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KCC WICHITA

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC
SEP 08 2005

CONFIDENTIAL

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

ORIGINAL

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P. O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: NCRA
Operator Contact Person: John Niernberger
Phone: (316) 691-9500
Contractor: Name: _____
License: _____
Wellsite Geologist: _____

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: Ritchie Exploration, Inc.
Well Name: Nanette Hilgers # 2
Original Comp. Date: 10/13/92 Original Total Depth: 3701'
 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. _____

5/16/05 5/23/05 5/23/05
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 163-23211-00-04
County: Graham
____ SE ____ NW ____ NW Sec. 28 Twp. 06 S. R. 20 East West
990' feet from S / (circle one) Line of Section
990' feet from E / (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Hilgers, Nanette Well #: 2
Field Name: Todd East

Producing Formation: Arbuckle
Elevation: Ground: 2218' Kelly Bushing: 2223'
Total Depth: 3715' Plug Back Total Depth: 3715'
Amount of Surface Pipe Set and Cemented at 205' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1786' Feet
If Alternate II completion, cement circulated from 1786'
feet depth to 250' w/ 390 sx cmt.

Drilling Fluid Management Plan ALT II WFM
(Data must be collected from the Reserve Pit) 4-24-07
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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: _____
Title: Production Manager Date: 09-07-05

Subscribed and sworn to before me this 8 day of September

20 05

Notary Public: Jennifer L. Lukoschat

Date Commission Expires: 10-14-07

Jennifer L. Lukoschat
Notary Public - State of Kansas
My Appt. Expires 10-14-07

KCC Office Use ONLY

YES Letter of Confidentiality Received
If Denied, Yes Date: _____
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

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Side Two

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Operator Name: **Ritchie Exploration, Inc.**

Lease Name: **Hilgers, Nanette**

Well #: **2**

Sec. **28** Twp. **06** S. R. **20** East West

County: **Graham**

ORIGINAL

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:

Radiation Guard Log

Log Formation (Top), Depth and Datum Sample
Name Top Datum

See Attached Document

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"	28#	205'	60/40 pozmix	180	2% gel, 3%CC
Production	7 7/8"	5 1/2"	14#	3695'	60/40 pozmix	110	10% salt, 3% Gilsomite

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
None, 3	3695'-3701'(Arb. O.H.) 10/94; 3684'-93'(Arb. Perfs) 7/94	300 gals 15% Acid; None	
None, None	3701'-06' (Arb. O.H.) 10/95; 3706'-12' (Arb. O.H.) 12/97	None; None	
4	3679'-3684' (Arbuckle Perfs) 5/05	1250 gals 15% Acid	
4	3693'-3700' (Arbuckle Perfs) 5/05	1250 gals 15% Acid	
None	3712'-3715' (Arbuckle Open Hole) 5/05	None	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8"	3695'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
05/24/05		<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
	24		38		

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 _____

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~~RITCHIE EXPLORATION, INC~~

RITCHIE EXPLORATION, INC.
PO BOX 783188
WICHITA, KS 67278-3188

#2 Nanette Hilgers
SE NW NW
Section 28-6S-20W
Rooks County, Kansas
API# 15-163-23,211

~~Wichita, Kansas 67202-1799~~
~~316 267 4376 FAX 316 267 3036~~

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ELECTRIC LOG TOPS

Anhydrite	1813' (+ 410)
B/Anhydrite	1846' (+ 377)
Topeka	3213' (- 990)
Heebner	3414' (-1191)
Toronto	3438' (-1215)
Lansing	3451' (-1228)
B/KC	3643' (-1420)
Ero. Arb.	Absent
Arbuckle	3678' (-1455)
LTD	3697' (-1474)

DST #1 from 3414' to 3470' (Toronto and Top Zone). Recovered 5' mud, no show of oil.

IFP:67-67#/30"; ISIP:76#/30";
FFP:67-67#/30"; FSIP:67#/30".

DST #2 from 3563' to 3650' (140' - 220' zones). Recovered 10' oil and water cut mud (25% oil, 25% water, 50% mud) and 60' oil cut watery mud (30% oil, 15% water, 55% mud).

IFP:86-86#/45"; ISIP:884#/45";
FFP:96-105#/45"; FSIP:884#/45".

DST #3 from 3680' to 3694' (Erosional Arbuckle/Arbuckle). Recovered 600' gas in pipe and 900' clean gassy oil.

IFP:67-221#/30"; ISIP:836#/45";
FFP:307-346#/30"; FSIP:788#/45".

