

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

API NO. 15- 151-20500 0001

County Pratt 27

NW -NW - NW -NW Sec. 25 Twp. 25S Rge. 11 X W

100 Feet from S(circle one) Line of Section

150 Feet from E(circle one) Line of Section

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

Lease Name Funke Well # 25-11

Field Name Cunningham

**STORAGE**  
~~Production~~ Formation Viola/Simpson

Elevation: Ground 1715 KB 1724

Total Depth 4415 PBDT 4402

Amount of Surface Pipe Set and Cemented at 1513 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 1513

feet depth to Surface w/ 650 sx cmt.

Drilling ~~Fluid~~ Management Plan REWORK 12-22-97  
(Data must be collected from the Reserve Pit)

13 1997 Chloride content 14,000 ppm Fluid volume 220 bbls

Dewatering method used N/A

Location of fluid disposal if hauled offsite:

Operator Name Geary Mud Disposal

Lease Name Gray License No. 284168

Quarter Sec. 15 Twp. 14N Rng. 7W

County Garfield, OK Docket No. 284168

Operator: License # 32119

Name: Northern Natural Gas

Address: P.O. Box 178

City/State/Zip Cunningham, KS 67035

Purchaser: N/A

Operator Contact Person: Dan Dobbins

Phone (316) 298-5111

Contractor: Name: Pratt Well Service

License: 5893

Wellsite Geologist: None

Designate Type of Completion  
\_\_\_\_\_ New Well \_\_\_\_\_ Re-Entry X Workover

\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOG \_\_\_\_\_ Temp. Abd.  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
\_\_\_\_\_ Dry X Other (Core, WSW, Expl., Cathodic, etc.)  
\_\_\_\_\_ Gas Storage

If Workover:

Operator: Northern Natural Gas DEC 1

Well Name: Funke 25-11

Comp. Date 7/25/78 Old Total Depth 4343

XXX RAN LINER INTO LOWER PART OF HOLE  
X Deepening XXX Re-perf. \_\_\_\_\_ Conv. to Inj/SWD  
\_\_\_\_\_ Plug Back \_\_\_\_\_ PBDT  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
XXX Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

8-20-97 9-11-97 9-24-97  
Date OF START OF WORKOVER Date Reached TD Completion Date OF WORKOVER

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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

Signature Dan Dobbins

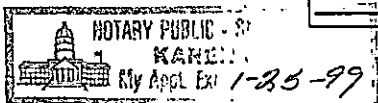
Title Sr. Reservoir Analyst Date 12-10-97

Subscribed and sworn to before me this 10<sup>th</sup> day of December 19 97.

Notary Public Karen Ellish

Date Commission Expires January 25, 1999

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



**SIDE TWO**

Operator Name Northern Natural Gas Lease Name Funke Well # 25-11

Sec. 25 Twp. 27S Rge. 11  East  West  
 County Pratt

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

|  |   |       |     |       |       |      |       |         |      |       |
|--|---|-------|-----|-------|-------|------|-------|---------|------|-------|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>(Attach Additional Sheets.)<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><br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>(Submit Copy.)<br><br>List All E.Logs Run:<br>Dual Spaced Neutron Log<br>Cement Bond Log<br>Dual Induction Laterolog<br>Compensated Density Dual Spaced Neutron | <input checked="" type="checkbox"/> Log      Formation (Top), Depth and Datums <input type="checkbox"/> Sample<br><br><table border="0" style="width:100%"> <tr> <td style="width:60%">Name</td> <td style="width:20%">Top</td> <td style="width:20%">Datum</td> </tr> <tr> <td>Viola</td> <td>4248</td> <td>-2524</td> </tr> <tr> <td>Simpson</td> <td>4345</td> <td>-2621</td> </tr> </table> | Name  | Top | Datum | Viola | 4248 | -2524 | Simpson | 4345 | -2621 |
| Name   | Top   | Datum |     |       |       |      |       |         |      |       |
| Viola  | 4248  | -2524 |     |       |       |      |       |         |      |       |
| Simpson  | 4345  | -2621 |     |       |       |      |       |         |      |       |

| 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 |
| Conductor   | 20"               | 13 3/8"                   | 48#             | 100           | Common         | 125          | -----                      |
| Surface   | 12 1/4 "          | 8 5/8"                    | 24#             | 1513          | Reg Poz        | 650          | 1/4 Flocele<br>18% Salt    |
| Production  | 7 7/8"            | 5 1/2"                    | 15.5#           | 4343          | Reg Poz        | 250          | 1/4 Flocele<br>18% Salt    |

| ADDITIONAL CEMENTING/SQUEEZE RECORD  |                  |                |             |  |
|--|------------------|----------------|-------------|--|
| Purpose: Set Liner   | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives             |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone | 4299-4914        | Standard       | 25          | 5# Gil, 18% Salt, 1/4# Flocele Calseal |

