

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

Operator: License # 7117

Name: Colorado Interstate Gas Company

Address P. O. Box 1087

City/State/Zip Colorado Springs, CO 80944

Purchaser:

Operator Contact Person: Greg Jarrell

Phone (719) 520-4647

Contractor: Name: Cheyenne Drilling Inc.

License: 05 382

Wellsite Geologist: Greg Jarrell

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
Gas Storage

If Workover:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBSD  
 Commingled  Docket No.  
 Dual Completion  Docket No.  
 Other (SWD or Inj?)  Docket No.

8/13/92 8/19/92 9/19/92  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21128 00-00

County Morton

- - NW - SW Sec. 14 Twp. 33S Rge. 42 X W

1550 Feet from (S)N (circle one) Line of Section

1250 Feet from E(N) (circle one) Line of Section

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

Lease Name Boehm Well # 48

Field Name Boehm

Producing Formation "G" Sand

Elevation: Ground 3491' KB 3502'

Total Depth 5037' GL PBSD 4969 GL

Amount of Surface Pipe Set and Cemented at 1392 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan *alt 1 10/11-18-92*  
(Data must be collected from the Reserve Pit)

Chloride content 1520 ppm Fluid volume 544 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

**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 *Greg Jarrell*

Title *Associate Geologist* Date *10/12/92*

Subscribed and sworn to before me this *12<sup>th</sup>* day of *October*, 19 *92*.

Notary Public: *Sara R Schaper*

Date Commission Expires *June 12, 1993*

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Geologist Report Received  
**RECEIVED**  
CORPORATION COMMISSION  
Distribution:  KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
**OCT 14 1992**  
CONSERVATION DIVISION

*10-14-92*  
*PT*

SIDE TWO

Operator Name Colorado Interstate Gas Company Lease Name Boehm Well # 48

Sec. 14 Twp. 33S Rge. 42  East  West County Morton

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: DIL, SDL-DSN

No samples taken.

Log  Sample

| Name             | Top  | Datum   |
|------------------|------|---------|
| Morrow Formation | 4398 | 3491 GL |
| "G" Sand         | 4793 | 3491 GL |
| Keyes Sand       | 4861 | 3491 GL |

| 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   | 12-1/4"           | 8-5/8"                    | 24              | 1392          | Light/Class H  | 650/150      | 2% & 3% CaCl               |
| Production  | 7-7/8"            | 5-1/2"                    | 15.5            | 5015          | Light/Pozmix   | 725/200      | 3/4% CFR-3                 |
|   |                   |                           |                 |               |                |              |                            |

| 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 |
|----------------|--|--|-------|
| 4              | 4793 - 4807  | Acidized w/ 1400 gal 15% HCl   | 4807  |
|                |  | Fraced w/ 440 Bbl gel and 30,750#  |       |
|                |  | 12/20 sand   |       |
|                |  |  |       |

| TUBING RECORD                                  | Size      | Set At  | Packer At   | Liner Run  |
|--|-----------|---|-------------|--|
|  | 2-3/8"    | 4811  |             | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 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) |             |  |
| Estimated Production Per 24 Hours              | Oil Bbls. | Gas Mcf   | Water Bbls. | Gas-Oil Ratio Gravity                                    |

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

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

Production Interval: \_\_\_\_\_

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STATE CORPORATION COMMISSION  
OCT 14 1992  
CONSERVATION DIVISION  
Wichita, Kansas

ORIGINAL

DRILLERS LOG

COLORADO INTERSTATE GAS COMPANY  
BOEHM #48  
SECTION 14-T33S-R42W  
MORTON COUNTY, KANSAS

COMMENCED: 08-13-92  
COMPLETED: 08-20-92

SURFACE CASING: 1392' OF 8 5/8"  
CMTD W/650 SX HCL, 2% C.C.,  
1/4#/SX FLO-CELE; TAILED IN W/  
150 SX CLASS H, 3% C.C.

| FORMATION             | DEPTH         |
|-----------------------|---------------|
| CONDUCTOR CASING      | 0- 44         |
| SURFACE HOLE          | 44-1399       |
| LIME & SHALE          | 1399-1650     |
| RED BED, LIME & SHALE | 1650-2290     |
| SHALE & LIME          | 2290-2610     |
| LIME & SHALE          | 2610-4160     |
| SHALE & LIME          | 4160-4627     |
| LIME, SHALE, & MORROW | 4627-4750     |
| LIME & SHALE          | 4750-5037 RTD |

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

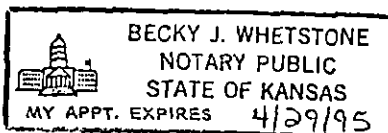
CHEYENNE DRILLING, INC.



A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 24TH DAY OF AUGUST, 1992.



