

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 32787  
Name: Kansas Natural Gas Operating, Inc.  
Address: P.O. Box 815  
City/State/Zip: Sublette, KS 67877  
Purchaser: Williams - Southern Star  
Operator Contact Person: Mr. Steve Lehning  
Phone: (620) 675-8185 or 629-0535  
Contractor: Name: Cheyenne Drilling - LP  
License: 33375  
Wellsite Geologist: Mr. Ron Osterbuhr  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
9-14-04 9-15-04 10-2-04  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 081-21546-00-00  
County: Haskell County  
App. C SE 1/4 Sec. 12 Twp. 29 S. R. 33  East  West  
1250' feet from  N (circle one) Line of Section  
1250' feet from  W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  SE NW SW  
Lease Name: F. McCoy Well #: 1-A (Replace)  
Field Name: Hugoton - Chase Series  
Producing Formation: Chase Formation  
Elevation: Ground: 2921' G.L. Kelly Bushing: 2928' KB  
Total Depth: 2760' Plug Back Total Depth: 2762'  
Amount of Surface Pipe Set and Cemented at \_\_\_\_\_ Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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Drilling Fluid Management Plan Alt. #1 KGR 7/2/07  
(Data must be collected from the Reserve Pit)  
Chloride content NA ppm Fluid volume 120 bbls  
Dewatering method used Remove Excess - Dry - Backfill  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: Nichols - LLC  
Lease Name: Sublette - W-1 License No.: 31983  
Quarter NW Sec. 01 Twp. 32 S. R. 33  East  West  
County: Seward Docket No.: D-27972

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Steve Lehning  
Title: SUPT. Date: 10/15/04  
Subscribed and sworn to before me this 14<sup>th</sup> day of October,  
2004.  
Notary Public: Kraig L Gross  
Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Kansas Natural Gas Operating, Inc. Lease Name: F. McCoy Well #: 1-A (Replace)  
 Sec. 12 Twp. 29 S. R. 33  East  West County: Haskell County

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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

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Name	Top	Datum
T/Permian	790'	+2138'
T/Cedar Hills	1345'	+1583'
B/Stone Corral	1855'	+1073'
T/Hollenberg	2616'	+312'
T/Herrington	2650'	+278'
T/Krider	2667'	+261'
T/Winfield	2721'	+207'
Rotary Total Depth	2760'	+168'
Log Total Depth	2762'	+166'

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 Pipe	12 1/4"	8 5/8"	24#	753' G.L.	HLC-PP	395	3% Cal. Chlor.
Production Pipe	7 7/8"	5 1/2"	14#	2753' G.L.	HLC-PP	509	6% Halad-322

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ 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
(4) Shots	2653' - 2661' KB KB = 7'	Acid: 3000 Gallons of 15% FE-MCA Acid	
	2671' - 2681' KB (120 Total Holes)	and 80 Bls. of 2% KCL Water	
	2694' - 2700' KB		
	2723' - 2729' KB	Frac Job: 60000# 16-30 Nitrogen Foam Frac	
		at 46 BPM ramped at 1#-5# P/Gallon	

TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer At					
2 3/8" EUE 8 RD	2733' G.L.	None					
Date of First, Resumerd Production, SWD or Enhr. Pending Pipeline Connection				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

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

METHOD OF COMPLETION  Open Hole  Perf.  Other (Specify)

Production Interval

2653' - 2661' KB
2671' - 2681' KB
2694' - 2700' KB
2723' - 2729' KB

## DRILLING & GEOLOGICAL SUMMARY

**OPERATOR:** Kansas Natural Gas, Inc.  
**WELL NAME:** F. McCoy #1-A  
**LOCATION:** 1250' FSL, 1250' FEL sec12-T29S-R33W  
**ELEVATIONS:** GL-2921', KB-2928'  
**SPUD DATE:** 09/14/2004  
**DRILLING CONTRACTOR:** Cheyenne Drlg.-Rig#8

**KCC #:** 5269  
**API #:** 15-081-21546  
**COUNTY:** Haskell  
**TOTAL DEPTH:** 2760'  
**DRILLING COMPLETED:** 09/15/2004  
**KCC #:** 33375

**SURFACE CASING SIZE:** 8 5/8" **WEIGHT:** 24#  
**CEMENT:** 270sx of Premium+ lite, 125sx of Premium+

**GRADE:** J-55 **DEPTH:** 750'

**CASING EQUIPMENT:** "Texas" pattern shoe, baffle plate, 3 centralizers

**COMMENTS:** circulated 150sx cement to pit. Deviation-1°

**PRODUCTION CASING SIZE:** 5.5" **WEIGHT:** 14# **GRADE:** **DEPTH:** 2760' **1st STAGE CEMENT:** 370sx Premium+ lite, 125sx Premium+.

