

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 31609  
Name: Priority Oil & Gas LLC  
Address: PO Box 27798  
City/State/Zip: Denver, CO 80227-0798  
Purchaser: Midwest United Energy  
Operator Contact Person: Jessica Trevino  
Phone: (303) 296-3435  
Contractor: Name: Stewart Brothers Drilling  
License: 32765  
Wellsite Geologist: none ✓

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

If Workover/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>5/17/01</u>                    | <u>5/18/01</u>  | <u>7/19/01</u>                          |
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |

API No. 15 - 023-20395-0000  
 County: Cheyenne  
~~NE~~ ~~NW~~ ~~SE~~ ~~SW~~ Sec. 31 Twp. 3 S. R. 40  East  West  
2556 feet from (S) / N (circle one) Line of Section  
1834 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW (SW)  
 Lease Name: DeGood Well #: 1-31  
 Field Name: Cherry Creek  
 Producing Formation: Beecher Island/Niobrara  
 Elevation: Ground: 3330 Kelly Bushing: 3336  
 Total Depth: 1307 ✓ Plug Back Total Depth: 1257 ✓  
 Amount of Surface Pipe Set and Cemented at 309 ✓ Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from N/A  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan See 18-4-6-1-02  
 (Data must be collected from the Reserve Pit)  
 Chloride content 13300 ppm Fluid volume 445 bbls  
 Dewatering method used Evaporate

Location of fluid disposal if hauled offsite:  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 CONSERVATION DIVISION  
 WICHITA, KS  
 AUG 01 2001  
 8-1-2001

**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: Amy Dickman  
 Title: Admin Asst Date: 7/20/01  
 Subscribed and sworn to before me this 20th day of July  
 Notary Public: [Signature]  
 Date Commission Expires: 3/29/05

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
 KCC

X

ORIGINAL

Operator Name: Priority Oil & Gas LLC Lease Name: DeGood Well #: 1-31  
 Sec. 31 Twp. 3 S. R. 40  East  West County: Cheyenne

**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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Niobrara  
 Beecher Island 1096' 2240 msl

List All E. Logs Run:

CNL-Density   
 Induction-SP-GR  
 Cement Bond

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used |                   |                           |                   |   |                |              |                            |
|---|-------------------|---------------------------|-------------------|---|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc.           |                   |                           |                   |   |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth                           | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface   | 9 7/8 in          | 7 in                      | 24 #              | 309 <input checked="" type="checkbox"/> | Reg            | 90           | 3%cc, 1/4#sk flocele       |
| Production  | 7 7/8 in          | 4 1/2 in                  | 10.5 #            | 1300                                    | 50/50 Pozmix   | 100          | 2% gel, 10%salt            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD |                  |                |             |                            |
|---------------------------------------|------------------|----------------|-------------|----------------------------|
| Purpose:                              | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| ___ Perforate                         |                  |                |             |                            |
| ___ Protect Casing                    |                  |                |             |                            |
| ___ Plug Back TD                      |                  |                |             |                            |
| ___ Plug Off Zone                     |                  |                |             |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth         |
|----------------|---|---|---------------|
| 1              | 1101-1136   | 500 gal, 7.5% HCl, CO2 foam frac w/<br>76,220# 20/40 25,180# 12/20                | 1101-<br>1136 |

| TUBING RECORD                                   |           | Size    | Set At  | Packer At     | Liner Run  |
|---|-----------|---------|---|---------------|--|
| none  |           |         |   |               | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Enhr. |           |         | Producing Method  |               |  |
|   |           |         | <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 Bbbs. | Gas Mcf | Water Bbbs.   | Gas-Oil Ratio | Gravity  |

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  
 Production Interval  Other (Specify)



# Kansas Corporation Commission

Bill Graves, Governor John Wine, Chair Cynthia L. Claus, Commissioner Brian J. Moline, Commissioner

August 08, 2001

Priority Oil & Gas LLC  
633 - 17th Street, Ste 1520  
Denver, CO 80202

RECEIVED  
NOV 08 2001  
KCC WICHITA

RE: API Well No. 15-023-20395-00-00  
DEGOOD 1-31  
NENWNESW, 31-3S-40W  
CHEYENNE County, Kansas

Dear Operator:

An affidavit of completion form (ACO-1) on the above referenced well was received on August 01, 2001. Technical review finds that the ACO-1 is incomplete. The information requested below, or an amended/corrected ACO-1, must be submitted by August 22, 2001. Only the current ACO-1 form will be accepted (Form ACO-1, Rev. 9-99), and only the lines marked below apply.