DST #4 from 3694' to 3701' (Arbuckle). Recovered 430' clean gassy oil.

IFP:48-105#/45"; ISIP:894#/45";
FFP:134-163#/45"; FSIP:846#/45".

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27, Russell, Kansas
-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

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ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

3352

CONFIDENTIAL

Sec.	fwp.	Range	Called Out	On Location	Job Start	Finish
9-19-92	28	6 ^s	20 ^w	3:15 P.M.	5:30 P.M.	6:00 P.M. 6:30 P.M.

Case *Nanette Hilgen* Well No. *2* Location *Logan 10^s 1/8^{SE}* County *Rooks* State *Ks.*

Contractor	<i>Munpin Dalg. Co.</i>		Rig # <i>8</i>
Type Job	<i>Set Surface Pipe</i>		
Hole Size	<i>12 1/4"</i>	T.D.	<i>206'</i>
Csg.	<i>8 7/8"</i>	Depth	<i>205'</i>
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	<i>12'</i>	Shoe Joint	
Press Max.		Minimum	<i>-</i>
Meas Line	<i>X</i>	Displace	<i>X</i>
Perf.			

EQUIPMENT

No.	Cementer	
Pumptrk <i>177</i>	Helper	<i>Gary H. Marlyn K.</i>
Pumptrk	Helper	
	Driver	<i>Paul D.</i>
Bulktrk <i>#212</i>	Driver	

Reference	Description	Amount
<i>#1</i>	<i>Pumptruck-surface</i>	<i>\$380.00</i>
<i>#13</i>	<i>mileage @ 2.00/mi.</i>	<i>68.00</i>
	<i>1-8 7/8" rubber plug</i>	<i>73.00</i>
	Sub Total	<i>\$521.00</i>
	Tax	
	Total	

Remarks: *Cement Circulated*

Owner *Same*
 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 listed.

Charge To *Ritchie Exploration, Inc.*
 Street *125 N. Market, Suite 1000*
 City *Wichita* State *Ks. 67202*

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *[Signature]*
 X *[Signature]*

CEMENT

Amount Ordered	<i>180 sks 6 3/4" @ 220 gal, 32 c.c.</i>	
Consisting of	<i>108</i>	<i>#594.00</i>
Common	<i>72 sks @ 5.50/sk</i>	<i>396.00</i>
Poz. Mix	<i>27 sks @ 2.50/sk</i>	<i>67.50</i>
Gel.	<i>3 sks</i>	<i>N/C</i>
Chloride	<i>5 sks @ 21.00/sk</i>	<i>105.00</i>
Quickset		

Handling	<i>2.00/sk (180 sks)</i>	<i>180.00</i>
Mileage	<i>2.04/mi (34 mi.)</i>	<i>244.80</i>
Sub Total		<i>\$1170.60</i>
Total		<i>1,303.80</i>

Floating Equipment *Thanks*

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SEP 24 1992

copy to [unclear]
9-28-92
[Signature]

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SEP 08 2005

ORIGINAL

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

CONFIDENTIAL New

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

2134

Home Office P. O. Box 31

Russell, Kansas 67665

9-26-92

Date	Sec.	[wp.	Range	Called Out	On Location	Job Start	Finish
9-25-92	28	6 ^s	20 ^w	4:00 P.M.	8:30 P.M.	12:05 A.M.	1:15 A.M.
Lease <i>Nanette Hilgans</i>		Well No. <i>2</i>		Location <i>Logan 10S 1/4 SE</i>		County <i>Rooks</i>	State <i>Ks.</i>

Contractor <i>Murfin Drlg. Co.</i>	Rig # <i>8</i>
Type Job <i>Production String</i>	
Hole Size <i>7 7/8"</i>	T.D. <i>3701'</i>
Csg. <i>5 1/2"</i>	Depth <i>3699'</i>
Csg. Size <i>8 3/8"</i>	Depth <i>205'</i>
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>18'</i>	Shoe Joint <i>18.29'</i>
Press Max. <i>800 #</i>	Minimum
Meas Line <i>X</i>	Displace

Owner <i>Same</i>
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 listed.
Charge To <i>Ritchie Exploration, Inc.</i>
Street <i>125 N. Market, Suite 1000</i>
City <i>Wichita,</i> State <i>Ks. 67202-1775</i>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No. <i>[Signature]</i>
X <i>[Signature]</i>

EQUIPMENT

Pumptrk <i>191</i>	Cementer <i>Gary H.</i>	
	Helper <i>Marlyn K.</i>	
Pumptrk	Cementer	
	Helper	
Bulktrk <i>#212</i>	Driver <i>Joe S.</i>	
Bulktrk	Driver	