**2nd STAGE CEMENT:**

**CASING EQUIPMENT:** guide shoe w/integral latch-down baffle, 10 centralizers.

**COMMENTS:** circulated 139 sx cement to pit. Deviation - 3/4°

**OPEN-HOLE LOGS:** none

**CASED-HOLE LOGS:** GRN-CCL

**SIGNIFICANT DEPTHS:** (log depths measured from-KB @ 2928')

horizon	depth	datum	remarks
T/Permian	790'	+2138'	
T/Cedar Hills	1345'	+1583'	
B/Stone Corral	1855'	+1073'	
T/Hollenberg	2616'	+ 312'	
T/Herington	2650'	+ 278'	perforated 2653'-2661'
T/Krider	2667'	+ 261'	perforated 2671'-81', 2694'-2700'
T/Winfield	2721'	+ 207'	perforated 2723'-29'
Rotary total depth	2760'	+ 168'	
Log Total depth	2762'	+ 166'	

**PERFORATIONS:** 2653'-2661', 2671'-2681', 2694'-2700', 2723'-2729' (all w/4spf).

**ACID TREATMENTS:** 3000 gallons 15% FE-MCA acid at average rate of 7 bpm at average pressure of 40#, with maximum pressure of 58#. ISIP was 0# and a vacuum in 1 minute.

**FRACTURE TREATMENTS:** 32,719 gallons of 70Q N<sub>2</sub> foam; 60,200# of 16/30 sand. Treated at average rate of 45bpm at an average pressure of 1025#. maximum treating pressure was 1124#.

**REMARKS:** ran tubing, rods, and pump on 10/02/2004. shut in, waiting on flow test.



Ron Osterbuhr  
10/08/2004

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# HALLIBURTON

CEMENTING SERVICE AND SALES QUOTE: 21154007 SO: 3287722

COMPANY <b>CHEYENNE DRILLING</b>		301338		FACILITY <b>LIBERAL</b>		AFE/WORK ORDER		DATE <b>September 14, 2004</b>		
CONTRACTOR <b>CHEYENNE #8</b>				Owner <b>KANSAS NAT (5001982)</b>		LEGAL DESCRIPTION <b>12 - 29S - 33W</b>		API <b>15-081-21546</b>		
LEASE <b>McCOY</b>		<b>2375824</b>		WELL # <b>1-A</b>	COUNTY <b>HASKELL</b>	STATE <b>Ks</b>	MILEAGE-RT <b>60/30</b>			
DIRECTIONS  <b>SUBLETTE,KS @ HWY 83 &amp; 56 JCT - 4 NORTH ON 83 HWY - 1/4 WEST - NORTH TO LOCATION.</b>  <b>CEMENT SURFACE</b>										
Pumping Services	<input checked="" type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Long String	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Liner					
	<input type="checkbox"/> Squeeze	<input type="checkbox"/> Acid	<input type="checkbox"/> PTA	<input type="checkbox"/> Other						
	Casing Size <b>8 5/8</b>	Casing Weight <b>24#</b>	Thread <b>8 RD</b>	Tbng/DP Size	Thread	Plug. Cont. <b>YES</b>	Swage <b>YES</b>	Top Plug <b>WOODEN</b>	Bottom Plug	% Excess <b>100%</b>
	Number and Type Units <b>RCM &amp; BULK</b>						BHST	BHCT	Hole Size <b>12 1/4</b>	
	Remarks						Depth-TMD <b>850 FT</b>	Depth-TVD	Mud Weight/Type <b>SPUD</b>	
Cementing Materials	<b>LEAD</b>	# of Sacks <b>270</b>	Type <b>HLC PP</b>	Additives <b>3% CC - 1/2# FLOCELE</b>						
	<b>EPT-3:00</b>	Weight PPG <b>12.3</b>	Yield Ft <sup>3</sup> /Sk <b>2.06</b>	Water Gal/Sk <b>11.41</b>						
	<b>TAIL</b>	# of Sacks <b>125</b>	Type <b>PREM PLUS</b>	Additives <b>2% CC - 1/4# FLOCELE</b>						
	<b>EPT-2:00</b>	Weight PPG <b>14.8</b>	Yield Ft <sup>3</sup> /Sk <b>1.34</b>	Water Gal/Sk <b>6.3</b>						
		# of Sacks	Type	Additives						
		Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk						
		# of Sacks	Type	Additives						
		Weight PPG	Yield Ft <sup>3</sup> /Sk	Water Gal/Sk						
	Spacer or Flush	Quantitv	Type	Additives						
	Spacer or Flush	Quantitv	Type	Additives						
Other	Quantitv	Type	Additives							
Remarks/HSE	<p><b>"ELIMINATE UNPLANNED EVENTS"</b></p> <p><b>WEAR ALL PPE EQUIPMENT ON LOCATION AT ALL TIMES - THINK SAFETY FIRST - THANK YOU FOR YOUR EFFORTS</b></p>									
Sales Items	Casing Size <b>8 5/8</b>		Casing Weight <b>24#</b>		Thread <b>8 RD</b>					
	Guide Shoe <b>NO</b>		Float Shoe		Float Collar		Insert Float Valve <b>INSERT W/ FILL TUBE</b>			
	Centralizers - Number <b>3 EACH</b>		Size <b>8 5/8 X 12 1/4</b>		Type <b>SERIES 41</b>					
	Wall Cleaners - Number		Type		MSC (DV Tool)		Latch Down Plug Set			
	Limit Clamps		Weld-A <b>1 EACH</b>		Other					
	Remarks <b>F/E ON LOC - TAKE 5 1/2 F/E - GUIDE SHOE, WELD-A, 10 EA CENT, LD PLUG &amp; BAFFLE</b>									
Customer Rep. <b>RAMONE</b>		Cell Phone <b>620-391-0411</b>		Office Phone <b>RIG 620-272-2032</b>		Fax		Time of Call <b>0800 9/14/04</b>		
Call Taken By <b>LARRY / DON</b>						Date Ready <b>9/14/04</b>		Time Ready <b>WC</b>		
Operator or Driver Called						Time				

