

**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 # 5208  
Name: Exxon Mobil Oil Corporation \*  
Address: P. O. Box 4358  
City/State/Zip: Houston, TX 77210-4358  
Purchaser: Duke Energy Trading & Marketing  
Operator Contact Person: Kitty Birt  
Phone: (713) 431-1898  
Contractor: Name: DOWELL  
License: N. A.  
Wellsite Geologist: N. A.

Designate Type of Completion: CONSERVATION DIVISION WICHITA, KS  
 New Well  Re-Entry  Workover (refrac)  
 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: Mobil Oil Corporation  
Well Name: Bissitt #1 Unit, Well # 3

Original Comp. Date: 06/05/1995 Original Total Depth: 2946  
~~XXX~~ FRACTURE TREATED  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back 2910 Plug Back Total Depth  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

03/07/2002 05/07/1995 03/14/2002  
~~SPUD~~ Date of **START** Date Reached TD Completion Date of  
**OF WORKOVER** **WORKOVER**

API No. 15 - 189-21895-0001  
County: Stevens  
NE SW SW Sec. 32 Twp. 33 S. R. 36  East  West  
1250 feet from (S) N (circle one) Line of Section  
1250 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
Lease Name: Bissitt # 1 Unit Well #. 3  
Field Name: Hugoton  
Producing Formation: Chase  
Elevation: Ground: 3084 Kelly Bushing: 3094  
Total Depth: 2946 Plug Back Total Depth: 2910  
Amount of Surface Pipe Set and Cemented at 686 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set N. A. Feet  
If Alternate II completion, cement circulated from N. A.  
feet depth to N. A. w/ N. A. sx cmt.

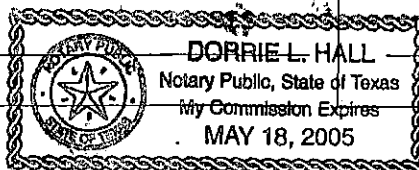
Drilling Fluid Management Plan REWORK ggr 6/18/02  
(Data must be collected from the Reserve Pit)  
Chloride content N. A. ppm Fluid volume N. A. bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
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 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: Kitty Birt  
Title: Completions Admin. Date: May 2, 2002  
Subscribed and sworn to before me this 2<sup>ND</sup> day of MAY  
18 2002.

Notary Public: Dorrie L. Hall  
Date Commission Expires: 5/18/05



**KCC Office Use ONLY**

Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**KCC**

X

Operator Name: Exxon Mobil Oil Corporation \* Lease Name: Bissitt # 1 Unit Well #: 3  
 Sec. 32 Twp. 33 S. R. 36  East  West County: Stevens

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><i>(Submit Copy)</i><br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br><table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Glorietta</td> <td>1230</td> <td>1440</td> </tr> <tr> <td>Stone Corral</td> <td>1710</td> <td>1780</td> </tr> <tr> <td>Chase</td> <td>2655</td> <td>--</td> </tr> <tr> <td>Council Grove</td> <td>--</td> <td>--</td> </tr> </table> | Name  | Top | Datum | Glorietta | 1230 | 1440 | Stone Corral | 1710 | 1780 | Chase | 2655 | -- | Council Grove | -- | -- |
| Name   | Top   | Datum |     |       |           |      |      |              |      |      |       |      |    |               |    |    |
| Glorietta  | 1230  | 1440  |     |       |           |      |      |              |      |      |       |      |    |               |    |    |
| Stone Corral   | 1710  | 1780  |     |       |           |      |      |              |      |      |       |      |    |               |    |    |
| Chase  | 2655  | --    |     |       |           |      |      |              |      |      |       |      |    |               |    |    |
| Council Grove  | --  | --    |     |       |           |      |      |              |      |      |       |      |    |               |    |    |

| CASING RECORD <input 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 Casing  | 12.250            | 8.625                     | 24                | 686           | Class C        | 375          | 50:50 c/poz                |
| Production Casing   | 7.875             | 5.500                     | 14                | 2936          | Class C        | 225          | 3% D79                     |
|   |                   |                           |                   |               | Class C        | 150          | 2% B28                     |

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

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| 1 SPF          | 2656-2666, 2700-2710, 2729-2749, 2786-2801  | frac w/ 80Q N2 foam @ plus/minus 80 BPM   |       |
|                | 2840-2860   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |

| TUBING RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|------|--------|-----------|---|
|---------------|------|--------|-----------|---|

|  |   |
|--|---|
| Date of First, Resumed Production, SWD or Enhr.<br>(See G-2) | Producing Method<br><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 |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

|  |  |                                     |
|--|--|-------------------------------------|
| Disposition of Gas<br><input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Sumit ACO-18.)</i> | METHOD OF COMPLETION<br><input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><input type="checkbox"/> Other (Specify) | Production Interval<br>2656<br>2860 |
|--|--|-------------------------------------|

ORIGINAL

15-189-21895-0001

|                      |                             |
|----------------------|-----------------------------|
| <b>Schlumberger</b>  | Customer: Exxon Mobil       |
|                      | District: Ulysses           |
|                      | Representative: John Rice   |
|                      | DS Supervisor: Dave Brawley |
|                      | Well: Bissit 1-3            |
| Job Date: 03-11-2002 |                             |

