

- 20 - 00  
ORIGINAL

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

API NO. 15- 051-24863  
County Ellis  
SW NW NE Sec. 27 Twp. 11S Rge. 17 E

Operator: License # 5229

Name: Phillips Petroleum Company

Address Route 3, Box 20A

City/State/Zip Great Bend, Kansas 67530

Koch

Purchaser:

Operator Contact Person: L.G. Janson, Jr.

Phone (316) 893-8421

Contractor: Name: Murfin Drilling

License: 30606

Wellsite Geologist: Casey Galloway

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., 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 Docket No.  
Dual Completion Docket No.  
Other (SWD or Inj?) Docket No.

11/08/93 11/12/93 11/29/93  
Spud Date Date Reached TD Completion Date

785 785 Feet from S(N) (circle one) Line of Section  
502 502 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 Baumer Well # 45  
Field Name Bernis Shutts  
Producing Formation Arbuckle  
Elevation: Ground 1982 KB 1987  
Total Depth 3550 PSTD 3503  
Amount of Surface Pipe Set and Cemented at 1215 Feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set Feet  
If Alternate II completion, cement circulated from feet depth to w/ sx cmt.

STATE RECEIVED  
JAN 31 1994  
CONSERVATION DIVISION  
WICHITA, KANSAS

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) 4-20-94 CB  
19000 ppm Fluid volume 600 bbls  
Monitoring method used draw off free fluid  
Location of fluid disposal if hauled offsite:

Operator Name Phillips Petroleum Company  
Lease Name Burnett SWD System License No. 5229  
SW/4 Quarter Sec. 12 Twp. 11 S Rng. 18 E(W)  
County Ellis Docket 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-4 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 L.G. Janson

Title Great Bend Area Superintendent Date 01/21/94

Subscribed and sworn to before me this 21st day of January 1994.

Notary Public Mary Augustine

Date Commission Expires 6-7-94

NOTARY PUBLIC - State of Kansas  
MARY AUGUSTINE  
My Appt. Exp. 6-7-94

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Geologist Report Received  
Distribution  
KCC SWD/Rep HPGA  
KGS Plug Other  
(Specify)

Operator Name Phillips Petroleum Company Lease Name Baumer Well # 45

Sec. 27 Twp. 11S Rge. 17  East  West County Ellis

ORIGINAL

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<br>(Attach Additional Sheets.) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey                     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name                                    | Top                              | Datum                           |
| Cores Taken   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Anhydrite                               | 1195                             | +792                            |
| Electric Log Run<br>(Submit Copy.)                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Topeka                                  | 2897                             | -910                            |
| List All E.Logs Run:                                  |   | Heebner                                 | 3131                             | -1144                           |
| Acoustic Cement Bond Log                              |   | Toronto                                 | 3157                             | -1170                           |
| Dual Induction Laterlog                               |   | Lansing                                 | 3180                             | -1193                           |
| Spectral Density Dual Spaced Neutron II Log           |   | B/Kansas City                           | 3429                             | -1442                           |
|   |   | Arbuckle                                | 3468                             | -1481                           |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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   | 12.25             | 8.625                     | 24#             | 1215          | Hall. light Class A | 540<br>100   | 3% cc, 1/4# flo.<br>2% cc  |
| Production  | 7.875             | 5.5                       | 15.5#           | 3545          | HLC FA 2            | 65<br>180    | 5% calseal, .75% Halad<br>322.5# Gilsonite, 10%<br>salt, .25% D-Air, 5%<br>Calseal, 1/4# flocele |

