

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

Well No. 085121255-6000
ORIGINAL
County Finney

SE NE NW Sec. 11 Twp. 25S Rng. 33 East West
4030 Foot from SE (circle one) Line of Section
2655 Foot from EW (circle one) Line of Section
Footage, Calculated from Nearest Outside Section Corner:
to SE NW, or SW (circle one)

Operator: License # 5952
Name: Amoco Production Company
Address P O Box 800
Room 925
City/State/Zip Denver, Co 80201

Lease Name Reeve GU Well # 3HI
Field Name Hugoton
Producing Formation Chase
Elevation: Ground 2901' KB 2912'

Purchaser: _____
Operator Contact Person: Ellen Hartzler
Phone (303) 830-5130
Contractor: Name: Cheyenne Drilling
License: 5832
Wellsite Geologist: None

Total Depth 2819' PBDT 2817.50'
Amount of Surface Pipe Set and Cemented at 1068 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.

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

Drilling Fluid Management Plan ALT 1 JH 8-18-94
(Data must be collected from the Reserve Pit)
Chloride content 5800 ppm Fluid Volume 2140 bbls
Downhole method used dried and filled
Location of fluid disposal if hauled offsite: _____

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 Perm
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
12/08/93 12/10/93 02/14/94
Spud Date Date Reached TD Completion Date

Operator Name _____
Lease Name KANSAS CORPORATION COMMISSION License No. _____
Quarter APR 18 1994 Twp. _____ S. Rng. _____ EW
County _____ Docket No. _____
RECEIVED
KANSAS CORPORATION COMMISSION
APR 18 1994
CONSERVATION DIVISION
WICHITA, KS

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-11 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 to the best of my knowledge.

Signature Ellen Hartzler
Title Sr. Staff Assistant Date April 15, 1994
Subscribed and sworn to before me this 14TH day of APRIL 1994
Secretary Public Juan Calhoun Commission Expires August 02, 1994
Date Commission Expires _____

K.C.C. OFFICE USE ONLY
 Letter of confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 XCC SWD/Trp NGPA
 XCS Plug Other (Specify)

81

Operator Name Amoco Production Company Lease Name Rēeve Gu Well # 3HI
 County Finney
 Sec. 11 Twp. 25S Rge. 33 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.) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Herrington</td> <td>2534</td> <td>KB</td> </tr> <tr> <td>Krider</td> <td>2558</td> <td></td> </tr> <tr> <td>Winfield</td> <td>2591</td> <td></td> </tr> <tr> <td>Towanda</td> <td>2650</td> <td></td> </tr> <tr> <td>Ft. Riley</td> <td>2709</td> <td></td> </tr> </tbody> </table> | Name | Top | Datum | Herrington | 2534 | KB | Krider | 2558 | | Winfield | 2591 | | Towanda | 2650 | | Ft. Riley | 2709 | |
|---|---|--|-------|-----|-------|------------|------|----|--------|------|--|----------|------|--|---------|------|--|-----------|------|--|
| Name | Top | | Datum | | | | | | | | | | | | | | | | | |
| Herrington | 2534 | | KB | | | | | | | | | | | | | | | | | |
| Krider | 2558 | | | | | | | | | | | | | | | | | | | |
| Winfield | 2591 | | | | | | | | | | | | | | | | | | | |
| Towanda | 2650 | | | | | | | | | | | | | | | | | | | |
| Ft. Riley | 2709 | | | | | | | | | | | | | | | | | | | |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | | | | | | |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | | | | | | | | | | | | | |
| Electric Log Run (Submit Copy.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | | | | | | | |
| Was All E. Logs Run: | <u>COMPENSATED SPECTRAL GAMMA</u> | | | | | | | | | | | | | | | | | | | |

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# | 1068 | Class C | 475 | |
| Production | 7 7/8" | 5 1/2" | 15.5# | 2819 | Class C | 525 | |

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 Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth | |
|----------------|---|---|------------------------|
| | | 4 | 2618-2652; 2558-2599; |
| | | Sand | |
| | | Acidize w/1200 gals. 15% HCL; | 2618-2652 |
| | | 1500 gals 20% HCL | 2558-2599 2680-2728 |

TUBING RECORD N/A Size _____ 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 Met | Water Bbls. | Gas-Oil Ratio | Gravity |
| | | 250 | | | |

