

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

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. _____

<u>9-12-04</u>	<u>9-13-04</u>	<u>10-3-04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 081-21543-00-00
County: Haskell County, Kansas
SW_NW_SW_ Sec. 23 Twp. 29 S. R. 33 East West
1650' feet from S / N (circle one) Line of Section
4950' feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Wright Well #: 2-A (Replace)

Field Name: Hugoton - Chase Series

Producing Formation: Chase Series

Elevation: Ground: 2930' Kelly Bushing: 2937' KB

Total Depth: 2763' Plug Back Total Depth: 2760' KB

Amount of Surface Pipe Set and Cemented at 836' 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.

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: 10/14/04

Subscribed and sworn to before me this 14th day of October

20 04

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: Wright Well #: 2-A (Replace)
 Sec. 23 Twp. 29 S. R. 33 East West County: Haskell County, Kansas

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

Name	Top	Datum
T/Permian	765'	+2172'
T/Cedar Hills	1333'	+1604'
B/Stone Corral	1843'	+1094'
T/Hollenberg	2609'	+328'
T/Herrington	2638'	+299'
T/Krider	2662'	+275'
T/Winfield	2711'	+226'
Rotary Total Depth	2763'	+174'
Log Total Depth	2760'	+177'

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#	840' G.L.	HLC-PP	342	3% Cal. Chlor., 6% Halad
Production Pipe	7 7/8"	5 1/2"	14#	2760' G.L.	HLC-PP	495	3% Cal. Chlor., 6% Halad-322

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				

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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	2639' - 2647' KB KB=7'	Acid: 3000 Gallons of 15% FE-MCA Acid	
	2664' - 2674' KB (120 Total Holes)	and 80 Bbls. of 2% KCL Water	
	2686' - 2692' KB		
	2718' - 2724' KB	Frac Job: 60000# 16-30 Nitrogen Foam Frac	
		at 47 BPM ramped 1#-5#/Gallon	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8" EUE 8 RD	2719' G.L.	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
Pending Pipeline Connection			<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
		NA	NA		0.693

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

2639' - 2647' KB
2664' - 2674' KB
2686' - 2692' KB
2718' - 2724' KB

DRILLING & GEOLOGICAL SUMMARY

OPERATOR: Kansas Natural Gas, Inc. **KCC #:** 5269
WELL NAME: Wright #2-A **API #:** 15-081-21543
LOCATION: 1600' FSL, 4950' FEL sec23-T29S-R33W **COUNTY:** Haskell
ELEVATIONS: GL-2930', KB-2937' **TOTAL DEPTH:** 2763'
SPUD DATE: 09/12/2004 **DRILLING COMPLETED:** 09/13/2004
DRILLING CONTRACTOR: Cheyenne Drlg.-Rig#8 **KCC #:** 33375

SURFACE CASING SIZE: 8 5/8" **WEIGHT:** 24# **GRADE:** J-55 **DEPTH:** 846'
CEMENT: 217sx of Premium+ lite, 125sx of Premium+

CASING EQUIPMENT: "Texas" pattern shoe, baffle plate, 1 centralizer

COMMENTS: circulated 123sx cement to pit. Deviation-3/4°

PRODUCTION CASING SIZE: 5.5" **WEIGHT:** 14# **GRADE:** **DEPTH:** 2761' **1st STAGE CEMENT:** 370sx
Premium+ lite, 125sx Premium+.

2nd STAGE CEMENT:

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

COMMENTS: circulated 100 sx cement to pit. Deviation - 3/4°

OPEN-HOLE LOGS: none

CASED-HOLE LOGS: GRN-CCL

SIGNIFICANT DEPTHS: (log depths measured from-KB @ 2937')

horizon	depth	datum	remarks
T/Permian	765'	+2172'	
T/Cedar Hills	1333'	+1604'	
B/Stone Corral	1843'	+1094'	
T/Hollenberg	2609'	+ 328'	
T/Herington	2638'	+ 299'	perforated 2639'-2647'
T/Krider	2662'	+ 275'	perforated 2664'-74', 2686'-92'
T/Winfield	2711'	+ 226'	perforated 2718'-24'
Rotary total depth	2763'	+ 174'	
Log Total depth	2760'	+ 177'	

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PERFORATIONS: 2639'-2647', 2664'-2674', 2686'-2692', 2718'-2724' (all w/4spf).

ACID TREATMENTS: 3000 gallons 15% FE-MCA acid at average rate of 6 bpm at average pressure of 120#, with maximum pressure of 143#. ISIP was 0# and a vacuum in 5 minutes.

FRACTURE TREATMENTS: 32,704 gallons of 70Q N₂ foam; 60,800# of 16/30 sand. Treated at average rate of 45bpm at an average pressure of 1050#. maximum treating pressure was 1145#.

REMARKS: ran tubing, rods, and pump on 10/03/2004. shut in, waiting on flow test.



