

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

Operator: License # 30606  
Name: Murfin Drilling Co., Inc.  
Address 250 N. Water, Suite 300  
City/State/Zip Wichita, KS 67202  
Purchaser: Genesis Crude Oil  
Operator Contact Person: Larry M. Jack  
Phone (316) 267 - 3241  
Contractor: Name: Murfin Drilling Co., Inc.  
License: 30606

Wellsite Geologist: Paul Gunzelman  
Designate Type of completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  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 \_\_\_\_\_ PBTB  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
2/27/98 \_\_\_\_\_ 3/07/98 \_\_\_\_\_ 3/31/98 \_\_\_\_\_  
Spud Date Date Reached TD Completion Date

API NO. 15- 039-20908  
County Decatur  
126' -SE -W/2 - SW Sec. 22 Twp. 2S Rge 27 XW  
1200 Feet from S/N (circle one) Line of Section  
4580 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 Long/Simpson Well # 1-22  
Field Name Unknown  
Producing Formation LKC  
Elevation: Ground 2663 KB 2668  
Total Depth 3980 PBTB 3908  
Amount of Surface Pipe Set and Cemented at 273 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2239 Feet  
If Alternate II completion, cement circulated from 2239  
feet depth to Surface w/ 445 sx cmt.  
Drilling Fluid Management Plan AH.2 OK'd per Dist 4  
(Data must be collected from the Reserve Pit 723-98 U.C.)  
Chloride content \_\_\_\_\_ ppm Fluid volume 2500 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
\_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

REC'D  
6-8-98

9-28-99  
FROM CONFIDENTIAL

KCC  
JUN 5  
CONFIDENTIAL

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 Larry M. Jack  
Title Larry M. Jack, Production Manager Date 4/30/98

Subscribed and sworn to before me this 30 day of April 19 98.  
Notary Public Kerran Redington  
Kerran Redington

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

Date Commission Expires 2/6/02  
KERRAN REDINGTON  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 2-6-02

Operator name Murfin Drilling Co., Inc.

Lease Name Long/Simpson Well # 1-22

Sec. 22 Twp. 2 S Rge. 27  East  West

County Decatur

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run (Submit Copy.) List all E.Log <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample<br>Name <span style="float: right;">Top <span style="float: right;">Datum</span></span><br>Log attached. |
|--|--|

| CASING RECORD <u>  </u> New <u>  </u> 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#             | 273           | Common         | 175          | 3% cc, 2% gel              |
| Production  | 7 7/8"            | 4 1/2"                    | 10.5#           | 3947          | EA2            | 150          |                            |
|   |                   |                           |                 |               |                |              |                            |

| ADDITIONAL CEMENTING/SQUEEZE RECORD   |               |                |              |                            |
|---|---------------|----------------|--------------|----------------------------|
| Purpose:<br>_ Perforate<br>_ Protect Csg<br><input checked="" type="checkbox"/> Plug Back TD<br><input checked="" type="checkbox"/> Plug Off Zone | Depth Top/Btm | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |               |                |              |                            |
|   |               |                |              |                            |

| 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) <span style="float: right;">Depth</span> |         |
|----------------|---|--|---------|
|                |   | 4  | 3548-50 |
|                |   |  |         |
|                |   |  |         |

|  |  |
|--|--|
| TUBING RECORD Size <u>2 3/8</u> Set At <u>3564</u> Packer At <u>  </u> | Liner <input type="checkbox"/> Yes <input type="checkbox"/> No |
|--|--|

|   |  |
|---|--|
| Date of First, Resumed Production, SWD or Inj. <u>4/20/98</u> | Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other |
| Estimated Production Per 24 Hours                             | Oil <u>17</u> Bbls Gas <u>  </u> Mcf Water <u>  </u> Tr Bbls Gas-Oil Ratio <u>  </u> Gravity <u>  </u>   |

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION Production Interval

Open Hole  Perf.  Dually Comp.  Commingled As above

Other (Specify)

ORIGINAL

RECEIVED  
KANSAS CORP CO.

