



Operator Name: Mid-Continent Energy Operating Company Lease Name: MUMMA Well #: 1-22  
 Sec. 22 Twp. 19 S. R. 29  East  West County: Lane

**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 (Attach Additional Sheets)  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 (Submit Copy)  List All E. Logs Run: <i>DIL CDL/CNL MEL NOT RUN PER OPER.</i>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> <tr> <td>Stone Corral</td> <td>2174</td> <td>+671</td> </tr> <tr> <td>Heebner</td> <td>3979</td> <td>-1134</td> </tr> <tr> <td>Stark</td> <td>4317</td> <td>-1469</td> </tr> <tr> <td>Labette</td> <td>4547</td> <td>-1702</td> </tr> <tr> <td>Mississippi</td> <td>4634</td> <td>-1789</td> </tr> </table>	Name	Top	Datum	Stone Corral	2174	+671	Heebner	3979	-1134	Stark	4317	-1469	Labette	4547	-1702	Mississippi	4634	-1789
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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	12-1/4"	8-5/8"	23	306'	60/40 Poz	170	2% gel, 3% CC

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
		RECEIVED KANSAS CORPORATION COMMISSION DEC 10 2009 CONSERVATION DIVISION WICHITA, KS	

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. _____		Producing Method: <input type="checkbox"/> Flowing <input 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# ALLIED CEMENTING CO., LLC. 007025

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

SERVICE POINT:  
Great Bend KS

DATE <u>9-10-09</u>	SEC. <u>22</u>	TWP. <u>19</u>	RANGE <u>29</u>	CALLED OUT	ON LOCATION	JOB START <u>5:15am</u>	JOB FINISH <u>6:15am</u>
Mumma LEASE		WELL# <u>1-22</u>		LOCATION <u>Dighton KS (South 3 West Lane</u>		COUNTY STATE <u>KS</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one)				<u>1/4 South East into.</u>			

CONTRACTOR Val Rig #4  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 7 7/8 I.D. 4730'  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 XH DEPTH 2190'  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 3005K 60/40 4% GEL 1/4" FLO  
 COMMON 180 @ 13.50 2430.00  
 POZMIX 120 @ 7.55 906.00  
 GEL 10 @ 20.25 202.50  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
Flo Seal 754 @ 2.45 183.75  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING 75 @ 2.40 180.00  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_ 45.00  
 TOTAL 3947.25

EQUIPMENT  
 PUMP TRUCK CEMENTER John Roberts  
 # 181 HELPER Wade Gabel  
 BULK TRUCK  
 # 344/170 DRIVER Alvin  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
50sk @ 2190'  
80sk @ 1410'  
50sk @ 690'  
50sk @ 330'  
20sk @ 60'  
20sk Mouse hole  
30sk Rathole

*Thank You!*

CHARGE TO: Mid-Continent Energy  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE KANSAS CORPORATION COMMISSION

DEC 10 2009

To Allied Cementing Co., LLC. CONSERVATION DIVISION  
 WICHITA, KS  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Randy D Martin  
 SIGNATURE Randy D Martin

SERVICE  
 DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_ 790.00  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 6 @ 7.00 42.00  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL 1033.00

PLUG & FLOAT EQUIPMENT  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

SALES TAX (if Any) \_\_\_\_\_  
 TOTAL CHARGES 1033.00  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS