

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

Operator: License # 5447

Name: OXY U.S.A. Inc.

Address P.O. Box 27570

City/State/Zip Houston, TX 77227-7570

Purchaser: Duke Energy

Operator Contact Person: Bill Berry

Phone (713) 215-7310

Contractor: Name: Cheyenne Drilling

License: 5382

Wellsite Geologist: None

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/Reentry: Old Well Info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back _____ PBDT _____

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

2/4/98 2/14/98 4/2/98

Spud Date Date Reached TD Completion Date

API NO. 15- 175-21697-0001

County Seward

SE NW SE Sec. 22 Twp. 32S Rge. 34 X W E

1430 FSL Feet from S/N (circle one) Line of Section

1450 FEL Feet from E/W (circle one) Line of Section

1450
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name HITCH C Well # 4

Hugoton

Producing Formation CHASE

Elevation: Ground 2907 KB 2918

Total Depth 6350 PBDT 2936

Amount of Surface Pipe Set and Cemented at 1693 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.

Drilling Fluid Management Plan AA-129-2-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1800 ppm Fluid volume 600 bbls

Dewatering method used EVAPORATION

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rge. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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.

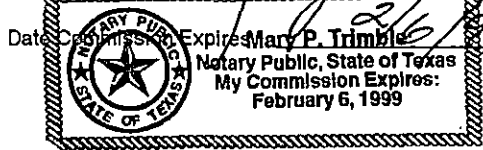
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Bill Berry

Title Engineering Technician Date 8/25/98

Subscribed and sworn to before me this 25th day of August, 1998.

Notary Public Mary P. Trimble



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
_____ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other (Specify) _____

Operator Name OXY U.S.A. Inc. Lease Name HITCH C Well # 4
 Sec. 22 Twp. 32S Rge. 34 East West
 County SEWARD

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 Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)
 List All E.Logs Run:
 Borehole Compensated Sonic
 Microlog
 Dual Induction Laterolog

| Name | Formation (Top), Depth and Datums | |
|---------------|-----------------------------------|-------|
| | Top | Datum |
| Winfield | 2678 | +240 |
| Council Grove | 2920 | -2 |
| Heebner | 4180 | -1262 |
| Toronto | 4208 | -1290 |
| Lansing | 4314 | -1396 |

| 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 1/4" | 8 5/8" | 24 | 1693 | Class A | 465 | 3% CC |
| Production | 7 7/8" | 5 1/2" | 14 | 2963 | Class A | 410 | 2% CC |

| 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 | 2576-2580 | Acidized w/1600 gal. 7.5% HCL; | |
| 4 | 2604-2608 | Frac'd w/769 bbls. | |
| 6 | 2638-2644 | | |
| 2 | 2680-2682 | | |

| TUBING RECORD | | | | | | | |
|--|-----------|---|---|---------------|---------|--|--|
| Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| 2 3/8" | 2700 | None | | | | | |
| Date of First, Resumed Production, SWD or Inj. | | Producing Method | | | | | |
| 4/2/98 | | <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity | | |
| | 0 | 117 | 0 | | | | |

Disposition of Gas: Vented Sold Used on Lease Open Hole Perforation Dually Comp. Commingled
 (If vented, submit ACO-18.) Other (Specify) _____

METHOD OF COMPLETION _____ Production Interval _____

CUSTOMER COPY



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO: P.O. BOX 1598 OLLAS, TX 75055-1598 Corporate FIN 73-0271280

| INVOICE NO. | DATE |
|-------------|------------|
| 203510 | 02/05/1997 |

| WELL LEASE NO./PROJECT | WELL/PROJECT LOCATION | STATE | OWNER | | |
|------------------------|-----------------------|-------------|----------------------|---------------|---------|
| H1704 <i>ck</i> | SEWARD | KS | SAME | | |
| SERVICE LOCATION | CONTRACTOR | JOB PURPOSE | TICKET DATE | | |
| LIBERAL | | SHOWN BELOW | 02/05/1997 | | |
| ACCT. NO. | CUSTOMER AGENT | VENDOR NO. | CUSTOMER P.O. NUMBER | SHIPPED VIA | FILE NO |
| 659167 | FILEMON MORENO | E-26 | | COMPANY TRUCK | 2692 |

ORIGINAL

DAY USA INC.
P.O. BOX 2528
LIBERAL, KS 67905-2528

CONSERVATION DIVISION
Wichita Kansas

AUG 3 1 1997

RECEIVED
STATE DEPARTMENT OF REVENUE

DIRECT CORRESPONDENCE TO:
P O BOX 1598
LIBERAL KS 67901

| REFERENCE NO. | DESCRIPTION | QUANTITY | UM | UNIT PRICE | AMOUNT |
|------------------|-------------------------------------|----------|----|------------|----------|
| | PRICING AREA - MID CONTINENT | | | | |
| | JOB PURPOSE - CEMENT SURFACE CASING | | | | |
| 000-117 | MILEAGE CEMENTING ROUND TRIP | 44 MI | | 3.65 | 160.60 |
| | | 1 UNT | | | |
| | DISCOUNT-(BID) | 41.0 % | | | 65.84 |
| 000-119 | MILEAGE FOR CREW | 44 MI | | 2.15 | 94.60 |
| | | 1 UNT | | | |
| | DISCOUNT-(BID) | 41.0 % | | | 39.78- |
| 001-016 | CEMENTING CASING | 1696 FT | | 1,630.00 | 1,630.00 |
| | | 1 UNT | | | |
| | DISCOUNT-(BID) | 41.0 % | | | 682.30 |
| 21A 805.217 | GUIDE SHOE - 8 5/8" BRD THD. | 1 EA | | 238.00 | 238.00 |
| | DISCOUNT-(BID) | 32.0 % | | | 76.16- |
| 24A 815.19500 | INSERT FLOAT VALVE - 8 5/8" BRD | 1 EA | | 207.00 | 207.00 |
| | DISCOUNT-(BID) | 32.0 % | | | 66.24- |
| 27 815.19415 | FILL-UF UNIT 7" - 8 5/8" | 1 EA | | 81.00 | 81.00 |
| | DISCOUNT-(BID) | 32.0 % | | | 25.92- |
| 41 806.61048 | CENTRALIZER - 8-5/8 X 12-1/4 | 4 EA | | 71.40 | 285.60 |
| | DISCOUNT-(BID) | 32.0 % | | | 91.39- |
| 800 806.71450 | BASKET-CMT-8 5/8" O.D. 21"-SLF 3110 | 1 EA | | 146.00 | 146.00 |