| ADDITIONAL CEMENTING/SQUEEZE RECORD              |                  |                |             |   |
|--|------------------|----------------|-------------|---|
| Purpose:   | Depth Top Bottom | Type of Cement | #Sacks Used | STATE OF KANSAS RECEIVED<br>Type and Perforation Additives<br>COMMISSION<br>JAN 31 1994<br>CONSERVATION DIVISION<br>Wichita, Kansas |
| <input type="checkbox"/> Perforate               |                  |                |             |   |
| <input type="checkbox"/> Protect Casing          |                  |                |             |   |
| <input checked="" type="checkbox"/> Plug Back TD |                  |                |             |   |
| <input type="checkbox"/> Plug Off Zone           |                  |                |             |   |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth     |
|----------------|---|--|-----------|
| 2 SPF/11holes  | 3452-57   | 250 gal 15%  | 3452'-57' |
|                |   | 100 gal Tretolite P-38   | "         |
|                |   | 500 gal 15%  | "         |
|                |   | 2,000 gal 15%  | "         |

|               |                           |                    |           |   |
|---------------|---------------------------|--------------------|-----------|---|
| TUBING RECORD | Size <u>2 7/8 ODSREUE</u> | Set At <u>3428</u> | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|---------------------------|--------------------|-----------|---|

Date of First, Resumed Production, SWD or Inj. 11/30/93 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

|                                   |                     |         |                        |               |         |
|-----------------------------------|---------------------|---------|------------------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil <u>13</u> Bbls. | Gas Mcf | Water Bbls. <u>260</u> | Gas-Oil Ratio | Gravity |
|-----------------------------------|---------------------|---------|------------------------|---------------|---------|

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

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



# JOB SUMMARY

HALLIBURTON DIVISION Mid-Continent  
 HALLIBURTON LOCATION Hays

BILLED ON TICKET NO. 568240

## WELL DATA

FIELD Bemis-Shotts SEC. 27 TWP. 11S RNG. 17W 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. 9.3  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH 3550

|              | NEW USED | WEIGHT | SIZE  | FROM | TO   | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|------|-----------------------|
| CASING       | N        | 16.5   | 5 1/2 | 0    | 3550 |                       |
| LINER        |          |        |       |      |      |                       |
| TUBING       |          |        |       |      |      |                       |
| OPEN HOLE    |          |        |       |      |      | SHOTS/FT.             |
| PERFORATIONS |          |        |       |      |      |                       |
| PERFORATIONS |          |        |       |      |      |                       |
| PERFORATIONS |          |        |       |      |      |                       |

# ORIGINAL

## JOB DATA

| CALLED OUT        | ON LOCATION       | JOB STARTED       | JOB COMPLETED     |
|-------------------|-------------------|-------------------|-------------------|
| DATE <u>11-13</u> | DATE <u>11-13</u> | DATE <u>11-13</u> | DATE <u>11-13</u> |
| TIME <u>0430</u>  | TIME <u>0700</u>  | TIME <u>1200</u>  | TIME <u>1415</u>  |

## PERSONNEL AND SERVICE UNITS

| NAME                     | UNIT NO. & TYPE | LOCATION |
|--------------------------|-----------------|----------|
| <u>G. Palmberg</u> 91181 | 40029           | HAYS     |
| <u>D. Ash</u> E 1609     | 51143           | HAYS     |
| <u>A. Gabel</u> 85686    | 3860            | HAYS     |
| <u>M. Karlin</u>         | 3306            | HAYS     |
|                          | 4604            | HAYS     |

## TOOLS AND ACCESSORIES

| TYPE AND SIZE             | QTY. | MAKE |
|---------------------------|------|------|
| FLOAT COLLAR              |      |      |
| FLOAT SHOE                |      |      |
| GUIDE SHOE                |      |      |
| CENTRALIZERS <u>BAKER</u> |      |      |
| BOTTOM PLUG               |      |      |
| TOP PLUG                  |      |      |
| 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. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT CEMENT  
 DESCRIPTION OF JOB STATE RECEIVED  
Cement Production Commission  
Casing  
JAN 31 1994  
 CONSERVATION DIVISION  
 WICHITA, KANSAS  
 CUSTOMER REPRESENTATIVE X  
 HALLIBURTON OPERATOR G. Palmberg  
 COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT      | BRAND | BULK SACKED | ADDITIVES   | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|-------------|-------|-------------|---|------------------|-----------------|
|       | <u>65</u>       | <u>HLC</u>  |       | <u>B</u>    |   | <u>1.97</u>      | <u>12.4</u>     |
|       | <u>130</u>      | <u>EA-2</u> |       | <u>B</u>    | <u>5% Calseal, 0.75% Halid 322, 5% Calson 6</u>   | <u>1.33</u>      | <u>15.2</u>     |
|       | <u>50</u>       | <u>EA-2</u> |       |             | <u>10% Salt, 0.25% D-AIR</u><br><u>5% Calseal, 14% Flocc, 19% CC</u><br><u>0.25% D-AIR, 19% LAP-1</u> | <u>1.30</u>      | <u>15.3</u>     |

