

3-6-09

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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: \_\_\_\_\_  
Operator Contact Person: John Niernberger  
Phone: (316) 691-9500  
Contractor: Name: Murfin Drilling, Inc.  
License: 30606  
Wellsite Geologist: Jeff Christian

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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. \_\_\_\_\_

11/6/06	11/12/06	11/12/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 137-20459-0000  
County: Norton  
70W N/2 NW SE Sec. 22 Twp. 5S S. R. 23  East  West  
2310 feet from S N (circle one) Line of Section  
2050 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Schaben 22AD Well #: 2

Field Name: \_\_\_\_\_  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 2214 Kelly Bushing: 2219  
Total Depth: 3660 Plug Back Total Depth: 3624  
Amount of Surface Pipe Set and Cemented at 218 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1815 Feet  
If Alternate II completion, cement circulated from 1815  
feet depth to surface w/ 360 sx cmt.

Drilling Fluid Management Plan AKII WHM 3-5-08  
(Data must be collected from the Reserve Pit)  
Chloride content 26000 ppm Fluid volume 975 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: 3/6/07  
Subscribed and sworn to before me this 6<sup>th</sup> day of March  
2007  
Notary Public: Debra K. Phillips  
Date Commission Expires: 5/4/07

DEBRA K. PHILLIPS  
Notary Public - State of Kansas  
My Appt. Expires 5/4/07

**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
MAR 06 2007

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Ritchie Exploration, Inc. Lease Name: Schaben 22AD Well #: 2  
 Sec. 22 Twp. 5S S. R. 23  East  West County: Norton

**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:

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

SEE ATTACHED

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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	24	218	common	160	3%cc, 2% gel
Production	7-7/8	4-1/2	10.5	3645	60/40 pozmix	175	6% gel, 1/4# flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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
	*****UNABLE TO COMPLETE WELL YET DUE		
	TO WEATHER & SOIL CONDITIONS*****		

TUBING RECORD		Size	Set At	Packer At	Liner Run
					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd 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  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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**KANSAS CORPORATION COMMISSION**  
**MAR 06 2007**  
**CONSERVATION DIVISION**  
**WICHITA, KS**



**#2 Schaben 22AD**  
2310' FSL & 2050' FEL  
70'W of N/2 NW SE Section 22-5S-23W  
Norton County, Kansas  
API# 15-137-20459-00-00  
Elevation: 2,214' GL, 2,219' KB

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	1844'	+375	-3
B/Anhydrite	1875'	+344	-2
Heebner	3362'	-1143	-11
Toronto	3386'	-1167	-10
Lansing	3403'	-1184	-8
Lansing "D" zone	3447'	-1228	-6
Lansing "H" zone	3516'	-1297	-9
Lansing "J" zone	3548'	-1329	-8
Lansing "K" zone	3565'	-1346	-8
BKC	3589'	-1370	-8
RTD	3660'	-1441	

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KANSAS CORPORATION COMMISSION  
MAR 06 2007  
CONSERVATION DIVISION  
WICHITA, KS

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

(316) 691-9500  
Fax (316) 691-9550  
[rei@ritchie-exp.com](mailto:rei@ritchie-exp.com)

8100 E. 22<sup>nd</sup> St. N., Bldg. 700  
Wichita, Kansas 67226-2328

# ALLIED CEMENTING CO., INC.

25778

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

SERVICE POINT:  
Oakley

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**MAR 06 2007**  
**CONSERVATION DIVISION**  
**WICAITA, KS**

DATE <u>11-15-06</u>	SEC. <u>22</u>	TWP <u>5</u>	RANGE <u>23w</u>	CALLED OUT	ON LOCATION <u>10:00 AM</u>	JOB START <u>1:00 PM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>Schubert</u>	WELL # <u>22 AP</u>	LOCATION <u>Edmond 4 W 1/4 S 1/2 W T1</u>	COUNTY <u>Newton</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>1</u>							

