

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

ORIGINAL

API NO. 15- 129-21125 -00-00

County Morton \_\_\_\_\_  
\_\_\_\_\_ - NW - NW Sec. 14 Twp. 33S Rge. 42 X W

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: Jim Jones \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  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  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

9/08/92 9/14/92 10/01/92  
Spud Date Date Reached TD Completion Date

500 Feet from S (circle one) Line of Section

900 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 # 45

Field Name Boehm

Producing Formation "G" Sand

Elevation: Ground 3478 KB 3489

Total Depth 4980 GL PBTD 4934 GL

Amount of Surface Pipe Set and Cemented at 1380 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 RD 11-17-92  
(Data must be collected from the Reserve Pit)

Chloride content 1525 ppm Fluid volume 600 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 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  NGPA  
 KGS  Plug  Other

(Specify)  
**RECEIVED**  
 STATE CORPORATION COMMISSION

Form ACO-1 (A98) 14 1992  
10-14-92  
CONSERVATION DIVISION  
Wichita, Kansas

**SIDE TWO**

Operator Name Colorado Interstate Gas Company \_\_\_\_\_ Lease Name Boehm \_\_\_\_\_ Well # 45 \_\_\_\_\_  
 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 <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 <b>Formation (Top), Depth and Datums</b> <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>4396</td> <td>3478 GL</td> </tr> <tr> <td>"G" Sand</td> <td>4765</td> <td>3478 GL</td> </tr> <tr> <td>Keyes Sand</td> <td>4818</td> <td>3478 GL</td> </tr> </table>	Name	Top	Datum	Morrow Formation	4396	3478 GL	"G" Sand	4765	3478 GL	Keyes Sand	4818	3478 GL
Name	Top	Datum											
Morrow Formation	4396	3478 GL											
"G" Sand	4765	3478 GL											
Keyes Sand	4818	3478 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	1380	Light/Class H	650/150	2% & 3% CaCl
Production	7-7/8"	5-1/2"	15.5	4982	Light/Pozmix	725/200	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	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	4766 - 4785	None	
		ORIGINAL	

TUBING RECORD		Size	Set At	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

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

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 OCT 14 1992  
 CONSERVATION DIVISION  
 Wichita, Kansas

DRILLERS LOG

COLORADO INTERSTATE GAS COMPANY  
BOEHM #45  
SECTION 14-T33S-R42W  
MORTON COUNTY, KANSAS

COMMENCED: 09-08-92  
COMPLETED: 09-15-92

SURFACE CASING: 1379' 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	44-1389
RED BED	1389-2557
LIME & SHALE	2557-2920
SHALE & LIME	2920-3416
LIME & SHALE	3416-3755
SHALE & LIME	3755-4005
LIME & SHALE	4005-4390
MORROW	4390-4675
LIME & SHALE	4675-4984 RTD

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

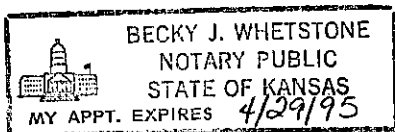
CHEYENNE DRILLING, INC.

*Claude E. Norwood*  
CLAUDE E. NORWOOD

ORIGINAL

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 16TH DAY OF SEPTEMBER, 1992.



*Becky J. Whetstone*  
BECKY J. WHETSTONE, NOTARY PUBLIC  
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STATE CONSERVATION COMMISSION  
OCT 14 1992  
CONSERVATION DIVISION  
Wichita, Kansas



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

**HALLIBURTON SERVICES**

**H** A Halliburton Company

INVOICE

INVOICE NO.	DATE
250471	09/09/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
EUEHM 45		MORTON		KS	SAME	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
LIBERAL		CHEYENNE DRILLING	CEMENT SURFACE CASING		09/09/1992	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.	
177180	D. I. VEATCH			COMPANY TRUCK	39324	

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
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	23	MI		
			1	UNT	
001-016	CEMENTING CASING	1394	FT		
			1	UNT	
030-018	CEMENTING PLUG SW, ELASTIC TOP	8	5/8 IN		
			1	EA	
504-043	PREMIUM CEMENT	150	SK		
504-118	HALLIBURTON LIGHT CEMENT -PREM	650	SK		
507-210	FLOCELE	163	LB		
509-406	ANHYDROUS CALCIUM CHLORIDE	16	SK		
500-207	BULK SERVICE CHARGE	843	CFT		
500-306	MILEAGE CHRG MAT DEL OR RETURN	949.575	TKI		
INVOICE SUBTOTAL					
DISCOUNT-(BID)					
INVOICE BID AMOUNT					
*-KANSAS STATE SALES TAX					
*-SEWARD COUNTY SALES TAX					
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. IF ON 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.

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OCT 14 1992

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

INVOICE

**HALLIBURTON SERVICES**

A Halliburton Company

INVOICE NO.	DATE
250641	09/15/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
BOEHM 45		MORTON		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		CHEYENNE #3	CEMENT PRODUCTION CASING		09/15/1992
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
177180	D. I. VEATCH			COMPANY TRUCK	39842

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	PRICING AREA - EASTERN AREA1 MILEAGE	25	MI		
		1	UNT		
001-016	CEMENTING CASING	4985	FT		
		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	5 1/2	IN		
		1	EA		
504-043	PREMIUM CEMENT	100	SK		
506-105	POZMIX A	7400	LB		
506-121	HALLIBURTON-GEL 2X	3	LB		
504-118	HALLIBURTON LIGHT CEMENT -PREM	725	SK		
507-153	CFR-3	399	LB		
507-210	FLOCCELE	231	LB		
508-291	GILSONITE BULK	11563	LB		
500-207	BULK SERVICE CHARGE	1171	CFT		
500-306	MILEAGE ONTO MAT DEL OR RETURN	1202.362	MI		

INVOICE SUBTOTAL  
DISCOUNT--(BID)  
INVOICE BID AMOUNT

\*--KANSAS STATE SALES TAX  
\*--SEWARD COUNTY SALES TAX

31-84-201  
LPU

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====

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CONSERVATION DIVISION  
Wichita, Kansas  
PAGE: 1

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