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 86.5  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 65.2  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. 147.7  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 83 REASON Shoe Point

## REMARKS

See Job Log.  
"Think you"  
Had, Done, Also, Mel

CUSTOMER Phillips 66  
 LEASE Bramer  
 WELL NO. 8-45  
 JOB TYPE Prod  
 DATE 11-13-93



JOB LOG FORM 2013 R-4

DATE 11-13-93 PAGE NO. 1

CUSTOMER Phillips Pet. WELL NO. B-45 LEASE Baumer JOB TYPE Production Casing TICKET NO. 568240

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes entries for 0930, 0700, 0950, 1235, 1310, 1324, 1326, 1337, 1338, 1415.

STATE RECEIVED CORPORATION COMMISSION JAN 31 1994 CONSERVATION DIVISION Wichita, Kansas

Thank You, Paul, Dave, Alan & Mel

WORK ORDER CONTRACT

JOB ID: 521433-0

TO: HALLIBURTON ENERGY SERVICES: YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING:

|  |                             |                    |             |                                 |
|--|-----------------------------|--------------------|-------------|---------------------------------|
| WELL NO.<br>45                         | FARM OR LEASE<br>Baumer 'B' | COUNTY<br>Eills    | STATE<br>KS | WELL PERMIT NO.<br>15-051-24963 |
| CUSTOMER<br>Phillips Petroleum Company |                             | WELL OWNER<br>SAME |             | JOB PURPOSE<br>621 ORIGINAL     |

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED.

For good and valuable consideration received, Customer (as identified above) 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 contract 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 contract 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 contract, 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.

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

|                |  |          |      |
|----------------|--|----------|------|
| NAME (PRINTED) | CUSTOMER OR CUSTOMER'S AGENT SIGNATURE | DATE     | TIME |
|                | <i>[Signature]</i>                     | 11/17/93 |      |

The Customer hereby acknowledges receipt of the materials and services described on the attached field ticket which carries Job ID number indicated above.

SIGNED  X

RECEIVED  
STATE CORPORATE COMPLIANCE  
NOV 31 1993  
CONSERVATION DIVISION  
Houston, Texas

AM  
 PM



## TERMS AND CONDITIONS

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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.







**SUMMARY**

**WELL DATA**

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

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

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

INTAKE 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 |
|----------|--------|---------------|-----------|----|-----------------------|
| <i>N</i> |        | <i>2 1/2"</i> | <i>KA</i> |    |                       |
|          |        |               |           |    |                       |
|          |        |               |           |    |                       |
|          |        |               |           |    |                       |
|          |        |               |           |    |                       |
|          |        |               |           |    |                       |
|          |        |               |           |    |                       |
|          |        |               |           |    |                       |
|          |        |               |           |    |                       |
|          |        |               |           |    |                       |

**ORIGINAL**

**JOB DATA**

| CALLED OUT          | ON LOCATION         | JOB STARTED         | JOB COMPLETED       |
|---------------------|---------------------|---------------------|---------------------|
| DATE <i>11-8-93</i> | DATE <i>11-8-93</i> | DATE <i>11-8-93</i> | DATE <i>11-8-93</i> |
| TIME <i>0910</i>    | TIME <i>1115</i>    | TIME <i>2205</i>    | TIME <i>2330</i>    |

