

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

**ORIGINAL**

Operator: License # 5056  
Name: F.G. Holl Company, L.L.C.  
Address: 9431 East Central, Suite #100  
City/State/Zip: Wichita, Kansas 67206-2543  
Purchaser: NCRA  
Operator Contact Person: Franklin R. Greenbaum  
Phone: (316) 684-8481  
Contractor: Name: Sterling Drilling Company, Rig #4  
License: 5142  
Wellsite Geologist: James C. Musgrove

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: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to Enhr./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

|                                   |                   |   |
|-----------------------------------|-------------------|---|
| <u>10/27/2003</u>                 | <u>11/10/2003</u> | <u>01/15/2004</u>                       |
| Spud Date or<br>Recompletion Date | Date Reached TD   | Completion Date or<br>Recompletion Date |

API No. 15 - 007-22775-0000  
County: Barber  
C SW SE SE Sec. 10 Twp. 30 S. R. 14  East  West  
330 feet from S / N (circle one) Line of Section  
990 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: NORRIS Well #: 1-10  
Field Name: Wildcat

Producing Formation: LKC  
Elevation: Ground: 1935' Kelly Bushing: 1944'  
Total Depth: 4805' Plug Back Total Depth: 4120'  
Amount of Surface Pipe Set and Cemented at 249'KB 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** *All 1 on 4-22-04*  
(Data must be collected from the Reserve Pit)  
Chloride content 37,000 ppm Fluid volume 1,200 bbls  
Dewatering method used Hauled fluids to SWD

Location of fluid disposal if hauled offsite:  
Operator Name: F.G. Holl Company, L.L.C.  
Lease Name: Kennedy -30 SWD License No.: 5056  
Quarter SW Sec. 30 Twp. 29 S. R. 12  East  West  
County: Pratt Docket No.: D-25,992

**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 of 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: Franklin R. Greenbaum  
Title: Exploration Manager Date: 02/18/2004  
Subscribed and sworn to before me this 18th day of February, 2004  
19 \_\_\_\_\_  
Notary Public: Betty B. Herring  
Date Commission Expires: 04/30/2006

**KCC Office Use ONLY**

No Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
Y Wireline Log Received  
Y Geologist Report Received  
UIC Distribution

Notary Public - State of Kansas  
**BETTY B. HERRING**  
My Appt. Exp. 4/30/2006

Operator Name: F.G. Holl Company, L.L.C. Lease Name: NORRIS Well #: 1-10  
 Sec. 10 Twp. 30 S. R. 14  East  West County: Barber

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

|  |  |
|--|--|
| Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Submit Copy)</i><br><br>List All E. Logs Run:<br><br>CNL/CDL/MEL/DIL/BHCS<br>SCBL | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br>Name Top Datum<br>See attachment |
|--|--|

| CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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 casing   | 17-1/4"           | 13-3/8"                   | 48#               | 248.82KB      | 60/40 Poz      | 275 sx       | 3%cc, 2% gel               |
| Production   | 7-7/8"            | 4-1/2"                    | 10.5#             | 4804'KB       | 50/50 Poz      | 200 sx       | 4% gel, 2% cc              |
|  |                   |                           |                   |               | A-Serv. Lite   | 25 sx        | 5#/sx calset               |

| ADDITIONAL CEMENTING / SQUEEZE RECORD             |                  |                |             |                            |
|---|------------------|----------------|-------------|----------------------------|
| Purpose:  | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input checked="" type="checkbox"/> Perforate     |                  |                |             |                            |
| <input type="checkbox"/> Protect Casing           |                  |                |             |                            |
| <input type="checkbox"/> Plug Back TD             | 4130'            | Common         | 75 sx       | 1/2% fla -322              |
| <input checked="" type="checkbox"/> Plug Off Zone | 4155'            |                |             |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| 4 SPF          | 4512' - 4516'   | Treat w/ 750 gal 7-1/2% MIRA   |       |
|                |   | Treat w/ 1000 gal 7-1/2% acid & 25 ball sea  |       |
|                | CIBP @ 4120'  | Frac w/ 7,500# 20/40 brady sand, & 2000# 12/20 brady Sand                                |       |
| 4 SPF          | 4072'-79', 4085'-89'. LKC   | Treat w/ 500 gal 15% ne acid & 10% ne acid   |       |
|                | 4138'-44', 4238'-46'. LKC   | Treat w/ 500 gal 15% ne acid   |       |

|   |           |   |             |               |   |
|---|-----------|---|-------------|---------------|---|
| TUBING RECORD                                   |           | Size Set At   | Packer At   | Liner Run     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|   |           | 2-3/8"  | 4110'       |               |   |
| Date of First, Resumed Production, SWD or Enhr. |           | Producing Method  |             |               |   |
| 01/21/2004                                      |           | <input type="checkbox"/> Flowing <input checked="" 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   |
|   | 6.64      |   | 10          |               |   |

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

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

Production Interval 4072'-4089' LKC

**DAILY DRILLING REPORT – NORRIS NO.1-10  
Barber County, Kansas**

**ORIGINAL**

| <b>Formation</b> | <b>Sample<br/>Tops</b> | <b>Datum</b> | <b>E-Log<br/>Tops</b> | <b>Datum</b> |
|------------------|------------------------|--------------|-----------------------|--------------|
| Herrington       | 2200                   | -256         | 2201                  | -257         |
| Red Eagle        | 2855                   | -911         | 2855                  | -911         |
| Stotler          | 3161                   | -1217        | 3162                  | -1218        |
| Topeka           | 3466                   | -1522        | 3465                  | -1521        |
| Heebner          | 3842                   | -1898        | 3842                  | -1898        |
| Douglas Sh.      | 3887                   | -1943        |                       |              |
| Brown Lime       | 4012                   | -2068        | 4014                  | -2070        |
| LKC              | 4028                   | -2084        | 4030                  | -2086        |
| BKC              | 4422                   | -2478        | 4424                  | -2480        |
| Marmaton         | 4438                   | -2494        | 4441                  | -2497        |
| Conglomerat      | 4490                   | -2546        | 4490                  | -2546        |
| Viola            | 4570                   | -2626        | 4570                  | -2626        |
| Simpson Sh.      | 4625                   | -2681        | 4627                  | -2683        |
| Simpson Ss.      | 4630                   | -2686        | 4629                  | -2685        |
| Arbuckle         | 4728                   | -2784        | 4729                  | -2785        |
| RTD              | 4805                   | -2861        | 4805                  | -2861        |
| LTD              | 4806                   | -2862        | 4806                  | -2862        |

**RECEIVED  
KANSAS CORPORATION COMMISSION**

**MAR 01 2004**

**CONSERVATION DIVISION  
WICHITA, KS**



**ORIGINAL**

**SALES OFFICE:**  
 100 S. Main  
 Suite #607  
 Wichita KS 67202  
 (316) 262-3699  
 (316) 262-5799 FAX

**SALES & SERVICE OFFICE:**  
 10244 NE Hiway 61  
 P.O. Box 8613  
 Pratt, KS 67124-8613  
 (620) 672-1201  
 (620) 672-5383 FAX

**SALES & SERVICE OFFICE:**  
 1700 S. Country Estates Rd.  
 P.O. Box 129  
 Liberal, KS 67905-0129  
 (620) 624-2277  
 (620) 624-2280 FAX

*Invoice*

|                  |                    |                |                            |                       |              |                   |
|------------------|--------------------|----------------|----------------------------|-----------------------|--------------|-------------------|
| <b>Bill to:</b>  |                    | 3678275        | <b>Invoice</b>             | <b>Invoice Date</b>   | <b>Order</b> | <b>Order Date</b> |
| F G HOLL         |                    |                | 311011                     | 11/14/03              | 7266         | 11/10/03          |
| P O BOX 158      |                    |                | <b>Service Description</b> |                       |              |                   |
| BELPRE, KS 67519 |                    |                | Cement                     |                       |              |                   |
|                  |                    |                | <b>Lease</b>               |                       | <b>Well</b>  |                   |
|                  |                    |                | Norris                     |                       | 1-10         |                   |
| <b>AFE</b>       | <b>CustomerRep</b> | <b>Treater</b> | <b>Well Type</b>           | <b>Purchase Order</b> | <b>Terms</b> |                   |
|                  | T. Baird           | K. Gordley     | New Well                   |                       | Net 30       |                   |

RECEIVED  
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**MAR 01 2004**  
 CONSERVATION DIVISION  
 WICHITA, KS

| <u>ID.</u> | <u>Description</u>                                 | <u>UOM</u> | <u>Quantity</u> | <u>Unit Price</u> | <u>Price</u> |
|------------|--|------------|-----------------|-------------------|--------------|
| D204       | 50/50 POZ (COMMON)                                 | SK         | 200             |                   |              |
| D206       | A-SERV LITE (COMMOM)                               | SK         | 50              |                   |              |
| C194       | CELLFLAKE  | LB         | 63              |                   |              |
| C195       | FLA-322  | LB         | 203             |                   |              |
| C243       | DEFOAMER   | LB         | 22              |                   |              |
| C310       | CALCIUM CHLORIDE                                   | LBS        | 336             |                   |              |
| C311       | CAL SET  | LBS        | 1000            |                   |              |
| C312       | GAS BLOCK  | LB         | 126             |                   |              |
| C320       | CEMENT GELL  | LB         | 336             |                   |              |
| C321       | GILSONITE  | LB         | 2500            |                   |              |
| C221       | SALT (Fine)  | GAL        | 400             |                   |              |
| C302       | MUD FLUSH  | GAL        | 500             |                   |              |
| C303       | SUPER FLUSH  | GAL        | 500             |                   |              |
| F100       | TURBOLIZER, 4 1/2"                                 | EA         | 10              |                   |              |
| F142       | TOP RUBBER CEMENT PLUG, 4 1/2"                     | EA         | 1               |                   |              |
| F190       | GUIDE SHOE-REGULAR, 4 1/2"                         | EA         | 1               |                   |              |
| F230       | FLAPPER TYPE INSERT FLOAT VALVES, 4 1/2"           | EA         | 1               |                   |              |
| F292       | CEMENT SCRATCHERS ROTATING TYPE                    | EA         | 28              |                   |              |
| F120       | BASKET, 4 1/2"                                     | EA         | 1               |                   |              |
| E107       | CEMENT SERVICE CHARGE                              | SK         | 250             |                   |              |
| E100       | HEAVY VEHICLE MILEAGE - 1 WAY                      | MI         | 15              |                   |              |
| E104       | PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN | TM         | 158             |                   |              |
| R210       | CASING CEMENT PUMPER, 4501-5000' 1ST 4 HRS ON LOC  | EA         | 1               |                   |              |

**LOG-TECH**

OPEN HOLE LOGGING PERFORMERS  
 Distributors of TheGasGun

Hays, KS..... 785-625-385  
 Wichita, KS..... 316-263-936  
 Great Bend, KS..... 620-792-443  
 Pratt, KS..... 620-672-320

PLEASE REMIT TO Acid Services, LLC, Dept No 1131, T

Accounts become past due the last day of the month following billing. Interest rate 1.5% per n



|                                      |                    |                    |
|--------------------------------------|--------------------|--------------------|
| Customer ID                          | Date               | ORIGINAL           |
| Customer <i>F.G. Holl</i>            | <i>MAR 01 2004</i> |                    |
| Lease <i>Norris</i>                  | <i>10-27-03</i>    |                    |
| CONSERVATION DIVISION<br>WICHITA, KS |                    | Lease No.          |
|                                      |                    | Well # <i>1-10</i> |

|  |                      |                      |                     |                                     |                  |
|--|----------------------|----------------------|---------------------|-------------------------------------|------------------|
| Field Order # <i>7072</i>                | Station <i>Pratt</i> | Casing <i>13 3/8</i> | Depth <i>237.82</i> | County <i>Barber</i>                | State <i>Ks.</i> |
| Type Job <i>1 3/8 Conductor New Well</i> |                      |                      | Formation           | Legal Description <i>10-315-14W</i> |                  |

| PIPE DATA                |              | PERFORATING DATA |             | FLUID USED                   |  | TREATMENT RESUME |       |                  |
|--------------------------|--------------|------------------|-------------|------------------------------|--|------------------|-------|------------------|
| Casing Size              | Tubing Size  | Shots/Ft         |             | Acid                         |  | RATE             | PRESS | ISIP             |
| <i>13 3/8</i>            |              | <i>Lead</i>      | <i>Lead</i> | <i>2.75%K.60/40 P02</i>      |  | Max              |       | 5 Min.           |
| <i>255</i>               | Depth        | From             | To          | <i>3%O.C. 1/4" Cellflake</i> |  | Min              |       | 10 Min.          |
| <i>37.3</i>              | Volume       | From             | To          | <i>14.5#/gal 1.25FH3</i>     |  | Avg              |       | 15 Min.          |
| Max Press                | Max Press    | From             | To          | Frac                         |  | HHP Used         |       | Annulus Pressure |
| Well Connection          | Annulus Vol. | From             | To          | Flush                        |  | Gas Volume       |       | Total Load       |
| Plug Depth <i>237.82</i> | Packer Depth | From             | To          |                              |  |                  |       |                  |

|   |                                   |                            |
|---|-----------------------------------|----------------------------|
| Customer Representative <i>Lanny Salaga</i> | Station Manager <i>Dave Aubry</i> | Treater <i>Bobby Drake</i> |
|---|-----------------------------------|----------------------------|