CONFIDENTIAL

1998 JUN -8 3:26

Test Results:

15-039-20908

DST #1: 3403' - 3473' (Deer Creek).

30-45-60-90. Rec. 860' SLMW w/few oil specks on top. IF: Wk building to strong off BOB in 11 min. NO blow back after shut in. FF: Wk surface blow building off BOB in 18 min. HP: 1616 - 1611. SI: 1150 - 1154. FP 42/267 - 278/440.

DST#2: 3498' - 3558' (Oread, Toronto).

30-45-60-90. Rec. 290' GIP, 190' CLGO (22° gravity @ 60°), 240' MCO (30%M), 120' HVOCM (60% M, 40% O). IF: Wk blow building to strong off the BOB in 19 min. ISI: surface blow building to 3 1/2". FF: 2: blow building to strong off BOB in 17 min. FSI: surface blow building to 3 1/2". HP: 1671 - 1652. SI: 1088' - 1093'. FP: 24/132 - 144/225.

DST #3: 3568' - 3591' (Lansing C Zone).

30-60-60-90 IF 1/2" blow building to 10". ISI: Surface blow died. FF Surface blow building to 11". Rec. 120' O Spec MW (80% W; 20% M), 370' SW. HP 1706 - 1696. SI 1040 - 1014. FP 21/111 - 122/244.

DST #4: 3592' - 3618' (Lansing D,E,F Zones).

30-60-60-90. Rec. 420' O Spec MW. IF: 2" blow increasing to 8". ISI: No Blow. FF: 1/4" blow increasing to 5 1/2". FSI: No Blow. HP: 1726 - 1759. SI: 1104 - 1097. FP 39/103 - 112/214.

DST #5: 3643' - 3708'. (LKC H, J).

30-30-30-30. Rec. 5' M. IF: wk surface blow died in 28'. FF: No. Blow. HP: 1768 - 1730. SI: 51 - 35. FP 21/21 - 21/22.

FINAL REPORT

RECEIVED  
SEP 20 1999  
FROM CONFIDENTIAL

KCC  
JUN 5  
CONFIDENTIAL

TIME MONTH DAY YEAR

DISTRICT #4  
(Oil, Gas, Water)

Called-In :

RECEIVED  
STATE CORPORATION COMMISSION  
API ON 15-039-20,908

Mr. JOHN TURNER of MURFIN

Operator MURFIN DRILLING CO. KCC # 80606

Address: \_\_\_\_\_ Phone # \_\_\_\_\_

Frank 740 DK 1150  
Carle 800 Kansa 1320  
Green 1085 CA 1800  
Blancens 1100

Lease Name LONG/SIMPSON Well # 1-22

Location 700' FWL & 1200' FSL SW Sec. 22 Twp 2 Rge 27

County DECATUR

10 3/4" \_\_\_\_\_ 8 5/8" 273 S.P. cwc w/ 175 sks cement.

~~4 1/2"~~ - ~~5 1/2"~~ - ~~6"~~ casing set at 3947 w/ 150 sks cement.

T. D. 3980 Elev. 2663 GL Anhy 2220'-50' Dakota Base 1150-1320

D. V. Tool @ \_\_\_\_\_ Port Collar @ 2232 Perf @ \_\_\_\_\_ Other \_\_\_\_\_

Total Amount of cement and Blend: 325 SX MIDCON 2 3/6cc 1/4 Flocell

Did cement circulate? \_\_\_\_\_ Date: 6-22-98

Cement Company: Halliburton Ticket \_\_\_\_\_ Who Witnessed Goodlow

Remarks: OPEN PORT collar mix & Pump 325 SX. MIDCON 2 THROUGH PORT COLLAR  
LITB Blow on ANNULUS - 6-23-98 TEMP LOG FOUND CMT. @ 1050. TOP OK.  
TOP SQ w/ 120 SX. Cmt. TEMP LOG 6-24-98 = 850' Down @ 220 PSI

KCC  
JUN 29 1998  
HAYS, KS  
FROM CONFIDENTIAL

Alt completion Rotary Rig \_\_\_\_\_  
Pulling Unit MURFIN  
Down Casing \_\_\_\_\_

Signed Carl Goodlow

AL

VOICE



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046 Corporate F...