John Smith

***** CONTINUED ON NEXT PAGE *****

WFFIX JOB TKT

TERMS: 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 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.

CUSTOMER COPY



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO: DALLAS TX 75250 Corporate FIN 73-0271280

Table with columns: INVOICE NO., DATE

Main header table with columns: WELL LEASE NO./PROJECT, WELL/PROJECT LOCATION, STATE, OWNER, SERVICE LOCATION, CONTRACTOR, JOB PURPOSE, TICKET DATE, ACCT. NO., CUSTOMER AGENT, VENDOR NO., CUSTOMER P.O. NUMBER, SHIPPED VIA, FILE NO.

OXY USA INC. P.O. BOX 2528 LIBERAL, KS 67905-2528

DIRECT CORRESPONDENCE TO: P O BOX 1598 LIBERAL KS 67901

ORIGINAL

Main item table with columns: REFERENCE NO., DESCRIPTION, QUANTITY, UM, UNIT PRICE, AMOUNT. Includes handwritten notes and stamps like 'RECEIVED' and 'CONSERVATION DIVISION'.

***** CONTINUED ON NEXT PAGE *****

WFIX JOB TKI

TERMS: 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.

CUSTOMER COPY



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO:

Corporate FIN 73-0271280

| INVOICE NO. | DATE |
|-------------|----------|
| 1000000000 | 08/03/19 |

| WELL LEASE NO./PROJECT | | WELL/PROJECT LOCATION | | STATE | OWNER |
|------------------------|----------------|-----------------------|----------------------|--------------|-------------|
| HITCH C 4 | | SEWARD | | KS | SAFE |
| SERVICE LOCATION | CONTRACTOR | | JOB PURPOSE | | TICKET DATE |
| LIBERAL | LIBERAL | | SHOWN BELOW | | 08/03/19 |
| ACCT. NO. | CUSTOMER AGENT | VENDOR NO. | CUSTOMER P.O. NUMBER | SHIPPED VIA | FILE NO |
| 559167 | FILEMON MORENO | E-26 | | LOPDAK TRUCK | 8675 |

OXY USA INC.
P.O. BOX 2528
LIBERAL, KS 67905-2528

ORIGINAL

DIRECT CORRESPONDENCE TO:
P O BOX 1590
LIBERAL KS 67901

| REFERENCE NO. | DESCRIPTION | QUANTITY | UM | UNIT PRICE | AMOUNT |
|---------------|---|----------|----|------------|-------------------|
| | JOB PURPOSE SUBTOTAL | | | | 15,054.00 |
| | INVOICE SUBTOTAL | | | | 15,054.00 |
| | DISCOUNT-(BID) | | | | 6,084.50 |
| | INVOICE BID AMOUNT | | | | 8,970.15 |
| | *-KANSAS STATE SALES TAX | | | | 378.42 |
| | *-LIBERAL CITY SALES TAX | | | | 11.42 |
| | *-SEWARD COUNTY SALES TAX | | | | 107.71 |
| | INVOICE TOTAL - PLEASE PAY THIS AMOUNT | | | | \$9,500.40 |

RECEIVED
STATE DIVISION
AUG 31 1919
CONSERVATION DIVISION
Wichita, Kansas

Filemon Moreno

FIX JOB TKT

TERMS: 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 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.



HALLIBURTON

HALLIBURTON ENERGY SERVICES

1906-G

CHARGE TO: Oxy U.S.A. Inc
 ADDRESS: Po Box 2528
 CITY, STATE, ZIP CODE: Liberal, Ks. 67905

ORIGINAL - DUNCAN COPY

TICKET

No. 233613 - 6

PAGE 1 OF 2

| | | | | | | | |
|-------------------|--|---|-----------------------------|---------------------------------------|--------------------------------|------------------------------|-------------------|
| 1. <u>Liberal</u> | WELL/PROJECT NO. <u>#4</u> | LEASE <u>Hitch C</u> | COUNTY/PARISH <u>Seward</u> | STATE <u>Ks</u> | CITY/OFFSHORE LOCATION | DATE <u>2-5-98</u> | OWNER <u>Same</u> |
| 2. <u>Hugoton</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</u> | RIG NAME/NO. <u>#7</u> | SHIPPED VIA | DELIVERED TO <u>wellsite</u> | ORDER NO. |
| 3. | WELL TYPE <u>01</u> | WELL CATEGORY <u>01</u> | JOB PURPOSE <u>010</u> | WELL PERMIT NO. <u>15175217010000</u> | WELL LOCATION <u>22-32-34W</u> | | |
| 4. | REFERRAL LOCATION | INVOICE INSTRUCTIONS | | | | | |