- All drilling and completion information. No ACO-1 has been received as of this date.
- Must be notarized and signed.
- Must have the ORIGINAL HARD COPY of ACO-1. We do not accept fax copies.
- Must be put on new form and typed.
- API # or date when original well was first drilled.
- Contractor License #.
- Designate type of Well Completion.
- If Workover/Re-entry, need old well information, including original completion date.
- Spud date. (Month, Day, Year)
- Other: CNL-Density log was not included.
- TD and Completion date. (Month, Day, Year)
- Must have Footages from nearest outside corner of section.
- Side two on back of ACO-1 must be completed.
- Must have Drill Stem Tests Report.
- Copies of all electric wireline logs run.
- A copy of geological reports compiled by wellsite geologist.
- A copy of all cement job logs showing type, amounts and additives used to cement casing strings, squeeze and/or to plug and abandon. (Note: Cement tickets must be from company providing the cement, not necessarily the contractor.)
- Any commingling information; File on the ACO-4 form.
- Anything HIGHLIGHTED on ACO-1.

K.C.C. regulation 82-3-107 provides confidentiality, upon written request, for a period of one year from the date of such letter request. Confidentiality rights are waived if the ACO-1 remains incomplete, or is not timely filed (within 120 days from the well's spud date) including: electric logs, geologist's wellsite reports, driller's logs, and Kansas Geological Survey requested samples.

Do not hesitate to call the Kansas Corporation Commission, Conservation Division, at (316) 337-6200 if there are any questions. PLEASE RETURN THIS FORM AND ANY ENCLOSURES WITH YOUR REPLY. Note: If the intent is incorrect, you need to file a corrected intent.

Sincerely,

Shane G. Bennett  
Production Department

\* CNL-Density log not performed on this well.

Jessica S. Treviño  
JESSICA S. TREVINÑO  
ADMIN. ASST.

ORIGINAL

Ticket

**DELIVERY TICKET**

**ST. FRANCIS SAND**

AND

**Redi-Mix**

P. O. Box 281 - ST. FRANCIS, KS: 67756

**REDI-MIX CONCRETE**

Phone 332-3123      **EXCAVATING**

No. **009065**

Date: 5-18-01

PROJECT: JS 460

SOLD TO: Stewart Brothers Drilling

ADDRESS: De Good 1-31

Time Loaded: \_\_\_\_\_

Time Delivered: \_\_\_\_\_

Time Released: \_\_\_\_\_

Time Returned: \_\_\_\_\_

Rec'd by: Joe Searcy

| Buck No.                                  | Driver           | Quantity        | Price        | Amount         |
|---|------------------|-----------------|--------------|----------------|
|   |                  | <u>90 cu yd</u> | <u>1750</u>  | <u>1575 00</u> |
| Mix                                       | Slump            | Total Miles     | Mileage      |                |
|   | <u>S - M - D</u> | <u>3.4</u>      | <u>2 1/2</u> | <u>7 88</u>    |
| Added Water Reduces Strength & durability |                  |                 |              |                |
| Gala Added                                | Authorized By    | <u>Louney</u>   |              | <u>50 00</u>   |
| Cash                                      | Charge           | Sales Tax       |              | <u>132 88</u>  |
|   |                  |                 |              | <u>50 59</u>   |
| Total                                     |                  |                 |              | <u>1783 45</u> |

RECEIVED  
STATE CORPORATION COMMISSION

AUG 01 2001

CONSERVATION DIVISION  
WICHITA, KANSAS

ORIGINAL

Ticket

DELIVERY TICKET *PBE*

No. 009068

ST. FRANCIS SAND

AND

Redi-Mix

P. O. Box 281 ST. FRANCIS, KS. 67756

REDI-MIX CONCRETE

Phone 332-3123

EXCAVATING

Date *5-19-01*

RECEIVED  
STATE CORPORATION COMMISSION

AUG 01 2001

CONSERVATION DIVISION  
WICHITA, KANSAS

PROJECT:

SOLD TO *Priority Drilling*

ADDRESS: *DeGood 1-31*

|                |
|----------------|
| Time Loaded    |
| Time Delivered |
| Time Released  |
| Time Returned  |

It is agreed that free unloading time shall be 15 minutes for each first cubic yard and 10 minutes for each yard thereafter. A charge of \$1.00 per each 10 minutes excess time will be made.