Becky J. Whetstone

BECKY J. WHETSTONE, NOTARY PUBLIC



REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

**HALLIBURTON SERVICES**

A Halliburton Company

|             |            |
|-------------|------------|
| INVOICE NO. | DATE       |
| 250673      | 08/14/1992 |

|                           |                     |                       |                      |               |          |
|---------------------------|---------------------|-----------------------|----------------------|---------------|----------|
| WELL LEASE NO./PLANT NAME | WELL/PLANT LOCATION | STATE                 | WELL/PLANT OWNER     |               |          |
| 60EEM 48                  | MORTON              | KS                    | SAME                 |               |          |
| SERVICE LOCATION          | CONTRACTOR          | JOB PURPOSE           | TICKET DATE          |               |          |
| LIBERAL                   | CHEYENNE #3         | CEMENT SURFACE CASING | 08/14/1992           |               |          |
| ACCT. NO.                 | CUSTOMER AGENT      | VENDOR NO.            | CUSTOMER P.O. NUMBER | SHIPPED VIA   | FILE NO. |
| 177180                    | R. R. RODRIGUEZ     |                       |                      | COMPANY TRUCK | 38402    |

COLORADO INTERSTATE GAS CO  
MORTON STATION  
PT 1 BOX 84  
RICHFIELD, KS 67953

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

| PRICE REF. NO.                               | DESCRIPTION                             | QUANTITY | UM  | UNIT PRICE | AMOUNT |
|--|---|----------|-----|------------|--------|
| 000-117                                      | PRICING AREA - EASTERN AREA1<br>MILEAGE | 25       | MI  |            |        |
| 001-016                                      | CEMENTING CASING                        | 1372     | FT  |            |        |
| 030-018                                      | CEMENTING PLUG 5W, PLASTIC TOP          | 8 5/8    | IN  |            |        |
| 504-043                                      | PREMIUM CEMENT                          | 150      | SK  |            |        |
| 504-118                                      | HALLIBURTON LIGHT CEMENT - PREM         | 650      | SK  |            |        |
| 507-210                                      | FLOCELE                                 | 143      | LB  |            |        |
| 509-406                                      | ANHYDROUS CALCIUM CHLORIDE              | 14       | SK  |            |        |
| 500-207                                      | BULK SERVICE CHARGE                     | 843      | CFT |            |        |
| 500-306                                      | MILEAGE CNTD MAT DEL OR RETURN          | 943.1125 | TMI |            |        |
| INVOICE SUBTOTAL                             |   |          |     |            |        |
| DISCOUNT-(BID)                               |   |          |     |            |        |
| INVOICE BID AMOUNT                           |   |          |     |            |        |
| *-KANSAS STATE SALES TAX                     |   |          |     |            |        |
| *-SEWARD COUNTY SALES TAX                    |   |          |     |            |        |
| INVOICE TOTAL - PLEASE PAY THIS AMOUNT ===== |   |          |     |            |        |

5167-2000  
KLU

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OCT 14 1992

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UNLESS CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

CONSERVATION DIVISION  
Wichita, Kansas  
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REMIT TO:

P.O. BOX 951046  
DALLAS, TX 75395-1046

# HALLIBURTON SERVICES

A Halliburton Company

INVOICE

ORIGINAL

|             |            |
|-------------|------------|
| INVOICE NO. | DATE       |
| 250711      | 08/20/1992 |

|                           |                     |                          |                      |
|---------------------------|---------------------|--------------------------|----------------------|
| WELL LEASE NO./PLANT NAME | WELL/PLANT LOCATION | STATE                    | WELL/PLANT OWNER     |
| ROEMH 48                  | MORTON              | KS                       | SAME                 |
| SERVICE LOCATION          | CONTRACTOR          | JOB PURPOSE              | TICKET DATE          |
| LIBERAL                   | CHEYENNE #3         | CEMENT PRODUCTION CASING | 08/20/1992           |
| ACCT. NO.                 | CUSTOMER AGENT      | VENDOR NO.               | CUSTOMER P.O. NUMBER |
| 177180                    | D. I. VEATCH        |                          |                      |
|                           |                     | SHIPPED VIA              | FILE NO.             |
|                           |                     | COMPANY TRUCK            | 22612                |

COLORADO INTERSTATE GAS CO  
MORTON STATION  
RT 1 BOX 84  
RICHFIELD, KS 67953

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

| PRICE REF. NO.                         | DESCRIPTION                     | QUANTITY | U/M | UNIT PRICE | AMOUNT |
|--|---------------------------------|----------|-----|------------|--------|
| 001-014                                | CEMENTING CASING                | 5015     | FT  |            |        |
| 030-018                                | CEMENTING PLUG 5W, PLASTIC TOP  | 5 1/2    | IN  |            |        |
| 504-118                                | HALLIBURTON LIGHT CEMENT - PREM | 725      | SK  |            |        |
| 504-043                                | PREMIUM CEMENT                  | 100      | SK  |            |        |
| 506-105                                | POZRIX A                        | 7400     | LB  |            |        |
| 506-121                                | HALLIBURTON-GEL 2X              | 3        | LB  |            |        |
| 507-159                                | CFR-3                           | 399      | LB  |            |        |
| 507-210                                | FLOCELE                         | 231      | LB  |            |        |
| 508-291                                | GILSONITE BULK                  | 11563    | LB  |            |        |
| 500-207                                | BULK SERVICE CHARGE             | 1171     | GFT |            |        |
| 500-304                                | MILEAGE CHRG MAT DEL OR RETURN  | 1202.353 | TMI |            |        |
| INVOICE SUBTOTAL                       |                                 |          |     |            |        |
| DISCOUNT-(BID)                         |                                 |          |     |            |        |
| INVOICE BID AMOUNT                     |                                 |          |     |            |        |
| *-KANSAS STATE SALES TAX               |                                 |          |     |            |        |
| *-SELWYD COUNTY SALES TAX              |                                 |          |     |            |        |
| <p>31787-201<br/>31787-201<br/>SIV</p> |                                 |          |     |            |        |
| INVOICE TOTAL - PLEASE PAY THIS AMOUNT |                                 |          |     |            |        |

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OBSERVATION DIVISION

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.