| JOB NO | PRICE REFERENCE | SECONDARY REFERENCE / PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | | UNIT PRICE | | AMOUNT |
|--------|-----------------|-----------------------------------|------------|------|----|------------------|------|-----|------------|---------|---------|
| | | | LOC | ACCT | DF | | | U/M | | U/M | |
| | 000-117 | | 1 | | 41 | MILEAGE pump Trk | 44 | mi | | 3.65 | 160.60 |
| | 000-119 | | 1 | | | crew mileage | 44 | mi | | 2.15 | 94.60 |
| | 001-016 | | 1 | | | pumpchg | 1696 | ft | 1 unit | 1630.00 | 1630.00 |
| | 12A | 825,217 | 1 | | 32 | Reg Guide Shoe | 1 | ea | | 238.00 | 238.00 |
| | 24A | 815,19502 | 1 | | | Insert Float | 1 | ea | | 207.00 | 207.00 |
| | 27 | 815,19415 | 1 | | | Fill Tube | 1 | ea | | 81.00 | 81.00 |
| | 41 | 806,61048 | 1 | | | Centralizers | 4 | ea | | 71.140 | 285.60 |
| | 320 | 806,71460 | 1 | | | Basket | 1 | ea | | 146.00 | 146.00 |
| | 350 | 890,10802 | 1 | | | Weld-A | 1 | lb | | 18.43 | 18.43 |
| | 030-018 | | 1 | | 41 | S-W TOP Plug | 1 | ea | | 143.00 | 143.00 |
| | 001-018 | | 1 | | 41 | add hrs | 3 | hrs | | 376.00 | 1128.00 |

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.

| | | | | |
|-----------|--|-----------------|---|----------|
| TYPE LOCK | SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN | | PAGE TOTAL | 4132.23 |
| BEAN SIZE | TYPE OF EQUALIZING SUB. | CASING PRESSURE | FROM CONTINUATION PAGE(S) | 10922.45 |
| DEPTH | TUBING SIZE | TUBING PRESSURE | WELL DEPTH | 15054.68 |
| SPACERS | TREE CONNECTION | TYPE VALVE | SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE | 8970.15 |

DATE SIGNED: 2-5-98 TIME SIGNED: 1700 A.M. P.M.

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

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

| | | | | |
|---|--|-------------------------------|--------------|----------------------|
| CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) | HALLIBURTON OPERATOR/ENGINEER | EMP # | HALLIBURTON APPROVAL |
| <u>Flemon Moreno</u> | <u>x - Moreno</u> | <u>Nick Korbe</u> | <u>H3115</u> | <u>Larry Smith</u> |



HALLIBURTON

Halliburton Energy Services

ORIGINAL

DATE:02-05-1998 TIME:11:39:25 SERVICE TICKET: 233613

HUGOTON-25535 BULK TICKET ONLY: 800923

JOB PURPOSE: SURFACE COMPANY TRUCK::77031 DRIVER: C.Ashley D.Corpeneing

CUSTOMER: OXY USA INC.

LEASE & WELL#: Hitch C 4

| | | | | | |
|---------|----------------------------|-----|-------|-------|----------------|
| 504-282 | MIDCON CEMENT PREMIUM PLUS | 365 | SKS. | 18.48 | 6745.20 |
| 504-050 | PREMIUM PLUS CEMENT | 100 | SKS. | 15.69 | 1569.00 |
| 507-210 | FLOCELE | 208 | LBS. | 2.09 | 434.72 |
| 509-406 | CALCIUM CHLORIDE | 13 | SKS. | 46.90 | 609.70 |
| 500-207 | SERVICE CHARGES | 524 | CU FT | 1.66 | 869.84 |
| | | | | | TOTAL 10228.46 |

500-306 WEIGHT: 46266 MILES: 24 TON MILES: 555.19 1.25 693.99
TOTAL BOOK PRICE OF BULK TICKET: \$10922.45

417.

500-225 RETURN SERVICE CHARGES _____ 20% COST OF RET. MATERIALS
1.66 _____

500-306 WEIGHT: _____ RETURN MILES: 24 TON MILES: _____ 1.25 _____

RECEIVED
 AUG 31 1998
 HALLIBURTON ENERGY SERVICES



JOB: MARY 4239-1

| | |
|---|--------------------------------|
| TICKET # 33613 | TICKET DATE 2-5-98 |
| BDA / STA. Ks | COUNTY Seward |
| PSL DEPARTMENT cmt | |
| CUSTOMER REP / PHONE Jake Slatten | |
| API / UWI # 15175217010000 | JOB PURPOSE CODE 010 |

REGION: North America
 MBU ID / EMP #: **L10110 H3115**
 LOCATION: **Liberal**
 TICKET AMOUNT: **\$15806.68**
 WELL LOCATION: **13 SW of Liberal**
 LEASE / WELL #: **Hitch #4**

NWA/COUNTRY: **Mid East USA**
 EMPLOYEE NAME: **Nick Korba**
 COMPANY: **Oxy USA Inc**
 WELL TYPE: **01**
 DEPARTMENT: **cmt**
 SEC / TWP / RNG:

| HES EMP NAME/EMP#(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) HRS |
|---|---|---|---|
| H. Korba H3115 | | | |
| G. Humphries H9692 | | | |
| C. Ashley 44061 | | | |
| D. Carpenter | | | |

| HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES |
|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|
| 420042 | 44 | | | | | | |
| 51984-22021 | 44 | | | | | | |
| 52920-25817 | 48 | | | | | | |
| 54038-25374 | 48 | | | | | | |