Delivery inside curb line made only at risk of purchaser.

No damage claims considered without proof of driver negligence.

Rec'd by *Mindy Peters*

| Truck No.                                 | Driver           | Quantity       | Price       | Amount        |
|---|------------------|----------------|-------------|---------------|
|   |                  | <i>100 yds</i> | <i>7.50</i> | <i>750.00</i> |
| Mix                                       | Slump            | Total Miles    | Mileage     |               |
| <i>100 yds</i>                            | <i>S - M - D</i> | <i>34</i>      |             | <i>-7.88</i>  |
| Added Water Reduces Strength & Durability |                  |                |             |               |
| Gals Added                                | Authorized By    |                |             | <i>50.00</i>  |
|   |                  |                |             |               |
| Cash                                      | Charge           | Sales Tax      |             | <i>55.74</i>  |
|   |                  | Total          |             | <i>863.12</i> |

**DAILY DRILLING REPORT**  
**NIOBARRA DEVELOPMENT WELL**

|   |                                   |                                   |                      |                               |                            |
|---|-----------------------------------|-----------------------------------|----------------------|-------------------------------|----------------------------|
| WELL NAME: <b>DeGOOD 1-31</b>                               | 24 HR FORECAST: <b>315</b>        | TMD: <b>315</b>                   | TVD: <b>315</b>      | REPT #: <b>1</b>              | DATE: <b>5/18/01</b>       |
| SUPERVISOR: <b>RANDY PETERSON</b>                           | RIG NAME & #: <b>STEWART 51</b>   | FIELD NAME: <b>CHENAY CREEK</b>   | AUTH ID: <b>1450</b> | DAILY TANG: \$                | CUM TANG: \$               |
| CURRENT STATUS: <b>WOC</b>                                  |                                   |                                   |                      | DAILY INT: \$                 | CUM INTANG: \$             |
| 24 HR FORECAST: <b>DRILL TO TD, LOG, RUN PRODUCTION CSG</b> |                                   |                                   |                      | DAILY TOTAL: \$ <b>11,300</b> | CUM COST: \$ <b>11,300</b> |
| LITHOLOGY: <b>SHALE</b>                                     | LAST CASING: <b>7 IN @ 309 FT</b> | NEXT CASING: <b>4 1/2 IN @ TD</b> |                      | AFE #:                        | AUTH COST: \$              |

| MUD DATA     |  | ADDITIVES        |           | QTY        |                   | BIT RUN DATA  |              |              |              | SUM DATA |  |
|--------------|--|------------------|-----------|------------|-------------------|---------------|--------------|--------------|--------------|----------|--|
| DENS (PPG)   |  | <b>GEL</b>       | <b>45</b> | BIT #      | <b>1</b>          | BIT #         | <b>1</b>     | STROKE       | <b>10</b>    |          |  |
| VIS (sec/ft) |  | <b>DRILPAC</b>   | <b>1</b>  | SIZE (in)  | <b>9 7/8</b>      | DEPTH IN      | <b>5</b>     | INNER        | <b>5 1/2</b> |          |  |
| WL-API       |  | <b>PERMOLUBE</b> | <b>1</b>  | MFR.       | <b>?</b>          | DEPTH OUT     | <b>320</b>   | SPM          | <b>72X2</b>  |          |  |
|              |  |                  |           | TYPE       | <b>?</b>          | WOB (lb)      | <b>2,10</b>  | OUTPUT (bbl) | <b>395</b>   |          |  |
|              |  |                  |           | SERIAL #   | <b>?</b>          | RPM (rev/min) | <b>80,90</b> | PRESS (psi)  | <b>200</b>   |          |  |
|              |  |                  |           | SETS 1/2/3 | <b>18, 18, 18</b> |               |              |              |              |          |  |