| AcqTime<br>mm:dd:yyyy:hh:mm:ss | TR PRESS<br>psi     | BH FOAM QUALITY<br>% | INJ RATE<br>bbl/min | N2 RATE<br>scf/min | SLUR RATE<br>bbl/min | TOT INJ<br>bbl | TOT N2<br>Mscf | TOT SLUR<br>bbl |  |
|--------------------------------|---------------------|----------------------|---------------------|--------------------|----------------------|----------------|----------------|-----------------|--|
| 03:11:2002:13:44:54            | 96                  | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:45:04            | 96                  | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:45:14            | 92                  | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:45:24            | 87                  | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:45:28            | Pressure Test Lines |                      |                     |                    |                      |                |                |                 |  |
| 03:11:2002:13:45:28            | 87                  | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:45:34            | 92                  | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:45:44            | 92                  | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:45:54            | 224                 | 0.0                  | 0.5                 | 0                  | 0.5                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:46:04            | 343                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:46:14            | 444                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:46:24            | 426                 | 0.0                  | 0.1                 | 0                  | 0.1                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:46:34            | 1089                | 0.0                  | 0.1                 | 0                  | 0.1                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:46:44            | 1785                | 0.0                  | 0.3                 | 0                  | 0.3                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:46:54            | 2028                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:47:04            | 2298                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:47:14            | 2463                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:47:24            | 2628                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:47:34            | 2769                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:47:44            | 2875                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:47:54            | 2957                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:48:04            | 2985                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:48:14            | 2971                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:48:24            | 2966                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:48:34            | 2957                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:48:44            | 2953                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:48:54            | 2948                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:49:04            | 2943                | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:49:14            | 2939                | 0.0                  | 0.0                 | 2962               | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:49:24            | 2939                | 0.0                  | 0.0                 | 3032               | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:49:34            | 2934                | 0.0                  | 0.0                 | 3022               | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:49:44            | 2934                | 0.0                  | 0.0                 | 20                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:49:54            | 2934                | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:50:04            | 2934                | 0.0                  | 0.0                 | 60                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:50:14            | 2934                | 0.0                  | 0.0                 | 100                | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:50:24            | 2930                | 0.0                  | 0.0                 | 30                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:50:34            | 2930                | 0.0                  | 0.0                 | 30                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:50:44            | 2930                | 0.0                  | 0.0                 | 30                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:50:54            | 2925                | 0.0                  | 0.0                 | 20                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:51:04            | 2930                | 0.0                  | 0.0                 | 20                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:51:14            | 2925                | 0.0                  | 0.0                 | 20                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:51:24            | 2921                | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:51:34            | 2921                | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:51:44            | 2925                | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:51:54            | 2888                | 0.0                  | 0.0                 | 20                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:52:04            | 394                 | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:52:14            | 188                 | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:52:24            | 197                 | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:52:34            | 206                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:52:44            | 206                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:52:54            | 215                 | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:53:04            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:53:14            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:53:24            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:53:34            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:53:44            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:53:54            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:54:04            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:54:14            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:54:24            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:54:34            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:54:44            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:54:54            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:55:04            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:55:14            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:55:24            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:55:34            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:55:44            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:55:54            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:56:04            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:56:14            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |
| 03:11:2002:13:56:24            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |  |

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 09 2002

CONSERVATION DIVISION  
WICHITA, KS

# ORIGINAL

Well: Bissit 1-3

Job Date: 03-11-2002

| AcqTime<br>mm:dd:yyyy:hh:mm:ss | TR PRESS<br>psi     | BH FOAM QUALITY<br>% | INJ RATE<br>bbl/min | N2 RATE<br>scf/min | SLUR RATE<br>bbl/min | TOT INJ<br>bbl | TOT N2<br>Mscf | TOT SLUR<br>bbl |
|--------------------------------|---------------------|----------------------|---------------------|--------------------|----------------------|----------------|----------------|-----------------|
