

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

API NO. 15- 075-20539-00-00 ORIGINAL

County HAMILTON  
NW- NE - SE -      Sec. 14 Twp. 22S Rge. 42W      E  
     X W

Operator: License # 3871

2310 FSL Feet from SN (circle one) Line of Section

Name: Hugoton Energy Corporation

1250 FEL Feet from EW (circle one) Line of Section

Address 229 E. William, Suite 500

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

City/State/Zip Wichita, KS 67202

Lease Name CHEATUM Well # 2-14

Purchaser: CIBOLA

Field Name BRADSHAW

Operator Contact Person: Jimmy W. Gowens

Producing Formation CHASE

Phone (316) 262-1522

Elevation: Ground 3578' KB 3587'

Contractor: Name: Murfin Drilling Co., Inc.

Total Depth 5375' PBDT 2800'

License: 30606

Amount of Surface Pipe Set and Cemented at 1361 Feet.

Wellsite Geologist: Don Pate

Multiple Stage Cementing Collar Used?      Yes X No

Designate Type of Completion  
X New Well      Re-Entry      Workover

If yes, show depth set      Feet

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

If Alternate II completion, cement circulated from     

feet depth to      w/      sx cmt.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan ALT 1 8/2 11-1-94  
(Data must be collected from the Reserve Pit)

Operator:     

Chloride content      ppm Fluid volume      bbls

Well Name:     

Dewatering method used     

Comp. Date      Old Total Depth     

Location of fluid disposal if hauled offsite:     

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

Operator Name     

Lease Name      License No.     

02/18/94 02/28/94 06/13/94  
Spud Date Date Reached TD Completion Date

     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.

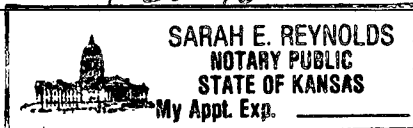
Signature [Signature]

Title Jimmy W. Gowens, V.P. Exploration Date 7/1/94

Subscribed and sworn to before me this 1 day of July 19 94.

Notary Public [Signature]

Date Commission Expires 9-22-96



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)     

Form ACO-1 (7-91)

RECEIVED  
OIL & GAS CONSERVATION COMMISSION  
JUL 5 1994  
7-5-94  
CONSERVATION DIVISION  
Wichita, Kansas

SIDE TWO

Operator Name Hugoton Energy Corporation Lease Name CHEATUM Well # 2-14

East  
 West

County HAMILTON

Sec. 14 Twp. 22S Rge. 42W

**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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	<b>Formation (Top), Depth and Datums</b>	<input type="checkbox"/> Sample.
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHED SHEET.		
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run: Spectral GR, Comp. Neutron/Comp. Photo-Density, Micro-Resistivity, Array Induction.				

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	12-1/4"	8-5/8"		1361'	65/35 Poz Class 'C'	325 150	6% gel + 3% cacl2 + 1/4 #/sk D29 3% cacl2 + 1/4 #/sk D29
production	7-7/8"	4-1/2"	10.5#	2657'	65/35 Poz Class 'C'	435 75	2% SI + 6% D20 + 1/4 #/sk D29 2% SI + 1/4 #/sk D29 + 0.6% D60

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2800'	65/35 Poz	65	2% SI + 6% D20 + 1/4 #/sk D29

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	2596' - 2604' (8')	500 gal. 15% FE acid 4000# 100 mesh sand	
2	2590' - 2593' (3')	9300# 12/20 Brady sand	

<b>TUBING RECORD</b>		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2-3/8"	2643'	NA		
Date of First, Resumed Production, SWD or Inj.		6/17/94		Producing Method	<input type="checkbox"/> Flowing <input checked="" 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
	0		180		15	

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

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 2590' - 2604'

Other (Specify) \_\_\_\_\_

ORIGINAL

HUGOTON ENERGY CORPORATION  
ADDITIONAL SHEETS FOR ACO-1  
CHEATUM #2-14  
API #15-075-20539

Log       Sample.