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 2558-2728

(If vented, submit ACO-18) Other (Specify) _____

ORIGINAL

DRILLERS LOG

AMOCO PRODUCTION COMPANY
REEVE GU NO. 2 HI
SECTION 11-T25S-R33W
FINNEY COUNTY, KANSAS

API#15-055-21255

COMMENCED: 12-08-93
COMPLETED: 12-10-93

SURFACE CASING: 1061' OF 8 5/8"
CMTD W/325 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 |
|------------------|------------------|
| CONDUCTOR CASING | 0- 63 |
| SURFACE HOLE | 63-1068 |
| RED BED | 1068-1445 |
| GLORIETTA SAND | 1445-1610 |
| RED BED | 1610-2819 RTD |


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

CHEYENNE DRILLING, INC.

Claude E. Norwood
CLAUDE E. NORWOOD

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 13TH DAY OF DECEMBER, 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
APR 18 1994
CONSERVATION DIVISION
Wichita, Ks

JOB LOG FORM 2013 R-4

| | | | | |
|-----------------|----------|------------|-------------------|------------|
| CUSTOMER | WELL NO. | LEASE | JOB TYPE | TICKET NO. |
| AMOCO PROD CORP | 3HI | KEENE G.U. | 5 1/2 LONG STRING | 648046 |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|--|
| | | | | T | C | TUBING | CASING | |
| | 0430 | | | | | | | CALLED OUT READY 0800 |
| | 0700 | | | | | | | ON LOCT. L.D.D.P. |
| | 0840 | | | | | | | START RUNNING CSG. |
| | 1050 | | | | | | | PUMP TRUCK ON LOCT. |
| | 0950 | | | | | | | HOOK UP RIG TO SWEDGE TO CIRCULATE |
| | 1014 | | | | | | | CIRCULATION TO P.I.T |
| | 1015 | | | | | | | WAITING ON BULK TRUCKS |
| | 1500 | | | | | | | BULK TRUCKS ON LOCT. |
| | 1515 | | | | | | | HOOK UP CMT. HEAD |
| | 1530 | 5.5 | 156 | | | 150 | | START LEAD CMT. 12.3°/GAL |
| | 1558 | 5 | 23 | | | 150 | | START TAIL CMT 14.8°/GAL |
| | 1603 | 0 | 0 | | | 0 | | SHUT DOWN DROP PLUG |
| | 1611 | 6 | 57 | | | 80 | | START D.SPLACEMENT H ₂ O |
| | 1620 | 1.5 | 67 | | | 700 | | SLOW RATE DOWN 67 TOTAL |
| | 1627 | 0 | 0 | | | 1200 | | PLUG LANDED - FLOAT HELD |
| | | | | | | | | JOB OVER |
| | | | | | | | | AUG LEAD RATE 5.5 |
| | | | | | | | | AUG TAIL RATE 5 |
| | | | | | | | | AUG LEAD PRESSURE 150 |
| | | | | | | | | AUG TAIL PRESSURE 150 |
| | | | | | | | | AUG D.SPLACEMENT RATE 4.5 |
| | | | | | | | | AUG D.SPLACEMENT PRESSURE 800 |
| | | | | | | | | THANKS FOR CALLING |
| | | | | | | | | HALLIBURTON ENERGY SERVICES |
| | | | | | | | | TIM BROHAFOT & CREW |
| | | | | | | | | 67 BBL CMT P.I.T |
| | | | | | | | | 182 SKS P.I.T |

RECEIVED
 KANSAS CORPORATION COMMISSION
 APR 18 1994
 CONSERVATION DIVISION
 WICHITA, KS

JOB SUMMARY

MID CONT. WEST AREA
LIBERAL KS.