**PERSONNEL AND SERVICE UNITS**

| NAME               | UNIT NO. & TYPE   | LOCATION        |
|--------------------|-------------------|-----------------|
| <i>R. Robinson</i> | <i>40091</i>      | <i>Hays, KS</i> |
| <i>D. Dabost</i>   | <i>3244</i>       | <i>" "</i>      |
| <i>D. Beland</i>   | <i>512334/604</i> | <i>" "</i>      |
| <i>P. Kuhn</i>     | <i>52361</i>      | <i>" "</i>      |

**TOOLS AND ACCESSORIES**

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

**MATERIALS**

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

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

\_\_\_\_\_ LB

\_\_\_\_\_ GAL

\_\_\_\_\_ QTY

NETTING AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN

FOAMING AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ LB

PERF/PAC BALL TYPE \_\_\_\_\_ QTY \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT *CRMT*

DESCRIPTION OF JOB *CRMT SURF*

JOB DONE THRU: TUBING  CASING

CUSTOMER REPRESENTATIVE *X*

HALLIBURTON OPERATOR *Sam Robinson*

**STATE RECEIVED**  
**JAN 31 1994**  
**CONSERVATION DIVISION**  
 Wichita, Kansas

**CEMENT DATA**

| STAGE | NUMBER BAGS | CEMENT     | BRAND | BULK SACKED | ADDITIONS                       | WATER CU. FT./BK | WATER LB./GAL |
|-------|-------------|------------|-------|-------------|---------------------------------|------------------|---------------|
|       | <i>540</i>  | <i>Hic</i> |       | <i>5</i>    | <i>3 2/3% - 1/2" flake 1/2"</i> | <i>1.84</i>      | <i>12.7</i>   |
|       | <i>100</i>  | <i>575</i> |       | <i>5</i>    | <i>2 2/3%</i>                   | <i>1.18</i>      | <i>15.6</i>   |

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

\_\_\_\_\_ INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

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

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

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

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

REASON *40" customer Request*

PRESLUSH: BBL-GAL \_\_\_\_\_

LOAD & BKON: BBL-GAL \_\_\_\_\_

TREATMENT: BBL-GAL \_\_\_\_\_

CEMENT SLURRY: BBL-GAL *176.96 + 21*

TOTAL VOLUME: BBL-GAL \_\_\_\_\_

REMARKS *Shut in job*

CUSTOMER: *Halliburton Services*  
 DATE: *11-8-93*



ORIGINAL

DATE 11-8-93 PAGE NO. 1

JOB NO. 2013 R-4  
 CUSTOMER Phillips Petroleum WELL NO. R-45 LEASE Baumer JOB TYPE surface TICKET NO. 568180

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS |   | PRESSURE (PSI) |        | DESCRIPTION OF OPERATION AND MATERIALS  |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
|           |      |            |                    | T     | C | TUBING         | CASING |   |
|           | 0910 |            |                    |       |   |                |        | called out in surf pipe (95")<br>w/ 540 SKS NLS 3 Disc 4 1/2 floater<br>4100 SKS STD 2 Disc |
|           | 1115 |            |                    |       |   |                |        | on loc, Drilling @ 995' set up rig  |
|           | 1315 |            |                    |       |   |                |        | made bit trip Bit Bad   |
|           | 1745 |            |                    |       |   |                |        | Hole made @ 1212.5 Bit Bad Out TRK  |
|           | 1830 |            |                    |       |   |                |        | Pull DP   |
|           | 1945 |            |                    |       |   |                |        | ST. cong 8 1/2" - 24"   |
|           | 2130 |            |                    |       |   |                |        | cong to TD, Hook to Rig & in  |
|           | 2200 | 8.5        |                    |       |   |                |        | ST. cement 540 SKS NLS<br>4100 SKS STD  |
|           | 2245 | 8.5        | 197.6              |       |   |                |        | 200 cm + mixed, Bal plug & ST. Displ  |
|           | 2305 | 6          | 75.3               |       |   |                |        | 500 plug displ to 1179' cm + in<br>to pit (50 SKS)<br>Wash & rock up SK                     |