Table with columns: INVOICE NO. (196614), DATE (03/07/1999)

Table with columns: WELL LEASE NO./PROJECT (G-SIMPSON 1-22), WELL/PROJECT LOCATION (DECATUR), STATE (KS), OWNER (SAME), SERVICE LOCATION (HAYS), CONTRACTOR (MURFIN DRILLING CO), JOB PURPOSE (SHOWN BELOW), TICKET DATE (03/07/1999), ACGT. NO. (614500), CUSTOMER AGENT (JOHN TURNER), VENDOR NO., CUSTOMER P.O. NUMBER, SHIPPED VIA (COMPANY TRUCK), FILE NO. (384)

ORIGINAL CONFIDENTIAL

DIRECT CORRESPONDENCE TO: 1102 E. 8TH HAYS KS 67601 913-625-3431

MURFIN DRLG CO BOX 661 COLBY, KS 67701

Main invoice table with columns: REFERENCE NO., DESCRIPTION, QUANTITY, UM, UNIT PRICE, AMOUNT. Includes rows for BULK SERVICE CHARGE, MILEAGE CMTG MAT DEL OR RETURN, and a final INVOICE TOTAL of \$7,911.34.

FROM CONFIDENTIAL KCC JUN 3 CONFIDENTIAL

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.

ORIGINAL

INVOICE



HALLIBURTON ENERGY SERVICES, INC.

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

| INVOICE NO. | DATE       |
|-------------|------------|
| 196614      | 03/07/1998 |

|                        |                |                       |                      |               |             |
|------------------------|----------------|-----------------------|----------------------|---------------|-------------|
| WELL LEASE NO./PROJECT |                | WELL/PROJECT LOCATION |                      | STATE         | OWNER       |
| LONG-SIMPSON 1-22      |                | DECATUR               |                      | KS            | SAME        |
| SERVICE LOCATION       |                | CONTRACTOR            | JOB PURPOSE          |               | TICKET DATE |
| HAYS                   |                | MURFIN DRILLING CO    | SHOWN BELOW          |               | 03/07/1998  |
| ACCT NO.               | CUSTOMER AGENT | VENDOR NO.            | CUSTOMER P.O. NUMBER | SHIPPED VIA   | FILE NO.    |
| 614500                 | JOHN TURNER    |                       |                      | COMPANY TRUCK | 38425       |

LONG STRINGS  
 MURFIN DRLG C **USED FOR** 11  
 BOX 661  
 COLBY, KS 677 **APPROVED** ST M  
 DIRECT CORRESPONDENCE TO:  
 1102 E. 8TH  
 HAYS KS 67601,  
 913-625-3431