BILLED ON TICKET NO. 648046

ORIGINAL

WELL DATA

FIELD _____ SEC. 11 TWP. 25S RNG. 33W COUNTY Finney STATE KS

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|-------|------|-------|-----------------------|
| CASING | N | 15.5 | 5 1/2 | K.B. | 2819+ | |
| LINER CSG | W | 24 | 3 5/8 | G.L. | 1068 | |
| TUBING | | | | | | |
| OPEN HOLE | | | 7 1/8 | 1068 | 2819 | 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 _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

| CALLLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|----------------------|----------------------|----------------------|----------------------|
| DATE <u>12-10-93</u> | DATE <u>12-10-93</u> | DATE <u>12-10-93</u> | DATE <u>12-10-93</u> |
| TIME <u>0430</u> | TIME <u>0700</u> | TIME <u>1530</u> | TIME <u>1630</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-----------------|-----------------|-------------|
| BROADFOOT D1604 | 38242 | LIBERAL KS. |
| T DAVIS F4550 | 52947 15496 | " |
| CORNELSON G2569 | 3625 5839 | HUGOTON KS. |
| CLARK G2724 | 3626 7649 | " |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|------------------------------------|----------|--------------|
| FLOAT COLLAR <u>HONGO WELD 1LB</u> | <u>1</u> | <u>H</u> |
| FLOAT SHOE <u>SS II 5 1/2"</u> | <u>1</u> | <u>0 W C</u> |
| GUIDE SHOE | | |
| CENTRALIZERS | | |
| BOTTOM PLUG <u>S-4 "</u> | <u>5</u> | <u>0</u> |
| TOP PLUG <u>SW "</u> | <u>1</u> | |
| 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. _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

RECEIVED
KANSAS CORPORATION COMMISSION
APR 1 1994
CONSERVATION DIVISION
WICHITA, KS

DEPARTMENT CEMENT

DESCRIPTION OF JOB 5 1/2 LONG STRING CSG.

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Jim Broadfoot COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----------|-----------------|---------------------|-------|-------------|------------------------|------------------|-----------------|
| <u>1</u> | <u>425</u> | <u>PREM PLUS LT</u> | | <u>B</u> | <u>1/4" SK FLOCELE</u> | <u>2.06</u> | <u>12.3</u> |
| <u>1</u> | <u>100</u> | <u>PREM PLUS</u> | | <u>B</u> | <u>1/4" SK FLOCELE</u> | <u>1.32</u> | <u>14.8</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. 67

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 156 - 2315

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

RAMARKS
67 BBL CMT P.I.T
182 SKS P.I.T

CUSTOMER AMOCO PROD. CORP. LEASE RECEIPT G.W. WELL NO. 3117 JOB TYPE 5 1/2 LONG STRING DATE 12-10-93



HALLIBURTON
ENERGY SERVICES

TICKET CONTINUATION

COPY

TICKET No. 643796

FORM 1911 R-8

| CUSTOMER | | | | | WELL | | | | DATE | PAGE | OF |
|-----------------|-------------------------------------|------------|------|----|-------|--------------------------|---------|-----|------------|---------|-----|
| Amoco | | | | | Reeve | | | | 12-10-93 | 2 | 12 |
| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | TIME | DESCRIPTION | QTY. | | UNIT PRICE | AMOUNT | |
| | | LOC | ACCT | DF | | | QTY. | U/M | | QTY. | U/M |
| 504-050 | 516.00265 | | | | | Premium Plus Cement | 100 | sk | 9.22 | 922.00 | |
| 504-120 | | | | | | Halliburton Light Cement | 425 | sk | 8.21 | 3489.25 | |
| 504-050 | 516.00265 | | | | | | | | | | |
| 506-103 | 516.00286 | | | | | | | | | | |
| 506-121 | 516.00259 | | | | | | | | | | |
| 507-210 | 890.50071 | | | | | Flocele 1/4#/525 | 131 | lb | 1.40 | 183.40 | |
| 500-207 | | | | | | SERVICE CHARGE | | | 1.45 | 720.90 | |
| 500-306 | | | | | | MILEAGE CHARGE | 48 | 725 | | | |
| | | | | | | TOTAL WEIGHT | 48 | 725 | | | |
| | | | | | | LOADED MILES | 50 | | | | |
| | | | | | | CUBIC FEET | 534 | | | | |
| | | | | | | TON MILES | 1218.13 | | 95 | 1157.22 | |

ORIGINAL

RECEIVED
 KANSAS CO. OPERATIONS
 DIVISION
 1994
 RECEIVED
 KANSAS CO. OPERATIONS
 DIVISION

CONTINUATION TOTAL 6472.97



HALLIBURTON ENERGY SERVICES

CHARGE TO: Amoco Prod Corp
 ADDRESS: 2225 W OKLA AVE
 CITY, STATE, ZIP CODE: WIXOM KS 67880

COPY

TICKET

No.

