

ORIGINAL

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

API NO. 15- 075-20509-0000

County HAMILTON

Appx. _____

NW-SE - SE - - - Sec. 19 Twp. 21 Rge. 40 X W ^E

Operator: License # 3871

1250 FSL Feet from S/N (circle one) Line of Section

Name: Hugoton Energy Corporation

1250 FEL Feet from E/W (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 WELTON Well # 2-19

Purchaser: N.G.C. (Tek)

Field Name BRADSHAW GAS AREA

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 2820' PBTB _____

License: 30606

Amount of Surface Pipe Set and Cemented at 337 Feet.

Wellsite Geologist: Joe Brougher

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion

New Well Re-Entry Workover

If yes, show depth set _____ Feet

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Alternate II completion, cement circulated from 2819

feet depth to surface w/ 650 sx cmt.

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

Drilling Fluid Management Plan ALT 2 JZ 7-20-94
(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 PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S _____ Rng. _____ E/W

County _____ Docket No. _____

09-21-93 09-23-93 02-17-94
Spud Date Date Reached TD Completion Date

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 _____

Title Jimmy W. Gowens, V.P. Exploration Date 3/1/94

Subscribed and sworn to before me this 1 day of March 1994.

Notary Public Sarah E Reynolds

Date Commission Expires _____

SARAH E. REYNOLDS
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 7-22-96

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep
KGS Plug
STATE CORPORATION COMMISSION
NGPA
Other (Specify)
MAY 02 1994

CONSERVATION DIVISION
Form ACO-1 (7-91) Wichita, Kansas

3-2-94 p1

SIDE TWO

Operator Name Hugoton Energy Corporation Lease Name WELTON Well # 2-19

East

County HAMILTON

Sec. 19 Twp. 21 Rge. 40
 West

API# 15-075-20509.0000

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: Gamma Ray Neutron

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample.
Name	Top	Datum
B/SC	2345	+1242
WINFIELD	2768	+819

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"		337'	65/35 poz Class 'C'	70 100	6% D20 + 2% SI + 1/4#/SK D29 2% SI + 1/4#/SK D29
production	7-7/8"	4-1/2"	9.5#	2819'	65/35 Class 'C'	450 200	6% D20 + 2% SI + 1/4#/SK D29 2% SI + 1/4#/SK D29 + .5%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
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2	2770 - 2774' (4')	Acidize with 500 Gal. 15% FE Frac with 40,420#. 12-20 Sand + 605# YF-130
2	2780 - 2786' (6')	gelled water

TUBING RECORD Size 2-3/8" Set At 2818' Packer At NA Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. 2-19-94 Producing Method Flowing Pumping Gas Lift Other (Specify) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	30	80		

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 STATE OF KANSAS
 CONSERVATION DIVISION
 270012766
MAR 02 1994

Disposition of Gas: METHOD OF COMPLETION

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

CEMENTING SERVICE REPORT

RECEIVED SEP 27 1993

15.075.20509.0000

TREATMENT NUMBER 85-17-5752 DATE 9-21-93

JWELL SCHLUMBERGER INCORPORATED

AGE DS DISTRICT U149505 45

DS-495 PRINTED IN U.S.A.

WELL NAME AND NO WELTON # 2-19		LOCATION (LEGAL) SEC 19-215-40W		RIG NAME MURFIO # 20	
FIELD-POOL		FORMATION		WELL DATA BOTTOM	
COUNTY/PARISH HAMILTON		STATE KANSAS		API NO	
NAME HUGOTON ENERGY		MUD TYPE		GRADE	
AND		MUD DENSITY		LESS FOOTAGE SHOE JOINT(S) 15	
ADDRESS		MUD VISC		Dial Capacity 325	
ZIP CODE		NOTE: Include Footage From Ground Level To Head In Dial Capacity		TOTAL 20.7	

ORIGINAL

SPECIAL INSTRUCTIONS		Head & Plugs		SQUEEZE JOB	
		<input type="checkbox"/> Double		SIZE	
		<input checked="" type="checkbox"/> Single		<input type="checkbox"/> WEIGHT	
		<input type="checkbox"/> Swage		<input type="checkbox"/> GRADE	
		<input type="checkbox"/> Knockoff		<input type="checkbox"/> THREAD	
IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO		TOP <input type="checkbox"/> OR <input type="checkbox"/> CW		NEW <input type="checkbox"/> USED	
LIFT PRESSURE PSI		CASING WEIGHT - SURFACE AREA (3 1/4 x R ²)		TUBING VOLUME Bbls	
PRESSURE LIMIT PSI		BUMP PLUG TO PSI		CASING VOL BELOW TOOL Bbls	
ROTATE RPM		RECIPROCATE FT		No. of Centralizers	
				ANNUAL VOLUME Bbls	

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR TIME 2100 DATE 9-21			ARRIVE ON LOCATION TIME 2100 DATE 9-21		LEFT LOCATION TIME 2330 DATE 9-21-93	
	TBG OR DP	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
0001 to 2400								PRE-JOB SAFETY MEETING & PRESSURE TEST LINE			
2214	3000							START WATER BLEND			
2216		160	10		5	lbd	8.34	START LIQUID CEMENT			
2218		150	24	10	5	ORT	12.2	START T.O.L CEMENT			
2223		250	24	36	2	CRK	14.8	CEMENT MIXED SHUT DO			
2235		-		40	-			DEEP PLUG			
2240		-		40	-			START DISPLACEMENT			
2240		-		20.7	4			CEMENT TO SURFACE			
2246		120		19	4			SHUT DO - BLEND IN ULLUS			
2246		130		20.7	-						