| FROM | TO   | HOURS | OPERATIONS SUMMARY  |
|------|------|-------|---|
| 1445 | 1800 | 3.25  | MOVE IN - SPUD NOTICE DANN DWANN 10:30 5/15/01 ASP  |
| 1800 | 1930 | 1.50  | RIG UP  |
| 1930 | 2045 | 1.25  | MIX MUD   |
| 2045 | 2130 | 0.75  | RIG REPAIR  |
|      |      |       | SPUD 2130 5/17/01   |
| 2130 | 0145 | 4.25  | DRILL 320' 9 5/8" SURFACE HOLE (BLUE SHALE 22')   |
| 0145 | 0215 | 0.50  | CIRCULATE   |
| 0215 | 0300 | 0.75  | SHORT TRIP  |
| 0300 | 0315 | 0.15  | CIRCULATE   |
| 0315 | 0400 | 0.75  | POOH  |
| 0400 | 0545 | 1.75  | RH 12 JTS 7" 17# J-55 STC USED CASING (304.05') OPENENDED W/ 1 CENTRALIZER. CASING SET @ 309.05' ✓                                  |
| 0545 | 0630 | 0.75  | CEMENT SURFACE CASING WITH 90 SK REGULAR CEMENT, 15.3 PPG, 7 BFW PREFLUSH. DISPLACED W/ 11.4 BBL MUD CEMENT IN PLACE 0630 5/18/01 ✓ |
| 0630 | 0700 | 0.30  | WOC   |

24 HR SUMMARY: **MUD STEWART 51, DRILL 9 5/8" SURFACE, RUN & CEMENT 7" SURFACE CASING** PAGE 1/3

IN LIEU OF SURFACE CEMENT TICKET  
 - OK'ed by DAVE WILLIAMS

**DAILY DRILLING REPORT**  
**NIOBARRA DEVELOPMENT WELL**

|                                    |   |                                     |                                 |                              |                        |
|------------------------------------|---|-------------------------------------|---------------------------------|------------------------------|------------------------|
| WELL NAME<br><b>Debood 1-31</b>    | 24 HR PROG<br><b>99Z</b>                    | TWD<br><b>1307</b>                  | TVD<br><b>1307</b>              | REPT #<br><b>2</b>           | DATE<br><b>5/19/01</b> |
| SUPERVISOR<br><b>ANDY PETERSON</b> | RIG NAME & #<br><b>STEUMT 51</b>            | FIELD NAME<br><b>CHEMURK</b>        | AUTH ID<br><b>1450</b>          | DAILY TANK<br>\$             | CUM TANK<br>\$         |
| CURRENT STATUS<br><b>LOGGING</b>   | 24 HR FORECAST<br><b>RUN PRODUCTION CSG</b> |                                     | DAILY INT<br>\$                 | CUM INTANG<br>\$             |                        |
| LITHOLOGY<br><b>NIOBARRA</b>       | LAST CASING<br><b>7 IN @ 309 FT</b>         | NEXT CASING<br><b>4 1/2 IN @ TD</b> | DAILY TOTAL<br>\$ <b>13,871</b> | CUM COST<br>\$ <b>25,171</b> |                        |
| MUD DATA                           |   | ADDITIVES                           | QTY                             | BIT RUN DATA                 | LOG DATA               |

| MUD DATA     |            | ADDITIVES | QTY | BIT RUN DATA |              | LOG DATA  |              |
|--------------|------------|-----------|-----|--------------|--------------|-----------|--------------|
| COENS (ppm)  | <b>8.7</b> |           |     | BIT #        | <b>2</b>     | STROKE    | <b>10</b>    |
| VIS (sec/ft) | <b>39</b>  |           |     | SIZE (in)    | <b>6 1/4</b> | DEPTH IN  | <b>5 1/2</b> |
| WV - API     | <b>4.0</b> |           |     | MFR          | <b>MOAB</b>  | DEPTH OUT | <b>72x2</b>  |
|              |            |           |     | TYPE         | <b>DRAG</b>  | WOB (lb)  | <b>395</b>   |
|              |            |           |     | SERIAL #     | <b>-</b>     | RPM       | <b>700</b>   |
|              |            |           |     | TEST 1/2/3   | <b>-</b>     | WOB (lb)  | <b>700</b>   |

