

CONFIDENTIAL

ORIGINAL
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

4/2/14
Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3188
Contact Person: John Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Mike Engelbrecht
Purchaser: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., 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 Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

12/12/11	12/30/11	12/30/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 057-20772-00-00
Spot Description: 65' S & 110' W
SE SE Sec. 18 Twp. 27 S. R. 23 East West
595 Feet from North / South Line of Section
770 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ford
Lease Name: Youngers 18CD Well #: 1
Field Name: _____
Producing Formation: Pawnee
Elevation: Ground: 2423 Kelly Bushing: 2435
Total Depth: 5100 Plug Back Total Depth: 5056
Amount of Surface Pipe Set and Cemented at: 366 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1449 Feet
If Alternate II completion, cement circulated from: 1449
feet depth to: surface w/ 220 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 18200 ppm Fluid volume: 975 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter: _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: 4/2/12

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 4-2-12 to 4-2-14
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 4-11-12

Operator Name: Ritchie Exploration, Inc. Lease Name: Youngers 18CD Well #: 1
 Sec. 18 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If no, Submit Copy) 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 <p style="text-align: center;">SEE ATTACHED</p>
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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
Conductor	32	20	64	60	Eight-Sack Grout	7 yards	
Surface	12-1/4	8-5/8	23	366	Common	225	3% cc, 2% gel
Production	7-7/8	5-1/2	15.5	5099	AA2	175	10% salt, 5% W-60, .5% C-15

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	4774' - 4781' (1/17/12)	1000 gals 15% NE	

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TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>5043'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>1/25/12</u>		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. <u>26.17</u>	Gas Mcf _____ Water Bbls. <u>6.68</u> Gas-Oil Ratio _____ Gravity <u>37.7</u>

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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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RITCHIE

EXPLORATION, INC.
Wichita, Kansas

#1 Youngers 18CD

595' FSL & 770' FEL

65' S & 110' W of SE SE

Section 18-27S-23W

Ford County, Kansas

API# 15-057-20772-0000

Elevation: 2423' GL: 2435' KB

Sample Tops			Ref. Well
Anhydrite	1469'	+966	-6
B/Anhydrite	1502'	+933	-2
Stotler	3466'	-1031	-18
Heebner	4122'	-1687	-19
Lansing	4243'	-1808	-14
Muncie Shale	4428'	-1993	-12
Stark	4559'	-2124	-12
Hush.	4599'	-2164	-11
Marmaton	4648'	-2213	-10
Altamont	4693'	-2258	-12
Pawnee	4772'	-2337	-19
Cherokee Shale	4816'	-2381	-22
Huck.	4903'	-2468	-19
Atoka Shale	4916'	-2481	-20
Morrow Sand	4922'	-2487	-17
Mississippian	4960'	-2525	-26
RTD	5100'	-2665	

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8100 E. 22nd St. N., Bldg. 700
Wichita, Kansas 67226-2328

P.O. Box 783188
Wichita, Kansas 67278-3188

(316) 691-9500
Fax (316) 691-9550
rei@ritchie-exp.com

ALLIED CEMENTING CO., LLC. 036140

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

SERVICE POINT:
Dakley, ks

DATE <i>12-13-11</i>	SEC. <i>18</i>	TWP. <i>27</i>	RANGE <i>23</i>	CALLED OUT	ON LOCATION <i>7:30 am</i>	JOB START <i>7:30 am</i>	JOB FINISH <i>10:00 am</i>
LEASE <i>1800</i>	WELL # <i>1</i>	LOCATION <i>Wright, ks 5745, 2E,</i>			COUNTY <i>Ford</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <i>NEW</i>				<i>SE into</i>			

CONTRACTOR *Duke #1* OWNER *Same*

TYPE OF JOB *Surface*
 HOLE SIZE *12 1/4"* T.D. *368'* CEMENT AMOUNT ORDERED *225 sks com 39.00*
 CASING SIZE *8 7/8* DEPTH *362.52* *2% gel*

TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT *33.36'*
 CEMENT LEFT IN CSG. *33.36'*
 PERFS.
 DISPLACEMENT *21.19661*

EQUIPMENT
 PUMP TRUCK CEMENTER *Lakane*
 # *431* HELPER *Darren*
 BULK TRUCK
 # *404* DRIVER *Chris*
 BULK TRUCK
 # DRIVER

HANDLING *225 sks @ 2.25 533.25*
 MILEAGE *105k/mile 1303.50*
 TOTAL *6043.60*

REMARKS:
Mix 225 sks down casing
Displace with water.
Cement did circulate
Thank you