648046 - 3

PAGE 1 OF 2

FORM 1906 R-13

| | | | | | | | |
|---|--|--|---------------------------------|--------------------|-----------------------------|---------------------------------|-----------------------|
| 1. SERVICE LOCATIONS <u>1. L BEAL KS</u> | WELL/PROJECT NO. <u>3HT</u> | LEASE <u>REEVE GULF ENERGY</u> | COUNTY/PARISH <u>JENNEY</u> | STATE <u>KS</u> | CITY/OFFSHORE LOCATION | DATE <u>12-10-93</u> | OWNER <u>AMOCO</u> |
| 2. <u>1160-11 KS</u> | TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES | NITROGEN JOB? <input type="checkbox"/> YES <input type="checkbox"/> NO | CONTRACTOR <u>CHEVYNE 3'</u> | RIG NAME/NO. | SHIPPED VIA <u>TRUCK</u> | DELIVERED TO <u>LOCATION</u> | ORDER NO. |
| 3. | WELL TYPE <u>02</u> | WELL CATEGORY <u>01</u> | JOB PURPOSE <u>035</u> | WELL PERMIT NO. | WELL LOCATION | | |
| 4. REFERRAL LOCATION | INVOICE INSTRUCTIONS | | | | | | |

ORIGINAL

| PRICE REFERENCE | SECONDARY REFERENCE/PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | | U/M | | UNIT PRICE | AMOUNT |
|-----------------|---------------------------------|------------|------|----|--------------------|-------|----|-----|------|------------|--------|
| | | LOC | ACCT | DF | | | | | | | |
| 000-117 | | | | | MILEAGE | 130 | mi | 1 | unit | 2.75 | 357.50 |
| 001-016 | | | | | PUMP CHARGE | 2819 | FT | 6 | HR | | 1345 - |
| 030-016 | | | | | 500 TAP PLUG | 5 1/2 | in | 1 | EA | (820) | 60 - |
| 5A | 837.07100 | | | | SS-II 7/16 AT SHOE | 11 | " | 1 | " | | 225 - |
| 40 | 806.60022 | | | | S-4 CENTRALIZERS | 11 | " | 15 | EA | 44 - | 220 - |
| 350 | 890.10802 | | | | WELD "A" | 1 | LB | 1 | EA | | 14.00 |

RECEIVED
 KANSAS CORPORATION COMMISSION
 APR 18 1994
 REGULATION DIVISION
 TOPEKA, 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: 12-10-93 TIME SIGNED: 11:30 A.M. P.M.

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

| | | | | | | |
|---|-----------------|---|------------|-----------|---------------------------|---------|
| SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN | SURVEY | AGREE | UN-DECIDED | DIS-AGREE | PAGE TOTAL | 2222 - |
| TYPE LOCK | DEPTH | OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | FROM CONTINUATION PAGE(S) | 6472 77 |
| BEAN SIZE | SPACERS | WE UNDERSTOOD AND MET YOUR NEEDS? | | | | |
| TYPE OF EQUALIZING SUB. | CASING PRESSURE | OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | | |
| TUBING SIZE | TUBING PRESSURE | WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | | |
| TREE CONNECTION | TYPE VALVE | ARE YOU SATISFIED WITH OUR SERVICE? <input 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: 8694.77

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) <u>SAM CARBON</u> | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X | HALLIBURTON OPERATOR/ENGINEER <u>[Signature]</u> | EMP # | HALLIBURTON APPROVAL <u>w/39% disc. 5303.81</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. (0593)

CUSTOMER **Amoco Prod.** WELL NO. **3 HI** LEASE **Rebur Gu** JOB TYPE **Surface** TICKET NO. **549250**

