PURPOSE<br><u>010</u>    | WELL PERMIT NO.                  | WELL LOCATION<br><u>N-W of Ulysses</u> |                            |              |
| REFERRAL LOCATION            | INVOICE INSTRUCTIONS   |   |                              |                                  |  |                            |              |

ORIGINAL

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | DESCRIPTION         | QTY.       |           | U/M      |           | UNIT PRICE   | AMOUNT        |
|-----------------|-------------------------------------|------------|------|----|---------------------|------------|-----------|----------|-----------|--------------|---------------|
|                 |                                     | LOC        | ACCT | DF |                     |            |           |          |           |              |               |
| <u>000-117</u>  |                                     | <u>1</u>   |      |    | <u>MILEAGE</u>      | <u>28</u>  | <u>mi</u> | <u>1</u> | <u>hr</u> | <u>2.75</u>  | <u>77.00</u>  |
| <u>001-016</u>  |                                     | <u>1</u>   |      |    | <u>Pump Charge</u>  | <u>654</u> | <u>hr</u> | <u>6</u> | <u>hr</u> | <u>(503)</u> | <u>825.00</u> |
| <u>030-016</u>  |                                     | <u>1</u>   |      |    | <u>5-w Plog</u>     | <u>3</u>   | <u>in</u> | <u>1</u> | <u>hr</u> |              | <u>120.00</u> |
| <u>597</u>      | <u>825-1269</u>                     | <u>1</u>   |      |    | <u>Baffle Plate</u> | <u>83</u>  | <u>in</u> | <u>1</u> | <u>hr</u> |              | <u>45.00</u>  |
| <u>40</u>       | <u>806, 60059</u>                   | <u>1</u>   |      |    | <u>Cent</u>         | <u>"</u>   | <u>"</u>  | <u>3</u> | <u>hr</u> | <u>72.00</u> | <u>216.00</u> |
| <u>350</u>      | <u>890, 10302</u>                   | <u>1</u>   |      |    | <u>Weld A</u>       | <u>1</u>   | <u>lb</u> |          |           |              | <u>14.50</u>  |

RECEIVED  
AS CORPORATION COMMISSION

MAY 12 1994  
CONSERVATION DIVISION  
WICHITA, KS

|  |  |   |  |                 |   |  |           |  |
|--|--|---|--|-----------------|---|--|-----------|--|
| <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><b>X</b> | SUB SURFACE SAFETY VALVE WAS:<br><input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN |   | <b>SURVEY</b>                              |                 | AGREE   | UN-DECIDED   | DIS-AGREE | <b>PAGE TOTAL</b><br><u>1297 150</u><br><br><b>FROM CONTINUATION PAGE(S)</b><br><u>3695 22</u><br><br><b>SUB-TOTAL</b><br>APPLICABLE TAXES WILL BE ADDED ON INVOICE<br><u>4,992 72</u> |
|  | TYPE LOCK  | DEPTH   | OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? |                 |   |  |           |  |
|  | BEAN SIZE  | SPACERS   | WE UNDERSTOOD AND MET YOUR NEEDS?          |                 |   |  |           |  |
|  | TYPE OF EQUALIZING SUB.  | CASING PRESSURE   | OUR SERVICE WAS PERFORMED WITHOUT DELAY?   |                 |   |  |           |  |
| DATE SIGNED<br><u>11-5-93</u>  | TIME SIGNED<br><u>17:00</u>  | <input type="checkbox"/> A.M.<br><input checked="" type="checkbox"/> P.M. | TUBING SIZE                                | TUBING PRESSURE | WELL DEPTH  | WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? |           |  |
| <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered  |  | TREE CONNECTION   | TYPE VALVE                                 |                 | ARE YOU SATISFIED WITH OUR SERVICE?<br><input type="checkbox"/> YES <input type="checkbox"/> NO |  |           |  |
| <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)<br><u>Sam Carmack</u> | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)<br><b>X</b> | HALLIBURTON OPERATOR/ENGINEER<br><u>Tim Baberman 87748</u> | EMP #<br><u>87748</u> | HALLIBURTON APPROVAL<br><u>w/39% Disc. 3045.56</u> |
|---|--|--|-----------------------|--|

## 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-4

|                                |                         |                        |                        |                             |
|--------------------------------|-------------------------|------------------------|------------------------|-----------------------------|
| CUSTOMER<br><b>Amoco Prod.</b> | WELL NO.<br><b>3 HI</b> | LEASE<br><b>Zook A</b> | JOB TYPE<br><b>035</b> | TICKET NO.<br><b>648007</b> |
|--------------------------------|-------------------------|------------------------|------------------------|-----------------------------|

| CHART NO. | TIME  | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|-------|------------|--------------------|-------|---|----------------|--------|--|
|           |       |            |                    | T     | C | TUBING         | CASING |  |
|           | 05:00 |            |                    |       |   |                |        | Call out Ready 09:00                   |
|           | 09:00 |            |                    |       |   |                |        | ON loc Rig Cir Hole                    |
|           | 12:00 |            |                    |       |   |                |        | lay Down D.P.                          |
|           | 14:00 |            |                    |       |   |                |        | Start CSB in Hole                      |
|           |       |            |                    |       |   |                |        | TU CSB                                 |
|           |       |            |                    |       |   |                |        | Safety Meeting                         |
|           | 14:20 | 6          |                    |       |   | 250            |        | 450 SK HHC P+                          |
|           |       | "          | 165                |       |   | 200            |        |  |
|           | 14:45 | "          |                    |       |   | 180            |        | 100 SK P+                              |
|           |       | "          | 23.5               |       |   | "              |        |  |
|           | 14:57 | —          |                    |       |   | —              |        | Stop Wash-up Pumps d line              |
|           |       |            |                    |       |   |                |        | Drop 5-w Plug                          |
|           | 15:00 | 6          |                    |       |   | 150            |        | Displ w H <sub>2</sub> O               |
|           |       | 2          | 55                 |       |   | 550            |        |  |
|           | 15:15 | 2          | 65                 |       |   | 700            |        | Plug Down Float Holding                |
|           |       |            |                    |       |   |                |        |  |
|           |       |            |                    |       |   |                |        |  |
|           |       |            |                    |       |   |                |        | cmT To Surface - 18 bbls = 49 sks      |
|           |       |            |                    |       |   |                |        | Plug landing B <sub>i</sub> - 700      |
|           |       |            |                    |       |   |                |        | Average P <sub>s</sub> : head - 250    |
|           |       |            |                    |       |   |                |        | Tail - 200                             |
|           |       |            |                    |       |   |                |        | Displ - 550                            |
|           |       |            |                    |       |   |                |        | " Rate head - 6.6                      |
|           |       |            |                    |       |   |                |        | Tail - 3.3                             |
|           |       |            |                    |       |   |                |        | Displ - 4.3                            |
|           |       |            |                    |       |   |                |        | Overall - 4.6                          |

**RECEIVED**  
KANSAS CORPORATION COMMISSION

MAY 12 1994

CONSERVATION DIVISION  
WICHITA, KS

Thank You Tim & Crew