ORIGINAL

Form Name: _____ Type: _____
 Form Thickness: _____ From: _____ To: _____
 Packer Type: _____ Set At: _____
 Bottom Hole Temp.: _____ Pressure: _____
 Misc. Data: _____ Total Depth: _____

| DATE TIME | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|------------------------|------------------------|------------------------|------------------------|---------------|
| 2-5-98 1030 | 2-5-98 1330 | 2-5-98 2130 | 2-5-98 2300 | |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY | MAKE |
|-----------------------------------|----------|--------------|
| Float Collar 1/2" x 8 1/2" | 1 | Houco |
| Float Shoe Fill tube | 1 | |
| Guide Shoe 8 1/2" | 1 | |
| Centralizers 5-41 | 4 | |
| Bottom Plug | | |
| Top Plug 5W 8 1/2" | 1 | |
| Head Basket | 1 | |
| Packer | | |
| Other | | |

WELL DATA

| | NEW/USED | WEIGHT | SIZE | FROM | TO | MAX ALLOW |
|--------------|----------|------------|---------------|----------|-------------|------------|
| Casing | N | 24" | 8 1/2" | 0 | 1696 | 750 |
| Liner | | | | | | |
| Liner | | | | | | |
| Tbg/D.P. | | | | | | |
| Tbg/D.P. | | | | | | |
| Open Hole | | | | | | SHOTS/FT |
| Perforations | | | | | | |
| Perforations | | | | | | |
| Perforations | | | | | | |

MATERIALS

| Treat Fluid | Density | Lb/Gal |
|----------------|---------|--------|
| Disp. Fluid | Density | Lb/Gal |
| Prop. Type | Size | Lb. |
| Prop. Type | Size | Lb. |
| Acid Type | Gal. | % |
| Acid Type | Gal. | % |
| Surfactant | Gal. | In |
| NE Agent | Gal. | In |
| Fluid Loss | Gal/Lb | In |
| Gelling Agent | Gal/Lb | In |
| Fric. Red. | Gal/Lb | In |
| Breaker | Gal/Lb | In |
| Blocking Agent | Gal/Lb | |
| Perpac Balls | Qty. | |
| Other | | |
| Other | | |
| Other | | |
| Other | | |

| HOURS ON LOCATION | | OPERATING HOURS | | DESCRIPTION OF JOB |
|-------------------|------------------|-----------------|------------------|------------------------|
| DATE | HOURS | DATE | HOURS | |
| 2-5-98 | 1 1/2 hrs | 2-5-98 | 1 1/2 hrs | cmt surface pip |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TOTAL | 1 1/2 hrs | TOTAL | 1 1/2 hrs | |

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

TREATED _____ AVERAGE RATES IN BPM _____ Overall _____

FEET **40** CEMENT LEFT IN PIPE _____ Reason **sh. jt.**

CEMENT DATA

| STAGE | SACKS | CEMENT | BULK/SKS | ADDITIVES | YIELD | LBS/G |
|----------|------------|-----------------|----------|---------------------------------|-------------|-------------|
| 1 | 365 | MidCo Pt | B | 3% C.C., 1/2 PPS floccle | 3.22 | 11.1 |
| 1 | 100 | Premt | B | 2% C.C., 1/2 floccle | 1.32 | 14.3 |

| | | | |
|------------------------|--------------------------|-----------------------------------|--------------------------|
| Circulating _____ | Displacement _____ | Preflush: Gal - BBI _____ | Type _____ |
| Breakdown _____ | Maximum _____ | Load & Bkdn: Gal - BBI _____ | Pad: BBI Gal _____ |
| Average _____ | Frac Gradient _____ | Treatment Gal - BBI _____ | Disp: BBI Gal 105 |
| Shut In: Instant _____ | 5 Min _____ 15 Min _____ | Cement Slurr Gal (BBI) 232 | |
| | | Total Volume Gal - BBI _____ | |

Frac Ring #1 _____ | Frac Ring #2 _____ | Frac Ring #3 _____ | Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: *D. [Signature]*



JOB 4239-5

TICKET # 73613
TICKET DATE 2-5-98

| | | | |
|------------------------------------|------------------------------|--------------------------------------|------------------|
| REGION North America | NWA/COUNTRY MidCont USA | BDA / STA. K5 | COUNTY Seward |
| MBU ID / EMP # L0110 H3115 | EMPLOYEE NAME Nick Korbe | PSL DEPARTMENT cmt | |
| LOCATION Liberal | COMPANY Oxy USA Inc. | CUSTOMER REP / PHONE Jake slatten | |
| TICKET AMOUNT \$15,806.68 | WELL TYPE 01 | API / UWI # 15175217010000 | |
| WELL LOCATION 13W SW of Liberal | DEPARTMENT cmt | JOB PURPOSE CODE 010 | |
| LEASE / WELL # Hitch C #4 | SEC / TWP / RNG 22-32-34W | | |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) (HRS) | HES EMP NAME/EMP#/(EXPOSURE HOURS) (HRS) | HES EMP NAME/EMP#/(EXPOSURE HOURS) (HRS) | HES EMP NAME/EMP#/(EXPOSURE HOURS) (HRS) |
|--|--|--|--|
| N. Korbe H3115 | | | |
| G. Humphries H9692 | | | |
| C. Ashley 44061 | | | |
| D. Corpening | | | |

ORIGINAL

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psi) | | JOB DESCRIPTION / REMARKS |
|-----------|------|------------|-------------------|-------|---|--------------|-----|-------------------------------|
| | | | | T | C | Tbg | Csg | |
| | 1030 | | | | | | | called out |
| | 1330 | | | | | | | analog |
| | | | | | | | | bit on bottom circ |
| | 1930 | | | | | | | start F.E. |
| | 2115 | | | | | | | drop ball |
| | 2130 | | | | | | | Break circ |
| | 2149 | 6 | 0 | | | 75 | | start L. cmt 365 sks 11.1 gal |
| | 2224 | 6 | 289/0 | | | 50 | | start T. cmt 100 sks 14.8 gal |
| | 2228 | | 23 | | | 75 | | end cmt |
| | 2230 | | | | | | | release plug |
| | 2232 | 6 | 0 | | | 75 | | start disp |
| | 2252 | 3 | 105 | | | | | Bump plug |
| | 2254 | | | | | | | release pres |
| | | | | | | | | fit hold |
| | | | | | | | | wash Trk |
| | | | | | | | | wackup Trk |
| | 0000 | | | | | | | Job complete |
| | | | | | | | | Thank you |
| | | | | | | | | Nick, Gary, Clint, Dennis |

SERVICE CENTER

INVOICE



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046
Corporate FIN 73-0271280

| INVOICE NO. | DATE |
|-------------|------------|
| 234537 | 02/15/1998 |

| WELL LEASE NO./PROJECT | WELL/PROJECT LOCATION | STATE | OWNER | | |
|------------------------|-----------------------|-------------|---------------------|---------------|----------|
| MITCH e 4 | SEWARD | KS | SAME | | |
| SERVICE LOCATION | CONTRACTOR | JOB/PURPOSE | TICKET DATE | | |
| LIBERAL | CHEYENNE DRILLING | SHOWN BELOW | 02/15/1998 | | |
| AGCT NO. | CUSTOMER AGENT | VENDOR NO. | CUSTOMER JOB NUMBER | SHIPPED VIA | FILE NO. |
| 659167 | JAKE SLATTEN | E-26 | | COMPANY TRUCK | 37590 |

OXY USA INC.
P.O. BOX 2528
LIBERAL, KS 67905-2528

ORIGINAL

DIRECT CORRESPONDENCE TO:
P O BOX 1598
LIBERAL KS 67901

| REFERENCE NO. | DESCRIPTION | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|--|---------------------------------|----------|------|------------|----------|
| PRICING AREA - MID CONTINENT | | | | | |
| JOB PURPOSE - COMBINATION PLUG BACK & CASING | | | | | |
| 000-117 | MILEAGE CEMENTING ROUND TRIP | 44 MI | | 3.65 | 160.60 |
| | DISCOUNT-(BID) | 41.0 % | | | 65.84 |
| 000-119 | MILEAGE FOR CREW | 44 MI | | 2.15 | 94.60 |
| | DISCOUNT-(BID) | 41.0 % | | | 38.78 |
| 009-509 | PLUG-BACK & CASING JOB COMED | 8 HR | | 1,493.00 | 1,493.00 |
| | DISCOUNT-(BID) | 41.0 % | | | 612.13 |
| 001-016 | CEMENTING CASING | 2953 FT | | 1,798.00 | 1,798.00 |
| | DISCOUNT-(BID) | 41.0 % | | | 737.19 |
| 124 | GUIDE SHOE - 5 1/2" BRD THD. | 1 EA | | 133.00 | 133.00 |
| 823.208 | DISCOUNT-(BID) | 32.0 % | | | 42.56 |
| 24A | INSERT FLOAT VALVE - 5 1/2" BRD | 1 EA | | 133.00 | 133.00 |
| 915.19251 | DISCOUNT-(BID) | 32.0 % | | | 42.56 |
| 27 | FILL-UP UNIT 5 1/2" & 3/8" | 1 EA | | 87.00 | 87.00 |
| 815.19311 | DISCOUNT-(BID) | 32.0 % | | | 27.84 |
| 40 | CENTRALIZER-5-1/2 X 7-7/8 | 10 EA | | 70.00 | 700.00 |
| 806.60002 | DISCOUNT-(BID) | 32.0 % | | | 224.00 |

***** CONTINUED ON NEXT PAGE *****

OFFER FOR TRY

TERMS: 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 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.



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046
Corporate FIN 73-0271280

| INVOICE NO. | DATE |
|-------------|------------|
| 234597 | 02/15/1998 |

| WELL NAME / PROJECT | PROJECT LOCATION | STATE | OWNER |
|---------------------|-------------------|-------------|----------------------|
| ITCH # 4 | SEWARD | KS | SAME |
| SERVICE LOCATION | CUSTOMER ORDER | JOB PURPOSE | TICKET DATE |
| LIBERAL | CHEYENNE DRILLING | SHOWN BELOW | 02/15/1998 |
| AGENCY | CUSTOMER AGENT | VENDOR NO. | CUSTOMER P.O. NUMBER |
| 59167 | WAKE SLATTEN | E-26 | |
| SHIPPED VIA | FILE NO. | | |
| COMPANY TRUCK | 37350 | | |

