

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

API NO. 15- 15-151-22104-0000

Operator: License # 4501
Name: Northern Natural Gas Company
Address 1111 S. 103rd St.
City/State/Zip Omaha, NE 68124-1000

County Pratt
NE - NW - SE - 1/4 Sec. 25 Twp. 27S Rge. 11 X W
2310 Feet from (S)W (circle one) Line of Section
1650 Feet from (E)W (circle one) Line of Section

Purchaser: _____
Operator Contact Person: John W. Rose
Phone (402) 398-7612

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

Contractor: Name: Duke Drilling
License: _____
Wellsite Geologist: Glenn H. Timson

Lease Name Maxedon Well # 1
Field Name Cunningham
Producing Formation Simpson

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

Elevation: Ground 1668 KB 1677
Total Depth 4155 PBDT 4114
Amount of Surface Pipe Set and Cemented at 314 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set N/A Feet

Potential Gas Storage Wells
If Workover/Re-Entry: old well info as follows:

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cnt.

Operator: N/A SEP 26 1997

Drilling Fluid Management Plan 4-15-94 CB
(Data must be collected from the Reserve Pit)
Fresh Water Mud
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____

Well Name: _____
Comp. Date _____

FROM CONFIDENTIAL
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBDT
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____
9/11/93 9/17/93 9/28/93
Spud Date _____ Date Reached TD _____ Completion Date _____

Location of fluid disposal if hauled off _____
Operator Name KCC
Lease Name _____ License No. _____
JAN 7 Sec. _____ Twp. _____ S Rge. _____ E/W _____
County CONFIDENTIAL Docket No. _____

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KANSAS CORPORATION COMMISSION
JAN 10 1994
CONSERVATION DIVISION
WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 [Signature]
Title Staff Reservoir Engineer Date 1/7/94
Subscribed and sworn to before me this 7th day of January
19 94.
Notary Public Ann E. Bojanski
Date Commission Expires 6/16/94

GENERAL NOTARY-State of Nebraska
ANN E. BOJANSKI
My Comm. Exp. June 16, 1994

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Geologist Report Received
Distribution
 KCC SUD/Rep NGA
 KGS Plug Other
(Specify)

1117101-1000

SIDE TWO

Operator Name Northern-Natural Gas Company Lease Name Maxedon Well # 1
 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 Yes No (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No (Submit Copy.)
 List All E. Logs Run:
 Dual Induction/Sonic
 CNL FDC (Porosity/Density)
 Cement Bond

Log Formation (Top), Depth and Datums Sample

| Name | Top | Datum (KB) |
|---------------|------|------------|
| Heebner | 3204 | -1527 |
| Lansing | 3402 | -1725 |
| Kinderhook | 3858 | -2181 |
| Viola | 3976 | -2299 |
| Simpson Shale | 4068 | -2391 |
| Simpson Sand | 4088 | -2411 |

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|-------------------|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Surface | 12 1/2 | 8-5/8 | 24 | 314 | Class A | to Surf | Class A Neat |
| Product | 7-7/8 | 4 1/2 | 10.5 | 4154 | 50/50 Poz | 125 | Poz Mix |

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 Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) - Depth |
|----------------|--|--|
| 2 | 4088-4102 | Natural |

TUBING RECORD Size 2-3/8 Set At 3932 Packer At 3932 Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other (Explain)

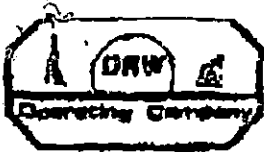
| Estimated Production Per 24 Hours | Oil Bbls. | Gas (McF) CAOF | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|----------------|-------------|---------------|---------|
| | | 12,677 | | | |

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

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Coamingled Other (Specify) _____

Production Interval 4088-4102



ORIGINAL

15-151-22104

DRILL STEM TEST REPORT

9 17 1993 MONTH DAY YEAR

LEASE NAME & WELL NO. Maxedon 25-1

DST NO. 1 FORMATION SIMPSON SAND INTERVAL FROM 4023' TO 4132'

