

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

API NO. 15- 075-20532-00-00 **ORIGINAL**
County HAMILTON
C - N/2 - SW - Sec. 30 Twp. 24S Rge. 40W X W^E

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

1980 FSL Feet from S/N (circle one) Line of Section
3960 FEL Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW, or SW (circle one)

Purchaser: Natural Gas Clearing
Operator Contact Person: Jimmy W. Gowens
Phone (316) 262-1522
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: NA

Lease Name WOOD Well # 4A-30
Field Name BRADSHAW
Producing Formation CHASE
Elevation: Ground 3277' KB 3285'
Total Depth 2400' PBDT _____
Amount of Surface Pipe Set and Cemented at 338 Feet.
Multiple Stage Cementing Collar Used? Yes X No _____
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 2400
feet depth to surface w/ 650 sx cmt.

Designate Type of Completion
 New Well Re-Entry Workover

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

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

Operator: 5-19-94
MAY 19 1994

Well Name: _____
Comp. Date _____ Old Total Depth _____
CONSERVATION DIVISION WICHITA, KS

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

03/15/94 03/17/94 05/06/94
Spud Date Date Reached TD Completion Date

Drilling Fluid Management Plan ALT 1 8-19-94
_____ must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
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 [Signature]
Title Jimmy W. Gowens, V.P. Exploration Date _____
Subscribed and sworn to before me this 19 day of May
19 94
Notary Public [Signature]
Date Commission Expires _____

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)

SARAH E. REYNOLDS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 9-22-94

P1

SIDE TWO

ORIGINAL

Operator Name Hugoton Energy Corporation

Lease Name WOOD

Well # 4A-30

East

County HAMILTON

Sec. 30 Twp. 24S Rge. 40W

West

API # 15-075-20532-0000

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: GRN

Log Formation (Top), Depth and Datums Sample.

Name _____ Top _____ Datum _____

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MAY 19 1994

CONSERVATION DIVISION
WICHITA, KS

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"		338'	65/35 poz Class 'C'	90	6% gel + 3% cacl2 + 1/4#/sk D29
production	7-7/8"	4-1/2"	9.5#	2400'	65/35 poz Class 'C'	575	6% D20 + 2% S1 + 1/4#/sk D29
						75	2% S1 + 1/4#/sk D29 + 0.6%D60

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<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	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
2	2370 - 2378' (8')	500 gal 15% NE-FE acid 4000# 100 mesh sand 17,500# 12/20 Brady sand	2370' - 2378' 2370' - 2378' 2370' - 2378'

TUBING RECORD

Size 2-3/8" Set At 2387' Packer At NA Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 05/11/94 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours

Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
0			180		80		

Disposition of Gas: METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
(If vented, submit ACO-18)

Open Hole Perf. Dually Comp. Commingled 2370' - 2378'
 Other (Specify) _____

CEMENTING SERVICE REPORT

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

ORIGINAL
Schlumberger
Dowell
DOWELL SCHLUMBERGER INCORPORATED

15-075-20532-0000
TREATMENT NUMBER 1372-6029 DATE 3-15-94
STAGE DS DISTRICT Wylsec Kc

WELL NAME AND NO. **Woods 4A-30** LOCATION (LEGAL) **Sec 30-24c-40w-** RIG NAME: **MURFIN Drilling #20**
 FIELD-POOL: FORMATION: WELL DATA: BIT SIZE **2 1/4** CSG/Liner Size **5 7/8** BOTTOM TOP
 TOTAL DEPTH **362** WEIGHT **74**
 COUNTY/PARISH **Hamilton** STATE **Kc.** API. NO. ROT CABLE FOOTAGE **142**
 NAME **Hugoton Energy Corp.** MUD TYPE GRADE **SS**
 AND: BHST BHCT THREAD **8ed**
 MUD DENSITY - LESS FOOTAGE SHOE JOINT(S) TOTAL
 MUD VISC. Disp. Capacity **208**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 SPECIAL INSTRUCTIONS: **RECEIVED KANSAS CORPORATION COMMISSION**
 ZIP CODE: **MAY 19 1994**
 IS CASING/TUBING SECURED? YES NO CONSERVATION DIVISION
 LIFT PRESSURE **143** PSI CASING WEIGHT SURFACE AREA **WICHITA (3.1K8 R2)**
 PRESSURE LIMIT PSI BUMP PLUG TO PSI
 ROTATE RPM RECIPROCAT FT No. of Centralizers

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE TOOL TYPE
 Single WEIGHT DEPTH
 Swage GRADE TAIL PIPE: SIZE DEPTH
 Knockoff THREAD TUBING VOLUME Bbls
 TOP OR W NEW USED CASING VOL. BELOW TOOL Bbls
 BOT OR W DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