Amount Ordered <i>125 sks 6 7/8" 10% salt,</i>	
Consisting of <i>3% gilsonite, 500 gal WFR II</i>	
Common <i>75 sks @ 5.50/sk</i>	<i>412.50</i>
Poz. Mix <i>50 sks @ 2.50/sk</i>	<i>125.00</i>
Gilsonite - <i>324 # @ 33¢/lb.</i>	<i>106.92</i>
Chloride Salt - <i>12 sks @ 4.75/sk</i>	<i>57.00</i>
Quickset	
WFR II - <i>500 gal @ 50¢/gal.</i>	<i>250.00</i>
Sales Tax	
Handling <i>¢1.00/sk (125 sks)</i>	<i>125.00</i>
Mileage <i>¢0.47/sk/mi. (34 mi.)</i>	<i>170.00</i>
Sub Total	<i>1246.42</i>
Total	

DEPTH of Job <i>1-5 1/2" rubber plug</i>	<i># 45.00</i>
Reference: #1 <i>Pumptruck-long string</i>	<i>880.00</i>
#13 <i>mileage @ 2.00/mi.</i>	<i>68.00</i>
#12 <i>rotating swivel (5 1/2")</i>	<i>100.00</i>
Sub Total	<i>1053.00</i>
Tax	<i>993.00</i>
Total	

Floating Equipment <i>5 1/2"</i>	
1-regular guide shoe - <i>125.00</i>	
1-AFU insert (flapper-type) - <i>189.00</i>	
1-cementing basket - <i>127.00</i>	
4-centralizers 4 1/2" ea - <i>184.00</i>	
1-port collar (Baker) - <i>1785.00</i>	
Total	<i>2410.00</i>

Remarks: *Float Held*
Plugged nat hole w/15 sks
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 Thanks
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OCT 5 1992

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Phone 913-483-2627, Russell, Kansas
Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

5307

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	10-9-92	Sec.	28	Twp.	6 S	Range	20 W	Called Out	9:00 AM	On Location	1:00 PM	Job Start	1:45 PM	Finish	6:45 PM
No. Lease	HILGERS	Well No.	# 2	Location	Old 24 & Logan Rd.			County	ROOK'S		State	KANSAS			
Contractor	LEON'S DRILLING SERVICE														
Type Job	PORT COLLAR (CIRC CEMENT)														
Hole Size	T.D.														
Csg.	5 1/2	Depth													
Tbg. Size	2"	Depth													
Drill Pipe	Depth														
Tool	X-PERT (DICK)	Depth 1786													
Cement Left in Csg.	Shoe Joint														
Press Max.	1,000 #	Minimum 600 #													
Meas Line	Displace														
Perf.															

Owner 5 N 1/4 E
 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 listed.
 ATT: John Niernberger
 Charge To RITCHIE EXPLORATION
 Street 1705 Anthony Drive
 City Hays State Kan 67601
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. [Signature]
 X [Signature]
CEMENT
 1 SK SAND
 Amount Ordered 390 SK 50% POZ 8% GEL

EQUIPMENT

Pumptrk #177	No.	Cementer	<u>[Signature]</u>
		Helper	<u>[Signature]</u>
Pumptrk #212	No.	Cementer	
		Helper	
Bulktrk #218	No.	Driver	<u>[Signature]</u>
Bulktrk #218	No.	Driver	<u>[Signature]</u>

Consisting of			
Common	195	SKS @	5.50
Poz. Mix	195	SKS @	2.50
Gel.	20	SKS @	6.75
Chloride			
Quickset			
Sand	1 SK	@	4.75
			4.75

DEPTH of Job	
Reference:	Pump Truck CHRG 475.00
	2.00 per mile 62.00
	Sub Total
	Tax
	Total 537.00

Handling	1.00 per SK	390.00
Mileage	4¢ per SK/mile	483.60
31 miles		
	Sub Total	
	Total	2,573.35

Remarks: LOAD HOLE & TEST BRIDGE Plug To 1,000 # & HELD. SPOT SAND @ 18'.
 CAME UP & OPENED PORT COLLAR (1786) MIXED SK CEMENT. HAD
 GOOD CIRCULATION, DISPLACED 6 8 1/2' & CLOSED PORT COLLAR. WASHED TUBING
 CLEAN. WENT DOWN TO 3160' & WASHED SAND OFF BRIDGE Plug,
 CAME OUT w/ TUBING, & LOADED HOLE.

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