ORIGINAL

| REFERENCE NO.                          | DESCRIPTION                     | QUANTITY | UM  | UNIT PRICE | AMOUNT   |
|--|---------------------------------|----------|-----|------------|----------|
| PRICING AREA - MID CONTINENT           |                                 |          |     |            |          |
| JOB PURPOSE - CEMENT PRODUCTION CASING |                                 |          |     |            |          |
| 000-117                                | MILEAGE CEMENTING ROUND TRIP    | 120      | MI  | 3.65       | 438.00   |
| 001-016                                | CEMENTING CASING                | 1        | UNT |            |          |
|  |                                 | 3947     | FT  | 1,938.00   | 1,938.00 |
| 030-016                                | CEMENTING PLUG 5W ALUM TOP      | 1        | UNT |            |          |
|  |                                 | 4.5      | IN  | 50.00      | 50.00    |
| 12A                                    | GUIDE SHOE - 4 1/2" 8RD THD.    | 1        | EA  | 105.00     | 105.00   |
| 825.201                                |                                 | 1        | EA  |            |          |
| 24A                                    | INSERT FLOAT VALVE - 4 1/2" 8RD | 1        | EA  | 110.00     | 110.00   |
| 815.19101                              |                                 | 1        | EA  |            |          |
| 27                                     | FILL-UP UNIT 4 1/2"-5"          | 1        | EA  | 60.00      | 60.00    |
| 815.19113                              |                                 | 1        | EA  |            |          |
| 40                                     | CENTRALIZER 4-1/2 X 7-7/8       | 12       | EA  | 59.00      | 708.00   |
| 806.60004                              |                                 | 1        | EA  | 113.00     | 113.00   |
| 320                                    | BASKET-CMT-4 1/2 CSG X 18" OD-  | 1        | EA  | 1,400.00   | 1,400.00 |
| 806.71415                              |                                 | 1        | EA  |            |          |
| 73                                     | PORT COLLAR                     | 1        | EA  | 11.90      | 11.90    |
| 813.0141                               |                                 | 1        | EA  |            |          |
| 66                                     | CLAMP-LIMIT-4-1/2 HINGED        | 1        | EA  | 11.90      | 11.90    |
| 806.72020                              |                                 | 15       | EA  | 21.50      | 322.50   |
| 60                                     | WIPER-ROTO WALL-LOOPED CABLE-   | 15       | EA  | 21.50      | 322.50   |
| 806.71202                              |                                 | 1        | JOB | 310.00     | N/C      |
| 019-241                                | CASING SWIVEL W/WALL CLEANERS   | 2        | GAL | 30.50      | 61.00    |
| 018-303                                | CLAYFIX II, PER GAL             | 10       | SK  | 112.00     | 1,120.00 |
| 018-317                                | SUPER FLUSH                     | 160      | SK  | 12.13      | 1,940.80 |
| 504-308                                | CEMENT - STANDARD               | 800      | LB  | .18        | 144.00   |
| 509-968                                | SALT                            | 75       | LB  | 7.70       | 577.50   |
| 507-775                                | HALAD-322                       | 8        | SK  | 28.00      | 224.00   |
| 508-127                                | CAL SEAL 60                     | 800      | LB  | .58        | 464.00   |
| 508-291                                | GILSONITE BULK                  | 40       | LB  | 4.27       | 170.80   |
| 507-970                                | D-AIR 1, POWDER                 |          |     |            |          |

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

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



PERMIT TO... P.O. BOX 951046 DALLAS, TX 75395-1046 Corporate FIN

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

| INVOICE NO. | DATE       |
|-------------|------------|
| 196585      | 02/27/1998 |

|                               |                                 |                                  |                      |                              |                   |
|-------------------------------|---------------------------------|----------------------------------|----------------------|------------------------------|-------------------|
| WELL LEASE NO./PROJECT<br>MDC |                                 | WELL/PROJECT LOCATION<br>DECATUR |                      | STATE<br>KS                  | OWNER<br>SAME     |
| SERVICE LOCATION<br>HAYS      |                                 | CONTRACTOR                       |                      | JOB PURPOSE<br>SHOWN BELOW   |                   |
| TICKET DATE<br>02/27/1998     |                                 |                                  |                      |                              |                   |
| ACCT. NO.<br>314500           | CUSTOMER AGENT<br>KEITH VANBELT | VENDOR NO.                       | CUSTOMER P.O. NUMBER | SHIPPED VIA<br>COMPANY TRUCK | FILE NO.<br>38072 |

ORIGINAL

DIRECT CORRESPONDENCE TO:

MURKIN DRUG CO  
BOX 661  
COLBY, KS 67201

1102 E. 8TH  
HAYS KS 67601  
913-625-3431

CONFIDENTIAL

| REFERENCE NO.                       | DESCRIPTION                       | QUANTITY | UM     | UNIT PRICE | AMOUNT   |
|-------------------------------------|-----------------------------------|----------|--------|------------|----------|
| PRICING AREA - MID CONTINENT        |                                   |          |        |            |          |
| JOB PURPOSE - CEMENT SURFACE CASING |                                   |          |        |            |          |
| 000-117                             | MILEAGE CEMENTING ROUND TRIP      | 120      | MI     | 3.65       | 438.00   |
| 001-016                             | CEMENTING CASING                  | 1        | UNT    |            |          |
|                                     |                                   | 273      | FT     | 1,630.00   | 1,630.00 |
|                                     |                                   | 1        | UNT    |            |          |
| 030-503                             | CMTG-PHIC MAT 11, CP-1, CP-3, 70E | 8        | SZB IN | 95.00      | 95.00    |
| 504-308                             | CEMENT - STANDARD                 | 1        | BA     |            |          |
| 507-277                             | HALLIBURTON-GEL BENTONITE         | 175      | SK     | 12.13      | 2,122.25 |
| 509-406                             | ANHYDROUS CALCIUM CHLORIDE        | 3        | SK     | 22.90      | 68.70    |
| 500-207                             | BULK SERVICE CHARGE               | 5        | SK     | 46.90      | 234.50   |
| 500-306                             | MILEAGE CMTG MAT DEL OR RETURN    | 191      | CFT    | 1.66       | 317.06   |
|                                     |                                   | 514.500  | TMI    | 1.25       | 643.13   |

JOB PURPOSE SUBTOTAL

5,549.14

INVOICE SUBTOTAL

5,549.14

DISCOUNT - (HID)  
INVOICE BID AMOUNT

3,162.98  
2,386.16

\*-KANSAS STATE SALES TAX  
\*-HAYS CITY SALES TAX

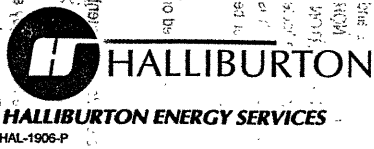
73.36  
14.98

03600 003 W 0771 2474.49 Cement S. Co.  
Operator Expense - MDC Operator

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

\$2,474.49

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CHARGE TO: **Murphy Drilling Company**  
 ADDRESS: **Box 661**  
 CITY, STATE, ZIP CODE: **Colby, Ks 67701-0661**

|   |   |  |                                 |  |                                  |  |                      |
|---|---|--|---------------------------------|--|----------------------------------|--|----------------------|
| 1. SERVICE LOCATIONS<br><b>Hays, Ks</b>   | WELL/PROJECT NO.<br><b>#1-22</b>  | LEASE<br><b>Kang/Simpson</b>             | COUNTY/PARISH<br><b>Decatur</b> | STATE<br><b>Ks</b>                           | CITY/OFFSHORE LOCATION           | DATE<br><b>2-27-98</b>                   | OWNER<br><b>Same</b> |
| 2. TICKET TYPE<br><input checked="" type="checkbox"/> SERVICE<br><input type="checkbox"/> SALES | NITROGEN JOB?<br><input type="checkbox"/> YES<br><input checked="" type="checkbox"/> NO | CONTRACTOR<br><b>Murphy Drilling Co.</b> | RIG NAME/NO.<br><b>#3</b>       | SHIPPED VIA<br><b>53293</b>                  | DELIVERED TO<br><b>well site</b> | ORDER NO.<br><b>API 15-039-209080000</b> |                      |
| 3. WELL TYPE  | WELL CATEGORY<br><b>03</b>  | JOB PURPOSE<br><b>010</b>                | WELL PERMIT NO.                 | WELL LOCATION<br><b>22-25-27<sup>w</sup></b> |                                  |  |                      |
| 4. REFERRAL LOCATION  | INVOICE INSTRUCTIONS  |  |                                 |  |                                  |  |                      |