| FROM | TO   | HOURS | OPERATIONS SUMMARY   |
|------|------|-------|--|
| 0700 | 1430 | 7.50  | WOC (8 HRS TOTAL)  |
| 1430 | 2315 | 8.75  | DRILL 6 1/4" HOLE TO 1307' DTD. KN SAMPLE TOP 1095, SAMPLES 50% SURFACE GRAVEL |
| 2315 | 0015 | 1.00  | CIRCULATE MW 8.8   |
| 0015 | 0045 | 0.50  | SHORT TRIP 1307 - 987', MINOR DRAG @ KN  |
| 0045 | 0115 | 0.50  | CIRCULATE MW 8.8   |
| 0115 | 0315 | 2.00  | LDDS   |
| 0315 | 0615 | 3.00  | SCHLUMBERGEN TRUCK BROKE DOWN ON LOG. TRANSMISSION OUT. W/O OTHER TRUCK.       |
| 0615 | 0700 | 0.75  | RAN PLATFORM EXPRESS AT INDUCTION LOG ONLY. LTD 1304'                          |
|      |      |       | BEECHER ISLAND TOP 1096', BTM 1138'  |
|      |      |       | (MWH) RESISTIVITY MIN 3.5, MAX 7.0, AVG 4.5                                    |
|      |      |       | (REPENT) RESISTIVITY MIN 3.2, MAX 11, AVG 4.5                                  |

24 HR SUMMARY

**DAILY DRILLING REPORT**  
**NIOBARRA DEVELOPMENT WELL**

|                                       |      |                                  |   |                        |                                |                                 |          |
|---------------------------------------|------|----------------------------------|---|------------------------|--------------------------------|---------------------------------|----------|
| WELL NAME<br><b>DeGood 1-31</b>       |      | 24 HR PROG<br><b>φ</b>           | TMO<br><b>1307</b>  | TVD<br><b>1307</b>     | REPT #<br><b>3</b>             | DATE<br><b>5/20/01</b>          |          |
| SUPERVISOR<br><b>RONDY PETERSON</b>   |      | RIG NAME & #<br><b>STEAMT 51</b> | FIELD NAME<br><b>CHEMAY CRK</b>   | AUTH ID<br><b>1450</b> | DAILY TANG<br>\$               | CUM TANG<br>\$                  |          |
| CURRENT STATUS<br><b>RIG RELEASED</b> |      |                                  |   |                        |                                | DAILY INT<br>\$                 |          |
| 24 HR FORECAST                        |      |                                  |   |                        |                                | DAILY TOTAL<br>\$ <b>13,108</b> |          |
| LITHOLOGY<br><b>NIOBARRA</b>          |      | LAST CASING<br><b>4 1/2 IN @</b> | NEXT CASING<br><b>1300 FT</b>   |                        | DAILY COST<br>\$ <b>38,279</b> | AUTH COST<br>\$                 |          |
| MUD DATA                              |      | ADDITIVES                        | QTY   | BIT RUN DATA           |                                |                                 | CUM DATA |
| DENS<br>(lb/gal)                      |      |                                  |   | BIT #                  |                                |                                 | STROKE   |
| VIS<br>(sec/ft)                       |      |                                  |   | SIZE<br>(in)           |                                | DEPTH IN                        | LINE     |
| WL - API                              |      |                                  |   | MFR                    |                                | DEPTH OUT                       | SPM      |
|                                       |      |                                  |   | TYPE                   |                                | WOB                             | OUTPUT   |
|                                       |      |                                  |   | SERIAL #               |                                | min/max                         | (KWH)    |
|                                       |      |                                  |   | ETS 1/2/3              |                                | RPM                             | PRESS    |
|                                       |      |                                  |   |                        |                                | min/max                         | (PSI)    |
| FROM                                  | TO   | HOURS                            | OPERATIONS SUMMARY  |                        |                                |                                 |          |
| 0700                                  | 0845 | 1.75                             | FINISH LOGGING  |                        |                                |                                 |          |
| 0845                                  | 1345 | 5.00                             | RUN 31 JTS 4 1/2" 10.5# J55 STC NEW CSG<br>(1300.99') WITH GENCO SS FLOM SHO<br>& LATCH DOWN BAFFLE. CSG SET 2' ABOVE<br>ICB @ 1300.49', PBD 1257.14'.<br>(DOWN 1 1/2 HRS TO REPAIR AIR COMPRESSOR & DRUGLINE)<br>CIRCULATE CSG @ TD                                      |                        |                                |                                 |          |
| 1345                                  | 1400 |                                  |   |                        |                                |                                 |          |
| 1400                                  | 1415 |                                  | CEMENT w/ 100 SX REGULAR CMT, PRE-<br>MIXED @ 15.3 PPG, 10 BFW PREFLUSH,<br>DISPLACE w/ 20 BFW. BUMPED PLUG w/<br>1000 PSI @ 1415 5/19/01. FLOMS HELD<br>SET SLIPS w/ 12,000#, CUT OFF CASING<br>(3 HRS DM WORK)<br>RIG RELEASED 1445 5/19/01<br>TO MOVE TO NIET BEL 1-12 |                        |                                |                                 |          |
|                                       |      |                                  | WILL NEED 4 1/2" BELL NIPPLE WELDED ON<br>1300.49'  |                        |                                |                                 |          |
| 24 HR SUMMARY                         |      |                                  | RUN PRODUCTION CASING, CEMENT, ROMO   |                        |                                |                                 | PAGE 3/3 |