Ron Osterbuhr
10/08/2004

HALLIBURTON JOB SUMMARY		CUSTOMER REP / PHONE 3284668	TICKET DATE 09/12/04
REGION Central Operations	MSA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks	COUNTY HASKELL
MRBU ID / EMPL # MCLIO104 212723	H.E.S. EMPLOYEE NAME JERRAKO EVANS	PSL DEPARTMENT Cement	
LOCATION LIBERAL, KS	COMPANY CHEYENNE DRILLING	CUSTOMER REP / PHONE 30 RAMONE	620-391-0411
TICKET AMOUNT	WELL TYPE 01 Oil	APIAAMI #	
WELL LOCATION SUBLETTE, KS	DEPARTMENT CEMENT SURFACE PIPE	SAP BOMB NUMBER 7521	Cement Surface Casing
LEASE NAME WRIGHT	Well No. 2 2-A	SEC / TWP / RNG 23 - 29S - 33W	HES FACILITY (CLOSEST TO WELL SITE) LIBERAL

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Evans, J 212723	4.8			
Pollock, T 106089	4.0			
Torres, J 295373	3.0			
Beasley, J 299920	3.0			

H.E.S. UNIT #'S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10415642	60			
10011407-10011306	60			
10011406-10011591	30			
10011392-10011277	30			

Form. Name _____ Type: _____	Date	Called Out 9/12/2004	On Location 9/12/2004	Job Started 9/12/2004	Job Completed 9/12/2004
Form. Thickness _____ From _____ To _____	Time	1330	1900	2030	2130
Packer Type _____ Set At _____					
Bottom Hole Temp. _____ Pressure _____					
Retainer Depth _____ Total Depth _____					

Type and Size	Qty	Make
Float Collar INSERT	1	HOWCO
Float Shoe FILL UP	1	HOWCO
Centralizers S-4	3	HOWCO
Top Plug WOODEN	1	HOWCO
HEAD PC	1	HOWCO
Limit clamp		HOWCO
Weld-A	1	HOWCO
Guide Shoe		HOWCO
BTM PLUG		HOWCO

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing	NEW	24#	8 5/8		0	836	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			12 1/4			836	Shots/Ft
Perforations							
Perforations							
Perforations							

Materials		Density	Lb/Gal
Mud Type			
Disp. Fluid			
Prop. Type	Size	Lb	
Prop. Type	Size	Lb	
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
Breaker	Gal/Lb	In	
Blocking Agent	Gal/Lb		
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/12	3.0	9/12	6.0	Cement Surface Casing
Total	3.0	Total	6.0	

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Ordered _____	Hydraulic Horsepower Avail. _____	Used _____
Treating _____	Average Rates in BPM Disp. _____	Overall _____
Feet 21	Cement Left in Pipe Reason _____	SHOE JOINT

Cement Data					W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Bulk/Sks	Additives			
1	270	HLC PP		3% CC - 1/2# FLOCELE	11.41	2.06	12.30
2	125	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

Summary							
Circulating _____	Displacement _____	Preflush: BBI _____	Type: _____				
Breakdown _____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____	Pad:Bbl -Gal _____				
Lost Returns _____	Lost Returns-↑ _____	Excess /Return BBI _____	Calc.Disp Bbl _____				
Cmt Rtm#Bbl _____	Actual TOC _____	Calc. TOC: _____	Actual Disp. _____				
Average _____	Frac. Gradient _____	Treatment: Gal - BBI _____	Disp:Bbl _____				
Shut In: Instant _____	5 Min. _____ 15 Min. _____	Cement Slurry BBI _____	129.0				
		Total Volume BBI _____	181.00				

Frac Ring #1 _____	Frac Ring #2 _____	Frac Ring #3 _____	Frac Ring #4 _____
THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER REPRESENTATIVE <u>CHEYENNE DRILLING Riq #8</u> 9/12/04 SIGNATURE			

9-13-04
CEMENT LONG STRING
WRIGHT #2-A

CHEYENNE DRILLING

WRIGHT

2-A

API Well No.:

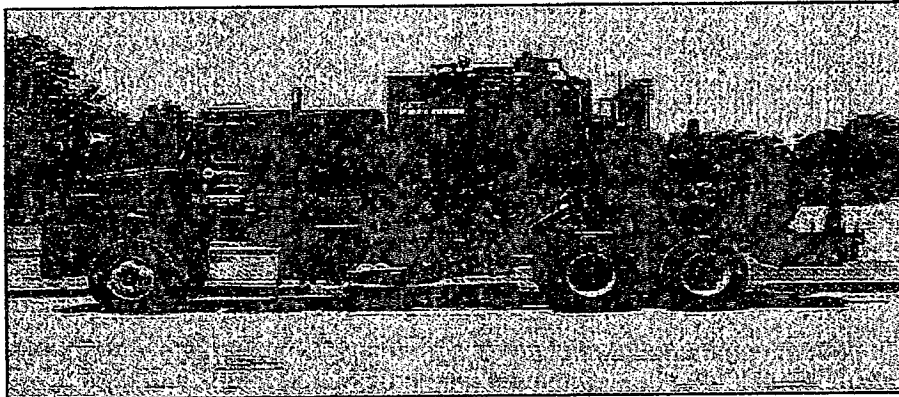
15-081-21543

State

MC/Ks

County

HASKELL



Cement Production Casing

5 1/2

Customer Representative:

TP - PHIL LOYD

Halliburton Operator:

Scott Green

Ticket No.:

3284525

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HALLIBURTON

LIBERATION JOB SUMMARY

3284525

09/13/04

al Operations		MVA / COUNTRY Mid Contitnent/USA		BDA / STATE MC/Ks		COUNTY HASKELL	
MPL # 10101 301261		H.E.S. EMPLOYEE NAME Scott Green		PSL DEPARTMENT Cement			
CON BERAL		COMPANY CHEYENNE DRILLING		CUSTOMER REP / PHONE TP - PHIL LOYD 620-391-0411			
CHECK AMOUNT \$12,500.16		WELL TYPE 01 Oil		API/WMI # 15-081-21543			
WELL LOCATION Sublette, Ks		DEPARTMENT Cement PRODUCTION PIPE		SAP BOMB NUMBER 7523		Cement Production Casing	
LEASE NAME WRIGHT		Well No. 2-A		SEC / TWP / RNG 23 - 29S - 33W		HES FACILITY (CLOSEST TO WELL SITE) Liberal Ks	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
Green, S 301261	4.0	Torres, J 295373	5.0	
Smith, B 106036	6.0			
Archuleta, M 226381	4.0			
Heston, H 318412	4.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
10547695	60	10010758 / 10011590	30	
10251401	60			
10243558 / 10011278	30			

Form. Name _____ Type: _____	Date	Called Out	On Location	Job Started	Job Completed
Form. Thickness _____ From _____ To _____		9/13/2004	9/13/2004	9/13/2004	9/13/2004
Packer Type _____ Set At _____	Time	1630	1930	2300	2355
Bottom Hole Temp. _____ Pressure _____					
Retainer Depth _____ Total Depth 2,762'					

Type and Size	Qty	Make
LD Baffle 5 1/2"	1	Howco
Float Shoe		Howco
Centralizers 5 1/2" X 7 7/8"	10	Howco
LD Plug 3W 5 1/2"	1	Howco
HEAD 5 1/2"	1	Howco
Limit clamp		Howco
Weld-A	1	Howco
Guide Shoe 5 1/2"	1	Howco
BTM PLUG		Howco

		Well Data					
	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	14.0#	5 1/2		0	2,764	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			7 7/8		840	2,762	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type _____	Density _____	Lb/Gal _____	
Disp. Fluid _____	Density _____	Lb/Gal _____	
Prop. Type _____	Size _____	Lb _____	
Prop. Type _____	Size _____	Lb _____	
Acid Type _____	Gal. _____	% _____	
Acid Type _____	Gal. _____	% _____	
Surfactant _____	Gal. _____	In _____	
NE Agent _____	Gal. _____	In _____	
Fluid Loss _____	Gal/Lb _____	In _____	
Gelling Agent _____	Gal/Lb _____	In _____	
Fric. Red. _____	Gal/Lb _____	In _____	
Breaker _____	Gal/Lb _____	In _____	
Blocking Agent _____	Gal/Lb _____		
Perfpac Balls _____	Qty. _____		
Other _____			
Other _____			
Other _____			
Other _____			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
9/13	5.0	9/13	1.5	Cement Production Casing
9/14	1.0	9/14	0	
Total	6.0	Total	1.5	

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Ordered _____	Hydraulic Horsepower _____	Used _____
Treating _____	Average Rates in BPM _____	Overall _____
Feet _____	Cement Left in Pipe _____	Reason _____

Cement Data							
Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	370	HLC PP		1/4# FLOCELE	11.28	2.02	12.30
2	125	PREM PLUS		.6% HALAD-322 - 1/4# FLOCELE	6.30	1.32	14.80
3							
4							

Summary							
Circulating _____	Displacement _____	Preflush: BBI _____	10.00	Type: _____	water		
Breakdown _____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____		Pad:Bbl - Gal _____			
Lost Returns-) _____	Lost Returns-) _____	Excess /Return BBI _____		Calc. Disp Bbl _____	67.4		
Cmt Rtrn#Bbl _____	Actual TOC _____	surface _____		Actual Disp. _____	67		
Average _____	Frac. Gradient _____	Treatment: Gal - BBI _____		Disp:Bbl _____			
Shut In: Instant _____	5 Min. _____	Cement Slurry BBI _____		LS - 133 / TS - 29 _____			
	15 Min _____	Total Volume BBI _____	239.00				

Frac Ring #1 _____	Frac Ring #2 _____	Frac Ring #3 _____	Frac Ring #4 _____
THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER REPRESENTATIVE _____ SIGNATURE _____			