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | 1200 | | | | | | | called out |
| | 1400 | | | | | | | on loc R's drilling |
| | 1750 | | | | | | | start CSG |
| | 1834 | | | | | | | CSG on Bottom |
| | 1840 | | | | | | | circulate w/R's |
| | 1855 | | | | | | | Hook Truck |
| | 1900 | | 119 | | | 200 | | mix lead cement |
| | 1923 | | 35.0 | | | 150 | | mix Tail cement |
| | 1928 | | | | | 0 | | Drop Plug |
| | 1930 | | | | | 100 | | start disp |
| | 1942 | 1/2 | 60 | | | 350 | | slow Rate |
| | | | 65 | | | 500 | | Plug down |
| | | | | | | | | shut in manifold "No float" |
| | | | | | | | | Lead 65 |
| | | | | | | | | Average Rate Tail 6 |
| | | | | | | | | Disp 45 |
| | | | | | | | | Lead 200 |
| | | | | | | | | Average PSI Tail 150 |
| | | | | | | | | Disp 300 |
| | | | | | | | | circulated 20 BBL cement to ft. |
| | | | | | | | | Job complete Thank you for calling Halliburton Services |
| | | | | | | | | Bill Jandus and crew. |

RECEIVED
 KANSAS CORPORATION COMMISSION

APR 18 1994

 CONSERVATION DIVISION
 WICHITA, KS

WELL DATA

FIELD _____ SEC. 11 TWP. 25S RNG. 33W COUNTY Finney STATE ORIGINAL

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|--------|--------|------|------|-----------------------|
| CASING | IV | 24 | 8 5/8 | KB | 1068 | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | 12 1/4 | KB | 1068 | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|--------------------|---------------------|---------------------|---------------------|
| DATE <u>8-8-93</u> | DATE <u>12-8-93</u> | DATE <u>12-8-93</u> | DATE <u>12-8-93</u> |
| TIME <u>1200</u> | TIME <u>1600</u> | TIME <u>1850</u> | TIME <u>2030</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|------------|-----------------|----------|
| B. Sauber | 64781 PU | Liberal |
| R. Crist | 07653 AOC | Liberal |
| H. Tedder | 56623 BUIK | Hugoton |
| C. Correll | G-2569 BUIK | Hugoton |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|---------------|------|--------|
| FLOAT COLLAR | | |
| FLOAT SHOE | | |
| GUIDE SHOE | | |
| CENTRALIZERS | 3 | H |
| BOTTOM PLUG | | |
| TOP PLUG | 1 | W |
| HEAD | | |
| PACKER | 1 | Weld A |
| OTHER | 1 | Raffle |

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.

GELLING AGENT TYPE _____ GAL. _____ LB.

FRIC. RED. AGENT TYPE _____ GAL. _____ LB.

BREAKER TYPE _____ GAL. _____ LB.

BLOCKING AGENT TYPE _____ GAL. _____ LB.

PERFPAC BALLS TYPE _____

OTHER _____

OTHER _____

RECEIVED
KANSAS CORPORATION COMMISSION
APR 18 1994
CONSERVATION DIVISION
WICHITA, KS

DEPARTMENT Cement

DESCRIPTION OF JOB Cement 8 5/8 surface CSG

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

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Bill Sauber COPIES REQUESTED _____

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|-------|-----------------|--------|-------|-------------|-----------------|------------------|-----------------|
| | 325 | CLTWT | | B | 2%cc 1/4# flocc | 2.00 | 12.3 |
| | 150 | C | | B | 2%cc 1/4# flocc | 1.30 | 14.8 |

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. 65

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 419 lead 350 tail

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 44.62 REASON Feet

REMARKS

circulated 20 BBL cement to pit

CUSTOMER: Amoco Prod.
LEASE: Reeve
WELL NO: ECU 3HT
JOB TYPE: Surface
DATE: 12-8-93



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

COPY

TICKET

No.

549250-9

PAGE 1 OF 2

FORM 1906 R-12

ORIGINAL

| | | | | | | | |
|--|---|------------------------------------|------------------------------------|---------------------------|---------------------------------|------------------------|----------------------|
| SERVICE LOCATIONS <u>Liberal</u> <u>Hagoton</u> | WELL/PROJECT NO. <u>3 HI</u> | LEASE <u>Reeve GU</u> | COUNTY/PARISH <u>Finney</u> | STATE <u>KS</u> | CITY/OFFSHORE LOCATION | DATE <u>12-8-93</u> | OWNER <u>Same</u> |
| TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES | NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | CONTRACTOR <u>Cheyenne Orlg</u> | RIG NAME/NO. <u>Cheyenne #3</u> | SHIPPED VIA <u>TRK</u> | DELIVERED TO <u>Location</u> | ORDER NO. | |
| WELL TYPE <u>01</u> | WELL CATEGORY <u>01</u> | JOB PURPOSE <u>010</u> | WELL PERMIT NO. | WELL LOCATION | REFERRAL LOCATION | INVOICE INSTRUCTIONS | |