OXY USA INC.
P.O. BOX 2528
LIBERAL, KS 67905-2528

ORIGINAL

DIRECT CORRESPONDENCE TO:
P.O. BOX 1598
LIBERAL KS 67901

| REFERENCE NO. | DESCRIPTION | QUANTITY | UM | UNIT PRICE | AMOUNT |
|------------------|-------------------------------|----------|-----|------------|-----------|
| 320 006.71430 | BASKET-CMT-5 1/2 C50 X 17"00- | 1 | EA. | 122.00 | 122.00 |
| | DISCOUNT-(BID) | 32.0 | % | | 37.04- |
| 350 090.10802 | HALLIBURTON WELD-A-AL FILLED | 1 | EA | 18.43 | 18.43 |
| | DISCOUNT-(BID) | 32.0 | % | | 5.89- |
| 018-315 | MUD FLUSH | 500 | GAL | .83 | 415.00 |
| | DISCOUNT-(BID) | 41.0 | % | | 170.15- |
| 018-303 | CLAYFIX II, PER GAL | 3 | GAL | 30.50 | 91.50 |
| | DISCOUNT-(BID) | 41.0 | % | | 37.51- |
| 313-394 | BE-6 | 1 | LB | 65.50 | 65.50 |
| | DISCOUNT-(BID) | 41.0 | % | | 26.95- |
| 218-517 | S90-21M | 3 | GAL | 35.25 | 105.75 |
| | DISCOUNT-(BID) | 41.0 | % | | 43.35- |
| 060-016 | CEMENTING PLUG SW ALUM TOP | 5 1/2 | IN | 66.00 | 66.00 |
| | DISCOUNT-(BID) | 41.0 | % | | 27.06- |
| 504-282 | MIDCON-2 PREMIUM PLUS CEMENT | 360 | SK | 18.48 | 6,652.80 |
| | DISCOUNT-(BID) | 41.0 | % | | 2,727.64- |
| 504-043 | CEMENT - PREMIUM | 50 | SK | 15.34 | 767.00 |
| | DISCOUNT-(BID) | 41.0 | % | | 314.47- |
| 507-210 | FLODELE | 90 | LB | 2.09 | 188.10 |
| | DISCOUNT-(BID) | 41.0 | % | | 77.12- |

***** CONTINUED ON NEXT PAGE *****

FFIX JOB TKT

TERMS: 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 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.



REMIT TO:
 P.O. BOX 951046
 DALLAS, TX 75395-1046
 Corporate FIN 73-0271280

HALLIBURTON ENERGY SERVICES, INC.

| INVOICE NO. | DATE |
|-------------|------------|
| 234337 | 02/15/1998 |

| | | | |
|------------------------|-----------------------|-------------|----------------------|
| WELL LEASE NO./PROJECT | WELL PROJECT LOCATION | STATE | OWNER |
| ATCH 04 | SEWARD | KS | SAME |
| SERVICE LOCATION | CONTRACT | JOB PURPOSE | TICKET DATE |
| LIBERAL | CHEYENNE DRILLING | SHOWN BELOW | 02/15/1998 |
| ACCT. NO. | CUSTOMER AGENCY | VENDOR NO. | CUSTOMER P.O. NUMBER |
| 59167 | JAME SLATTEN | E-26 | |
| SHIPPED VIA | | | FILE NO. |
| COMPANY TRUCK | | | 37390 |

OXY USA INC.
 P.O. BOX 2528
 LIBERAL, KS 67905-2528

ORIGINAL

DIRECT CORRESPONDENCE TO:
 P O BOX 1598
 LIBERAL KS 67901

| REFERENCE NO. | DESCRIPTION | QUANTITY | SUM | UNIT PRICE | AMOUNT |
|---|--------------------------------|------------|-----|------------|-------------------|
| 509-405 | ANHYDROUS CALCIUM CHLORIDE | 8 SK | | 43.90 | 375.20 |
| | DISCOUNT-(BID) | 41.0 % | | | 159.89- |
| 500-207 | BULK SERVICE CHARGE | 450 CFT | | 1.65 | 747.00 |
| | DISCOUNT-(BID) | 41.0 % | | | 306.27- |
| 500-306 | MILEAGE CMTG MAT DEL OR RETURN | 486.77 TMI | | 1.25 | 608.46 |
| | DISCOUNT-(BID) | 41.0 % | | | 249.46- |
| JOB PURPOSE SUBTOTAL | | | | | 14,841.94 |
| INVOICE SUBTOTAL | | | | | 14,841.94 |
| DISCOUNT-(BID) | | | | | 5,977.73- |
| INVOICE BID AMOUNT | | | | | 8,864.21 |
| * - KANSAS STATE SALES TAX | | | | | 311.63 |
| * - LIBERAL CITY SALES TAX | | | | | 63.60 |
| * - SEWARD COUNTY SALES TAX | | | | | 95.41 |
| INVOICE TOTAL - PLEASE PAY THIS AMOUNT | | | | | \$9,334.87 |

AFFIX JOB TKT

TERMS: 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 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.



HALLIBURTON

HALLIBURTON ENERGY SERVICES

1906-Q

CHARGE TO: DMY U.S.A.
 ADDRESS: P.O. Box 2528
 CITY, STATE, ZIP CODE: LIBERAL KS 67905

TICKET

No.

234537 - 11

PAGE 1 OF 3

| | | | | | | | |
|--|--|---|-------------------------------------|----------------------------|-----------------------------|---------------------------------|----------------------|
| 1. SERVICE LOCATIONS <u>1025540 Liberal</u> | WELL/PROJECT NO. <u>4</u> | LEASE <u>HITCH C</u> | COUNTY/PARISH <u>SEWARD</u> | STATE <u>Ks</u> | CITY/OFFSHORE LOCATION | DATE <u>2-15-98</u> | OWNER <u>SAME</u> |
| 2. <u>026505 Nixston</u> | TICKET TYPE <input checked="" type="checkbox"/> SERVICE | NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | CONTRACTOR <u>CHEVON/Daly #7</u> | RIG NAME/NO. | SHIPPED VIA <u>Hes</u> | DELIVERED TO <u>LOCATION</u> | ORDER NO. |
| 3. | <input type="checkbox"/> SALES | | WELL TYPE <u>02</u> | WELL CATEGORY <u>01</u> | JOB PURPOSE <u>- 675</u> | WELL PERMIT NO. | WELL LOCATION |
| 4. REFERRAL LOCATION | INVOICE INSTRUCTIONS | | | | | | |