CHARGE TO: *Ritchie Exploration*
 STREET
 CITY STATE ZIP

SERVICE
 DEPTH OF JOB *368'*
 PUMP TRUCK CHARGE *1125.00*
 EXTRA FOOTAGE *68ft @ .95 64.60*
 MILEAGE *50 @ 7.00 350.00*
 MANIFOLD *head @ 200.00*
L.O. Waileage @ 4.00 200.00

TOTAL *1936.60*

PLUG & FLOAT EQUIPMENT
1) Wooden plug @ 92.00
1) baffle plate @ 175.00
fibers
 TOTAL *267.00*

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 Godfrey*
 SIGNATURE *Mike Godfrey*

SALES TAX (If Any)
 TOTAL CHARGES
 DISCOUNT IF PAID IN 30 DAYS

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Cement Report

Customer	Ritchie Exploration	Lease No.		Date	12/30/11
Lease	1100NALS	Well #	18CD	Service Receipt	
Casing	5 1/2"	Depth	5100	County	Ford
Job Type	Long string	Formation		State	KS
		Legal Description	18-27-23		

Pipe Data		Perforating Data		Cement Data	
Casing size	5 1/2	Tubing Size		Shots/Ft	1.51 yd @ 14.8 # 5 1/2 W-60, 0.6 @ salt, .6 @ 100-15
Depth	5105'	Depth		From	To
Volume	120.99	Volume		From	To
Max Press	1500	Max Press		From	To
Well Connection	P.C.	Annulus Vol.		From	To
Plug Depth		Packer Depth		From	To
					Tail in 50 SKS 60/40 @ 13.5 #
					1.48 yd @ 7.37 yds

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:30					on loc. spot-trucks, R.V. salt, etc.
14:00					Start F.F.
15:42					Finish F.F.
16:35					Break Circ
17:45	3000				Psi test
17:56	200		12	4	Pump mud flush
18:02	200		5	4	Freshwater spacer
18:15					Plug RTM w/60/40 P.C.
18:28	200		0	5	Start Mixing AH-2 @ 14.8 #
18:44	0		47	-	Finish Mixing
18:46					Washed P.C.
18:53	0		0	6.5	Start Disp
19:17	900		111	3	Slow Rate
19:20	1000-1600		121	-	Plug Down
19:21	1100-0				Release Psi Float valve
					Jobs Complete
					Thank You
					Chuck & Crew

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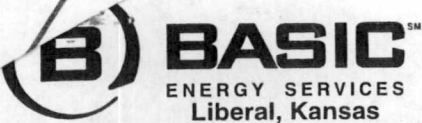
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Service Units	195556	600000	1435419578	KCC
Driver Names	Chavez	S. Swafford	J. Martinez	

Camy Rouse
Customer Representative

Jerric Bonnett
Station Manager

Chuck Hartz
Cementer



Cement Report

Customer	34th Exploration	Lease No.		Date	1-5-12
Lease	200005 1770	Well #	1	Service Receipt	02265
Casing	5 1/2" int	Depth	50'	County	Ford
Job Type	2 1/2" 30' 30'	Formation	0.10'	Legal Description	17-27-23

Pipe Data		Perforating Data		Cement Data	
Casing size	5 1/2"	Tubing Size	2 3/4"	Lead	
Depth	100'	Depth	119'	From	To
Volume		Volume	5.62 bbl	From	To
Max Press		Max Press	200#	From	To
Well Connection		Annulus Vol.		From	To
Plug Depth		Packer Depth	111'	From	To
					Tail in

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00					on loc. for assessment
11:15					cont. checks - rig on
12:30					waiting / TSH
12:45					pressure test @ 12000# - OK
12:50	200		13	3	circulate w/ 15 bbl
1:00	200		60	3	circulate w/ 60/40 Poz / 100#
					get circ. only 13.5" 200#
					153.47 bbl / 7.13 gal/sk - 220' K
1:30					circ to surface
1:40	200		7.7	3	dump w/ 5 bbl slurry on port
1:45					shut in - test 1200#
2:30	400		20	3	run out tubing clean
					job complete

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Service Units	17702	35711	37774	1755	KCC 11023
Driver Names	J. Bennett	S. Gomez	F. Williams	J. Russell	

Customer Representative: _____ Station Manager: J. Bennett Cementer: _____
Taylor Printing, Inc.