

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

Operator: License # 3871  
 Name: Hugoton Energy Corporation  
 Address 229 E. William Suite 500  
 City/State/Zip Wichita, KS 67202

Purchaser: spot  
 Operator Contact Person: Jim Gowens  
 Phone ( 316 ) 262-1522

Contractor: Name: Cheyenne Drilling  
 License: 5382  
 Wellsite Geologist: Mark Grommesh

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

If Workover/Re-Entry: old well info as follows:  
 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. \_\_\_\_\_  
1-22-92      2-2-92      2-12-92  
 Spud Date      Date Reached TD      Completion Date

API No. 15- 175-21,225-0000  
 County Seward  
 - - SE - SW sec. 3 Twp. 32 Rge. 33W E  
660 Feet from S/N (circle one) Line of Section  
3300 Feet from E/W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE, SE NW or SW (circle one)  
 Lease Name Graham Well # 1-3  
 Field Name ANG  
 Producing Formation Chester  
 Section: Ground 2885' KB 2896'  
 Total Depth 5975' PBSD 5755'  
 Amount of Surface Pipe Set and Cemented at 1753' Feet  
 Amount of Stage Cementing Collar Used? XX Yes \_\_\_\_\_ No \_\_\_\_\_  
 If yes, show depth set 3040' Feet  
 If Alternate II completion, cement circulated from \_\_\_\_\_  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.  
 Drilling Fluid Management Plan A/I  
 (Data must be collected from the Reserve Pit)  
 Chloride content 1800 ppm Fluid volume 100 bbls  
 Dewatering method used natural evaporation  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name \_\_\_\_\_  
 Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
 \_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
 County \_\_\_\_\_ Docket No. \_\_\_\_\_

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**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 Exploration Manager Date 2-22-92  
 Subscribed and sworn to before me this 30 day of April,  
 19 92.  
 Notary Public [Signature]  
 Date Commission Expires \_\_\_\_\_

Garry D. Walker  
 NOTARY PUBLIC  
 State of Kansas  
 MY APPT. EXPIRES 9-18-95

**K.C.C. OFFICE USE ONLY**  
 F  Letter of Confidentiality Attached  
 C  Wireline Log Received  
 C  Geologist Report Received  
 Distribution  
 RECEIVED  
 STATE KCC SWD/Rep NGPA  
 CORPORATION Plug COMMISSION Other  
 KGS  
 (Specify)  
MAY 5 1992

P1

ORIGINAL 1-3

Operator Name Hugoton Energy Corporation

Lease Name Graham

Sec. 3 Twp. 32 Rge. 33

East

County Seward

West

**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:  
PDS, DSI, MRS (BPB)

Log Formation (Top), Depth and Datums  Sample

Name	Top	Datum
Heebner	4235	+1339
Marmaton "A"	4978	-2082
Marmaton "B"	4996	-2100
Cherokee Shale	5160	-2264
Morrow Shale	5510	-2614
Chester Sand	5702	-2806
St. Gen	5808	-2912
St. Louis Porosity	5903	-3007

CASING RECORD <input 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	1753	Class "C"	745	6% gel
Production	7 7/8	4 1/2	10.5	5800	Class "C"	150	2% cc
DV Tool				3040			

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	5703-5307	Natural	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	5690'	NA	

Date of First, Resumed Production, SWD or Inj.	Producing Method
NA	<input checked="" 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
	0	3205	1.0	NA	NA

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

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

Production Interval  
5703-07

ORIGINAL

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APR 8  
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Page 2

Hugoton Energy Corporation  
Graham #1-3  
Sec. 3-32-33W  
API #175-21,225

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Drill Stem Test Information

DST #1 5875-5917 (St. Louis)

Times: 30-60-45-90

Recovery: 180' GIP, 190' & OCM (18% Oil, 9% gas, 73% mud)  
+ 720' G & OCW (10% gas, 7% oil, 83% wtr) +  
420' GW + 1480' SW.

IHP: 2911

FHP: 2741

IFP: 217-776

FFP: 870-1305

ISIP: 1744

FSIP: 1744

BHT: 143°

RECEIVED  
STATE CORPORATION COMMISSION

MAY 5 1992

CONSERVATION DIVISION



TREATMENT NUMBER 0312-4248	DATE 1-22-92
STAGE DS	DISTRICT UK's

PRINTED IN U.S.A.

NAME AND NO. Graham #1-3 LOCATION (LEGAL) Sec 3-32s-33w

FIELD-POOL Hogton FORMATION \_\_\_\_\_

COUNTY/PARISH Seward STATE KANSAS API. NO. \_\_\_\_\_

NAME Hogton Energy

AND \_\_\_\_\_

ADDRESS \_\_\_\_\_

ZIP CODE \_\_\_\_\_

RIG NAME: Cherokee #3

WELL DATA:		BOTTOM	TOP
BIT SIZE <u>12 1/4</u>	CSG/Liner Size <u>2 3/8</u>		
TOTAL DEPTH <u>1758</u>	WEIGHT <u>24</u>		
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE <u>1753</u>		
MUD TYPE <u>fluid</u>	GRADE _____		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD <u>9 1/2</u>		
MUD DENSITY _____	LESS FOOTAGE SHOE JOINT(S) <u>42</u>		TOTAL <u>BE</u>
MUD VISC. _____	Disp. Capacity <u>1911</u>	<u>108.9</u>	

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

SPECIAL INSTRUCTIONS

provide materials + services to safely  
cm! 8 3/4 surface Cas

Foot	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	<u>Auto Fill - 11000</u>	<u>1711</u>			
	<u>TX 410</u>	<u>1753</u>			