| 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 |  |
|----------------|---|--|--|
|                |   |  |  |
| 4              | 4369-4400   |  |  |
| 4              | 4250-4290   |  |  |
|                |   |  |  |

|  |           |         |   |               |   |
|--|-----------|---------|---|---------------|---|
| <b>TUBING RECORD</b>                           |           | Size    | Set At  | Packer At     | Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
|  |           | 2 1/16" | 4218 & 4321   | 4212          |   |
| Date of First, Resumed Production, SWD or Inj. |           |         | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |               |   |
| Storage Observation Well                       |           |         |   |               |   |
| Estimated Production Per 24 Hours              | Oil Bbls. | Gas Mcf | Water Bbls.   | Gas-Oil Ratio | Gravity   |

Disposition of Gas:      **METHOD OF COMPLETION**      Production Interval

Vented     Sold     Used on Lease     Open Hole     Perf.     Dually Comp.     Commingled  
 (If vented, submit ACO-18.)       Other (Specify) \_\_\_\_\_

ORIGINAL



Natural gas. Electricity.  
Endless possibilities.™

December 11, 1997

Kansas Corporation Commission  
130 South Market #2078  
Wichita, KS 67202-3802

RECEIVED  
STATE CORPORATION COMMISSION

DEC 15 1997

RE: Form AC0-1

CONSERVATION DIVISION  
WICHITA, KS 67202

Please find enclosed the completion reports for the Greider 35-21, Cannon 20-33, House 2-34, and Funke 25-11 in our storage field. The cementing tickets and electrical logs are also included. There will not be any geologist well report filed as we did not have a geologist on site for the well deepening.

If you need more information please call me at 316-257-5146 or 316-298-5111.

Thanks,

A handwritten signature in cursive script that reads 'Rebecca Mosshart'.

Rebecca Mosshart  
Sr. O & M Tech

CUSTOMER COPY



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

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

| INVOICE NO. | DATE       |
|-------------|------------|
| 307924      | 09/16/1997 |

| WELL LEASE NO./PROJECT | WELL/PROJECT LOCATION | STATE       | OWNER                |               |          |
|------------------------|-----------------------|-------------|----------------------|---------------|----------|
| PUNKE 25-11            | PRATT                 | KS          | GAME                 |               |          |
| SERVICE LOCATION       | CONTRACTOR            | JOB PURPOSE | TICKET DATE          |               |          |
| PRATT                  | PRATT WELL SERVICE    | SHOWN BELOW | 09/16/1997           |               |          |
| ACCT. NO.              | CUSTOMER AGENT        | VENDOR NO.  | CUSTOMER P.O. NUMBER | SHIPPED VIA   | FILE NO. |
| 634280                 | M A HERRICK           |             | L 4420 7 008         | COMPANY TRUCK | 30330    |

ORIGINAL

NORTHERN NATURAL GAS CO.  
BOX 178  
CUNNINGHAM, KS 67035

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

| REFERENCE NO.                             | DESCRIPTION                    | QUANTITY | UM  | UNIT PRICE | AMOUNT     |
|---|--------------------------------|----------|-----|------------|------------|
| PRICING AREA - MID CONTINENT              |                                |          |     |            |            |
| JOB PURPOSE - CEMENT PRODUCTION LINER     |                                |          |     |            |            |
| 000-117                                   | MILEAGE CEMENTING ROUND TRIP   | 36       | MI  | 3.20       | 115.20     |
|   |                                | 1        | UNT |            |            |
| 000-119                                   | MILEAGE FOR CREW               | 36       | MI  | 1.95       | 70.20      |
|   |                                | 1        | UNT |            |            |
| 009-017                                   | CEMENTING LINER SHORT CASING   | 4422     | FT  | 2,019.00   | 2,019.00   |
| 009-019                                   |                                | 1        | UNT |            |            |
| 504-308                                   | CEMENT - STANDARD              | 50       | SK  | 10.83      | 541.50     |
| 508-291                                   | GILSONITE BULK                 | 125      | LB  | .50        | 62.50      |
| 509-968                                   | SALT                           | 60       | LB  | .17        | 51.00      |
| 507-775                                   | HALAD-322                      | 14       | LB  | 7.70       | 107.80     |
| 507-970                                   | D-AIR 1, POWDER                | 6        | LB  | 3.65       | 21.90      |
| 509-406                                   | ANHYDROUS CALCIUM CHLORIDE     | 1        | SK  | 46.90      | 46.90      |
| 507-210                                   | FLOCELE                        | 6        | LB  | 1.90       | 11.40      |
| 508-127                                   | CAL SEAL 60                    | 1        | SK  | 28.00      | 28.00      |
| 500-207                                   | BULK SERVICE CHARGE            | 61       | CFT | 1.55       | 94.55      |
| 500-306                                   | MILEAGE CNTG MAT DEL OR RETURN | 47.43    | TMT | 1.18       | 110.00MM   |
| JOB PURPOSE SUBTOTAL                      |                                |          |     |            | 3,279.95   |
| INVOICE SUBTOTAL                          |                                |          |     |            | 3,279.95   |
| DISCOUNT - (BID)                          |                                |          |     |            | 655.99     |
| INVOICE BID AMOUNT                        |                                |          |     |            | 2,623.96   |
| KANSAS STATE SALES TAX                    |                                |          |     |            | EXEMPT     |
| PRATT COUNTY SALES TAX                    |                                |          |     |            | EXEMPT     |
| Simpson Project 543828 <i>John Fisher</i> |                                |          |     |            |            |
| INVOICE TOTAL PLEASE PAY THIS AMOUNT      |                                |          |     |            | \$2,623.96 |

