

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

ORIGINAL

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  PBTB  
 Commingled  Docket No.  
 Dual Completion  Docket No.  
 Other (SWD or Inj?)  Docket No.

8/29/92 9/05/92 9/30/92  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21126 -00-00

County Morton

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

330 Feet from S (circle one) Line of Section

2100 Feet from E (circle one) Line of Section

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

Lease Name Boehm Well # 46

Field Name Boehm

Producing Formation "G" Sand

Elevation: Ground 3481 KB 3492

Total Depth 5038 GL PBTB 4980 GL

Amount of Surface Pipe Set and Cemented at 1388 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 11-17-92  
(Data must be collected from the Reserve Pit)

Chloride content 1260 ppm Fluid volume 553 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 Linda R. Schaefer

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  
Distribution  
 KCC  SWD/Rep  
 KGS  Plug  
RECEIVED  
STATE CORPORATION COMMISSION

OCT 14 1992  
Form ACO-1 (7-91) 10-14-92  
CONSERVATION DIVISION  
Wichita, Kansas

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**SIDE TWO**

Operator Name Colorado Interstate Gas Company \_\_\_\_\_ Lease Name Boehm \_\_\_\_\_ Well # 46 \_\_\_\_\_

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

**ORIGINAL**

**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 (Attach Additional Sheets.)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)  List All E.Logs Run: DIL, SDL-DSN  No samples taken.	<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Formation (Top), Depth and Datums  <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>Morrow Formation</td> <td>4398</td> <td>3481 GL</td> </tr> <tr> <td>"G" Sand</td> <td>4771</td> <td>3481 GL</td> </tr> <tr> <td>Keyes Sand</td> <td>4823</td> <td>3481 GL</td> </tr> </table>	Name	Top	Datum	Morrow Formation	4398	3481 GL	"G" Sand	4771	3481 GL	Keyes Sand	4823	3481 GL
Name	Top	Datum											
Morrow Formation	4398	3481 GL											
"G" Sand	4771	3481 GL											
Keyes Sand	4823	3481 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	1388	Light/Class H	650/150	2% & 3% CaCl
Production	7-7/8"	5-1/2"	15.5	5028	Light/Pozmix	875/200	3/4% CFR-3

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

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	4771 - 4791	Acidize w/ 1000 gal 15% HCl and 2000 gal 12% HCL & 3%HF	4791

<b>TUBING RECORD</b>		Size 2-3/8"	Set At 4805	Packer At	Liner Run <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:      **METHOD OF COMPLETION**      Production Interval      STATE CORPORATION COMMISSION

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

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 Wichita, Kansas

# ORIGINAL

## DRILLERS LOG

COLORADO INTERSTATE GAS COMPANY  
BOEHM #46  
SECTION 14-T33S-R42W  
MORTON COUNTY, KANSAS

COMMENCED: 08-29-92  
COMPLETED: 09-06-92

SURFACE CASING: 1387' OF 8 5/8"  
OMTD 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	44-1394
RED BED	1394-2100
SHALE	2100-2534
SHALE & LIME	2534-2817
LIME & SHALE	2817-3375
SHALE & LIME	3375-3817
LIME & SHALE	3817-4030
SHALE & LIME	4030-4214
SHALE, LIME & MORROW	4214-4435
MORROW	4435-4820
CHESTER	4820-5038     RTD

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

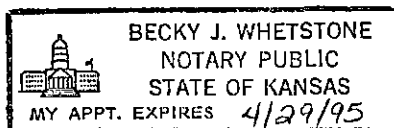
CHEYENNE DRILLING, INC.



A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 9TH DAY OF SEPTEMBER, 1992.



Becky J. Whetstone  
BECKY J. WHETSTONE, NOTARY PUBLIC

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STATE CORPORATION COMMISSION

OCT 14 1992

CONSERVATION DIVISION  
Wichita, Kansas

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



**ORIGINAL HALLIBURTON SERVICES**

INVOICE

A Halliburton Company

INVOICE NO.	DATE
250881	08/30/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
E0EEM 46		MORTON		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL		CHEYENNE DRILLING	CEMENT SURFACE CASINO		08/30/1992	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
177180	D. I. VEATCH			COMPANY TRUCK	39046	

COLORADO INTERSTATE GAS CO  
 MORTON STATION  
 RT 1 BOX 84  
 RICHFIELD, KS 67553

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
000-000	EASTERN AREA 1 MILEAGE	25	MI		
001-016	CEMENTING CASING	1386	FT		
030-018	CEMENTING PLUG SW, PLASTIC TOP	8 5/8	IN		
504-118	HALLIBURTON LIGHT CEMENT - PREM	650	SK		
504-043	PREMIUM CEMENT	150	SK		
507-210	FLOCELE	163	LB		
509-406	ANHYDROUS CALCIUM CHLORIDE	14	SK		
500-207	BULK SERVICE CHARGE	843	CFT		
500-506	MILEAGE CHRG MAT DEL OR RETURN	943.575	TMI		
INVOICE SUBTOTAL					
DISCOUNT-(BID)					
INVOICE BID AMOUNT					
*-KANSAS STATE SALES TAX					
*-SEWARD COUNTY SALES TAX					
<p>310855-2891</p> <p><i>[Signature]</i></p>					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

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OCT 14 1992

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.

CONSERVATION DIVISION  
 Wichita, Kansas  
 PAGE 1



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

**HALLIBURTON SERVICES**

A Halliburton Company

**ORIGINAL**

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
BOEHM 46		MORTON		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL		CHEYENNE #3	CEMENT PRODUCTION CASING		09/05/1992	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
177180	D. I. VEATCH			COMPANY TRUCK	39448	

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
000-117	MILEAGE	25	MI		
		1	UNT		
001-016	CEMENTING CASING	5028	FT		
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5 1/2	IN		
		1	EA		
504-043	PREMIUM CEMENT	100	SK		
506-105	POZMIX A	7400	LB		
506-121	HALLIBURTON-GEL 2K	3	LB		
504-118	HALLIBURTON LIGHT CEMENT -PREM	875	SK		
507-183	CFR-3	465	LB		
507-210	FLOCELE	269	LB		
508-291	GILSONITE BULK	13433	LB		
500-207	BULK SERVICE CHARGE	1362	CFT		
500-306	MILEAGE CMTG MAT DEL OR RETURN	1400.013	TMI		
INVOICE SUBTOTAL					
DISCOUNT-(BID)					
INVOICE BID AMOUNT					
*-KANSAS STATE SALES TAX					
*-SEWARD COUNTY SALES TAX					
<p>31785-201            31785-201  <i>[Signature]</i></p>					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

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CONSERVATION DIVISION  
 Wichita, Kansas