| 03:11:2002:13:56:44            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:56:54            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:57:04            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:57:14            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:57:24            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:57:34            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:57:44            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:57:54            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:58:04            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:58:14            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:58:24            | 206                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:58:34            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:58:44            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:58:54            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:59:04            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:59:14            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:59:24            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:59:34            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:59:44            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:13:59:54            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:00:04            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:00:14            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:00:24            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:00:34            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:00:44            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:00:54            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:01:04            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:01:14            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:01:24            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:01:34            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:01:44            | 211                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:01:54            | 215                 | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:04:17            | 5                   | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:04:27            | 9                   | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:04:37            | 9                   | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:04:47            | 9                   | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:04:57            | 9                   | 0.0                  | 0.0                 | 0                  | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:05:07            | 23                  | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:05:15            | Started Pad         |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:05:15            | 27                  | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:05:17            | 27                  | 0.0                  | 0.0                 | 10                 | 0.0                  | 0.0            | 0.0            | 0.0             |
| 03:11:2002:14:05:27            | 101                 | 0.0                  | 337.8               | 10886              | 0.0                  | 16.2           | 1.1            | 0.0             |
| 03:11:2002:14:05:37            | 160                 | 0.0                  | 206.8               | 12116              | 0.0                  | 58.4           | 3.0            | 0.0             |
| 03:11:2002:14:05:38            | Stage at Perfs. Pad |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:05:38            | 165                 | 0.0                  | 202.4               | 12266              | 0.0                  | 61.8           | 3.2            | 0.0             |
| 03:11:2002:14:05:47            | 206                 | 0.0                  | 171.5               | 12597              | 0.0                  | 89.8           | 5.1            | 0.0             |
| 03:11:2002:14:05:57            | 247                 | 0.0                  | 178.1               | 13217              | 1.1                  | 118.6          | 7.3            | 0.1             |
| 03:11:2002:14:06:07            | 293                 | 0.0                  | 183.1               | 13327              | 5.2                  | 148.8          | 9.5            | 0.6             |
| 03:11:2002:14:06:17            | 330                 | 99.2                 | 189.6               | 13557              | 8.1                  | 179.9          | 11.7           | 1.7             |
| 03:11:2002:14:06:27            | 348                 | 97.0                 | 189.7               | 13557              | 8.1                  | 211.5          | 14.0           | 3.1             |
| 03:11:2002:14:06:37            | 371                 | 95.9                 | 189.5               | 13577              | 8.3                  | 243.1          | 16.3           | 4.4             |
| 03:11:2002:14:06:47            | 380                 | 95.8                 | 189.7               | 13567              | 8.3                  | 274.7          | 18.5           | 5.8             |
| 03:11:2002:14:06:57            | 403                 | 95.6                 | 40.4                | 13567              | 8.4                  | 292.6          | 20.8           | 7.2             |
| 03:11:2002:14:07:07            | 430                 | 95.6                 | 40.5                | 13667              | 8.4                  | 299.4          | 23.0           | 8.6             |
| 03:11:2002:14:07:11            | Increase Pump Rate  |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:07:11            | 449                 | 95.6                 | 40.0                | 12807              | 11.3                 | 302.1          | 23.9           | 9.3             |
| 03:11:2002:14:07:17            | 517                 | 95.6                 | 65.6                | 23142              | 12.0                 | 306.8          | 25.6           | 10.4            |
| 03:11:2002:14:07:27            | 641                 | 95.1                 | 77.8                | 27464              | 13.0                 | 318.7          | 29.8           | 12.5            |
| 03:11:2002:14:07:37            | 774                 | 95.0                 | 78.4                | 27324              | 13.9                 | 331.6          | 34.3           | 14.7            |
| 03:11:2002:14:07:47            | 929                 | 93.9                 | 80.6                | 28025              | 14.8                 | 344.8          | 38.9           | 17.1            |
| 03:11:2002:14:07:57            | 1057                | 79.4                 | 82.9                | 28265              | 15.6                 | 358.5          | 43.7           | 19.7            |
| 03:11:2002:14:08:07            | 1172                | 82.8                 | 83.2                | 28525              | 15.9                 | 372.1          | 48.3           | 22.3            |
| 03:11:2002:14:08:17            | 1282                | 82.4                 | 83.3                | 28585              | 15.9                 | 386.0          | 53.1           | 25.0            |
| 03:11:2002:14:08:27            | 1410                | 81.9                 | 82.3                | 28075              | 15.9                 | 399.9          | 57.9           | 27.6            |
| 03:11:2002:14:08:37            | 1552                | 81.4                 | 81.8                | 28015              | 15.8                 | 413.5          | 62.5           | 30.2            |
| 03:11:2002:14:08:47            | 1680                | 81.1                 | 82.7                | 28365              | 15.8                 | 427.2          | 67.2           | 32.9            |
| 03:11:2002:14:08:57            | 1808                | 81.0                 | 82.7                | 28395              | 15.6                 | 441.0          | 71.9           | 35.5            |
| 03:11:2002:14:09:07            | 1932                | 80.9                 | 82.7                | 28415              | 15.6                 | 454.8          | 76.7           | 38.1            |
| 03:11:2002:14:09:17            | 2023                | 80.8                 | 82.5                | 28405              | 15.5                 | 468.6          | 81.4           | 40.7            |
| 03:11:2002:14:09:27            | 2083                | 80.9                 | 63.5                | 20281              | 15.6                 | 482.0          | 86.0           | 43.3            |
| 03:11:2002:14:09:37            | 2110                | 80.9                 | 63.3                | 20271              | 15.5                 | 492.6          | 89.4           | 45.9            |
| 03:11:2002:14:09:47            | 2119                | 81.0                 | 79.4                | 27054              | 15.6                 | 505.2          | 93.7           | 48.5            |
| 03:11:2002:14:09:57            | 2078                | 81.0                 | 79.5                | 27034              | 15.6                 | 518.4          | 98.2           | 51.1            |
| 03:11:2002:14:10:07            | 2019                | 81.0                 | 79.4                | 27044              | 15.6                 | 531.7          | 102.8          | 53.7            |
| 03:11:2002:14:10:17            | 1964                | 75.4                 | 79.6                | 27064              | 15.8                 | 544.9          | 107.3          | 56.3            |
| 03:11:2002:14:10:26            | Rate/Psi            |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:10:26            | 1909                | 80.3                 | 79.8                | 27154              | 15.8                 | 556.9          | 111.3          | 58.7            |
| 03:11:2002:14:10:27            | 1900                | 80.3                 | 79.8                | 27144              | 15.8                 | 558.2          | 111.8          | 59.0            |