TIME PRESSURE VOLUME PUMPED BBL JOB SCHEDULED FOR ARRIVE ON LOCATION LEFT LOCATION
 0001 to 2400 TBG OR D.P. CASING INCREMENT CUM INJECT RATE FLUID TYPE FLUID DENSITY TIME DATE TIME DATE TIME DATE
ASAP DATE 3-15-94 7:30 DATE 3-15-94 2:30 DATE 3-15-94

TIME	PRESSURE		VOLUME PUMPED BBL		INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
	TBG OR D.P.	CASING	INCREMENT	CUM				
2117	0	10			5.7	H2O		PRE-JOB SAFETY MEETING
2119	150	33			5.7	cmf	12.2	START lead cmf
2122	150		17		5.7	cmf	12.2	PSI check
2125	180	21			5.7	cmf	14.8	START tail cmf
2127	210		11		5.7	cmf	14.8	PSI check
2128	0							shut down deep top plug
2131	0	20.5			3.5	H2O		START displacement
2134	40		11		3.5	H2O		PSI check
2136	110		20		2			" "
2137	70		20.5		3			shut down top plug displaco 20 ft.
2139								FROM BOTTOM OF CASING shut cmf head manifold END JOB

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
			BBLS	DENSITY	BBLS	DENSITY	
1.	90	2.10	65C	35% spoz + 6% gal + 3% carl2 + 1/4 #1029	33.6	12.2	
2.							
3.	90	1.32		class C + 3% carl2 + 1/4 #1029	21.1	14.8	
4.							
5.							
6.							

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN.
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **20.5** Bbls TYPE OIL STORAGE BRINE WATER
 WASHED THRU PERIS YES NO TO FT. MEASURED DISPLACEMENT WIRELINE OF WELL GAS INJECTION WILDCAT
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE **Podnay FARR** DS SUPERVISOR **James Esquivel**

CEMENTING SERVICE REPORT



15-075-20532-0000
 TREATMENT NUMBER 03-12-0033 DATE 3-17-94
 STAGE DS DISTRICT 0143565 KS

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. Wood 4#-30 LOCATION (LEGAL) SEC 30-24S-40W RIG NAME: Mudwin #21
 FIELD-POOL FORMATION WELL DATA: BIJ SIZE 7 7/8" CSG/Liner Size 4 1/2" BOTTOM OS 22 TOP
 COUNTY/PARISH Hamilton STATE KS API. NO. TOTAL DEPTH 2400 WEIGHT 10.5
 NAME Hogson Energy AND ROT CABLE FOOTAGE 2400
 ADDRESS MUD TYPE GRADE
 SPECIAL INSTRUCTIONS BHST THREAD
 BHCT MUD DENSITY LESS FOOTAGE SHOE JOINT(S) TOTAL
 MUD VISC. Disp. Capacity 3816

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

Float	TYPE		Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE	<u>0.5</u>		TYPE	
	DEPTH	<u>2400</u>		DEPTH	

Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE TOOL TYPE
 Single WEIGHT DEPTH
 Swage GRADE TAIL PIPE: SIZE DEPTH
 Knockoff THREAD TUBING VOLUME Bbls
 TOP NEW USED CASING VOL. BELOW TOOL Bbls
 BOT NEW USED DEPTH TOTAL Bbls
 ROTATE RPM RECIPROCATE FT No. of Centralizers 3 ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME: <u>1530</u>	DATE: <u>3-17</u>	TIME: <u>1530</u>	DATE: <u>3-17</u>	TIME: <u> </u>	DATE: <u>3-17</u>	
0001 to 2400											
1733	210	10			5	1420	8.32			Start Water	
1735	210	215	10		6	1400	12.2			Start Lead	
1816	160	18	225		6	1400	14.8			Start Tail	
1819	-	-	243		-	-	-			Shut down - Wash Pump Lines	
1823	-	-	243		-	-	-			Drop Top Plug	
1823	120	38	243		6	1400	8.34			Start Displacement	
1829	430		28		2					Slow Rate	
1834	700		38		2					Drop Top Plug	
1834	1400									Start K Flow - Flow Hoisting	

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 MAY 19 1994
 CONSERVATION DIVISION
 WICHITA, KS

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	575	2.1	65/35 + 6% D20 + 2% S1 + 1/4 #/SC 029				215	12.2
2.	75	1.32	C + 2% S1 + 1/4 #/SIC 029 + 6% D60				18	14.2
3.								
4.								
5.								
6.								

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

DENSITY PRESSURE MAX. MIN: 485Ks
 WIRELINE Cement Circulated To Surf. YES NO 18 Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 38 Bbls
 Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT

PERFORATIONS TO TO CUSTOMER REPRESENTATIVE DS SUPERVISOR