**DAILY DRILLING REPORT  
NIOBRARA DEVELOPMENT WELL**

|                                     |   |                                     |                        |                                 |                              |
|-------------------------------------|---|-------------------------------------|------------------------|---------------------------------|------------------------------|
| WELL NAME<br><b>De GOOD 1-31</b>    | 24 HR PROG<br><b>375</b>                                      | TMD<br><b>375</b>                   | TVD<br><b>375</b>      | REPT #<br><b>1</b>              | DATE<br><b>5/18/01</b>       |
| SUPERVISOR<br><b>RANDY PETERSON</b> | RIG NAME & #<br><b>STEWART 51</b>                             | FIELD NAME<br><b>CHENAY CREEK</b>   | AUTH TO<br><b>1450</b> | DAILY TANG<br>\$                | CUM TANG<br>\$               |
| CURRENT STATUS<br><b>WOC</b>        | 24 HR FORECAST<br><b>DRILL TO TD, LOG, RUN PRODUCTION CSG</b> |                                     |                        | DAILY INT<br>\$                 | CUM INTANG<br>\$             |
| LITHOLOGY<br><b>SHALE</b>           | LAST CASING<br><b>7 IN @ 309 FT</b>                           | NEXT CASING<br><b>4 1/2 IN @ TD</b> |                        | DAILY TOTAL<br>\$ <b>11,300</b> | CUM COST<br>\$ <b>11,300</b> |
| MUD DATA                            |   | ADDITIVES                           |                        | MUD DATA                        |                              |

| MUD DATA     |  | ADDITIVES        |           | MUD RUN DATA |                   |               |              | MUD DATA     |              |
|--------------|--|------------------|-----------|--------------|-------------------|---------------|--------------|--------------|--------------|
| DENS (g/cc)  |  | <b>GEL</b>       | <b>45</b> | BIT #        | <b>1</b>          | BIT #         | <b>1</b>     | STROKE       | <b>10</b>    |
| VIS (sec/ft) |  | <b>DRILL PAC</b> | <b>1</b>  | SIZE (in)    | <b>9 7/8</b>      | DEPTH IN      | <b>5</b>     | LINEAR       | <b>5 1/2</b> |
| WL-API       |  | <b>PERMABE</b>   | <b>1</b>  | RFR          | <b>?</b>          | DEPTH OUT     | <b>320</b>   | SPM          | <b>72x2</b>  |
|              |  |                  |           | TYPE         | <b>?</b>          | WOB (lb)      | <b>2,10</b>  | OUTPUT (KWH) | <b>395</b>   |
|              |  |                  |           | SERIAL #     | <b>?</b>          | RPM (min/max) | <b>80,90</b> | PRESS (psi)  | <b>200</b>   |
|              |  |                  |           | TEST 1/2/3   | <b>18, 18, 18</b> |               |              |              |              |

| FROM | TO   | HOURS | OPERATIONS SUMMARY  |
|------|------|-------|---|
| 1445 | 1800 | 3.25  | MOVE IN - SPUD NOTICE DAVID WANN 10:30 5/15/01 ASD  |
| 1800 | 1930 | 1.50  | RIG UP  |
| 1930 | 2045 | 1.25  | MIX MUD   |
| 2045 | 2130 | 0.75  | RIG REPAIR  |
|      |      |       | SPUD 2130 5/17/01   |
| 2130 | 0145 | 4.25  | DRILL 320' 9 5/8" SURFACE HOLE (BLUE SHALE 22')   |
| 0145 | 0215 | 0.50  | CIRCULATE   |
| 0215 | 0300 | 0.75  | SHORT TRIP  |
| 0300 | 0315 | 0.25  | CIRCULATE   |
| 0315 | 0400 | 0.75  | POOH  |
| 0400 | 0545 | 1.75  | RH 12 JTS 7" 17# J-55 STC USED CASING (304.05') OPENENDED W/ 1 CENTRALIZER. CASING SET @ 309.05'                                  |
| 0545 | 0630 | 0.75  | CEMENT SURFACE CASING WITH 90 SX REGULAR CEMENT, 15.3 PPG, 7 BFW PREFLUSH. DISPLACED W/ 11.4 BBL MUD CEMENT IN PLACE 0630 5/18/01 |
| 0630 | 0700 | 0.50  | WOC   |