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CONSERVATION DIVISION  
WICHITA, KS

# ORIGINAL

Well: Bissit 1-3

Job Date: 03-11-2002

| AcqTime<br>mm:dd:yyyy:hh:mm:ss | TR PRESS<br>psi | BH FOAM QUALITY<br>% | INJ RATE<br>bbl/min | N2 RATE<br>scf/min | SLUR RATE<br>bbl/min | TOT INJ<br>bbl | TOT N2<br>Mscf | TOT SLUR<br>bbl |
|--------------------------------|-----------------|----------------------|---------------------|--------------------|----------------------|----------------|----------------|-----------------|
| 03:11:2002:14:10:37            | 1845            | 80.3                 | 80.0                | 27204              | 15.9                 | 571.5          | 116.3          | 61.6            |
| 03:11:2002:14:10:47            | 1776            | 80.3                 | 80.0                | 27194              | 15.9                 | 584.8          | 120.8          | 64.2            |
| 03:11:2002:14:10:57            | 1726            | 80.3                 | 80.0                | 27204              | 15.9                 | 598.2          | 125.4          | 66.9            |
| 03:11:2002:14:11:07            | 1689            | 80.2                 | 80.2                | 27234              | 16.0                 | 611.5          | 129.9          | 69.6            |
| 03:11:2002:14:11:17            | 1657            | 80.2                 | 80.2                | 27234              | 16.0                 | 624.9          | 134.4          | 72.2            |
| 03:11:2002:14:11:27            | 1625            | 80.2                 | 80.2                | 27224              | 15.9                 | 638.2          | 139.0          | 74.9            |
| 03:11:2002:14:11:37            | 1602            | 80.1                 | 80.2                | 27244              | 16.0                 | 651.6          | 143.5          | 77.6            |
| 03:11:2002:14:11:47            | 1588            | 80.1                 | 64.3                | 20451              | 16.0                 | 662.7          | 147.0          | 80.2            |
| 03:11:2002:14:11:57            | 1575            | 80.1                 | 80.2                | 27234              | 16.0                 | 674.1          | 150.7          | 82.9            |
| 03:11:2002:14:12:07            | 1561            | 80.1                 | 80.3                | 27224              | 16.0                 | 687.5          | 155.2          | 85.6            |
| 03:11:2002:14:12:17            | 1547            | 80.1                 | 80.4                | 27224              | 16.2                 | 700.9          | 159.7          | 88.3            |
| 03:11:2002:14:12:27            | 1538            | 80.1                 | 80.4                | 27224              | 16.2                 | 714.2          | 164.3          | 90.9            |
| 03:11:2002:14:12:37            | 1534            | 75.0                 | 80.3                | 27254              | 16.0                 | 727.6          | 168.8          | 93.6            |
| 03:11:2002:14:12:47            | 1529            | 80.0                 | 80.4                | 27224              | 16.2                 | 741.0          | 173.4          | 96.3            |
| 03:11:2002:14:12:57            | 1529            | 80.0                 | 80.4                | 27234              | 16.2                 | 754.4          | 177.9          | 99.0            |
| 03:11:2002:14:13:07            | 1524            | 80.0                 | 80.3                | 27224              | 16.0                 | 767.8          | 182.4          | 101.7           |
| 03:11:2002:14:13:17            | 1524            | 80.0                 | 80.4                | 27214              | 16.2                 | 781.2          | 187.0          | 104.4           |
| 03:11:2002:14:13:27            | 1524            | 80.0                 | 80.4                | 27234              | 16.2                 | 794.6          | 191.5          | 107.0           |
| 03:11:2002:14:13:37            | 1515            | 80.0                 | 80.4                | 27224              | 16.2                 | 808.0          | 196.1          | 109.7           |
| 03:11:2002:14:13:47            | 1511            | 79.9                 | 80.4                | 27224              | 16.2                 | 821.4          | 200.6          | 112.4           |
| 03:11:2002:14:13:57            | 1506            | 79.9                 | 80.4                | 27224              | 16.2                 | 834.7          | 205.1          | 115.1           |
| 03:11:2002:14:14:07            | 1506            | 79.9                 | 80.4                | 27234              | 16.2                 | 848.1          | 209.7          | 117.8           |
| 03:11:2002:14:14:17            | 1501            | 79.9                 | 80.3                | 27224              | 16.2                 | 861.5          | 214.2          | 120.5           |
| 03:11:2002:14:14:19            | Rate/Psi        |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:14:19            | 1506            | 79.9                 | 80.4                | 27244              | 16.2                 | 864.2          | 215.1          | 121.0           |
| 03:11:2002:14:14:27            | 1506            | 79.9                 | 80.4                | 27224              | 16.2                 | 874.9          | 218.7          | 123.2           |
| 03:11:2002:14:14:37            | 1506            | 79.9                 | 80.3                | 27224              | 16.2                 | 888.3          | 223.3          | 125.9           |
| 03:11:2002:14:14:47            | 1506            | 79.9                 | 80.4                | 27224              | 16.2                 | 901.7          | 227.8          | 128.6           |
| 03:11:2002:14:14:57            | 1501            | 79.9                 | 80.4                | 27244              | 16.2                 | 915.1          | 232.4          | 131.3           |
| 03:11:2002:14:15:07            | 1501            | 79.9                 | 80.3                | 27254              | 16.2                 | 928.5          | 236.9          | 133.9           |
| 03:11:2002:14:15:17            | 1501            | 79.9                 | 80.4                | 27244              | 16.2                 | 941.9          | 241.4          | 136.6           |
| 03:11:2002:14:15:27            | 1501            | 79.9                 | 80.4                | 27224              | 16.2                 | 955.3          | 246.0          | 139.3           |
| 03:11:2002:14:15:37            | 1501            | 79.9                 | 80.4                | 27234              | 16.2                 | 968.7          | 250.5          | 142.0           |
| 03:11:2002:14:15:47            | 1497            | 79.9                 | 80.4                | 27244              | 16.2                 | 982.1          | 255.1          | 144.7           |
| 03:11:2002:14:15:57            | 1501            | 79.9                 | 80.4                | 27244              | 16.2                 | 995.5          | 259.6          | 147.4           |
| 03:11:2002:14:16:07            | 1501            | 79.9                 | 80.4                | 27244              | 16.2                 | 1008.9         | 264.1          | 150.1           |
| 03:11:2002:14:16:17            | 1501            | 79.9                 | 80.4                | 27234              | 16.2                 | 1022.3         | 268.7          | 152.8           |
| 03:11:2002:14:16:27            | 1497            | 79.9                 | 80.4                | 27244              | 16.2                 | 1035.7         | 273.2          | 155.5           |
