



Operator Name: Ritchie Exploration, Inc. Lease Name: Gum-Northcutt Well #: 1  
 Sec. 3 Twp. 27 S. R. 23  East  West County: Ford

**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 type="checkbox"/> Yes <input checked="" 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 Induction Log Compensated Density/Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum  SEE ATTACHED  <div style="text-align: right; font-weight: bold; font-size: 1.2em;">                     KCC                      SEP 14 2009                      CONFIDENTIAL                 </div>
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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#	443'	60/40 Poz	325	3%cc, 2%gel

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 <i>(Amount and Kind of Material Used)</i>	Depth

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 <i>(If vented, Submit ACO-18.)</i>	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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**#1 Gum-Northcutt**

1214' FNL & 627' FEL

106' N & 33' E of E/2 NE Section 3-27S-23W

Ford County, Kansas

API# 15-057-20636-0000

Elevation: 2469' GL: 2481' KB

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<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Chase Herrington	N/A			
Stotler	3525'	-1044	+21	
Heebner	4170'	-1689	+29	
Lansing	4292'	-1811	+34	
Stark Shale	4614'	-2133	+38	
Pawnee	4816'	-2335	+54	
Cherokee Shale	4855'	-2374	+55	
Atoka Shale	4960'	-2479	+53	
Mississippian	4978'	-2497	+52	
RTD	5110'	-2629		

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# ALLIED CEMENTING CO., LLC. 34340

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

SERVICE POINT:  
*Mudwin Lodge*

DATE <i>6-20-05</i>	SEC. <i>3</i>	TWP. <i>27S</i>	RANGE <i>23W</i>	CALLED OUT <i>2:00 pm</i>	ON LOCATION <i>6:00 pm</i>	JOB START <i>8:00 pm</i>	JOB FINISH <i>9:00 pm</i>
LEASE <i>Gum. nonrent</i>	WELL # <i>1</i>	LOCATION <i>Forz ks, West on Hwy 400</i>			COUNTY <i>Forz</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one) <u>NEW</u>		<i>to Rd 123, 3 1/2 N, 1 W, 1/4 S, W1/4</i>					

CONTRACTOR *Duke #1* OWNER *Ritchie Exploration*

TYPE OF JOB *Surface*

HOLE SIZE <i>12 1/4</i>	T.D. <i>443</i>
CASING SIZE <i>8 3/4</i>	DEPTH <i>443</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <i>20'</i>	
PERFS.	
DISPLACEMENT <i>27 bbls of Freshwater</i>	

CEMENT AMOUNT ORDERED *325sx Class A + 3% CC + 2% gel*

EQUIPMENT

PUMP TRUCK CEMENTER <i>Darin F</i>
# <i>352</i> HELPER <i>Douglas F</i>
BULK TRUCK
# <i>381/250</i> DRIVER <i>Scott P.</i>
BULK TRUCK
# DRIVER

COMMON <i>A 325</i>	@ <i>15.45</i>	<i>5021.25</i>
POZMIX	@	
GEL <i>6 sx</i>	@ <i>20.80</i>	<i>124.80</i>
CHLORIDE <i>11 sx</i>	@ <i>58.20</i>	<i>640.20</i>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <i>325</i>	@ <i>2.40</i>	<i>780.00</i>
MILEAGE <i>325/35/.10</i>		<i>1137.50</i>
TOTAL		<i>7703.75</i>

REMARKS:  
*Pipe on bottom & break circulation  
Mix 325 of cement, Shutdown  
Release Plug, Start displacement  
Pump 27 bbls & Shut in, Cement  
die circulate*

SERVICE

DEPTH OF JOB <i>443</i>		
PUMP TRUCK CHARGE		<i>1018.00</i>
EXTRA FOOTAGE	@	
MILEAGE <i>35</i>	@ <i>7.00</i>	<i>245.00</i>
MANIFOLD	@	
<i>Head retail</i>	@	
	@	