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<b>HALLIBURTON JOB LOG</b>		TICKET # <b>3287722</b>	TICKET DATE <b>09/14/04</b>
REGION <b>Central Operations</b>	NWA / COUNTRY <b>Mid Contitnent/USA</b>	BDA / STATE <b>MC/Ks</b>	COUNTY <b>HASKELL</b>
MBU ID / EMPL # <b>MCLI0110 / 217398</b>	H.E.S. EMPLOYEE NAME <b>Mickey Cochran</b>	PSL DEPARTMENT <b>Cement</b>	CUSTOMER REP / PHONE <b>RAMONE 620-391-0411</b>
LOCATION <b>LIBERAL</b>	COMPANY <b>CHEYENNE DRILLING</b>	WELL TYPE <b>01 Oil</b>	API/UWI #
TICKET AMOUNT	DEPARTMENT <b>Z1</b>	JOB PURPOSE CODE <b>Cement Surface Casing</b>	
WELL LOCATION <b>SUBLETTE, KS</b>	SEC / TWP / RNG <b>12 - 29S - 33W</b>	HES FACILITY (CLOSEST TO WELL S) <b>Liberal, Ks</b>	
LEASE NAME <b>McCOY</b>	Well No. <b>1-A</b>		

F.

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Cochran, M 217398	6						
Arnett, J 226567	6						
Cunningham, L 310538	5						
Taylor, B 157816	5						

Chart No	Time	Rate (SPM)	Volume (GAL)	Rate		Press. (PSI)		Job Description / Remarks
				MP	CSG	ID	ID	
	1400							JOB READY
	1010							PRETRIP SAFTY MEETING
	1300							ARRIVE ON LOCATION
	1305							PREJOB SAFTY MEETING W/ HALLIBURTON CREW
	1310							SPOT EQUIPMENT
	1315							RIG UP EQUIPMENT
	1420							START CASING
	1630							CASING ON BOTTOM & CIRCULATE W/ RIG PUMP(S)
	1649					2000		PRESSURE TEST PUMPS & LINES
	1654	6.0	99.0			150		START LEAD CEMENT 270 SKS @ 12.3#
	1709	6.0	29.0			175		START TAIL CEMENT 125 SKS @ 14.8#
	1717							SHUT DOWN & DROP PLUG
	1717	6.0	0			50		START DISPLACEMENT W/ FRESH H2O
	1722	5.0	17.0			165		DISPLACEMENT CAUGHT CEMENT
	1727	2.0	35.0			200		SLOW RATE
	1734	2.0	45.0			500		BUMP PLUG
	1735	0				0		RELEASE --- FLOAT HELD
	1735							END JOB
						250		PRESSURE BEFORE PLUG LANDED
			55.0					CIRCULATED CEMENT TO PIT
								Circulated (150 SACKS BACK TO PIT)
								RECEIVED OCT 18 2004 KCC WICHITA
								THANK YOU FOR CALLING HALLIBURTON MICKEY & CREW