| 03:11:2002:14:16:37            | 1497            | 79.9                 | 80.3                | 27234              | 16.2                 | 1049.1         | 277.7          | 158.2           |
| 03:11:2002:14:16:47            | 1497            | 79.9                 | 80.4                | 27234              | 16.2                 | 1062.5         | 282.3          | 160.9           |
| 03:11:2002:14:16:57            | 1497            | 79.9                 | 80.5                | 27214              | 16.3                 | 1075.9         | 286.8          | 163.6           |
| 03:11:2002:14:17:07            | 1497            | 79.9                 | 80.4                | 27234              | 16.2                 | 1089.3         | 291.4          | 166.3           |
| 03:11:2002:14:17:17            | 1497            | 79.9                 | 80.5                | 27234              | 16.3                 | 1102.7         | 295.9          | 169.0           |
| 03:11:2002:14:17:27            | 1492            | 79.9                 | 80.4                | 27234              | 16.2                 | 1116.1         | 300.4          | 171.7           |
| 03:11:2002:14:17:37            | 1492            | 79.9                 | 80.4                | 27224              | 16.2                 | 1129.5         | 305.0          | 174.4           |
| 03:11:2002:14:17:47            | 1492            | 79.9                 | 80.1                | 27234              | 15.9                 | 1142.9         | 309.5          | 177.0           |
| 03:11:2002:14:17:57            | 1492            | 79.9                 | 80.1                | 27224              | 15.9                 | 1156.2         | 314.1          | 179.7           |
| 03:11:2002:14:18:07            | 1488            | 79.9                 | 80.1                | 27234              | 15.9                 | 1169.6         | 318.6          | 182.4           |
| 03:11:2002:14:18:17            | 1488            | 79.9                 | 80.1                | 27224              | 15.9                 | 1183.0         | 323.1          | 185.0           |
| 03:11:2002:14:18:27            | 1492            | 80.0                 | 80.2                | 27234              | 16.0                 | 1196.3         | 327.7          | 187.7           |
| 03:11:2002:14:18:37            | 1488            | 80.0                 | 80.1                | 27234              | 15.9                 | 1209.7         | 332.2          | 190.3           |
| 03:11:2002:14:18:47            | 1488            | 80.1                 | 80.1                | 27224              | 15.9                 | 1223.0         | 336.7          | 193.0           |
| 03:11:2002:14:18:51            | Rate/Psi        |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:18:51            | 1488            | 80.1                 | 80.2                | 27224              | 16.0                 | 1228.4         | 338.6          | 194.1           |
| 03:11:2002:14:18:57            | 1483            | 80.1                 | 80.1                | 27234              | 15.9                 | 1236.4         | 341.3          | 195.7           |
| 03:11:2002:14:19:07            | 1488            | 80.1                 | 80.1                | 27234              | 15.9                 | 1249.8         | 345.8          | 198.3           |
| 03:11:2002:14:19:17            | 1479            | 80.1                 | 80.1                | 27224              | 15.9                 | 1263.1         | 350.4          | 201.0           |
| 03:11:2002:14:19:27            | 1479            | 80.1                 | 80.3                | 27224              | 16.0                 | 1276.5         | 354.9          | 203.6           |
| 03:11:2002:14:19:37            | 1479            | 80.1                 | 80.1                | 27234              | 15.9                 | 1289.9         | 359.4          | 206.3           |
| 03:11:2002:14:19:47            | 1488            | 80.1                 | 80.1                | 27234              | 15.9                 | 1303.2         | 364.0          | 208.9           |
| 03:11:2002:14:19:57            | 1479            | 80.1                 | 80.1                | 27224              | 15.9                 | 1316.6         | 368.5          | 211.6           |
| 03:11:2002:14:20:07            | 1479            | 80.1                 | 80.1                | 27224              | 15.9                 | 1329.9         | 373.1          | 214.3           |
| 03:11:2002:14:20:17            | 1483            | 80.1                 | 80.1                | 27224              | 15.9                 | 1343.3         | 377.6          | 216.9           |
| 03:11:2002:14:20:27            | 1479            | 80.1                 | 80.1                | 27244              | 15.9                 | 1356.7         | 382.1          | 219.6           |
| 03:11:2002:14:20:37            | 1483            | 80.1                 | 80.1                | 27224              | 15.9                 | 1370.0         | 386.7          | 222.2           |
| 03:11:2002:14:20:47            | 1483            | 80.1                 | 80.1                | 27234              | 15.9                 | 1383.4         | 391.2          | 224.9           |
| 03:11:2002:14:20:57            | 1483            | 80.1                 | 80.1                | 27234              | 15.9                 | 1396.8         | 395.7          | 227.6           |
| 03:11:2002:14:21:07            | 1483            | 80.1                 | 80.1                | 27234              | 15.9                 | 1410.1         | 400.3          | 230.2           |
| 03:11:2002:14:21:17            | 1483            | 80.1                 | 80.1                | 27234              | 15.9                 | 1423.5         | 404.8          | 232.9           |
| 03:11:2002:14:21:27            | 1483            | 80.1                 | 80.2                | 27214              | 16.0                 | 1436.9         | 409.4          | 235.6           |
| 03:11:2002:14:21:37            | 1483            | 80.1                 | 80.3                | 27224              | 16.0                 | 1450.2         | 413.9          | 238.2           |
| 03:11:2002:14:21:47            | 1479            | 80.1                 | 80.2                | 27224              | 15.9                 | 1463.6         | 418.4          | 240.9           |
| 03:11:2002:14:21:57            | 1479            | 80.1                 | 80.2                | 27254              | 16.0                 | 1477.0         | 423.0          | 243.5           |
| 03:11:2002:14:22:07            | 1483            | 80.1                 | 80.3                | 27234              | 16.0                 | 1490.3         | 427.5          | 246.2           |
| 03:11:2002:14:22:17            | 1479            | 80.1                 | 80.1                | 27234              | 15.9                 | 1503.7         | 432.1          | 248.9           |
| 03:11:2002:14:22:27            | 1479            | 80.1                 | 80.3                | 27234              | 16.0                 | 1517.1         | 436.6          | 251.5           |
| 03:11:2002:14:22:37            | 1483            | 80.1                 | 80.3                | 27234              | 16.0                 | 1530.4         | 441.1          | 254.2           |
| 03:11:2002:14:22:47            | 1479            | 80.1                 | 80.3                | 27224              | 16.0                 | 1543.8         | 445.7          | 256.8           |