CONTRACTOR Express Well Service- OWNER Same  
 TYPE OF JOB Port collar

HOLE SIZE	T.D.	CEMENT	AMOUNT ORDERED
CASING SIZE <u>4 1/2</u>	DEPTH	<u>360 sks 60/40 Poz 60 Gel 1/4 #10 Seal</u>	
TUBING SIZE <u>2 3/4</u>	DEPTH <u>1815'</u>		
DRILL PIPE	DEPTH		
TOOL	DEPTH		
PRES. MAX	MINIMUM	COMMON <u>216 sks @ 12.20</u>	<u>2635.20</u>
MEAS. LINE	SHOE JOINT	POZMIX <u>144 sks @ 6.10</u>	<u>878.40</u>
CEMENT LEFT IN CSG.		GEL <u>19 sks @ 16.65</u>	<u>316.35</u>
PERFS.		CHLORIDE	@
DISPLACEMENT <u>6 1/2 Bbls</u>		ASC	@

**EQUIPMENT**

PUMP TRUCK CEMENTER <u>Dean</u>			
# <u>373-281</u> HELPER <u>Fuzzy</u>			
BULK TRUCK			
# <u>394</u> DRIVER <u>Mike</u>			
BULK TRUCK			
#	DRIVER		

HANDLING <u>379 sks @ 1.90</u>	<u>720.10</u>
MILEAGE <u>9.5 SK/mile</u>	<u>2899.35</u>
<b>TOTAL</b>	<b><u>7629.40</u></b>

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**REMARKS:**

Pressure Test 1200# ok open Port  
Collar Pump had circulation. Mix  
360 sks cement had cement circulate  
Dig 6 1/2 Bbls. Ran 5 tests. Reverse  
Tab Clean

Thank you

**SERVICE**

DEPTH OF JOB <u>1815'</u>	
PUMP TRUCK CHARGE	<u>955.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>8.5 miles @ 6.00</u>	<u>510.00</u>
MANIFOLD	@

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

**TOTAL** 1465.00

**PLUG & FLOAT EQUIPMENT**

	@	
	@	
	@	
	@	
	@	
<b>TOTAL</b>		

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 Thomas A. [Signature]

PRINTED NAME [Signature]

# ALLIED CEMENTING CO., INC.

28534

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

SERVICE POINT: Oaklay

DATE <u>11-12-06</u>	SEC <u>22</u>	TWP <u>S3</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION <u>9:30 AM</u>	JOB START <u>11:45 AM</u>	JOB FINISH <u>12:15 PM</u>
LEASE <u>Schaben</u>	WELL # <u>22AD</u>	LOCATION <u>Hill City N to Jet, 2W</u>	COUNTY <u>Norton</u>	STATE <u>Kan</u>			
OLD OR NEW (Circle one) <u>NEW</u>				<u>155-6W</u>			

CONTRACTOR MocFin Dels Co #3 OWNER Same

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 3660'

CASING SIZE 4 1/2 DEPTH 3644

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL Port Collar DEPTH 1814'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 19'

CEMENT LEFT IN CSG. 19'

PERFS.

DISPLACEMENT 57 3/4 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Walt

# 102 HELPER Jarred

BULK TRUCK

# 399 DRIVER Mike

BULK TRUCK

# DRIVER

CEMENT

AMOUNT ORDERED 190 sks 6% topoz, 2% label

10% salt, 740# 1% CD-31

500 gal WFR-2

COMMON	<u>114 sks @</u>	<u>12.20</u>	<u>1,390.80</u>
POZMIX	<u>76 sks @</u>	<u>6.10</u>	<u>463.60</u>
GEL	<u>3 @</u>	<u>16.85</u>	<u>49.95</u>
CHLORIDE	@		
ASC	@		
CD-31	<u>122 # @</u>	<u>7.50</u>	<u>915.00</u>
Salt	<u>16 sks @</u>	<u>19.20</u>	<u>307.20</u>
WFR-2	<u>500 gal @</u>	<u>1.00</u>	<u>500.00</u>
	@		
	@		
	@		
	@		
HANDLING	<u>211 sks @</u>	<u>1.90</u>	<u>400.90</u>
MILEAGE	<u>9¢ per sk/mile</u>		<u>1,614.15</u>
TOTAL			<u>5,641.60</u>

