

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

9/10/09

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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 Niemberger
Phone: (316) 691-9500
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Terry McLeod

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

6/1/07 6/11/07 6/11/07
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 101-22021-0000
County: Lane
approx. E/2 NW SW Sec. 28 Twp. 17S S. R. 30 East West
2075 feet from (S) N (circle one) Line of Section
1120 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Dowd 28C Well #: 1

Field Name: _____
Producing Formation: LKC & Altamont
Elevation: Ground: 2869 Kelly Bushing: 2880
Total Depth: 4612 Plug Back Total Depth: 4560
Amount of Surface Pipe Set and Cemented at 231 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2211 Feet
If Alternate II completion, cement circulated from 2211
feet depth to surface w/ 375 sx cmt.

Drilling Fluid Management Plan ATTN NJ 2409
(Data must be collected from the Reserve Pit)
Chloride content 14000 ppm Fluid volume 800 bbls
Dewatering method used evaporation

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: 9/10/07
Subscribed and sworn to before me this 10th day of September
2007.
Notary Public: Debra K Phillips
Date Commission Expires: 5-4-11

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED

KANSAS CORPORATION COMMISSION

 **DEBRA K. PHILLIPS**
Notary Public - State of Kansas
My Appt. Expires 5-4-11

SEP 11 2007

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Ritchie Exploration, Inc. Lease Name: Dowd 28C Well #: 1
 Sec. 28 Twp. 17S S. R. 30 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 checked="" type="checkbox"/> Yes <input 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 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; color: red; font-weight: bold; font-size: 1.2em;"> KCC SEP 10 2007 CONFIDENTIAL </div>
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CASING RECORD <input type="checkbox"/> New <input checked="" 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	231	common	165	3%cc, 2% gel
Production	7-7/8	4-1/2	10.5	4592	60/40 pozmix	245	2% gel, 10% salt, 3/4% CD-31

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	4359.5'- 4364.5' (Altamont B1), 4020.5' - 4023.5' (LKC-E) (6/22/07)	300 gallons 15% NE	

TUBING RECORD		Size <u>2-3/8</u>	Set At <u>4531</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>6/29/07</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>39.49</u>	Gas Mcf	Water Bbls. <u>60.65</u>	Gas-Oil Ratio	Gravity <u>30.9</u>

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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#1 Dowd 28C
2075' FSL & 1120' FWL
95' N & 130' E of E/2 NW SW Section 28-17S-30W
Lane County, Kansas
API# 15-101-22021-0000
Elevation: 2869' GL: 2880' KB

<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2248'	+632	-11
B/Anhydrite	2268'	+612	-11
Heebner	3903'	-1023	flat
Lansing	3939'	-1059	+4
Lansing "E" zone	4025'	-1145	+6
Muncie Shale	4115'	-1235	+3
Lansing "I" zone	4167'	-1287	+3
Lansing "J" zone	4195'	-1315	+2
BKC	4290'	-1410	+8
Altamont	4342'	-1462	+6
Altamont "B" zone	4365'	-1485	+9
Cherokee Shale	4484'	-1601	+5
Johnson	4525'	-1645	+6
Mississippian	4566'	-1686	+5
RTD	4612'	-1732	

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CONSERVATION DIVISION
WICHITA, KS

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

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

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

ALLIED CEMENTING CO., INC. 28590

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

SERVICE POINT: Oakley

DATE <u>6-1-07</u>	SEC <u>28</u>	TWP <u>17^s</u>	RANGE <u>30^w</u>	CALLED OUT	ON LOCATION <u>8:15 PM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>9:15 PM</u>
LEASE <u>Dowd 28C</u>		WELL # <u>1</u>	LOCATION <u>Scott City 14E-46N-ES</u>		COUNTY <u>Lane</u>	STATE <u>Kan</u>	
OLD OR NEW (Circle one)							

CONTRACTOR MucFlin Drlg Co #21 OWNER Same

TYPE OF JOB SurFace
 HOLE SIZE 12 1/4 T.D. 231' CEMENT AMOUNT ORDERED 165 SKs com
 CASING SIZE 8 5/8 DEPTH 230' 3% cc - 2% Gel
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH

PRES. MAX MINIMUM COMMON 165- SKs @ 12⁶⁰ 2079⁰⁰
 MEAS. LINE SHOE JOINT POZMIX @
 CEMENT LEFT IN CSG. 15' GEL 3- SKs @ 16⁶⁵ 49⁹⁵
 PERFS. CHLORIDE 6- SKs @ 46⁶⁰ 279⁶⁰
 DISPLACEMENT 13 1/2 BBL ASC @

EQUIPMENT
 PUMP TRUCK CEMENTER Walt
 # 422 HELPER Wayne
 BULK TRUCK
 # 377 DRIVER Darin
 BULK TRUCK
 # DRIVER

REMARKS: HANDLING 174- SKs @ 1⁹⁰ 330⁶⁰
 MILEAGE 9¢ per SK/mile 876⁹⁶
 TOTAL 3,616¹¹

SERVICE
 DEPTH OF JOB
 PUMP TRUCK CHARGE 815⁰⁰
 EXTRA FOOTAGE @
 MILEAGE 56- miles @ 6⁰⁰ 336⁰⁰
 MANIFOLD @
 @
 @

CHARGE TO: Ritchie Explorations TOTAL 4,151⁰⁰
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT
8 5/8
1- SurFace Plug @ 60⁰⁰
 @
 @
 @
 @
 TOTAL 60⁰⁰

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 done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX
 TOTAL CHARGE
 DISCOUNT IF PAID IN 30 DAYS
 SIGNATURE Juan Tinoco PRINTED NAME Juan Tinoco