CHARGE TO: *Ritchie Exploration*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL *1263.00*

PLUG & FLOAT EQUIPMENT

<i>8 5/8</i>		
1-Rubber Plug	@	<i>113.00</i>
	@	
	@	
	@	
	@	
TOTAL		<i>113.00</i>

To Allied Cementing Co., LLC.  
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 *\*Mike Coffey*

SIGNATURE *\*Mike Coffey*

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

**KCC**  
SEP 14 2009  
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SEP 16 2009  
KCC WICHITA

# ALLIED CEMENTING CO., LLC. 34342

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

SERVICE POINT:  
*Med. C. no Lubso*

DATE <i>6-28-09</i>	SEC <i>3</i>	TWP <i>27s</i>	RANGE <i>23W</i>	CALLED OUT <i>5:00pm</i>	ON LOCATION <i>6:00pm</i>	JOB START <i>4:00am</i>	JOB FINISH <i>5:00am</i>
LEASE <i>Gun-Normin</i>		WELL# <i>1</i>	LOCATION <i>Fort, ks Hwy 400 rd R2</i>		COUNTY <i>Fort</i>	STATE <i>KS</i>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<i>123, 3N, 1W, 4s, w, n, o</i>				

CONTRACTOR *Duke H1*  
 TYPE OF JOB *Rosier Plus*  
 HOLE SIZE *7 7/8* T.D. *1410'*  
 CASING SIZE *8 5/8* DEPTH *1100*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT *10 bbls of mix, 3 bbls water*

OWNER *Ritchie Exploration*  
 CEMENT AMOUNT ORDERED *250, 60, 40, 4*

EQUIPMENT  
 PUMP TRUCK CEMENTER *Darin F*  
 # *411/302* HELPER *Greg G*  
 BULK TRUCK  
 # *421/251* DRIVER *Darin F*  
 BULK TRUCK  
 # DRIVER

COMMON	<i>150</i>	<i>5X</i>	@ <i>15.45</i>	<i>2317.50</i>
POZMIX	<i>100</i>	<i>5X</i>	@ <i>8.00</i>	<i>800.00</i>
GEL	<i>9</i>	<i>5X</i>	@ <i>20.80</i>	<i>187.20</i>
CHLORIDE			@	
ASC			@	
HANDLING	<i>250</i>		@ <i>2.40</i>	<i>600.00</i>
MILEAGE	<i>250/35/10</i>			<i>875.00</i>
TOTAL				<i>4779.70</i>

REMARKS:

*1st plus - 1410', Pump & bbls water shear  
 mix 50% of cement, Displace 10 bbls of mix  
 3 bbls of water, 2nd plus - 900' - Pump & bbls  
 of water shear, mix 50% of cement, Displace  
 5 bbls of water, 3rd plus - 460' - Pump & bbls  
 shear, mix 50% of cement, Displace 1/2 bbls  
 water, 4th plus - 60' mix 20% of cement  
 Remainder mix 30% of cement, no shear, mix  
 20% of cement*

SERVICE

DEPTH OF JOB	<i>1410'</i>			
PUMP TRUCK CHARGE				<i>1017.00</i>
EXTRA FOOTAGE		@		
MILEAGE	<i>35</i>	@	<i>7.00</i>	<i>245.00</i>
MANIFOLD		@		

CHARGE TO: *Ritchie Exploration*  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL *1262.00*

PLUG & FLOAT EQUIPMENT

	@		
<i>None</i>	@		
	@		
	@		
TOTAL _____			

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PRINTED NAME *K Gary E. Thorp*  
 SIGNATURE *x Gary E Thorp*

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES *[scribble]*  
 DISCOUNT *[scribble]* IF PAID IN 30 DAYS

KCC  
 SEP 14 2009  
 CONFIDENTIAL

RECEIVED  
 SEP 16 2009  
 KCC WICHITA