TESTED BY T. A. B. To Testers; TEST WAS STRADDLE CONVENTIONAL MECHANICALLY GOOD A MIS-RUN

OPENED TOOL AT 6:19 AM 9-17 1993 OBTAINED NO STRONG MEDIUM WEAK

BLOW WHICH (INCREASED) (DECREASED) (REMAINED UNCHANGED) DURING FLOW PERIODS

(GAS) (OIL) (WATER) TO SURFACE IN 1 HRS. 1 MIN.; FLOW RATE MEASURED AT SURFACE 4506 MCF/D OF GAS

DRILL PIPE RECOVERY: (TOP TO BOTTOM, INCLUDE RESISTIVITY, CL & GRAVITY)
65 FT BBL OF Muddy water - trace condensate
7 FT BBL OF on top of sample

CHART DATA: OPERATION table with columns for TIME INTERVAL and PRESSURES. Includes rows for FIRST FLOW, FIRST SHUT-IN, SECOND FLOW, and SECOND SHUT-IN.

SAMPLE CHAMBER RECOVERY:
CC (OIL) (CONDENSATE)
CC WATER, Rv 24 AT 66 °F. CL = 30000
CC MUD, Rm AT °F Rml
CC OTHER

SAMPLE CHAMBER PRESSURE 950 psi; GAS REC. 10.4 CU.FT
PIT MUD: Rm 1.9 AT 70 °F; Rml AT °F; CL = 47000 PF

REMARKS:

RELEASED

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FROM CONFIDENTIAL

MAR 18 1994

CONSERVATION DIVISION WICHITA, KS

SPECIAL DATA ANALYSIS HAS BEEN REQUESTED [] REPORTED BY

GEOLOGICAL REPORT

ORIGINAL

Mendell Petroleum Corporation
#25-1 Maxedon
2310' FSL & 1650' FEL 25-27S-11W
Pratt County, Kansas

15-151-22104

RELEASED

KCC

SEP 26 1997

JAN 7

Samples examined from 3800' to TD (4155')

CONFIDENTIAL

FROM CONFIDENTIAL

- 3800 to 3858' LS, dense, white to buff, finely crystalline, no visible porosity with some shale, grey to black
- 3858 to 3975' Kinderhook (Mississippian) grey to grey-green, silty dolomite, very finely crystalline, no porosity
- 3975 to 3986' Viola Lime - hard white cherty crystalline limestone, hard with no porosity
- 3986 to 4025' Viola Dolomite - light grey to white coarsely crystalline, very porous, vugular dolomite
- 4025 to 4068' Viola Lime - white cherty lime, hard, slightly fossiliferous, no porosity
- 4068 to 4086' Simpson Shale - green to dull olive green, very fine grained waxy shale
- 4086 to 4104' Simpson Sandstone - fine grained quartz sandstone, well rounded and salted, frosted grains growing slightly coarser downward, excellent porosity
- 4104 to 4143' Simpson Dolomite - coarsely crystalline, vugular, very porous, light grey dolomite
- 4143 to 4155' (TD) Simpson Shale - grey-green waxy, slightly silty shale

RECEIVED

KANSAS CORPORATION COMMISSION

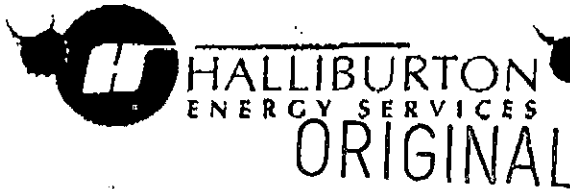
LPS/ag/0002

MAR 18 1994

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

P.O. BOX 251046
DALLAS TX 75395-1046



INVOICE

INVOICE NO. 509474
DATE 09/18/1993

| | | | | | |
|---------------------------------------|-------------------------------|---|----------------------|------------------------------|-----------------------------|
| WELL LEASE NO./PROJECT AXEDON 25-1 | | WELL/PROJECT LOCATION PRATT | | STATE KS | OWNER MENDALL PET. CORP. |
| SERVICE LOCATION RATT | CONTRACTOR DUKE | JOB PURPOSE CEMENT PRODUCTION CASING | | TICKET/DATE 09/18/1993 | |
| ACCT. NO. 10648 | CUSTOMER AGENT M.D. DERSEH | VENDOR NO. | CUSTOMER P.O. NUMBER | SHIPPED VIA COMPANY TRUCK | FILE NO. 56957 |