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      | DESCRIPTION      | QTY. |  | U/M |        | UNIT PRICE | AMOUNT  |
|-----------------|-------------------------------------|------------|------|------------------|------|--|-----|--------|------------|---------|
|                 |                                     | LOC        | ACCT |                  |      |  |     |        |            |         |
| 000-117         |                                     | 1          |      | MILEAGE (53293m) | 120  |  | mi. |        | 3.65       | 438.00  |
| 001-016         |                                     | 1          |      | Pump Charge      | 273  |  | Ft. |        | 16.30      | 1630.00 |
| 030-503         |                                     | 1          |      | Tap Plug         | 1    |  | ea. | 858.00 | 95.00      | 95.00   |

CONFIDENTIAL 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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

|  |                 |  |  |                              |                             |           |   |
|--|-----------------|--|--|------------------------------|-----------------------------|-----------|---|
| SUB SURFACE SAFETY VALVE WAS:<br><input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN |                 | <b>SURVEY</b>  |  | AGREE                        | UN-DECIDED                  | DIS-AGREE | PAGE TOTAL<br><b>2163.00</b>  |
| TYPE LOCK  | DEPTH           | OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?                           |  |                              |                             |           |   |
| BEAN SIZE  | SPACERS         | WE UNDERSTOOD AND MET YOUR NEEDS?                                    |  |                              |                             |           | SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE<br><b>5549.14</b> |
| 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 |           |   |
| <input type="checkbox"/> do <input type="checkbox"/> do not require IPC (Instrument Protection). <input type="checkbox"/> Not offered  |                 | <input checked="" type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND |  |                              |                             |           |   |

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

|   |  |                               |              |                      |
|---|--|-------------------------------|--------------|----------------------|
| CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT) | CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) | HALLIBURTON OPERATOR/ENGINEER | EMP #        | HALLIBURTON APPROVAL |
|   | <b>X Keith VanSant</b>                   | <b>Edgar Rappold</b>          | <b>47558</b> |                      |

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 KCCO





HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

TICKET No. 196585-4

| Truck# (s)      |                                     | CUSTOMER        |      |    | WELL                       |              | DATE               |                    | PAGE       |             |
|-----------------|-------------------------------------|-----------------|------|----|----------------------------|--------------|--------------------|--------------------|------------|-------------|
| 4444-5070       |                                     | Murfin Drilling |      |    | Long/Simpson<br>1-22       |              | 5:46 PM<br>2/27/98 |                    | 2 of 2     |             |
| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING      |      |    | DESCRIPTION                | QTY. U/M     |                    | UNIT PRICE         | AMOUNT     |             |
|                 |                                     | LOC             | ACCT | OF |                            | QTY.         | U/M                |                    |            |             |
| 504-308         |                                     |                 |      |    | Standard Cement            | 175          | sk                 | \$12.13            | \$2,122.75 |             |
| 507-277         |                                     |                 |      |    | Halliburton Gel Additional | 3            | sk                 | \$22.90            | \$68.70    |             |
| 509-406         |                                     |                 |      |    | Calcium Chloride           | 5            | sk                 | \$46.90            | \$234.50   |             |
| 500-207         |                                     |                 |      |    | SERVICE CHARGE             | CUBIC FEET   | 191                | 1.66               | \$317.06   |             |
| 500-306         |                                     |                 |      |    | MILEAGE CHARGE             | TOTAL WEIGHT | LOADED MILES       | TON MILES          | 1.25       | \$643.13    |
|                 |                                     |                 |      |    | 17,150                     | 60           | 514.500            |                    |            |             |
| No. B 660273    |                                     |                 |      |    |                            |              |                    | CONTINUATION TOTAL |            | \$ 3,386.14 |