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**MAY 09 2002**

CONSERVATION DIVISION  
 WICHITA, KS

ORIGINAL

Job Date: 03-11-2002

Well: Bissit 1-3

| AcqTime<br>mm:dd:yyyy:hh:mm:ss | TR PRESS<br>psi | BH FOAM QUALITY<br>% | INJ RATE<br>bbl/min | N2 RATE<br>scf/min | SLUR RATE<br>bbl/min | TOT INJ<br>bbi | TOT N2<br>Mscf | TOT SLUR<br>bbi |
|--------------------------------|-----------------|----------------------|---------------------|--------------------|----------------------|----------------|----------------|-----------------|
| 03:11:2002:14:22:57            | 1479            | 80.1                 | 80.1                | 27214              | 15.9                 | 1557.1         | 450.2          | 259.5           |
| 03:11:2002:14:23:07            | 1479            | 80.1                 | 80.1                | 27204              | 15.9                 | 1570.5         | 454.7          | 262.2           |
| 03:11:2002:14:23:17            | 1479            | 80.1                 | 80.2                | 27224              | 16.0                 | 1583.9         | 459.3          | 264.8           |
| 03:11:2002:14:23:27            | 1479            | 80.1                 | 80.3                | 27234              | 16.0                 | 1597.2         | 463.8          | 267.5           |
| 03:11:2002:14:23:37            | 1479            | 80.1                 | 80.3                | 27224              | 16.0                 | 1610.6         | 468.4          | 270.2           |
| 03:11:2002:14:23:47            | 1479            | 80.1                 | 80.2                | 27234              | 16.0                 | 1624.0         | 472.9          | 272.8           |
| 03:11:2002:14:23:57            | 1479            | 80.1                 | 80.3                | 27224              | 16.0                 | 1637.3         | 477.4          | 275.5           |
| 03:11:2002:14:24:07            | 1479            | 80.1                 | 80.1                | 27214              | 15.9                 | 1650.7         | 482.0          | 278.2           |
| 03:11:2002:14:24:17            | 1474            | 80.1                 | 80.3                | 27224              | 16.0                 | 1664.1         | 486.5          | 280.8           |
| 03:11:2002:14:24:27            | 1474            | 80.1                 | 80.1                | 27234              | 15.9                 | 1677.4         | 491.1          | 283.5           |
| 03:11:2002:14:24:37            | 1474            | 80.1                 | 80.3                | 27224              | 16.0                 | 1690.8         | 495.6          | 286.1           |
| 03:11:2002:14:24:46            | Rate/Psi        |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:24:45            | 1474            | 80.1                 | 80.3                | 27224              | 16.0                 | 1701.5         | 499.2          | 288.3           |
| 03:11:2002:14:24:47            | 1474            | 80.1                 | 80.3                | 27234              | 16.0                 | 1704.2         | 500.1          | 288.8           |
| 03:11:2002:14:24:57            | 1474            | 80.1                 | 80.3                | 27214              | 16.0                 | 1717.5         | 504.7          | 291.5           |
| 03:11:2002:14:25:07            | 1474            | 80.1                 | 80.3                | 27224              | 16.0                 | 1730.9         | 509.2          | 294.1           |
| 03:11:2002:14:25:17            | 1474            | 80.1                 | 80.3                | 27224              | 16.0                 | 1744.3         | 513.7          | 296.8           |
| 03:11:2002:14:25:27            | 1469            | 80.1                 | 80.1                | 27224              | 15.9                 | 1757.6         | 518.3          | 299.5           |
| 03:11:2002:14:25:37            | 1474            | 80.1                 | 80.3                | 27234              | 16.0                 | 1771.0         | 522.8          | 302.1           |
| 03:11:2002:14:25:47            | 1469            | 80.1                 | 80.3                | 27244              | 16.0                 | 1784.4         | 527.4          | 304.8           |
| 03:11:2002:14:25:57            | 1469            | 80.1                 | 80.2                | 27234              | 16.0                 | 1797.8         | 531.9          | 307.5           |
| 03:11:2002:14:26:07            | 1469            | 80.1                 | 80.2                | 27244              | 16.0                 | 1811.1         | 536.4          | 310.1           |
| 03:11:2002:14:26:17            | 1465            | 80.1                 | 80.3                | 27224              | 16.0                 | 1824.5         | 541.0          | 312.8           |
| 03:11:2002:14:26:27            | 1465            | 80.1                 | 80.3                | 27254              | 16.0                 | 1837.9         | 545.5          | 315.5           |
| 03:11:2002:14:26:37            | 1469            | 80.1                 | 80.1                | 27254              | 15.9                 | 1851.2         | 550.1          | 318.1           |
| 03:11:2002:14:26:47            | 1469            | 80.1                 | 80.2                | 27224              | 16.0                 | 1864.6         | 554.6          | 320.8           |
| 03:11:2002:14:26:57            | 1465            | 80.1                 | 80.2                | 27224              | 16.0                 | 1878.0         | 559.1          | 323.5           |
| 03:11:2002:14:27:07            | 1469            | 80.1                 | 80.2                | 27234              | 16.0                 | 1891.3         | 563.7          | 326.1           |
| 03:11:2002:14:27:17            | 1469            | 80.1                 | 80.2                | 27234              | 16.0                 | 1904.7         | 568.2          | 328.8           |
| 03:11:2002:14:27:27            | 1469            | 80.1                 | 80.2                | 27224              | 16.0                 | 1918.1         | 572.7          | 331.5           |
| 03:11:2002:14:27:37            | 1469            | 80.1                 | 80.2                | 27234              | 16.0                 | 1931.5         | 577.3          | 334.1           |
| 03:11:2002:14:27:47            | 1469            | 80.1                 | 80.3                | 27304              | 16.0                 | 1944.8         | 581.8          | 336.8           |
| 03:11:2002:14:27:57            | 1469            | 80.1                 | 80.2                | 27244              | 16.0                 | 1958.2         | 586.4          | 339.5           |
| 03:11:2002:14:28:07            | 1469            | 80.1                 | 80.2                | 27234              | 16.0                 | 1971.6         | 590.9          | 342.1           |
| 03:11:2002:14:28:17            | 1469            | 80.1                 | 80.3                | 27224              | 16.0                 | 1985.0         | 595.4          | 344.8           |
| 03:11:2002:14:28:24            | Rate/Psi        |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:28:24            | 1469            | 80.1                 | 80.2                | 27224              | 16.0                 | 1994.3         | 598.6          | 346.7           |
| 03:11:2002:14:28:27            | 1465            | 80.1                 | 80.2                | 27234              | 16.0                 | 1998.3         | 600.0          | 347.5           |