Name	Top	Datum
WINFIELD	2590'	+997
HEEBNER	3858'	-271
TORONTO	3892'	-305
LANSING	3920'	-333
LANSING 'G' POR	4094'	-507
BASE KC	4376'	-789
MARMATON	4410'	-823
PAWNEE LS	4536'	-949
FORT SCOTT	4568'	-981
CHEROKEE SH	4576'	-989
ATOKA	4832'	-1245
MORROW SHALE	4956'	-1369
BASAL SAND	5194'	-1607
ST. GENEVIEVE	5261'	-1674

**Drill Stem Test Information for ACO-1  
Hugoton Energy Corporation  
Cheatum #2-14  
API #15-075-20539**

**DRILL STEM TESTS**

**DST 1**

Test Interval 4936' - 4991'

Times

30.30.30.30.

First Open

Weak blow, died in 8".

Second Open

No blow.

Recovery

20' drilling mud.

Pressures

IHP 2544

IFP 78-78

ISIP 89

FFP 78-78

FSIP 78

FHP 2522

**DST 2**

Test Interval 5173' - 5275'

Times

30.30.45.90.

First Open

Weak blow, building to bottom of bucket in 6".

Second Open

Weak blow building to bottom of bucket in 11".

Recovery

1310' muddy water (70% water, 30% mud).

Pressures

IHP 2680

IFP 254-450

ISIP 1419

FFP 473-706

FSIP 1240

FHP 2566

RECEIVED  
STATE COMMISSION

JUN 05 1994

CONSTRUCTION DIVISION  
Wichita, Kansas

CEMENTING SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 03-12-3975 DATE: 2-28-94  
 STAGE: P. Back DS DISTRICT: Ulysses, KS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO.: Cheatum 2-14 LOCATION (LEGAL): Sec. 14-225-42W RIG NAME: Murfin Rig 20 ORIGINAL  
 FIELD-POOL: FORMATION: WELL DATA: BIT SIZE 7 7/8" CSG/Liner Size 4 1/2" TOTAL DEPTH 5375 WEIGHT 10.5  
 COUNTY/PARISH: Hamilton STATE: Kansas API. NO.: MUD TYPE WB GRADE: MUD DENSITY 9.2 LESS FOOTAGE SHOE JOINT(S): MUD VISC. Disp. Capacity 2657

NAME: Hugoton Energy AND: ADDRESS: ZIP CODE: NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS: Safely cement plug back and 4 1/2" Long String per customers request.  
 Head & Plugs:  Double  Single  Swage  Knockoff  TBG  D.P. SIZE 4 1/2 WEIGHT 16.6

IS CASING/TUBING SECURED?  YES  NO LIFT PRESSURE 1750 PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>) PRESSURE LIMIT 1700 PSI BUMP PLUG TO RPM RECIPROCATATE FT No. of Centralizers 4

JOB SCHEDULED FOR TIME ASAP DATE 2-28-94 ARRIVE ON LOCATION TIME 1630 DATE 2-28-94 LEFT LOCATION TIME 0100 DATE 3-1-94

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
1733	350		10		5	H <sub>2</sub> O	8.34				
1736	150		18	10	5	cmt	13.0				
1739	120		32 1/2	28	5	Mud	9.0				
1745	-			60 1/2	0						
2300		250	5	60 1/2	6	H <sub>2</sub> O	8.34				
2301		180	162	65 1/2	6	cmt	12.2				
2327		230	17	22 1/2	6	cmt	14.8				
2331		600		244 1/2							
2335		610	32	244 1/2		H <sub>2</sub> O	8.34				
2342		710	10	276 1/2							
2348		1200		286 1/2							

REMARKS: Release Dowell

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	65	1.73	6 3/35 4/102 + 2% O.S.I + 6% D20 + 1/4 #3K D29				20	13.0
2.	435	2.1	6 3/35 4/102 + 2% O.S.I + 6% D20 + 1/4 #3K D29				162	12.2
3.	75	1.32	CLASS "C" + 2% O.S.I + 1/4 #3K D29 + 0.6% D60				14.8	
4.								
5.								
6.								