RECEIVED  
STATE COMMISSION  
DECEMBER 15 1997  
CONSERVATION DIVISION  
Wichita, Kansas

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer



1806-Q

CHARGE TO: **NORTHERN NATURAL GAS CO**  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

CUSTOMER COPY  
 No. **307924** - 1  
 TICKET  
 PAGE 1 OF 2

20  
 SERVICE LOCATIONS: **TRAILERS 25555**  
 WELL/PROJECT NO.: **25-11** LEASE: **FUNKE** COUNTY/PARISH: **PRATT** STATE: **KS** CITY/OFFSHORE LOCATION: DATE: **9-16-97** OWNER: **SIMPSON**  
 2. TICKET TYPE:  SERVICE JOB?  YES  NO CONTRACTOR: **PRATT WELLS SERV** RIG NAME/NO.: SHIPPED VIA: **CT.** DELIVERED TO: **WELL SITE** ORDER NO.:  
 3. WELL TYPE: **05** WELL CATEGORY: **02** JOB PURPOSE: **055** WELL PERMIT NO.: WELL LOCATION: **LAND 25-275-11**  
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS: **Simpson Project 543828 Jean Funke**

| JOB PURPOSE     | PRICE REFERENCE | SECONDARY REFERENCE/PART NUMBER | ACCOUNTING | DESCRIPTION                 | QTY | U/M      | QTY     | U/M | UNIT PRICE | AMOUNT |
|-----------------|-----------------|---------------------------------|------------|-----------------------------|-----|----------|---------|-----|------------|--------|
|                 | <b>000-119</b>  |                                 | 1          | MILEAGE 1 UNIT R.T.         |     | 36 miles |         |     | 3.20       | 1.15   |
|                 | <b>000-119</b>  |                                 | 1          | CREW MILEAGE R.T.           |     | 36 miles |         |     | 1.95       | 70     |
|                 | <b>009-407</b>  | <b>009-019</b>                  | 1          | PUMP CHARGE                 |     | 6 HRS    | 4422 FT |     | 20.19      | 20.19  |
| <b>ORIGINAL</b> |                 |                                 |            |                             |     |          |         |     |            |        |
|                 |                 |                                 | 1          | <b>BULK TICKET # 338308</b> |     |          |         |     |            | 10.75  |

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

DATE SIGNED: **9/16/97** TIME SIGNED:  A.M.  P.M.

TYPE LOCK: SUB SURFACE SAFETY VALVE WAS:  PULLED & RETURN  PULLED  RUN

BEAN SIZE: TYPE OF EQUALIZING SUB. CASING PRESSURE

DEPTH: TUBING SIZE TUBING PRESSURE WELL DEPTH

SPACERS: TREE CONNECTION TYPE VALVE

PAGE TOTAL: **3279**

FROM CONTINUATION PAGE(S):

SUB-TOTAL: APPLICABLE TAXES WILL BE ADDED ON INVOICE

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

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **X** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **HEYER** HALLIBURTON OPERATOR/ENGINEER EMP # **08500** HALLIBURTON APPROVAL: **[Signature]**