| 03:11:2002:14:28:37            | 1469            | 80.1                 | 80.1                | 27224              | 15.9                 | 2011.7         | 604.5          | 350.1           |
| 03:11:2002:14:28:47            | 1474            | 80.1                 | 80.3                | 27234              | 16.0                 | 2025.1         | 609.1          | 352.8           |
| 03:11:2002:14:28:57            | 1469            | 80.1                 | 80.1                | 27234              | 15.9                 | 2038.5         | 613.6          | 355.5           |
| 03:11:2002:14:29:07            | 1469            | 80.1                 | 80.3                | 27224              | 16.0                 | 2051.8         | 618.1          | 358.1           |
| 03:11:2002:14:29:17            | 1469            | 80.1                 | 80.3                | 27224              | 16.0                 | 2065.2         | 622.7          | 360.8           |
| 03:11:2002:14:29:27            | 1465            | 80.1                 | 80.3                | 27234              | 16.0                 | 2078.6         | 627.2          | 363.5           |
| 03:11:2002:14:29:37            | 1469            | 80.1                 | 80.2                | 27234              | 16.0                 | 2091.9         | 631.8          | 366.1           |
| 03:11:2002:14:29:47            | 1469            | 80.1                 | 80.1                | 27234              | 15.9                 | 2105.3         | 636.3          | 368.8           |
| 03:11:2002:14:29:57            | 1469            | 80.0                 | 80.2                | 27234              | 16.0                 | 2118.7         | 640.8          | 371.5           |
| 03:11:2002:14:30:07            | 1469            | 80.0                 | 80.1                | 27224              | 15.9                 | 2132.1         | 645.4          | 374.1           |
| 03:11:2002:14:30:17            | 1469            | 80.0                 | 80.2                | 27234              | 16.0                 | 2145.4         | 649.9          | 376.8           |
| 03:11:2002:14:30:27            | 1465            | 80.0                 | 80.2                | 27224              | 16.0                 | 2158.8         | 654.4          | 379.5           |
| 03:11:2002:14:30:37            | 1469            | 80.0                 | 80.3                | 27224              | 16.0                 | 2172.2         | 659.0          | 382.1           |
| 03:11:2002:14:30:47            | 1469            | 80.0                 | 80.3                | 27234              | 16.0                 | 2185.5         | 663.5          | 384.8           |
| 03:11:2002:14:30:57            | 1469            | 80.0                 | 80.3                | 27234              | 16.0                 | 2198.9         | 668.1          | 387.5           |
| 03:11:2002:14:31:07            | 1465            | 80.0                 | 80.3                | 27224              | 16.0                 | 2212.3         | 672.6          | 390.1           |
| 03:11:2002:14:31:17            | 1469            | 80.0                 | 80.3                | 27224              | 16.0                 | 2225.7         | 677.1          | 392.8           |
| 03:11:2002:14:31:27            | 1469            | 80.0                 | 80.3                | 27234              | 16.0                 | 2239.0         | 681.7          | 395.5           |
| 03:11:2002:14:31:37            | 1469            | 80.0                 | 80.2                | 27224              | 16.0                 | 2252.4         | 686.2          | 398.2           |
| 03:11:2002:14:31:47            | 1469            | 80.0                 | 80.3                | 27234              | 16.0                 | 2265.8         | 690.8          | 400.8           |
| 03:11:2002:14:31:57            | 1469            | 80.0                 | 80.3                | 27234              | 16.0                 | 2279.2         | 695.3          | 403.5           |
| 03:11:2002:14:32:07            | 1474            | 80.0                 | 80.1                | 27234              | 15.9                 | 2292.5         | 699.8          | 406.2           |
| 03:11:2002:14:32:17            | 1469            | 80.0                 | 80.3                | 27224              | 16.0                 | 2305.9         | 704.4          | 408.8           |
| 03:11:2002:14:32:27            | 1469            | 80.0                 | 80.3                | 27224              | 16.0                 | 2319.3         | 708.9          | 411.5           |
| 03:11:2002:14:32:37            | 1465            | 80.0                 | 80.2                | 27214              | 16.0                 | 2332.7         | 713.4          | 414.2           |
| 03:11:2002:14:32:47            | 1465            | 80.0                 | 80.3                | 27234              | 16.0                 | 2346.0         | 718.0          | 416.8           |
| 03:11:2002:14:32:57            | 1465            | 80.0                 | 80.2                | 27244              | 16.0                 | 2359.4         | 722.5          | 419.5           |
| 03:11:2002:14:33:07            | 1469            | 80.0                 | 80.2                | 27234              | 16.0                 | 2372.8         | 727.1          | 422.2           |
| 03:11:2002:14:33:17            | 1465            | 80.0                 | 80.2                | 27224              | 16.0                 | 2386.2         | 731.6          | 424.9           |
| 03:11:2002:14:33:27            | 1465            | 80.0                 | 80.3                | 27234              | 16.0                 | 2399.5         | 736.1          | 427.5           |
| 03:11:2002:14:33:37            | 1465            | 80.0                 | 80.3                | 27234              | 16.0                 | 2412.9         | 740.7          | 430.2           |
| 03:11:2002:14:33:47            | 1465            | 80.0                 | 80.3                | 27244              | 16.0                 | 2426.3         | 745.2          | 432.9           |
| 03:11:2002:14:33:57            | 1465            | 80.0                 | 80.3                | 27254              | 16.0                 | 2439.7         | 749.8          | 435.5           |
| 03:11:2002:14:34:07            | 1469            | 80.0                 | 80.3                | 27284              | 16.0                 | 2453.1         | 754.3          | 438.2           |
| 03:11:2002:14:34:17            | 1469            | 80.0                 | 80.4                | 27284              | 16.0                 | 2466.4         | 758.9          | 440.9           |
| 03:11:2002:14:34:19            | Rate/Psi        |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:34:19            | 1465            | 80.0                 | 80.4                | 27274              | 16.0                 | 2469.1         | 759.8          | 441.4           |
| 03:11:2002:14:34:27            | 1465            | 80.0                 | 80.4                | 27284              | 16.0                 | 2479.8         | 763.4          | 443.5           |
| 03:11:2002:14:34:37            | 1469            | 80.0                 | 80.4                | 27284              | 16.0                 | 2493.2         | 767.9          | 446.2           |
| 03:11:2002:14:34:47            | 1469            | 80.0                 | 80.4                | 27304              | 16.0                 | 2506.6         | 772.5          | 448.9           |