BREAKDOWN FLUID TYPE:  HESITATION SQ.  RUNNING SQ. VOLUME: CIRCULATION LOST  YES  NO. PRESSURE: MAX 1700 MIN 0  
 TYPE OF WELL:  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 CUSTOMER REPRESENTATIVE: Joe Brougner DS SUPERVISOR: Steve Mersel

RECEIVED STATE COMMISSION COMMISSION DIVISION Wichita, Kansas JUL 05 1994

CEMENTING SERVICE REPORT

Schlumberger

Dowell

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 03-12-3953 DATE: 2-19-94  
 STAGE: DS DISTRICT: Ulysses, Ks.

DS-496-A PRINTED IN U.S.A.

WELL NAME AND NO.: Cheatum 2-14 LOCATION (LEGAL): Sec. 14-225-42w RIG NAME: Murfin Drilling #20  
 FIELD-POOL: FORMATION: WELL DATA: BIT SIZE: 2 1/4 CSG/Liner Size: 8 1/2 ORIGINAL  
 TOTAL DEPTH: 1366 WEIGHT: 74  
 COUNTY/PARISH: Hamilton STATE: Ks. API. NO.:  ROT  CABLE FOOTAGE: 1366  
 MUD TYPE: GRADE: JSS  
 NAME: Hugoton Energy Corp. MUD DENSITY: LESS FOOTAGE SHOE JOINT(S): 33 TOTAL  
 AND: MUD VISC.: Disp. Capacity: 84.9

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

ADDRESS: ZIP CODE: SPECIAL INSTRUCTIONS:   
 Float: TYPE: baffle plate DEPTH: 1333  
 Shoe: TYPE: cmt. guide shoe DEPTH: 1366

Head & Plugs:  TBG  D.P. SQUEEZE JOB  
 Double SIZE:  WEIGHT:  GRADE: TAIL PIPE: SIZE: DEPTH:  
 Single  NEW  USED CASING VOL. BELOW TOOL: Bbls  
 Swage  THREAD: TOTAL: Bbls  
 Knockoff DEPTH: ANNUAL VOLUME: Bbls  
 IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE: 561 PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>):  
 PRESSURE LIMIT: PSI BUMP PLUG TO: 930 PSI  
 ROTATE: RPM RECIPROCATE FT No. of Centralizers: 3

JOB SCHEDULED FOR TIME: ASAP DATE: 2-19-94 ARRIVE ON LOCATION TIME: 2230 DATE: 2-19-94 LEFT LOCATION TIME: 0400 DATE: 2-20-94

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
0208	0	12			7	H2O					
0210	220	122			7	cmt.	12.2				
0219	210	63			7	cmt.	12.2				
0227	200	35			7	cmt.	14.8				
0230	310	25			7	cmt.	14.8				
0232	0										
0233	0	85			7	H2O					
0236	100	20			7	H2O					
0239	210	40			7	H2O					
0242	330	60			7	H2O					
0244	400	70			7	H2O					
0244	450	75	2		2	H2O					
0246	350	80	2		2	H2O					
0248	930	85	2		2	H2O					
0249	450										

REMARKS: PRE-JOB SAFETY MEETING  
 start H2O ahead  
 start lead cmt.  
 psi check  
 start tail cmt.  
 psi check  
 shut down deep top plug  
 start displacement  
 psi check  
 " "  
 " "  
 psi check  
 lower rate  
 psi check  
 bump top plug  
 bleed psi of shut head manifold in  
 END job

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
1.	325	2.10	LSC 35% spoz + 6% gel + 3% cack + 1/4 #1029				12.2	12.2
3.	150	1.34	class C + 3% cack + 1/4 #1029				35	14.8

BREAKDOWN FLUID TYPE:  HESITATION SQ.  RUNNING SQ. CIRCULATION LOST:  YES  NO  
 PRESSURE: MAX. 2000 PSI  
 Cement Circulated To Surf.  YES  NO Bbls: 84.9  
 BREAKDOWN: PSI FINAL PSI DISPLACEMENT VOL. Bbls: 84.9  
 TYPE OF WELL:  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 Washed Thru Perfs:  YES  NO TO FT. MEASURED DISPLACEMENT:  WIRELINE  
 PERFORATIONS: TO TO TO TO  
 CUSTOMER REPRESENTATIVE: Rodney FARR  
 DS SUPERVISOR: James Esquivel