Job complete  
 [Signature]

RECEIVED  
 STATE CORPORATION COMMISSION  
 JAN 31 1994  
 CONSERVATION DIVISION  
 Wichita, Kansas



CHARGE TO: *Phillips Petroleum*  
 ADDRESS: *510 NW 3rd*  
 CITY, STATE, ZIP CODE: *Plainville, KS 66163*

TICKET No. 568180 - 8

FORM 1906 R-12

1. SERVICE LOCATION: *Hays, KS 25525*  
 WELL PRODUCTION NO.: *B-45* LEASE: *Baumer* COUNTY: *Ellis* STATE: *KS* CITY/OFFSHORE LOCATION: DATE: *11-8-93* OWNER: *Same*  
 2. TICKET TYPE:  SERVICE  SALES NITROGEN JOB?  YES  NO CONTRACTOR: *Murfin Rig #8* RIG NAME: *Same* DELIVERED TO: *40 RD 93* ORDER NO.: *40 RD 93*  
 3. WELL TYPE: *01* WELL CATEGORY: *01* JOE PURPOSE: *010* WELL PERMIT NO.: *150 5124 8630000*  
 4. REFERRAL LOCATION: *CON T 1212 SURF PIPE w/ 540 SKS N464 100 STD*

RECEIVED STATE CORPORATION COMMISSION

JAN 3 1 1994 CONSERVATION DIVISION

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING |      |    | TIME | DESCRIPTION           | QTY.          |                   | UNIT |  | UNIT PRICE    | AMOUNT        |
|-----------------|----------------------------------|------------|------|----|------|-----------------------|---------------|-------------------|------|--|---------------|---------------|
|                 |                                  | LOC        | ACCT | OF |      |                       |               |                   |      |  |               |               |
| <i>001-117</i>  |                                  |            |      |    |      | <i>MILEAGE # 3244</i> | <i>21 mi</i>  | <i>1 ea</i>       |      |  | <i>2.75</i>   | <i>57.2</i>   |
| <i>001-016</i>  |                                  |            |      |    |      | <i>Pump chg</i>       | <i>125 FT</i> |                   |      |  |               | <i>1060.0</i> |
| <i>030-018</i>  | <i>402-15282</i>                 |            |      |    |      | <i>5 w Plug</i>       | <i>1 ea</i>   | <i>85' 2" dia</i> |      |  | <i>130.00</i> | <i>130.00</i> |

ORIGINAL

**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 D.J. Stahl*  
 DATE SIGNED: *11-8-93* TIME SIGNED: *1709*  A.M.  P.M.  
 do  do not verify S.O. (Instrument Perfect)  Not allowed

SUB SURFACE SAFETY VALVE:  PLUG  
 TYPE LOCK  
 BEAN SIZE  
 TYPE OF EQUIP  
 TUBING SIZE  
 TRICE COMP

| SURVEY   | AGREE   | UN-DECIDED | DIS-AGREE | PAGE TOTAL   |
|--|---|------------|-----------|--|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?                               | <input checked="" type="checkbox"/>                                 |            |           | <i>1247</i>  |
| WE UNDERSTOOD AND MET YOUR NEEDS?  | <input checked="" type="checkbox"/>                                 |            |           | <i>FROM CONTINUATION PAGE(S) 6309</i>                            |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY?                                 | <input checked="" type="checkbox"/>                                 |            |           |  |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | <input checked="" type="checkbox"/>                                 |            |           |  |
| ARE YOU SATISFIED WITH OUR SERVICE?                                      | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |            |           |  |
| <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND                |   |            |           | SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <i>7,556</i> |

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): *Dave Stahl* CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: *X D.J. Stahl*  
 OPERATOR/ENGINEER: *Richie* EMP # *19734* HALLIBURTON APPROVAL: *[Signature]*

NOV 11:53AM HALLIBURTON SERVICES HAYS KS