REMARKS

SYSTEM CODE	NO OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS					SLURRY MIXED	
			BLLS	DENSITY				BLLS	DENSITY
1	70	2.1	65/35 + 6/10 1200 2% 51 + 74 + 150 029					26	12.2
2	100	1.32	6 + 24/10 51 + 74 + 150 029					24	14.8
3									
4									
5									
6									

BREAKDOWN FLUID TYPE		VOLUME		DENSITY		PRESSURE 250 MAX	
<input type="checkbox"/> HESITATION SQ		<input type="checkbox"/> RUNNING SQ		CIRCULATION LOST		Cement Circulated To Surf. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
BREAKDOWN PSI		FINAL PSI		DISPLACEMENT VOL 21/2		TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> GAS	
Washed Thru Parts <input type="checkbox"/> YES <input type="checkbox"/> NO		TO FT		MEASURED DISPLACEMENT <input type="checkbox"/>		STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/>	
PERFORATIONS		CUSTOMER REPRESENTATIVE		DS SUPERVISOR		STATE OF KANSAS	
TO TO				Grey Green		RESERVATION DIVISION	
						Wichita, Kansas	

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MAY 11 1994
RESERVATION DIVISION
Wichita, Kansas

CEMENTING SERVICE REPORT



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15.075.20509-0000

TREATMENT NUMBER 1007
 8-3-12-5557 DATE 9-23-93
 AGE DS DISTRICT
 1 WYSSSES, KS

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. Wellton No. 2-19		LOCATION (LEGAL) sect. 19-21s-40W		RIG NAME: Murfin 20	
FIELD-POOL		FORMATION		WELL DATA:	
COUNTY/PARISH Hamilton		STATE Kansas		API. NO.	
NAME Hugoton Energy		ADDRESS		ZIP CODE	
SPECIAL INSTRUCTIONS Provide Materials and services to safely cement the production casing.		IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO		LIFT PRESSURE 11690 PSI	
AND		CASING WEIGHT ÷ SURFACE AREA (3.14 × R ²)		PRESSURE LIMIT 11690 PSI	
ADDRESS		BUMP PLUG TO 1210 PSI		ROTATE 11690 RPM	
SPECIAL INSTRUCTIONS		RECIPROCATE		FT	
SPECIAL INSTRUCTIONS		No. of Centralizers 4		ARRIVE ON LOCATION TIME: 2100 DATE: 9-23-93	
SPECIAL INSTRUCTIONS		No. of Centralizers 4		LEFT LOCATION TIME: 0345 DATE: 9-23-93	

BIT SIZE	7 7/8"	CSG/Liner Size	4 1/2"	BOTTOM	TOP
TOTAL DEPTH	2827	WEIGHT	9.5	ORIGINAL	
<input type="checkbox"/> BOT <input type="checkbox"/> CABLE		FOOTAGE	2834.66		
MUD TYPE		GRADE			
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT		THREAD	8rd		
MUD DENSITY		LESS FOOTAGE SHOE JOINT(S)	8.9	TOTAL	
MUD VISC.	9	Disp. Capacity	2825.66	45.8	

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

SHOE	FLG	TYPE	Auto Fill Insert	STAGE TOOL	TYPE	
		DEPTH	2825.66		DEPTH	
SHOE	FLG	TYPE	cmt. nose	STAGE TOOL	TYPE	
		DEPTH	2834.66		DEPTH	

Head & Plugs	<input type="checkbox"/> TGB	<input type="checkbox"/> D.P.	SQUEEZE JOB	
<input type="checkbox"/> Double	SIZE	TOOL	TYPE	
<input type="checkbox"/> Single	WEIGHT	TOOL	DEPTH	
<input type="checkbox"/> Swage	GRADE	TAIL PIPE: SIZE		DEPTH
<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME		Bbls
<input type="checkbox"/> TOP OR OW	<input type="checkbox"/> NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL		Bbls
<input type="checkbox"/> BOT OR OW	DEPTH	TOTAL		Bbls
ANNUAL VOLUME Bbls				

TIME	PRESSURE		VOLUME PUMPED bbl		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TGB OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
0134	1160	13					H ₂ O	8.34	Start H ₂ O to line out Tub.		
0139	120	168	13				cmt.	12.2	Start lead cement.		
0212	50	47	181				cmt.	14.8	Start Tail cement.		
0222	-	-	228				-	-	Shutdown Drop Plug		
0230		36	228				H ₂ O	8.34	Start displacement.		
0236		10	264						Lower Rate.		
0241			274						Bump Plug		
0242									check float/ If held Release Dowell.		

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	450	2.1	65% 5/8" + 6% D20 + 22% S1 + 1/4" #K D29			1168	12.2	
2.	200	1.32	Class "C" + 22% S1 + 1/4" #K D29 + 0.5% Obu			47	14.8	
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE		VOLUME		DENSITY	PRESSURE	MAX. 1210	MIN: 0
<input type="checkbox"/> HESITATION SQ.		<input type="checkbox"/> RUNNING SQ.		CIRCULATION LOST	Cement Circulated To Surf. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
BREAKDOWN		PSI	FINAL	PSI	DISPLACEMENT VOL. 45.8	Bbls	
Washed Thru Perfs <input type="checkbox"/> YES <input type="checkbox"/> NO		TO	FT.	MEASURED DISPLACEMENT 9	<input type="checkbox"/> WIRELINE		
PERFORATIONS		CUSTOMER REPRESENTATIVE			DS SUPERVISOR		
TO TO		Rodney Farr/ Joe Braucher			Steve Menach		

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 MAR 02 1994
 CONSERVATION DIVISION
 Wichita, Kansas