|               |            |           |           |           |
|---------------|------------|-----------|-----------|-----------|
| Service Units | <i>105</i> | <i>26</i> | <i>35</i> | <i>76</i> |
|---------------|------------|-----------|-----------|-----------|

| Time         | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate       | Service Log                                   |
|--------------|-----------------|-----------------|--------------|------------|---|
| <i>6:00</i>  |                 |                 |              |            | <i>Called Out</i>                             |
| <i>9:00</i>  |                 |                 |              |            | <i>On location / Safety Meeting</i>           |
| <i>12:15</i> |                 |                 |              |            | <i>Start Csg - bits. 13 3/8 48" Conductor</i> |
| <i>1345</i>  |                 |                 |              |            | <i>Csg. On Bottom</i>                         |
| <i>1353</i>  |                 |                 |              |            | <i>Hook Up to Csg. - Brock Acc. w/ Rig</i>    |
| <i>1358</i>  | <i>200</i>      |                 | <i>10</i>    | <i>5.0</i> | <i>Start H2O Ahead</i>                        |
| <i>1400</i>  | <i>200</i>      |                 | <i>68</i>    | <i>5.0</i> | <i>Mix Cont. @ 14.5#/gal.</i>                 |
| <i>1413</i>  | <i>200</i>      |                 | <i>37.3</i>  | <i>5.0</i> | <i>Start Disp.</i>                            |
| <i>1420</i>  |                 |                 |              |            | <i>Shut Down - Close Valve.</i>               |
|              |                 |                 |              |            | <i>Job Complete - Circ. Cont. to Surface.</i> |
|              |                 |                 |              |            | <i>Circ. 29 Bbls. Cont. to Pit</i>            |
|              |                 |                 |              |            | <i>Thanks, Bobby Drake</i>                    |

# Mud-Co / Service Mud, Inc.

Operator F.G. Holl County/State Barber, KS Pump 6 X 14 X 60 SPM Casing Program 13 3/8 " @ 248 ft.  
 Well #1-10 Norris Location \_\_\_\_\_ GPM \_\_\_\_\_ " @ \_\_\_\_\_ ft.  
 Contractor Sterling Drilling # 4 Sec 10 TWP 30S RNG 14W D.P. 4 1/2 in. \_\_\_\_\_ " @ \_\_\_\_\_ ft.  
 Stockpoint Pratt, KS Date 10/24/03 Engineer Brad Bortz Collar 6 1/4 in. 488 ft. 203 FT/MIN R.A. \_\_\_\_\_ " @ \_\_\_\_\_ ft.  
 \_\_\_\_\_ FT/MIN R.A. 4805 ft.