| JOB PURPOSE | PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | | U/M | | UNIT PRICE | AMOUNT | | |
|-------------|-----------------|-------------------------------------|------------|------|----|----------------------------|-------|-----|-----|------|------------|--------|------|----|
| | | | LOC | ACCT | DF | | | | | | | | | |
| | 000-117 | | | | 41 | MILEAGE | 1 | 02 | | 44 | M | 5 65 | 160 | 60 |
| | 000-119 | | | | | CREW MILEAGE | 1 | U | | 44 | M | 2 15 | 94 | 60 |
| | 009-308 | | | | | COMBINATION Plug | 0-8 | | | | | | 1493 | 00 |
| | 001-016 | | | | | PUMP CHARGE | 4 | Hes | | 2953 | FT | | 1798 | 00 |
| | 12A | 825-205 | | | 32 | REG. GORR SHOES | 5 1/2 | | | 24 | EA | | 133 | 00 |
| | 24A | 815-19261 | | | | REG. GORR SHOES | | | | | EA | | 133 | 00 |
| | 27 | 815-19311 | | | | FILL ASSEMBLY | | | | | EA | | 87 | 00 |
| | 40 | 806-60022 | | | | CENTRALIZERS | | | | 10 | CA | 20 00 | 200 | 00 |
| | 320 | 806-71486 | | | | CMT BASKET | | | | 1 | EA | | 129 | 00 |
| | 350 | 890-10802 | | | | HOUSING W/CO A | 1 | 15' | | 1 | EA | | 18 | 43 |
| | 018-315 | | | | 41 | MWD FLUSH | 1 | gal | | 500 | CA | .83 | 415 | 00 |
| | 018-303 | | | | | CLAY RZ# II | 1 | gal | | 3 | EA | 30 50 | 91 | 50 |
| | 509-412 | | | | | BE 6 | 1 | 16' | | 1 | EA | | 85 | 50 |
| | 218-517 | | | | | SSO-21 m | 1 | 62L | | 3 | EA | 35 25 | 105 | 75 |

ORIGINAL

LEGAL NOTICE: Customer hereby acknowledges receipt of the materials and services listed on this ticket. Payment shall be made to the contractor within 30 days of the date of invoice.

| | | | |
|-----------|--|---------------------------------|------------------------------|
| TYPE LOCK | SUB SURFACE SAFETY VALVE WAS: | | |
| BEAN SIZE | <input type="checkbox"/> PULLED & RETURN | <input type="checkbox"/> PULLED | <input type="checkbox"/> RUN |
| DEPTH | TYPE OF EQUALIZING SUB | CASING PRESSURE | |
| SPACERS | TUBING SIZE | TUBING PRESSURE | WELL DEPTH |
| | TREE CONNECTION | TYPE VALVE | |

| | | |
|---|-------|----|
| PAGE TOTAL | 5437 | 38 |
| FROM CONTINUATION PAGE(S) | 9404 | 51 |
| | 14841 | 94 |
| SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE | 8864 | 21 |

X
DATE SIGNED _____ TIME SIGNED _____
 A.M. P.M.

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

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

| | | | | |
|--|--|---|------------------------|--|
| OR CUSTOMER'S AGENT (PLEASE PRINT) <u>Ke S. Otten</u> | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X</u> | HALLIBURTON OPERATOR/ENGINEER <u>Robert Elwood</u> | EMP # <u>D-4360</u> | HALLIBURTON APPROVAL <u>Larry Smith *</u> |
|--|--|---|------------------------|--|



HALLIBURTON

TICKET CONTINUATION

ORIGINAL

TICKET No. 234537

HALLIBURTON ENERGY SERVICES

FORM 1911 R-9

CUSTOMER OXY U.S.A. WELL HATCH C-4 DATE 2-15-98 PAGE 2 OF 3

Table with columns: PRICE REFERENCE, SECONDARY REFERENCE/PART NUMBER, ACCOUNTING (LOC, ACCT, DF), DESCRIPTION, QTY., U/M, UNIT PRICE, AMOUNT. Includes handwritten entry: 030-016, 5 WZPER Top Plug, 5 1/2 EW, 1 EA, 666.00.

ORIGINAL

CONTINUATION TOTAL 666.00



Halliburton Energy Services

ORIGINAL

DATE: 02-14-1998 TIME: 23:29:20 SERVICE TICKET: 234537

HUGOTON-25535 BULK TICKET ONLY: 800958

JOB PURPOSE: LONG STRING

COMPANY TRUCK: 6610 DRIVER: M. LONGWORTH S. TELFORD

CUSTOMER: OXY USA INC.

LEASE & WELL#: HITCH C #4

| ITEM | DESCRIPTION | QTY | UNIT | PRICE | TOTAL |
|---------|----------------------------|---------|-------|-------|---------|
| 504-282 | MIDCON CEMENT PREMIUM PLUS | 360 | SKS. | 18.48 | 6652.80 |
| 504-043 | PREMIUM CEMENT | 50 | SKS. | 15.34 | 767.00 |
| 507-210 | FLOCELE | 90 | LBS. | 2.09 | 188.10 |
| 509-406 | CALCIUM CHLORIDE | 8 | SKS. | 46.90 | 375.20 |
| 500-207 | SERVICE CHARGES | NOI 450 | CU FT | 1.66 | 747.00 |
| | | | | TOTAL | 8730.10 |

500-306 WEIGHT: 40564 MILES: 24 TON MILES: 486.77 1.25 608.46
 TOTAL BOOK PRICE OF BULK TICKET: \$ 9338.56

4170

500-225 RETURN SERVICE CHARGES 20% COST OF RET. MATERIALS
 1.66

500-306 WEIGHT: RETURN MILES: 24 TON MILES: 1.25

CEMENT BULK/SKS

Handwritten notes and signatures at the bottom of the page.