REMARKS:

Pump 500 gal WFR-2

Put 15 sks in RH

Mixed 175 sks Down 4 1/2

Wash out Pump Lines, release Plug

Displace 57 3/4 BBL with 2 700# max

Landed Plug @ 1100', release Pressure

Float Held Thank You

CHARGE TO: Ritkive Explorations

STREET \_\_\_\_\_

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

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 [Signature]

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1,610.00</u>
EXTRA FOOTAGE @		
MILEAGE <u>85 miles @</u>	<u>6.00</u>	<u>510.00</u>
MANIFOLD @		
Head rental @		<u>100.00</u>
Rotator rental @		<u>100.00</u>
TOTAL		<u>2,320.00</u>

PLUG & FLOAT EQUIPMENT

4 1/2

1- Guide Shoe @		<u>125.00</u>
1- ARV insert @		<u>215.00</u>
5- Turbo Centralizers @	<u>45.00</u>	<u>225.00</u>
2- Baskets @	<u>130.00</u>	<u>260.00</u>
1- Port Collar @	<u>1.00</u>	<u>1,600.00</u>
1- Rubber Plug		<u>55.00</u>
TOTAL		<u>2,480.00</u>

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

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

PRINTED NAME [Signature]

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 KANSAS CORPORATION COMMISSION  
 CONSERVATION DIVISION  
 WICHITA, KS  
 MAR 06 2007

KCC  
 MAR 06 20  
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# ALLIED CEMENTING CO., INC. 25391

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

SERVICE POINT:  
Oakley

DATE <u>11-6-06</u>	SEC. <u>22</u>	TWP. <u>55</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION <u>7:00 PM</u>	JOB START <u>8:30 PM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>Schaben 22 AD</u>				WELL# <u>2</u>	LOCATION <u>Norton S to Set Hwy 9</u>	COUNTY <u>Norton</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>1749 W/S</u>			

CONTRACTOR Murfin Drlg Rig 3 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 223' CEMENT AMOUNT ORDERED 160 sks com 32cc 226 gal

CASING SIZE 8 7/8 DEPTH 218

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 Bbls

**EQUIPMENT**

PUMP TRUCK CEMENTER Dean

# 373-251 HELPER Andrew

BULK TRUCK

# 399 DRIVER Lonnie

BULK TRUCK

# DRIVER

COMMON 160 sks @ 12.20 1952.00

POZMIX @

GEL 3 sks @ 16.65 49.95

CHLORIDE 6 sks @ 46.60 279.60

ASC @

@

@

@

@

@

@

@

HANDLING 169 sks @ 1.90 321.10

MILEAGE 94 sk/mile 1292.85

TOTAL 3895.50

**REMARKS:**

Cement did circulate

Thank you

CHARGE TO: Ritchie Exploration Inc

STREET

CITY STATE ZIP

**SERVICE**

DEPTH OF JOB 218'

PUMP TRUCK CHARGE 815.00

EXTRA FOOTAGE @

MILEAGE 85 mile @ 6.00 510.00

MANIFOLD @

@

@

TOTAL 1325.00

**PLUG & FLOAT EQUIPMENT**

8 7/8 Surface Plug @ 60.00

@

@

@

@

TOTAL 60.00

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 Kathleen Bell

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

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March 6, 2007

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State Corporation Commission  
Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202

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KANSAS CORPORATION COMMISSION  
MAR 06 2007  
CONSERVATION DIVISION  
WICHITA, KS

RE: #2 Schaben 22AD  
Sec. 22-5S-23W  
Norton County, Kansas

To Whom It May Concern:

Enclosed please find an ACO-1 for the above referenced well. The required attachments have also been enclosed. Ritchie Exploration, Inc. would like for this to be held confidential for the maximum allowable time.

If you have any questions, please feel free to call the undersigned or John Niernberger at 316-691-9500. Thank you for all of your help in this matter.

Sincerely,

Debbie Phillips  
Accounting Supervisor

dkp

Enclosures