24 HR SUMMARY: **MIXED STEWART 51, DRILL 9 5/8" SURFACE, RUN & CEMENT 7" SURFACE CASING** PAGE: 1/3

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**DAILY DRILLING REPORT**  
**NIORARA DEVELOPMENT WELL**

|   |                                     |                                     |                                 |                    |                              |
|---|-------------------------------------|-------------------------------------|---------------------------------|--------------------|------------------------------|
| WELL NAME<br><b>Dehood 1-31</b>             | 24 HR FORECAST<br><b>99Z</b>        | TMD<br><b>1307</b>                  | TVD<br><b>1307</b>              | REPT #<br><b>2</b> | DATE<br><b>5/19/01</b>       |
| SUPERVISOR<br><b>ANDY PETERSON</b>          | RIG NAME & #<br><b>STEWART 51</b>   | FIELD NAME<br><b>CHEMURK</b>        | AUTH TO<br><b>1450</b>          | DAILY TANG<br>\$   | CUM TANG<br>\$               |
| CURRENT STATUS<br><b>LOGGING</b>            |                                     |                                     | DAILY INT<br>\$                 |                    | CUM INTANG<br>\$             |
| 24 HR FORECAST<br><b>RUN PRODUCTION CSG</b> |                                     |                                     | DAILY TOTAL<br>\$ <b>13,871</b> |                    | CUM COST<br>\$ <b>25,171</b> |
| LITHOLOGY<br><b>NIORAMA</b>                 | LAST CASING<br><b>7 IN @ 309 FT</b> | NEXT CASING<br><b>4 1/2 IN @ TD</b> |                                 | AFE #              | AUTH COST<br>\$              |

| MUD DATA     |            | ADDITIVES | QTY | BIT RUN DATA |              |             |                | SUMMARY DATA |              |
|--------------|------------|-----------|-----|--------------|--------------|-------------|----------------|--------------|--------------|
| DENS (PPG)   | <b>8.7</b> |           |     | BIT #        | <b>2</b>     | BIT #       | <b>2</b>       | STROKE       | <b>10</b>    |
| VIS (sec/ft) | <b>39</b>  |           |     | SIZE (in)    | <b>6 1/4</b> | DEPTH IN    | <b>320</b>     | LINER        | <b>5 1/2</b> |
| WL-API       | <b>4.0</b> |           |     | MFR          | <b>MOAB</b>  | DEPTH OUT   | <b>1307</b>    | SPM          | <b>72x2</b>  |
|              |            |           |     | TYPE         | <b>DRAG</b>  | WOB min/max | <b>2, 10</b>   | OUTPUT (KWH) | <b>395</b>   |
|              |            |           |     | SERIAL #     | <b>-</b>     | RPM         | <b>80, 100</b> | PRESS (PSI)  | <b>700</b>   |
|              |            |           |     | TEST 1/2/3   | <b>-</b>     |             |                |              |              |

| FROM | TO   | HOURS | OPERATIONS SUMMARY   |
|------|------|-------|--|
| 0700 | 1430 | 7.50  | WOC (8 HRS TOTAL)  |
| 1430 | 2315 | 8.75  | DRILL 6 1/4" HOLE TO 1307' DTD. KN SAMPLE TOP 1095, SAMPLES 50% SURFACE GRAVEL |
| 2315 | 0015 | 1.00  | CIRCULATE MW 8.8   |
| 0015 | 0045 | 0.50  | SHORT TRIP 1307 - 887', MINOR DRAG @ KN  |
| 0045 | 0115 | 0.50  | CIRCULATE MW 8.8   |
| 0115 | 0315 | 2.00  | LDDS   |
| 0315 | 0615 | 3.00  | SCHLUMBERGER TRUCK BROKE DOWN ON LOG. TRANSMISSION OUT. W/O OTHER TRUCK.       |
| 0615 | 0700 | 0.15  | RAN PLATFORM EXPRESS AIT INDUCTION LOG ONLY. LTD 1304'                         |
|      |      |       | BEECHER ISLAND TOP 1096', BTM 1138'  |
|      |      |       | (MATH) RESISTIVITY MIN 3.5, MAX 7.0, AVG 4.5                                   |
|      |      |       | (REPEAT) RESISTIVITY MIN 3.2, MAX 11, AVG 4.5                                  |

