



Operator Name: Kansas Natural Gas Operating, Inc. Lease Name: H. McCoy Well #: 1-2A (Replace)  
 Sec. 36 Twp. 29 S. R. 33  East  West County: Haskell

**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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  (Dual - spaced gamma ray neutron log)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>B/Stone Corral</td> <td>1858'</td> <td>+1080'</td> </tr> <tr> <td>T/Hollen Berg</td> <td>2621'</td> <td>+317'</td> </tr> <tr> <td>T/Herrington</td> <td>2651'</td> <td>+287'</td> </tr> <tr> <td>T/Krider</td> <td>2678'</td> <td>+260'</td> </tr> <tr> <td>T/Odell</td> <td>2712'</td> <td>+226'</td> </tr> <tr> <td>Rotary Total Depth</td> <td>2735'</td> <td>+203'</td> </tr> <tr> <td>Log Total Depth</td> <td>2733'</td> <td>+201'</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	B/Stone Corral	1858'	+1080'	T/Hollen Berg	2621'	+317'	T/Herrington	2651'	+287'	T/Krider	2678'	+260'	T/Odell	2712'	+226'	Rotary Total Depth	2735'	+203'	Log Total Depth	2733'	+201'
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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#	759' KB	Common	450	10% Salt-5% Cal Set
Production Pipe	7 7/8"	5 1/2"	15.5#	2738' KB	Common	450	10% Salt-5% Cal Set

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
(4) Shot P/Foot	2655'-2663' KB	(Acid:) 1800 Gallons 15% FE-MCA and 100 Bbls of 2% KCL Water flush.	
	2685'-2695' KB		
		(Frac Job:) 61,000# of 16/30 Sand. w/ 290 Bbls treated water	
	KB = 7' (72) Total Shots	and 277,000' SCF N-2.	

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2 3/8" EUE 8 RD Tubing	2697' G.L.	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
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
			NA		NA			0.7060

Disposition of Gas		METHOD OF COMPLETION		Production Interval	
<input type="checkbox"/> Vented	<input type="checkbox"/> Sold	<input checked="" type="checkbox"/> Used on Lease	<input type="checkbox"/> Open Hole	<input checked="" type="checkbox"/> Perf.	<input type="checkbox"/> Dually Comp.
<i>(If vented, Submit ACO-18.)</i>		<input type="checkbox"/> Other (Specify)	<input type="checkbox"/> Commingled	2655'-2663' KB	
				2685'-2695' KB	

RECEIVED  
 JUN 15 2006  
 KCC WICHITA

# ALLIED CEMENTING CO., INC.

Federal Tax I.D.#

REM TO PO BOX 31  
RUSSELL KANSAS 67665

8.518" 24"  
(CEMENT SURFACE PIPE)

SERVICE POINT  
DARLEY

DATE	SEC	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
5/15/06	36	29S	33W		5:30 AM	8:30 AM	7:30 PM
LEASE	WELL #	LOCATION		COUNTY	STATE		
H.M.C. Co.	1-27	SUBLETTE 1W-1/2W-5 IN		HASKELL	KS		
OED OR NEW (Circle one)							

CONTRACTOR CHEYENNE DRILL RIGS OWNER KANSAS NATURAL GAS OPERATING, INC.

TYPE OF JOB SURFACE  
HOLE SIZE 12 1/4" I.D. 760'  
CASING SIZE 8 7/8" DEPTH 760'  
TUBING SIZE DEPTH  
DRILL PIPE DEPTH  
TOOL DEPTH  
PRES. MAX MINIMUM  
MEAS. LINE SHOE JOINT 41.50'  
CEMENT LEFT IN CSG 41.50'  
PERFS.  
DISPLACEMENT 46 3/4 BBL.