RECEIVED
KANSAS CORPORATION COMMISSION

DIRECT CORRESPONDENCE TO: **KCC**
OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

DRW OPERATING CO.
P.O. BOX 13886
DENVER, CO 80201

MAR 18 1994

JAN 7

CONFIDENTIAL

CONSERVATION DIVISION

| REFERENCE NO. | DESCRIPTION | QUANTITY | UM | UNIT PRICE | AMOUNT |
|--|------------------------------------|----------|-----|------------|-----------|
| 00-117 | ICING AREA - MID CONTINENT MILEAGE | 20 | MI | 2.75 | 55.00 |
| 01-016 | CEMENTING CASING | 4154 | FT | 1,545.00 | 1,545.00 |
| 30-016 | CEMENTING PLUG SW ALUM. TOP | 5 | IN | 45.00 | 45.00 |
| 2A | GUIDE SHOE - 4 1/2" 8RD THD. | 1 | EA | 95.00 | 95.00 |
| 825.201 | 4A INSERT FLOAT VALVE - 4 1/2" 8RD | 1 | EA | 73.00 | 73.00 |
| 315.19101 | 7 FILL-UP UNIT 4 1/2"-5" | 1 | EA | 45.00 | 45.00 |
| 315.19111 | 7 CENTRALIZER 4-1/2 X 7 7/8 | 6 | EA | 43.00 | 258.00 |
| 307.93004 | 18-317 SUPER FLUSH | 12 | SK | 100.00 | 1,200.00 |
| 14-130 | CEMENT - 50/50 POZMIX STANDARD | 125 | SK | 5.35 | 668.75 |
| 18-291 | GILSONITE BULK | 1250 | LB | .40 | 500.00 |
| 18-388 | SALT | 650 | LB | .13 | 84.50 |
| 18-775 | MALAD-322 | 51 | LB | 6.90 | 351.90 |
| 14-308 | CEMENT - STANDARD | 25 | SK | 6.96 | 174.00 |
| 10-107 | BULK SERVICE CHARGE | 184 | CFT | 1.35 | 248.40 |
| 10-306 | MILEAGE CMTG MAT DEL OR RETURN | 146.42 | TMI | .95 | 139.10 |
| INVOICE SUBTOTAL | | | | | 5,482.65 |
| DISCOUNT-(BID) | | | | | 986.86- |
| INVOICE BID AMOUNT | | | | | 4,495.79 |
| *-KANSAS STATE SALES TAX | | | | | 104.40 |
| *-PRATT COUNTY SALES TAX | | | | | 21.32 |
| INVOICE TOTAL - PLEASE PAY THIS AMOUNT | | | | | 54,621.51 |

FROM CONFIDENTIAL

750-60

09020006

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

ORIGINAL

ENRON
Northern Natural Gas Company

P. O. Box 1188 Houston, Texas 77251-1188 (713) 853-6161

March 17, 1994

VIA FEDERAL EXPRESS

RELEASED

Mr. Chris Bean
Production Department
Kansas Corporation Commission
Conservation Division
200 Colorado Derby Bldg.
202 W. 1st St.
Wichita, Kansas 67202-1286 (316) 263-3238

SEP 26 1997

KCC

FROM CONFIDENTIAL

JAN 7

CONFIDENTIAL

Re: Maxedon 25-1, API 15-151-22,104, 2310 FSL 1650 FEL, Pratt County

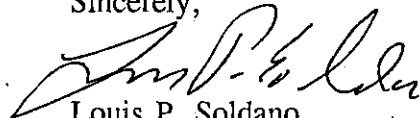
Dear Mr. Bean:

On behalf of Northern Natural Gas Company please find enclosed the following:

- A copy of the electric logs;
- A copy of the only Drill Stem test conducted on September 17, 1993;
- A copy of the cement tickets confirming cementing; and
- A copy of the geological well report.

In addition, Northern Natural Gas Company reiterates its previous request for confidentiality since the referenced ACO-1 was filed within 120 days of the spud date of the well. If you should have any further questions please feel free to contact Mr. John Rose at 402/398-7612.

Sincerely,



Louis P. Soldano
Senior Counsel

cc: w/out attachments
John Rose
Jeff Kennedy, Esq.

letter\kcc.1

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 18 1994

CONSERVATION DIVISION
WICHITA, KS