| DATE  | DEPTH<br>feet | WEIGHT<br>lb/gal | VISCOSITY      |           |    | GELS<br>10 sec /<br>10 min. | pH   | FILTRATION |               | FILTRATION ANALYSIS |           |           | SAND<br>% | RETORT      |          |            | L.C.M.<br>#/bbl | Pump<br>Press.<br>PSI | CUMULATIVE<br>COST                                     | REMARKS AND TREATMENT |
|-------|---------------|------------------|----------------|-----------|----|-----------------------------|------|------------|---------------|---------------------|-----------|-----------|-----------|-------------|----------|------------|-----------------|-----------------------|--|-----------------------|
|       |               |                  | Sec API<br>@_F | PV<br>@_F | Yp |                             |      | ml<br>API  | Cake<br>32nds | Pres.<br>#/BBL      | Cl<br>ppm | Ca<br>ppm |           | Solids<br>% | Oil<br>% | Water<br>% |                 |                       |  |                       |
| 10/24 | 0             |                  |                |           |    |                             |      |            |               |                     |           |           |           |             |          |            |                 |                       |  |                       |
| 10/27 | 255           |                  |                |           |    |                             |      |            |               |                     |           |           |           |             |          |            |                 |                       |  |                       |
| 10/29 | 2045          | 8.8              | 2              | 10        | 40 | 20/37                       | 7.0  | 8.0        | 2             |                     | 100       | 80        |           |             |          |            |                 | 0                     | Rig up.  |                       |
| 10/30 | 2491          | 9.3              | 46             | 8         | 20 | 11/25                       | 7.0  | 12.8       | 1             |                     | 13m       | 680       |           | 2.8         |          | 97.2       |                 |                       | Run 13 3/8.  |                       |
| 10/31 | 2906          | 9.4              | 44             | 9         | 17 | 13/25                       | 7.0  | 14.2       | 2             |                     | 40,m      | hvy       |           | 4.7         |          | 95.3       |                 |                       | Drig.  |                       |
| 11/01 | 3011          | 8.8              | 43             | 8         | 14 | 7/23                        | 10.0 | 8.8        | 1             |                     | 45m       | hvy       |           | 5.2         |          | 94.8       |                 |                       | Drig.  |                       |
| 11/02 | 3370          | 9.0              | 54             | 11        | 26 | 11/42                       | 10.0 | 10.4       | 1             |                     | 7500      | 80        |           | 3.2         |          | 96.8       |                 |                       | TOH F/DST #1   |                       |
| 11/03 | 3659          | 9.2              | 45             | 9         | 22 | 15/36                       | 9.5  | 12.4       | 1             |                     | 6000      | 80        |           | 4.7         |          | 95.3       |                 |                       | DST #2   |                       |
| 11/04 | 3895          | 9.3              | 45             | 10        | 15 | 12/28                       | 9.0  | 12.4       | 1             |                     | 8000      | 80        |           | 5.9         |          | 94.1       |                 |                       | Drig.  |                       |
| 11/05 | 4085          | 9.2              | 43             | 10        | 14 | 7/20                        | 9.5  | 9.6        | 1             |                     | 7000      | 160       |           | 6.7         |          | 93.3       | 1/2             |                       | Drig.  |                       |
| 11/06 | 4125          | 9.1              | 43             | 11        | 16 | 11/26                       | 9.0  | 10.4       | 1             |                     | 6000      | 80        |           | 6.1         |          | 93.9       | 3               |                       | DST #5, DST #4-3692'.                                  |                       |
| 11/07 | 4316          | 8.8              | 44             | 17        | 25 | 26/48                       | 11.5 | 12.2       | 1             |                     | 7000      | 60        |           | 5.3         |          | 64.7       | 2               |                       | CFS @ 4085   |                       |
| 11/08 | 4500          | 9.1              | 59             | 14        | 29 | 24/58                       | 11.0 | 9.4        | 1             |                     | 10m       | 100       |           | 3.6         |          | 96.4       | 1               |                       | Drig., DST #7-4085'.                                   |                       |
| 11/09 | 4642          | 9.1              | 50             | 14        | 23 | 23/52                       | 11.0 | 10.2       | 1             |                     | 10m       | 100       |           | 5.0         |          | 95.0       | 1               |                       | Drig., DST #8-4172'.                                   |                       |
| 11/10 | 4805          |                  |                |           |    |                             |      |            |               |                     | 10m       | 120       |           | 5.0         |          | 95.0       | 1               |                       | Drig., DST #9-4490'.                                   |                       |
|       |               |                  |                |           |    |                             |      |            |               |                     |           |           |           |             |          |            |                 |                       | Drig., DST #10-4590'.                                  |                       |
|       |               |                  |                |           |    |                             |      |            |               |                     |           |           |           |             |          |            |                 |                       | Final, 10 DST's, logs OK                               |                       |
|       |               |                  |                |           |    |                             |      |            |               |                     |           |           |           |             |          |            |                 |                       | Ran production casing                                  |                       |
|       |               |                  |                |           |    |                             |      |            |               |                     |           |           |           |             |          |            |                 |                       | Reserve pit: 37,000 ppm chlorides<br>1,200 bbls volume |                       |

**MUD-CO / SERVICE MUD INC**  
 100 S. Main Suite #405  
 Wichita, Ks. 67202  
 316/264-2814 Fax: 316/264-5024

| MATERIALS    | SACKS | AMOUNT | MATERIALS   | SACKS | AMOUNT |
|--------------|-------|--------|-------------|-------|--------|
| C/S Hulls    | 64    |        | Starch      | 84    |        |
| Caustic Soda | 27    |        | Super Lig   | 19    |        |
| Desco        | 1     |        | X Cide 102W | 1     |        |
| Drill Pak    | 8     |        |             |       |        |
| Lime         | 3     |        |             |       |        |
| Multi Blend  | 4     |        |             |       |        |
| Premium Gel  | 498   |        |             |       |        |
| Salt Clay    | 35    |        |             |       |        |
| Soda Ash     | 25    |        |             |       |        |

| MATERIALS          | SACKS | AMOUNT |
|--------------------|-------|--------|
|                    |       |        |
|                    |       |        |
|                    |       |        |
|                    |       |        |
|                    |       |        |
| Total Mud Cost     |       |        |
| Trucking Cost      |       |        |
| Trucking surcharge |       |        |
| Taxes              |       |        |
| <b>TOTAL COST</b>  |       |        |

DRILLING MUD RECAP  
**RECEIVED**  
 KANSAS CORPORATION COMMISSION

MAR 01 2004

CONSERVATION DIVISION  
 WICHITA, KS

**ORIGINAL**