JURTON

JOB SUMMARY 4239-1

| | | | | |
|--------------------------------|--|---------------------------------|--------------------------------------|-------------------------|
| America | | NW/COUNTRY U.S.A. | TICKET # 234537 | TICKET DATE 2-15-98 |
| KANSAS | | EMPLOYEE NAME Robert Elwood | BDA / STATE KANSAS | COUNTY SEWARD |
| WELL LOCATION N. LIBERTY KS | | COMPANY Oxy U.S.A. | PSL DEPARTMENT 5001 | |
| LEASE / WELL # HITCH C 4 | | WELL TYPE OIL | CUSTOMER REP / PHONE JAKE SLATTEN | |
| | | DEPARTMENT SOIL CNT | API / UWI # | JOB PURPOSE CODE 075 |
| | | SEC / TWP / RNG 22 32 S 34 W | | |

| HES EMP NAME/EMP#(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#(EXPOSURE HOURS) | HRS |
|-----------------------------------|-----|-----------------------------------|-----|-----------------------------------|-----|-----------------------------------|-----|
| R. ELWOOD D-4360 | | | | | | | |
| S. ROYCE H3377 | | | | | | | |
| S. TELFORD | | | | | | | |
| M. LONWORTH | | | | | | | |

ORIGINAL

| HES UNIT NUMBERS | RT MILES | HES UNIT NUMBERS | RT MILES | HES UNIT NUMBERS | RT MILES | HES UNIT NUMBERS | RT MILES |
|------------------|----------|------------------|----------|------------------|----------|------------------|----------|
| 420044 | 44 | | | | | | |
| 52554-76900 | 44 | | | | | | |
| 50737-6612 | 24 | | | | | | |
| 50866-6612 | 24 | | | | | | |

Form Name: _____ Type: _____
 Form Thickness: _____ From _____ To _____
 Packer Type: _____ Set At _____
 Bottom Hole Temp: _____ Pressure _____
 Misc. Data: _____ Total Depth _____

| DATE | TIME | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------|-------|------------|-------------|-------------|---------------|
| 2-14-98 | 22:00 | 2-15-98 | 00:00 | 2-15-98 | 03:45 |
| | | | | | 11:00 |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY | MAKE |
|-------------------------|-----|------|
| Float Collar W/1.5" ILL | 1 | H |
| Float Shoe | | |
| Guide Shoe REG | 1 | W |
| Centralizers S-4 | 10 | C |
| Bottom Plug | | H C |
| Top Plug S WIPER | 1 | |
| Head MANAGED | 1 | W |
| Packer Cont Base | 1 | C |
| Other WELD A | | C |

WELL DATA

| | NEW/USED | WEIGHT | SIZE | FROM | TO | MAX ALLOW |
|--------------|----------|--------|-----------|------|------|-----------|
| Casing | N | 14 | 5 1/2 | NB | 2953 | |
| Liner | | | | | | |
| Liner | | | | | | |
| Tbg/D.P. | | | | | | |
| Tbg/D.P. | | | | | | |
| Open Hole | | | 7 1/8 | 6.2 | 2953 | SHOTS/FT. |
| Restorations | | | Plug Back | 3200 | 3000 | |
| Perforations | | | | | | |
| Perforations | | | | | | |

MATERIALS

| Treat Fluid | Density | Lb/Gal |
|----------------|---------|--------|
| Disp. Fluid | Density | Lb/Gal |
| Prop. Type | Size | Lb. |
| Prop. Type | Size | Lb. |
| Acid Type | Gal. | % |
| Acid Type | Gal. | % |
| Surfactant | Gal. | In |
| NE Agent | Gal. | In |
| Fluid Loss | Gal/Lb | In |
| Gelling Agent | Gal/Lb | In |
| Fric. Red. | Gal/Lb | In |
| Breaker | Gal/Lb | In |
| Blocking Agent | Gal/Lb | |
| Perpac Balls | Qty. | |
| Other | | |
| Other | | |
| Other | | |
| Other | | |

| HOURS ON LOCATION | | OPERATING HOURS | | DESCRIPTION OF JOB |
|-------------------|-------|-----------------|-------|--------------------|
| DATE | HOURS | DATE | HOURS | |
| | | | | Plug Back |
| | | | | Long string |
| TOTAL | | TOTAL | | |

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

AVERAGE RATES IN BPM

TREATED _____ Disp. _____ Overall _____

CEMENT LEFT IN PIPE

FEET _____ Reason _____

CEMENT DATA

| STAGE | SACKS | CEMENT | BULK/SKS | ADDITIVES | YIELD | LBS/GAL |
|-------|-------|----------|----------|-------------------------|--------|---------|
| 1 | 50 | Premium | B | 1% C.C. (FOR Plug) | 1.18 | 15.6 |
| 2 | 205 | MEDCO P* | B | 2% C.C., 1/4 #/SK Flocc | 203.72 | 11.1 |
| 2 | 130 | MEDCO P* | B | 2% C.C., 1/4 #/SK Flocc | 1.83 | 13.2 |
| 3 | 25 | MEDCO P* | B | 2% C.C., 1/4 #/SK Flocc | 1.54 | 14 |

| | | | |
|------------------------|--------------------------|--|-----------------------|
| Circulating _____ | Displacement _____ | Preflush: _____ Gal - BBI _____ | Type _____ |
| Breakdown _____ | Maximum _____ | Load & Bkdnd: _____ Gal - BBI <u>SEE</u> | Pad: BBI - Gal _____ |
| Average _____ | Frac Gradient _____ | Treatment _____ Gal - BBI _____ | Disp: BBI - Gal _____ |
| Shut In: Instant _____ | 5 Min _____ 15 Min _____ | Cement Slurr _____ Gal - BBI <u>200</u> | |
| | | Total Volume _____ Gal - BBI <u>109</u> | |

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE _____