CEMENT  
AMOUNT ORDERED 125 SKS COM 3% CC  
325 SKS LITE 3% CC 1/2" FLO-SEAL

COMMON	125 SKS	@ 11.20	1375.00
POZMIX		@	
GEL		@	
CHLORIDE	14 SKS	@ 42.00	588.00
ASC		@	
LITE	325 SKS	@ 10.20	3315.00
FLO-SEAL	163 #	@ 1.80	293.40
HANDLING	484 SKS	@ 1.70	822.80
MILEAGE	76 PER SK / mile		1185.00
			TOTAL 7590.00

**EQUIPMENT**

PUMP TRUCK CEMENTER FERRY  
# 191 HELPER WAYNE  
BULK TRUCK  
# 399 DRIVER MIKE  
BULK TRUCK  
# 377 DRIVER KELLY

**REMARKS:**

MIX 325 SKS LITE 3% CC 1/2" FLO-SEAL  
125 SKS COM 3% CC. DISPLACE  
WITH 46 3/4 BBL. PLUG & LAWD  
AT 9:00 PST.  
FLOAT HELD.  
(60 SACKS TO AT CIRCULATED)

THANK YOU

CHARGE TO CHEYENNE DRILL CO.  
STREET  
CITY STATE ZIP

(CIRCULATED BACK APPROXIMATELY)  
60 SACKS TO AT  
ON SURFACE

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment  
and furnish cementer and helper to assist owner or  
contractor to do work as is listed. The above work was

**SERVICE**

DEPTH OF JOB 760'  
PUMP TRUCK CHARGE 735.00  
EXTRA FOOTAGE 460' @ 1.60 736.00  
MILEAGE 35 MI @ 5.00 175.00  
MANIFOLD @

**RECEIVED**

JUN 15 2006

TOTAL 1186.00

**KCC WICHITA**

8 7/8" PLUG & FLOAT EQUIPMENT

1- AFU INSERT 325.00  
3- CENTRALIZERS @ 55.00 165.00  
1- RUBBER PLUG @ 100.00

# ALLIED CEMENTING CO., INC. 24037

Federal Tax I.D.:

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: OAKLEY

DATE <u>5-16-06</u>	SEC <u>36</u>	TWP <u>29S</u>	RANGE <u>33W</u>	CALLED OUT	ON LOCATION <u>8:30 PM</u>	JOB START <u>11:00 PM</u>	JOB FINISH <u>12:00 AM</u>
LEASE <u>7-11-00-01</u>	WELL # <u>1-2A</u>	LOCATION <u>SUBLETTE 10-1/2W-5 IN</u>			COUNTY <u>HASKELL</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<del>15' 1/2" PLUG</del>			

CONTRACTOR CHEYENNE DRILL RIG # 8  
 TYPE OF JOB PRODUCTION STRING  
 HOLE SIZE 7 7/8" T.D. 2740'  
 CASING SIZE 5 1/2" - 155' DEPTH 2740'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG \_\_\_\_\_  
 PERFS \_\_\_\_\_  
 DISPLACEMENT 66.85'

OWNER KANSAS NATURAL GAS OPER, INC.

CEMENT AMOUNT ORDERED 150 SKS CLASS "C"  
275 SKS LITE 1/4" FLO-SEAL

<u>CLASS "C"</u>	<u>150 SKS</u>	@	<u>13.25</u>	<u>1987.50</u>
<del>CONCRETE</del>		@		
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
		@		
<u>LITE 275 SKS</u>		@	<u>9.10</u>	<u>2667.50</u>
		@		
<u>FLO-SEAL 69#</u>		@	<u>1.80</u>	<u>124.20</u>
		@		
		@		
		@		
HANDLING <u>447 SKS</u>		@	<u>1.70</u>	<u>759.90</u>
MILEAGE <u>7¢ PER SKI MILE</u>				<u>1095.15</u>
TOTAL				<u>6634.25</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER TERRY  
 # 191 HELPER WAYNE  
 BULK TRUCK  
 # 347 DRIVER MIKE  
 BULK TRUCK  
 # 218 DRIVER LARRY

**REMARKS:**

MAX 275 SKS LITE 1/4" FLO-SEAL  
150 SKS CLASS "C". WASH TRUCK  
+ LINES. DISPLACE 66.85' BBLs WATER.  
CIRC. 75 SKS TO PIT  
FINAL LEFT PRESSURE 1100PSI.  
PLUG LANDED AT 1700 PSI.  
CEMENT DID CIRC.  
LATCH DOWN HELD.  
THANK YOU