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EFC/YED  
PP/CO  
2 3 26



JOB SUMMARY 4239-1

|  |  |                                |   |
|--|--|--------------------------------|---|
| REGION<br>North America                | NWA/COUNTRY<br>Mid-Continent             | TICKET #<br>196585-4           | TICKET DATE<br>2-27-98                  |
| MBU ID / EMP #<br>HA0501 47558         | EMPLOYEE NAME<br>E. Dean Reynolds        | BDA / STATE<br>KS.             | COUNTY<br>Decatur                       |
| LOCATION<br>Nays, Ks.                  | COMPANY<br>Martin Drilling Company       | PSL DEPARTMENT<br>Cementing    | CUSTOMER REP / PHONE<br>Kieith Van Telt |
| TICKET AMOUNT<br>5549.14               | WELL TYPE<br>01                          | API / UWI #<br>15-029-20908000 | JOB PURPOSE CODE<br>010                 |
| WELL LOCATION<br>22-25-27 <sup>W</sup> | DEPARTMENT<br>Cementing                  | JOB PURPOSE CODE<br>010        |   |
| LEASE / WELL #<br>Long/Simpson 1-22    | SEC / TWP / RNG<br>22-25-27 <sup>W</sup> |                                |   |

RECEIVED KANSAS CORP

|  |  |  |  |
|--|--|--|--|
| 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 |
| E. Reynolds 47558                        | D. Ash 1609                              | T. Henry 71010                           |  |

ORIGINAL

|                  |           |                  |           |                  |           |                  |           |
|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|
| HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES |
| 38422 PU         | 247       | 53293m KCM       | 247       | 4444-5070 Bm     | 247       |                  |           |

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

|      |             |             |             |               |
|------|-------------|-------------|-------------|---------------|
| DATE | CALLLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
| TIME | 1745        | 2135        | 2226        | 2350          |

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**TOOLS AND ACCESSORIES**

| TYPE AND SIZE                  | QTY   | MAKE |
|--------------------------------|-------|------|
| Floater Collar                 |       |      |
| Floater Shoe                   |       |      |
| Guide Shoe                     |       |      |
| Centralizers                   |       |      |
| Bottom Plug                    |       |      |
| Top Plug LA-118 <sup>3/8</sup> | 1 ea. | Hako |
| Head                           |       |      |
| Packer                         |       |      |
| Other PCmenitold               | 1 ea. | Hako |

**WELL DATA**

| NEW/USED     | WEIGHT | SIZE | FROM | TO | MAX ALLOW |
|--------------|--------|------|------|----|-----------|
| Casing       | N      | 24"  | 858" | KB | 273'      |
| 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  | Qty.   |
| Perfpac Balls  | Qty.    |        |
| Other          |         |        |
| Other          |         |        |
| Other          |         |        |

| HOURS ON LOCATION |       | OPERATING HOURS |         | DESCRIPTION OF JOB |
|-------------------|-------|-----------------|---------|--------------------|
| DATE              | HOURS | DATE            | HOURS   |                    |
| 2-27-98           | 2 1/2 | 2-27-98         | 1/2 hr. | 010                |
| <b>TOTAL</b>      |       | <b>TOTAL</b>    |         |                    |

**HYDRAULIC HORSEPOWER**

Ordered \_\_\_\_\_ Avail. \_\_\_\_\_ Used \_\_\_\_\_

**AVERAGE RATES IN BPM**

Treated \_\_\_\_\_ Disp. \_\_\_\_\_ Overall \_\_\_\_\_

FEET 15' CEMENT LEFT IN PIPE Reason Requested

**CEMENT DATA**

| STAGE | SACKS | CEMENT | BULK/SKS | ADDITIVES | YIELD | LBS/GAL |
|-------|-------|--------|----------|-----------|-------|---------|
|       |       |        |          |           |       |         |
|       |       |        |          |           |       |         |
|       |       |        |          |           |       |         |

Circulating Breakdown \_\_\_\_\_ Displacement Maximum \_\_\_\_\_ Preflush: Gal - BBI 4.0 Type Water

Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Load & Bkdn: Gal - BBI \_\_\_\_\_ Pad: BBI - Gal \_\_\_\_\_

Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Treatment Gal - BBI \_\_\_\_\_ Cement Slurr Gal - BBI 42.4 Disp: BBI Gal 16.4

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  
Kieith Van Telt

KCC JUN 5 CONFIDENTIAL

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KANSAS CORP. CONF.