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# ORIGINAL

Job Date: 03-11-2002

Well: Bissit 1-3

| AcqTime<br>mm:dd:yyyy:hh:mm:ss | TR PRESS<br>psi             | BH FOAM QUALITY<br>% | INJ RATE<br>bbl/min | N2 RATE<br>scf/min | SLUR RATE<br>bbl/min | TOT INJ<br>bbl | TOT N2<br>Mscf | TOT SLUR<br>bbl |
|--------------------------------|-----------------------------|----------------------|---------------------|--------------------|----------------------|----------------|----------------|-----------------|
| 03:11:2002:14:34:57            | 1474                        | 80.0                 | 80.4                | 27294              | 16.0                 | 2520.0         | 777.0          | 451.6           |
| 03:11:2002:14:35:07            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2533.4         | 781.6          | 454.2           |
| 03:11:2002:14:35:17            | 1465                        | 80.1                 | 80.4                | 27274              | 16.0                 | 2546.8         | 786.1          | 456.9           |
| 03:11:2002:14:35:27            | 1474                        | 80.1                 | 80.4                | 27264              | 16.0                 | 2560.2         | 790.7          | 459.6           |
| 03:11:2002:14:35:37            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2573.6         | 795.2          | 462.2           |
| 03:11:2002:14:35:47            | 1469                        | 80.1                 | 80.4                | 27274              | 16.0                 | 2587.0         | 799.8          | 464.9           |
| 03:11:2002:14:35:57            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2600.4         | 804.3          | 467.6           |
| 03:11:2002:14:36:07            | 1469                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2613.8         | 808.9          | 470.3           |
| 03:11:2002:14:36:17            | 1465                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2627.2         | 813.4          | 472.9           |
| 03:11:2002:14:36:27            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2640.6         | 818.0          | 475.6           |
| 03:11:2002:14:36:37            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2654.0         | 822.5          | 478.3           |
| 03:11:2002:14:36:47            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2667.4         | 827.1          | 480.9           |
| 03:11:2002:14:36:57            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2680.8         | 831.6          | 483.6           |
| 03:11:2002:14:37:07            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2694.2         | 836.2          | 486.3           |
| 03:11:2002:14:37:17            | 1465                        | 80.1                 | 80.4                | 27304              | 16.0                 | 2707.6         | 840.7          | 489.0           |
| 03:11:2002:14:37:27            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2721.0         | 845.3          | 491.6           |
| 03:11:2002:14:37:37            | 1469                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2734.4         | 849.8          | 494.3           |
| 03:11:2002:14:37:47            | 1465                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2747.8         | 854.4          | 497.0           |
| 03:11:2002:14:37:57            | 1469                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2761.2         | 858.9          | 499.7           |
| 03:11:2002:14:38:07            | 1469                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2774.6         | 863.5          | 502.3           |
| 03:11:2002:14:38:17            | 1465                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2788.0         | 868.0          | 505.0           |
| 03:11:2002:14:38:27            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2801.4         | 872.6          | 507.7           |
| 03:11:2002:14:38:37            | 1465                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2814.8         | 877.1          | 510.4           |
| 03:11:2002:14:38:47            | 1465                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2828.2         | 881.7          | 513.0           |
| 03:11:2002:14:38:57            | 1465                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2841.6         | 886.2          | 515.7           |
| 03:11:2002:14:39:07            | 1469                        | 80.1                 | 80.4                | 27294              | 16.0                 | 2855.0         | 890.8          | 518.4           |
| 03:11:2002:14:39:17            | 1469                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2868.4         | 895.3          | 521.0           |
| 03:11:2002:14:39:27            | 1465                        | 80.1                 | 80.4                | 27284              | 16.0                 | 2881.8         | 899.8          | 523.7           |
| 03:11:2002:14:39:37            | 1465                        | 80.0                 | 80.4                | 27294              | 16.0                 | 2895.2         | 904.4          | 526.4           |
| 03:11:2002:14:39:47            | 1465                        | 80.0                 | 80.5                | 27284              | 16.2                 | 2908.6         | 908.9          | 529.1           |
| 03:11:2002:14:39:57            | 1469                        | 80.0                 | 80.4                | 27294              | 16.0                 | 2922.0         | 913.5          | 531.7           |
| 03:11:2002:14:40:07            | 1469                        | 80.0                 | 80.4                | 27294              | 16.0                 | 2935.4         | 918.0          | 534.4           |
| 03:11:2002:14:40:17            | 1469                        | 80.0                 | 80.4                | 27294              | 16.0                 | 2948.8         | 922.6          | 537.1           |
| 03:11:2002:14:40:27            | 1469                        | 80.0                 | 80.4                | 27294              | 16.0                 | 2962.2         | 927.1          | 539.8           |
| 03:11:2002:14:40:37            | 1469                        | 80.0                 | 80.4                | 27294              | 16.0                 | 2975.6         | 931.7          | 542.4           |
| 03:11:2002:14:40:47            | 1469                        | 80.0                 | 80.4                | 27284              | 16.0                 | 2989.0         | 936.2          | 545.1           |
| 03:11:2002:14:40:57            | 1474                        | 80.0                 | 80.4                | 27294              | 16.0                 | 3002.5         | 940.8          | 547.8           |
| 03:11:2002:14:41:06            | Started Flush Automatically |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:41:06            | 1474                        | 80.0                 | 80.4                | 27294              | 16.0                 | 3014.5         | 944.9          | 550.2           |
| 03:11:2002:14:41:07            | 1447                        | 80.0                 | 77.6                | 27294              | 13.2                 | 3015.8         | 945.3          | 550.4           |
| 03:11:2002:14:41:17            | 1392                        | 80.0                 | 64.3                | 27294              | 0.0                  | 3026.7         | 949.9          | 550.6           |
| 03:11:2002:14:41:27            | 1378                        | 80.0                 | 64.4                | 27284              | 0.0                  | 3037.4         | 954.4          | 550.6           |
| 03:11:2002:14:41:37            | 1373                        | 80.0                 | 64.4                | 27304              | 0.0                  | 3048.1         | 959.0          | 550.6           |
| 03:11:2002:14:41:47            | 1373                        | 80.0                 | 64.4                | 27304              | 0.0                  | 3058.9         | 963.5          | 550.6           |
| 03:11:2002:14:41:57            | 1382                        | 80.0                 | 64.4                | 27304              | 0.0                  | 3069.6         | 968.1          | 550.6           |
| 03:11:2002:14:42:07            | 1355                        | 80.0                 | 64.4                | 27194              | 0.0                  | 3080.3         | 972.6          | 550.6           |
| 03:11:2002:14:42:08            | Stage at Perfs. Flush       |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:42:08            | 1332                        | 83.0                 | 64.1                | 21071              | 0.0                  | 3081.4         | 973.0          | 550.6           |
| 03:11:2002:14:42:17            | Shutdown SIP                |                      |                     |                    |                      |                |                |                 |
| 03:11:2002:14:42:17            | 1241                        | 0.0                  | 0.0                 | 20                 | 0.0                  | 3084.2         | 973.8          | 550.6           |
| 03:11:2002:14:42:27            | 1222                        | 0.0                  | 0.0                 | 10                 | 0.0                  | 3084.2         | 973.8          | 550.6           |

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