# HALLIBURTON

CEMENTING SERVICE AND SALES QUOTE: 21154008 SO: 3287938

COMPANY <b>CHEYENNE DRILLING</b>		301338		FACILITY <b>LIBERAL</b>		AFE/WORK ORDER		DATE <b>September 14, 2004</b>		
CONTRACTOR <b>CHEYENNE #8</b>			Owner <b>KANSAS NAT (5001982)</b>			LEGAL DESCRIPTION <b>12 - 29S - 33W</b>		API <b>15-081-21546</b>		
LEASE <b>McCOY F.</b>		<b>2375824</b>		WELL # <b>1-A</b>	COUNTY <b>HASKELL</b>	STATE <b>Ks</b>	MILEAGE-RT <b>60/30</b>			
DIRECTIONS <b>CEMENT PRODUCTION PIPE</b> <b>SUBLETTE,KS @ HWY 83 &amp; 56 JCT - 4 NORTH ON 83 HWY - 1/4 WEST - NORTH TO LOCATION.</b>										
Pumping Services	<input type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input checked="" type="checkbox"/> Long String	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Liner					
	<input type="checkbox"/> Squeeze	<input type="checkbox"/> Acid	<input type="checkbox"/> PTA	<input type="checkbox"/> Other						( ) H2S
	Casing Size <b>5 1/2</b>	Casing Weight <b>15.5#</b>	Thread <b>8 RD</b>	Tbng/DP Size	Thread	Plug. Cont. <b>YES</b>	Swage <b>YES</b>	Top Plug <b>LD</b>	Bottom Plug	% Excess <b>125%</b>
	Number and Type Units <b>RCM &amp; BULK CEMENT PRODUCTION CASING</b>						BHST	BHCT	Hole Size <b>7 7/8</b>	
Remarks <b>S 1/2" - 14"</b>						Depth-TMD <b>2850 FT</b>	Depth-TVD	Mud Weight/Type		
Cementing Materials	<b>LEAD</b>	# of Sacks <b>370</b>	Type <b>HLC PP</b>	Additives <b>1/4# FLOCELE</b>						
	<b>EPT-3:00</b>	Weight PPG <b>12.3</b>	Yield Ft3/Sk <b>2.02</b>	Water Gal/Sk <b>11.28</b>						
	<b>TAIL</b>	# of Sacks <b>125</b>	Type <b>PREM PLUS</b>	Additives <b>.6% HALAD-322 + 1/4# FLOCELE</b>						
	<b>EPT-2:00</b>	Weight PPG <b>14.8</b>	Yield Ft3/Sk <b>1.32</b>	Water Gal/Sk <b>6.3</b>						
		# of Sacks	Type	Additives						
		Weight PPG	Yield Ft3/Sk	Water Gal/Sk						
		# of Sacks	Type	Additives						
		Weight PPG	Yield Ft3/Sk	Water Gal/Sk						
	Spacer or Flush	Quantity <b>10 BBL</b>	Type <b>WATER</b>	Additives <b>AHEAD OF CEMENT</b>						
	Spacer or Flush	Quantity	Type	Additives						
Other	Quantity	Type	Additives							
Remarks/HSE	<b>"ELIMINATE UNPLANNED EVENTS"</b> <b>WEAR ALL PPE EQUIPMENT ON LOCATION AT ALL TIMES - THINK SAFETY FIRST - THANK YOU FOR YOUR EFFORTS</b>									
Sales Items	Casing Size <b>5 1/2</b>		Casing Weight <b>15.5#</b>		Thread <b>8 RD</b>					
	Guide Shoe <b>REGULAR</b>		Float Shoe		Float Collar		Insert Float Valve			
	Centralizers - Number <b>10 EACH</b>		Size <b>5 1/2 X 7 7/8</b>		Type <b>S-4</b>					
	Wall Cleaners - Number		Type		MSC (DV Tool)		Latch Down Plug Set			
	Limit Clamps		Weld-A <b>1 EACH</b>		Other <b>3-WIPER LATCH DOWN PLUG &amp; BAFFLE</b>					
Remarks <b>F/E ON LOCATION</b>										
Customer Rep. <b>RAMONE</b>		Cell Phone <b>620-391-0411</b>		Office Phone <b>RIG 620-272-2032</b>		Fax		Time of Call <b>1300 9/14/04</b>		
Call Taken By <b>LARRY / DON</b>						Date Ready <b>9/15/04</b>		Time Ready <b>WC</b>		
Operator or Driver Called						Time				

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