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 WICHITA, KS

ALLIED CEMENTING CO., INC. 25946

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

SERVICE POINT:

Down 28c1

Bulk Truck 10:00 AM

Oakley

DATE <i>6-19-07</i>	SEC. <i>28</i>	TWP. <i>17</i>	RANGE <i>30W</i>	CALLED OUT	ON LOCATION <i>3:00 AM</i>	JOB START <i>10:30 AM</i>	JOB FINISH <i>11:30 AM</i>
LEASE <i>Good</i>	WELL# <i>1 28c</i>	LOCATION <i>scott city 19E 4 1/2 N E120</i>			COUNTY <i>Lane</i>	STATE <i>KS</i>	
OLD OR (NEW) (Circle one)							

CONTRACTOR *Plains well service*

TYPE OF JOB *port collar*

HOLE SIZE *4 1/2"* T.D.

CASING SIZE *4 1/2"* DEPTH

TUBING SIZE *2 3/8"* DEPTH *2211'*

DRILL PIPE DEPTH

TOOL *Port collar* DEPTH *2211'*

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER *same*

CEMENT

AMOUNT ORDERED *450 stks 60% 60 gal*

4 1/2" Flo-seal

used 325 stks

COMMON	<i>225 stks</i>	@ <i>12.60</i>	<i>2835.00</i>
POZMIX	<i>150 stks</i>	@ <i>6.40</i>	<i>960.00</i>
GEL	<i>19 stks</i>	@ <i>16.65</i>	<i>316.35</i>
CHLORIDE		@	
ASC		@	
		@	
		@	
	<i>FLO-seal 94#</i>	@ <i>2.00</i>	<i>188.00</i>
		@	
		@	
		@	
		@	
HANDLING	<i>477 stks</i>	@ <i>1.90</i>	<i>906.30</i>
MILEAGE	<i>9# st/mile</i>		<i>2404.08</i>
TOTAL			<i>2609.23</i>

REMARKS:

Test tool to 500# open tool mix 325 stks 60% 60 gal 4 1/2" Flo-seal displaced Pressure tool to 1200# Run 5 joints Reverse clean. cement did circulate

SERVICE

DEPTH OF JOB	<i>2211'</i>		
PUMP TRUCK CHARGE			<i>955.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>56 miles</i>	@ <i>6.00</i>	<i>336.00</i>
MANIFOLD		@	
		@	
		@	
TOTAL			<i>1291.00</i>

CHARGE TO: *Ritchie*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

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 done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE *Gary Rowe*

PRINTED NAME

-T-

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CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

30179

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

SERVICE POINT:
Nass City

DATE <u>6-11-07</u>	SEC <u>28</u>	TWP <u>17</u>	RANGE <u>30</u>	CALL LOG <u>2 PM</u>	ON LOCATION <u>6 AM</u>	JOB START <u>10 PM</u>	JOB FINISH <u>11 PM</u>
LEASE <u>Dowd</u>	WELL # <u>280" 1</u>	LOCATION <u>Amy 2w HAN EIS</u>			COUNTY <u>Law</u>	STATE <u>K.S.</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Murphy Aug #21,
 TYPE OF JOB Leas string H₂
 HOLE SIZE 7 7/8 T.D. 4619 ft
 CASING SIZE 4 1/2 DEPTH 4593 ft
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL Part Collar DEPTH 2215 ft
 PRES. MAX 1000 MINIMUM 500
 MEAS. LINE _____ SHOE JOINT 20 ft
 CEMENT LEFT IN CSG. 20 ft
 PERFS. _____
 DISPLACEMENT 73 bbl

OWNER _____
 CEMENT AMOUNT ORDERED 260 gal 10 7 salt
27 gal of O.D. 31 gr. fl.
500 gal WFR II
 COMMON Fluor. @ 12.60 1,965.60
 POZMIX 104 gal. @ 6.40 665.60
 GEL S.A. @ 16.65 892.25
 CHLORIDE _____ @ _____
 ASC _____ @ _____
ACD-31 168 lb @ 7.50 1260.00
SALT 16 gal @ 19.20 307.20
De Foam 42 lb @ 7.20 302.40
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 283 gal @ 1.90 541.50
 MILEAGE 283 gal @ 56 1436.40
 TOTAL 6561.95

EQUIPMENT
 PUMP TRUCK CEMENTER Mike M.
 # 224 HELPER Jim W.
 BULK TRUCK
 # 394 DRIVER Walt
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
Circulate Hole with Rig mud pump
mix Mud Flush + Plug Part Hole
mix cement + wash up + The
Displace Plug Down with water
Plug Down 1000'
Float did hold

SERVICE
 DEPTH OF JOB 4593 ft
 PUMP TRUCK CHARGE _____ 1750.00
 EXTRA FOOTAGE @ _____
 MILEAGE 56 @ 6.00 336.00
 MANIFOLD @ _____
HEAD Rental @ 100.00 100.00
 _____ @ _____

CHARGE TO: Ritchie Exp Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 2186.00

PLUG & FLOAT EQUIPMENT
1-4 1/2 Rubber Plug 55.00 55.00
1-4 1/2 Guide shoe @ 150.00 150.00
1-4 1/2 AFW Insert @ 225.00 225.00
4-4 1/2 Centrigbar @ 45.00 360.00
3-4 1/2 Bosh ft @ 150.00 450.00
1-4 1/2 Part Collar @ 1600.00 1600.00
 TOTAL 2840.00

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 done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Thomas A Atkins

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

THOMAS A ATKINS
 PRINTED NAME

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- Total -