Head & Plugs  TBG  D.P.  SQUEEZE JOB

Double  SIZE  WEIGHT  GRADE  THREAD

Single  TUBING VOLUME  CASING VOL. BELOW TOOL

Swage  TUBING VOLUME  CASING VOL. BELOW TOOL

Knockoff  TUBING VOLUME  CASING VOL. BELOW TOOL

TOP  OR  NEW  USED  DEPTH

BOT  OR  DEPTH

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE 690 PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT 500 PSI BUMP PLUG TO 990 PSI

ROTATE \_\_\_\_\_ RPM RECIPROCATE \_\_\_\_\_ FT No. of Centralizers 3

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
15:42	2000	NA	1	-	1	1/60	8.33				
15:43	NA	160	10	-	6.9	1/60	8.33				
15:44		260	292	-	7.8	1/60	12.2				
16:12		200	35	-	7.9	1/60	14.8				
16:16		0	0	-	0	-	-				
16:18	NA	180	109	-	7.0	1/60	8.33				
16:22		410	99	-	2.1	1/60	8.33				
16:37		990	108	-	1.9	1/60	8.33				
16:37		0	0	-	0	1/60	8.33				
16:38											

PRE-JOB SAFETY MEETING psi test done  
1/60 ahead  
500 + lead cmt  
Start Tail cmt  
Shut down wash dropping  
Displace  
Water cement  
Release

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APR 8 1993

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REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	595	2.1	35% <u>300</u>	67% <u>200</u>	222.5	12.2
2.	150	1.32	Class C	27% <u>31</u>	35.3	14.8
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE  HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST  YES  NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 108.9 Bbls

Washed Thru Perfs  YES  NO TO FT. MEASURED DISPLACEMENT  WIRELINE

PERFORMANCES TO TO CUSTOMER REPRESENTATIVE Dominic Bell DS SUPERVISOR Ed Wink

MAX. PRESSURE 410 Bbls

TYPE OF WELL  OIL  STORAGE  BRINE/WATER  GAS  INJECTION  WILCOATZ

CONSERVATION DIVISION Kansas

ORIGINAL



DOWELL SCHLUMBERGER INCORPORATED

DS-496 PRINTED IN U.S.A.

TREATMENT NUMBER 03-12-4265	DATE 2-2-92
STAGE DS	DISTRICT EHC City OKLA

WELL NAME AND NO. **Graham 1-3**

LOCATION (LEGAL) **Section 3-32-5-320**

FIELD-POOL **FORMATION**

COUNTY/PARISH **Sewall** STATE **KANSAS** API. NO.

NAME **Huston Energy**

AND

ADDRESS

ZIP CODE

RIG NAME: **Phycenne #1**

WELL DATA:		BOTTOM	TOP
BIT SIZE	CSG/Liner Size	4 1/2	✓
TOTAL DEPTH	WEIGHT	105	
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE	5800	
MUD TYPE	GRADE		
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD	8 1/4	
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	40	TOTAL
MUD VISC.	Disp. Capacity	91.5	

SPECIAL INSTRUCTIONS

**Pump 10 BBL CW 100 ahead Pump 150  
5 1/2 CLASS C Cmt + 0.5% D60 + 2% ST  
1 1/2" SK D-29 Displace with 91.5 BBL  
H2O**

IS CASING/TUBING SECURED?  YES  NO

LIFT PRESSURE PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)

PRESSURE LIMIT **1100** PSI BUMP PLUG TO **1000** PSI

ROTATE RPM RECIPROCATE FT No. of Centralizers **5**

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

Float	TYPE	DEPTH	Stage Tool	TYPE	DEPTH
	Weatherford	5761			
SHOE	TYPE	DEPTH		TYPE	DEPTH
	Weatherford	5801			

Head & Plugs  TBG  D.P. SQUEEZE JOB

Double  WEIGHT  GRADE  THREAD

Single  SWAGE  KNOCKOFF  NEW  USED

TOTAL DEPTH

TUBING VOLUME Bbbls

CASING VOL. BELOW TOOL Bbbls

TOTAL Bbbls

ANNUAL VOLUME Bbbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME: A SAP	DATE: 2-2-92	TIME: 1700	DATE: 2-2-92	TIME:	DATE:	
17:00											
18:00											
21:15											
21:25											
21:27		170	100	100	3.0	CW 100					
21:31		200	5	150		H2O	8.3				
21:33		180	352	50.2		Cmt	14.8				
22:05		-0-									
22:11		-0-		50.2							
22:12		80	91.5	141.7		H2O	8.3				
22:40		1000									
22:41		-0-		141.7							

PRE-JOB SAFETY MEETING

Hook touch / Lay lines to Well

Wait on casing crew to Run casing

STAB Head Hook Lines to Well

START 10 BBL CW 100 AHEAD

Pump 5 BBL H2O AHEAD

Pump 35.2 BBL CMT @ 14.8

Shutdown / Wash lines

Drop Top Plug

Pump 91.5 BBL H2O Displacement

Bump Plug

Shutdown / CK Flow / BLEED PSE off

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REMARKS FROM CONFIDENTIAL

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	150	1.32	Class C + 0.5% D60 + 2% ST + 1/2" SK D29 (158 cmt)		55.2	11.8
2.						
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE

HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO

Pressure Cement Circulated To Surf.  YES  NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbbls

Washed Thru Perfs  YES LI NO TO FT. MEASURED DISPLACEMENT  WIRELINE

PERFORMANCES TO TO CUSTOMER REPRESENTATIVE **Tony Maxwell**

DS SUPERVISOR **A. G. [Signature]**

MAX. ALLOWED PRESSURE COMMISSION STATE CORPORATION

TYPE OF WELL  OIL  STORAGE/INJECTION  BRINE WATER  WILDCAT