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | TIME | DESCRIPTION | QTY. | | UNIT PRICE | AMOUNT |
|-----------------|-------------------------------------|------------|------|----|------|-------------|------|------|------------|---------|
| | | LOG | ACGT | DF | | | QTY. | U/M | | |
| 000-117 | | | | | | MILEAGE TO | 120 | mi | 2.75 | 330.00 |
| 001-016 | | | | | | Pump Charge | 1068 | feet | (647) | 1060.00 |
| 030-018 | | | | | | TOP Plug | 1 | eq | | 130.00 |
| 597 | 825.1269 | | | | | Baffle | 1 | eq | | 45.00 |
| 40 | 806.6059 | | | | | Centralizer | 3 | eq | 72.00 | 216.00 |
| 350 | 89010802 | | | | | WELD A | | | | 14.50 |

RECEIVED
 W/S CORPORATION COMMISSION
 APR 18 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: _____ TIME SIGNED: _____ A.M. P.M.

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

| | | | | | | | |
|--|-----------------|--|---|-------|------------|-----------|--|
| SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN | | SURVEY | | AGREE | UN-DECIDED | DIS-AGREE | PAGE TOTAL <u>1795</u> <u>50</u> FROM CONTINUATION PAGE(S) <u>6186</u> <u>42</u> <u>7981</u> <u>92</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? | | | | | |
| TUBING SIZE | TUBING PRESSURE | WELL DEPTH | WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | | |
| TREE CONNECTION | TYPE VALVE | | ARE YOU SATISFIED WITH OUR SERVICE? <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) <u>Sam Carmack</u> | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X | HALLIBURTON OPERATOR/ENGINEER <u>Bill Faulstich</u> | EMP # <u>64781</u> | HALLIBURTON APPROVAL <u>w/39%</u> <u>clie</u> | <u>4868.97</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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

~~KSNM74984~~ KS GLO 09475

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Reeve Gas Unit

8. FARM OR LEASE NAME, WELL NO.

Reeve Gas Unit 3HI DWA

9. API WELL NO.

15-055-21255-0000

10. FIELD AND POOL, OR WILDCAT

Hugoton

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 11-25S-33W

12. COUNTY OR PARISH 13. STATE

Finney

KS

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL

DEEPEN

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 800, Room 925, Denver, CO 80122 (303) 830-5130

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

4030' FSL and 2655' FEL, SE NE NW Sec. 11, 25S-33W

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

3.5 miles from Garden City, Kansas

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

1250' Unit line

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1399'

19. PROPOSED DEPTH

2822

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

2901' est. GR

22. APPROX. DATE WORK WILL START*

12/08/93

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|-----------------------|-----------------|---------------|--------------------|
| 12 1/4" | 8 5/8" WC-50 | 24# | 1068' | 475 sx. class C |
| 7 7/8" | 5 1/2" CF-50 | 15.5# | 2819' | 525 sx class C |
| 3" | 8" cond. | | 63' | 615x. concrete |

EXHIBITS

- #1 Road Access Map
- #2 On Well Pad
- #3 Casing Head Diagram
- #4 Gas Pipeline
- #5 Surface Use
- #6 Drill Pad
- #7 Location of Existing Wells
- #8 Plat
- #9 Rig Layout

#10 Archaeologic Survey

RECEIVED
STATE CORPORATION COMMISSION

NOV 27 1995

CONSERVATION DIVISION

JUN 5 10 03 AM 1995
 STATE CORPORATION COMMISSION

Kansas Corporation Commission
Attn Steve Durrant

SUBJECT TO THE ATTACHED CONDITIONS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED *N. Ellen Hartley* TITLE Staff Assistant DATE 5/31/95

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY (ORIG. SGD.) VIRGIL L. PAULI TITLE VIRGIL L. PAULI SUPERVISORY PETROLEUM ENGINEER FLUID OPERATIONS TEAM DATE NOV 21 1995

*See Instructions On Reverse Side