24 HR SUMMARY

**DAILY DRILLING REPORT**  
**NIORARA DEVELOPMENT WELL**

|                                     |                                |                               |                                 |                                |                     |
|-------------------------------------|--------------------------------|-------------------------------|---------------------------------|--------------------------------|---------------------|
| WELL NAME: <b>DeGood 1-31</b>       | 24 HR PROG <b>φ</b>            | TMD <b>1307</b>               | TVD <b>1307</b>                 | REPT # <b>3</b>                | DATE <b>5/20/01</b> |
| SUPERVISOR: <b>Randy Peterson</b>   | RIG NAME & #: <b>STEAMT 51</b> | FIELD NAME: <b>CHERRY CRK</b> | AUTH ID: <b>1450</b>            | DAILY TANG: \$                 | CUM TANG: \$        |
| CURRENT STATUS: <b>RIG RELEASED</b> |                                |                               | DAILY INT: \$                   | CUM INTANG: \$                 |                     |
| 24 HR FORECAST:                     |                                |                               | DAILY TOTAL: \$ <b>13,108</b>   | CUM COST: \$ <b>38,279</b>     |                     |
| LITHOLOGY: <b>NIORAMA</b>           |                                |                               | LAST CASING: <b>4 1/2" IN @</b> | NEXT CASING: <b>1300" IN @</b> | AUTH COST: \$       |

| MUD DATA   |              | ADDITIVES |    | QTY   | BIT RUN DATA |     |      |          | PUMP DATA  |       |          |           |           |     |     |        |       |     |              |             |  |
|------------|--------------|-----------|----|-------|--------------|-----|------|----------|------------|-------|----------|-----------|-----------|-----|-----|--------|-------|-----|--------------|-------------|--|
| DENS (ppg) | VIS (sec/cf) | WL- API   | pH | BIT # | SIZE (in)    | WFR | TYPE | SERIAL # | NETS 1/2/3 | BIT # | DEPTH IN | DEPTH OUT | WOB (max) | RPM | max | STROKE | LINER | SPM | OUTPUT (min) | PRESS (psi) |  |
|            |              |           |    |       |              |     |      |          |            |       |          |           |           |     |     |        |       |     |              |             |  |

| FROM | TO   | HOURS | OPERATIONS SUMMARY  |
|------|------|-------|---|
| 0700 | 0845 | 1.75  | FINISH LOGGING  |
| 0845 | 1345 | 5.00  | RUN 31 JTS 4 1/2" 10.5# J-55 STL NEW CSG (1300.99') WITH GEMOCO SS FLOAM SHOE & LATCH DOWN BAFFLE. CSG SET 2' ABOVE ICB @ 1300.49', PBD 1257.14'. (DOWN 1 1/2 HRS TO REPAIR AIR COMPRESSOR & DRUG LINE) |
| 1345 | 1400 |       | CIRCULATE CSG @ TD  |
| 1400 | 1415 |       | CEMENT w/ 100 SX REGULAR CMT, PRE-MIXED @ 15.3 PPG, 10 BFW PRT&FLUSH. DISPLACE w/ 20 BFW. BUMPED PLOG w/ 1000 PSI @ 1415 5/19/01. FLOAMS HELD SET SLIPS w/ 12,000#, CUT OFF CASING (3 HRS DMWORK)       |
|      |      |       | RIG RELEASED 1445 5/19/01 TO MOVE TO NIET BEL 1-12  |
|      |      |       | WILL NEED 4 1/2" BELL NIPPLE WELDED ON  |
|      |      |       | 1300.49'  |

24 HR SUMMARY: **RUN PRODUCTION CASING, CEMENT, RAMMO**