**JOB LOG** 4239-5

|                                 |                                    |                                 |  |
|---------------------------------|------------------------------------|---------------------------------|--|
| REGION<br>North America         | NWA/COUNTRY<br>Mid-Centwest        | TICKET #<br>196585-4            | TICKET DATE<br>2-27-98                 |
| MBU ID / EMP #<br>H22501 47558  | EMPLOYEE NAME<br>Erlend Rognvold   | BDA / STATE<br>KS               | COUNTY<br>Deatur                       |
| LOCATION<br>Harris              | COMPANY<br>Mudwin Drilling Company | PSL DEPARTMENT<br>Cementing     | CUSTOMER REP / PHONE<br>Keith Van Belt |
| TICKET AMOUNT<br>5549.14        | WELL TYPE<br>01                    | API / UWI #<br>15-039-209080000 | JOB PURPOSE CODE<br>010                |
| WELL LOCATION<br>22-25-27W      | DEPARTMENT<br>Cementing            |                                 |  |
| LEASE / WELL #<br>Langston 1-22 | SEC / TWP / RNG<br>22-25-27W       |                                 |  |

| 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 |
|--|--|--|--|
| E. Rognvold 47558                        |  |  |  |
| D. Ash E 1609                            |  |  |  |
| Keith Van Belt 71010                     |  |  |  |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS |   | PRESS. (psi) |     | JOB DESCRIPTION / REMARKS                        |
|-----------|------|------------|-------------------|-------|---|--------------|-----|--|
|           |      |            |                   | T     | C | Tbg          | Csg |  |
|           | 1745 |            |                   |       |   |              |     | Called out - Job ready AS AP                     |
|           | 2135 |            |                   |       |   |              |     | on loc - Rig AS AP - Rig Circ - Hole Cut to 273' |
|           | 2155 |            |                   |       |   |              |     | Pre-Setup Safety meeting - Set up Equip          |
|           | 2226 |            |                   |       |   |              |     | Rig Start 8 5/8" Csg                             |
|           | 2230 |            |                   |       |   |              |     | Csg @ 273' - Hook up to Circ                     |
|           | 2235 |            |                   |       |   |              |     | St. Circ.  |
|           | 2238 | 4.0        | 4.0               |       |   | 175          |     | Hook up to PT                                    |
|           | 2240 | 5.0        |                   |       |   | 175          |     | Start 4 bbl Freshwater                           |
|           | 2248 | 3.5        | 42.4              |       |   | 75           |     | Start mixing 175 sks Std w/ 29 Gal 30cc          |
|           | 2249 |            |                   |       |   |              |     | Finish Mixing Cement                             |
|           | 2250 | 4.5        | 16.4              |       |   | 0            |     | Release 8 5/8" Top Plug                          |
|           | 2253 | 3.0        |                   |       |   | 200          |     | Plug chuted                                      |
|           |      |            |                   |       |   |              |     | Close in Csg.                                    |
|           |      |            |                   |       |   |              |     | Wash up Pump Truck                               |
|           |      |            |                   |       |   |              |     | Back up Equip                                    |
|           |      |            |                   |       |   |              |     | Complete TRTs                                    |
|           |      |            |                   |       |   |              |     | Job Completed                                    |
|           | 2350 |            |                   |       |   |              |     |  |

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Circulated 4 bbl Cmt. to pt ✓

Thank you  
Erlend, Dave, POC

Keith Van Belt

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