**SERVICE**

DEPTH OF JOB	<u>2740'</u>		
PUMP TRUCK CHARGE			<u>1450.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>35 MI</u>	@	<u>5.25</u> <u>175.00</u>
MANIFOLD		@	
		@	
<b>RECEIVED</b>			

JUN 15 2006

KCC WICHITA

TOTAL 1625.00

CHARGE TO: CHEYENNE DRILL, CO.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

(5 1/2" PRODUCTION CASING Cement Job.)  
RETURNED 75 SACKS TO PIT.

**5 1/2" PLUG & FLOAT EQUIPMENT**

<u>1-GUIDE SHOE</u>			<u>160.00</u>
<u>1-LATCH DOWN PLUG ASSY</u>			<u>350.00</u>
<u>10-CENT RAPEZERS</u>	@	<u>50.00</u>	<u>500.00</u>
	@		
	@		
	@		

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment  
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## DRILLING & GEOLOGICAL SUMMARY

**OPERATOR:** Kansas Natural Gas, Inc. **KCC #:** 5269  
**WELL NAME:** McCoy #1-2A **API #:** 15-081-21642  
**LOCATION:** 5080' FSL, 2840' FEL sec36-T29S-R33W **COUNTY:** Haskell  
**ELEVATIONS:** GL-2932', KB-2938' **TOTAL DEPTH:** 2735'  
**SPUD DATE:** 05/15/2006 **DRILLING COMPLETED:** 05/16/2006  
**DRILLING CONTRACTOR:** Cheyenne Drlg.-Rig#8 **KCC #:** 33375

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**SURFACE CASING SIZE:** 8 5/8" **WEIGHT:** 24# **GRADE:** J-55 **DEPTH:** 759'  
**CEMENT:** 325sx of LITE, 125sx of Common

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

**COMMENTS:** circulated 60sx cement to pit. Deviation-1°

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**PRODUCTION CASING SIZE:** 5.5" **WEIGHT:** 15# **GRADE:** J-55 **DEPTH:** 2738'  
**1st STAGE CEMENT:** 275sx LITE, 150sx Class C

**2nd STAGE CEMENT:**

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

**COMMENTS:** circulated 75 sx cement to pit. Deviation - 1°

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**OPEN-HOLE LOGS:** none

**CASED-HOLE LOGS:** G/R-DSN-CCL

**SIGNIFICANT DEPTHS:** (log depths measured from-KB @ 2938')

horizon	depth	datum	remarks
B/Stone Corral	1858'	+1080'	
T/Hollenberg	2621'	+ 317'	
T/Herington	2651'	+ 287'	perforated 2655'-2663'
T/Krider	2678'	+ 260'	perforated 2685'-2695'
T/Odell	2712'	+ 226'	
Rotary total depth	2735'	+ 203'	
Log Total depth	2733'	+ 201'	

**PERFORATIONS:** 2655'-2663', 2685'-2695' (all w/4spf).


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**ACID TREATMENTS:** 1800 gallons 15% FE-MCA acid at average rate of 5 bpm at average pressure of 471#, with maximum pressure of 1735#. ISIP was 0#.

**FRACTURE TREATMENTS:** 61,000# 16-30 sand; 290 bbls treated water; 277,000 scf N<sub>2</sub>.

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**REMARKS:**

  
Ron Osterbuhr  
06/2006

RECEIVED  
JUN 15 2006  
KCC WICHITA

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**OPEN-HOLE LOGS:** none

**CASED-HOLE LOGS:** G/R-DSN-CCL

**SIGNIFICANT DEPTHS:** (log depths measured from-KB @ 2938')

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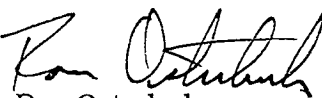
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**REMARKS:**

  
Ron Osterbuhr  
06/2006

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KANSAS CORPORATION COMMISSION

NOV 08 2007

CONSERVATION DIVISION  
WICHITA KS