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 307924

FORM 1911 R-10

CUSTOMER Northern Natural Gas Co WELL Funke 25-11 DATE 9-16-97 PAGE 2 OF 2

| PRICE REFERENCE | SECONDARY REFERENCE/<br>PART NUMBER | ACCOUNTING |      |    | DESCRIPTION                      | QTY.         |              | QTY.        |                | UNIT PRICE | AMOUNT |
|-----------------|-------------------------------------|------------|------|----|----------------------------------|--------------|--------------|-------------|----------------|------------|--------|
|                 |                                     | LOC        | ACCT | DF |                                  | U/M          | U/M          |             |                |            |        |
| 504-308         | 516.00261                           | 1          |      |    | Standard Cement                  | 50           | SK           |             |                | 10.83      | 541.5  |
| 508-291         | 516.00337                           | 1          |      |    | Gilsonite Bld 5 <sup>#</sup> /5K | 125          | SK           |             |                | 50         | 62.5   |
| 509-968         | 516.00159                           | 1          |      |    | Salt Bld 18%                     | 300          | lbs          |             |                | 17         | 51.0   |
| 507-775         | 516.00144                           | 1          |      |    | Haled-322 Bld .6%                | 14           | lbs          |             |                | 7.70       | 107.8  |
| 507-770         | 70.15764                            | 1          |      |    | D-Air 1 Bld .25%                 | 6            | lbs          |             |                | 3.65       | 21.9   |
| 509-406         | 890.50812                           | 1          |      |    | Calcium Chloride Bld 1%          | 1            | SK           |             |                | 46.90      | 46.9   |
| 507-210         | 890.50071                           | 1          |      |    | Flocel Bld .25 <sup>#</sup> /5K  | 6            | lbs          |             |                | 1.90       | 11.4   |
| 509-127         | 890.50131                           | 1          |      |    | Calseal Bld 5%                   | 1            | SK           |             |                | 28.00      | 28.0   |
| ORIGINAL        |                                     |            |      |    | Loaded on TRK #52530 - Front     |              |              |             |                |            |        |
| 500-207         |                                     | 1          |      |    | SERVICE CHARGE                   | CUBIC FEET   |              | 61          |                | 1.55       | 94.5   |
| 500-306         |                                     | 1          |      |    | MILEAGE CHARGE                   | TOTAL WEIGHT | LOADED MILES | TOTAL MILES | Minimum Charge |            | 110.0  |
|                 |                                     |            |      |    |                                  | 5270         | 18           |             |                |            |        |

No. B 338308

CONTINUATION TOTAL 1075.55



**JOB LOG** 4239-5

|                |                |                      |                |
|----------------|----------------|----------------------|----------------|
| TICKET #       | 307920         | TICKET DATE          | 7-10-97        |
| REGION         | North America  | BDA / STATE          | KS.            |
| MBU ID / EMP # | 02500          | PSL DEPARTMENT       | Production     |
| LOCATION       | Flamingo       | CUSTOMER REP / PHONE | 1-800-368-6200 |
| TICKET AMOUNT  |                | API / UWI #          |                |
| WELL LOCATION  | Flamingo       | DEPARTMENT           | Production     |
| LEASE / WELL # | Flamingo 25-11 | SEC / TWP / RNG      |                |
|                |                | JOB PURPOSE CODE     | 155            |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS |
|--|--|--|--|
| 02500                                  | 02500                                  | 02500                                  |  |

| CHART NO. | TIME                 | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS |   | PRESS. (psi) |     | JOB DESCRIPTION / REMARKS   |
|-----------|----------------------|------------|-------------------|-------|---|--------------|-----|---|
|           |                      |            |                   | T     | C | Top          | Csg |   |
| 1         | 1000<br>1300<br>1400 |            |                   |       |   |              |     | <p>ORIGINAL</p> <p>Called out<br/>on location safety meeting<br/>T.I.H. with Lerner &amp; Hanger<br/>Lerner on bottom break circ.<br/>with mud pump.<br/>Prepare lower in set position<br/>hook up down to 2 3/8 D.P.<br/>Pump 18 bbl 12% HCl H<sub>2</sub>O<br/>Pump 3 bbl Fresh H<sub>2</sub>O spacer<br/>Air &amp; Pump 25 sks. cont. at 14.7 PPG.<br/>Shut down<br/>wash out line &amp; release plug<br/>Start DISP.<br/>Caught pressure<br/>Tubing plug shear pins for<br/>liner plug. continue DISP.<br/>Plug down<br/>Release PSI - Hold<br/>Have downer<br/>TOH with tubing<br/>JOB COMPLETE<br/>THANKS KEVIN</p> |
|           | 1648                 | 2          | 18                | ✓     |   | 800          |     |   |
|           |                      | 2          | 3                 | ✓     |   | 700          |     |   |
|           | 1705                 | 2          | 2.1               | ✓     |   | 600          |     |   |
|           | 1712                 | 2          | 0                 | ✓     |   | 0            |     |   |
|           |                      | 2          | 2                 |       |   | 400          |     |   |
|           |                      | 2          | 19.40             |       |   | 800          |     |   |
|           | 1703                 | 2          | 20.18             | ✓     |   | 1600         |     |   |
|           | 1800                 |            |                   |       |   |              |     |   |