

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

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 Niernberger
Phone: (316) 691-9500
Contractor: Name: _____
License: _____
Wellsite Geologist: _____

API No. 15 - 171-20581 - 00 - 02
County: Scott
110°N C/N2 SE SE Sec. 11 Twp. 17 S. R. 31 East West
1100 feet from (S) N (circle one) Line of Section
660 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Pember 11D Well #: 1

Field Name: Scola South
Producing Formation: Pleasanton/Altamont B

Elevation: Ground: 2907' Kelly Bushing: 2912'
Total Depth: 4630' Plug Back Total Depth: 4557'

Amount of Surface Pipe Set and Cemented at 316 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2251 Feet
If Alternate II completion, cement circulated from 2251
feet depth to surface w/ 335 sx cmt.

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: _____

Well Name: _____
Original Comp. Date: 10/01/03 Original Total Depth: 4630'

____ 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. _____

<u>01/31/06</u>	<u>02/03/06</u>	<u>02/03/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

Drilling Fluid Management Plan *ATTN: WFM 127106*
(Data must be collected from the Reserve Pit)

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: [Signature]
Title: Production Manager Date: 5/3/06

Subscribed and sworn to before me this 3rd day of May

20 06
Notary Public: DEBRA K. PHILLIPS
Notary Public - State of Kansas
My Appt. Expires 5/4/06

Date Commission Expires: 5/4/06

KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____

____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

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MAY 04 2006

KCC WICHITA

Operator Name: Ritchie Exploration, Inc. Lease Name: Pember 11D Well #: 1
 Sec. 11 Twp. 17 S. R. 31 East West County: Scott

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)

Log Formation (Top), Depth and Datum Sample

Samples Sent to Geological Survey Yes No

Name Top Datum

Cores Taken Yes No

(SEE ATTACHED DOCUMENT)

Electric Log Run Yes No

(Submit Copy)

List All E. Logs Run:

Dual Induction Log

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 MAY 03 2006
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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	12.25"	8 5/8"	23#	316'	Common	180	
Production	7.875"	5 1/2"	15.5#	4620'	60/40 Pozmix	200	

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 checked="" type="checkbox"/> Plug Off Zone	4037'-4180'	Common	75	(1/04)

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	4366'-4370' (Altamont B) (9/03)	1000 gals. 15% NE	
4	4301'-4304' (Pleasanton) (01/04)	250 gals. 28 MCA & 500 gals. 500 gals. 15% MCA	
4, 4	4176'-80', 4037'-44 (LKC-I & E) (01/04)	2000 gals. 15% NE. Sqz'd w/ 75 sx. cement (1/04)	
	CIBP @ 4344' (1/04)		
	**Drill out CIBP @ 4344' (02/06)		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	4535'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
02/03/06			<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
	6.68		39.24		

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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KCC WICHITA



#1 Pember 11D
1100' FSL & 660' FEL
Section 11-17S-31W
Scott County, Kansas
API# 15-171-20581
L.D. Drilling, Inc., Rig #1
Field: Kim Shoemaker
Office: Rocky Milford
Elevation: 2,907' GL: 2,912' KB

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DRILLING REPORT

Sample Tops

Stone Corral	2267	+645
Massive Anhydrite	2308	+604
B/Anhydrite	2330	+582
Stotler	3532	-620
Topeka	3680	-768
Heebner	3909	-997
Lansing	3945	-1033
Muncie Creek	4124	-1212
Stark	4214	-1302
B/KC	4294	-1382
Marmaton	4335	-1423
Altamont B-1 zone	4366	-1434
Pawnee	4415	-1503
Cherokee	4489	-1577
Johnson zone	4526	-1614
Miss	4574	-1662
RTD	4630	-1718

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KCC WICHITA

ALLIED CEMENTING CO., INC. 14340

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

SERVICE POINT: Ness City

DATE <u>1-10-04</u>	SEC. <u>11</u>	TWP. <u>17s</u>	RANGE <u>31w</u>	CALLED OUT <u>6:00 am</u>	ON LOCATION <u>9:30 am</u>	JOB START <u>10:00 am</u>	JOB FINISH <u>3:05 pm</u>
LEASE <u>Pember</u>	WELL # <u>#1</u>	LOCATION <u>Healy - 5 west - 2 south</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
<input checked="" type="radio"/> OLD OR NEW (Circle one) <u>west into</u>							

CONTRACTOR H.O. Oil Field Services

TYPE OF JOB Squeeze

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH 400' / 180'

TUBING SIZE 2" DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 2000 lbs MINIMUM 500 lbs

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. approx 86'

PERFS. _____

DISPLACEMENT _____

OWNER Ritchie Exp Co.

CEMENT AMOUNT ORDERED 120.5x common + 2.5x sand on side

Used all cement

COMMON	<u>150 ckt</u>	@	<u>8.35</u>	<u>1252.50</u>
POZMIX		@		
GEL		@		
CHLORIDE		@		
		@	<u>MAY 03 2006</u>	
		@	CONFIDENTIAL	
		@		
		@		
HANDLING	<u>150 ckt</u>	@	<u>1.15</u>	<u>172.50</u>
MILEAGE	<u>150 x .05 x 46</u>			<u>345.00</u>

EQUIPMENT

PUMP TRUCK # 224 CEMENTER Tack

BULK TRUCK # 341 HELPER Jim

BULK TRUCK # _____ DRIVER Steve

BULK TRUCK # _____ DRIVER _____

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TOTAL 1770.00

REMARKS:

Hook up to 2" tubing - 5 1/2 ckt - load hole - take injection rate - mix 120 5x cement - Displace 8 1/2 bbl's fresh water - pressure to 2000 lbs - Reverse long way with approx 100 bbl's of water - pressure up - hold - pull tubing - Pressure to 300 lb/ct Shut in -

Thanks

SERVICE

KCC WICHITA

DEPTH OF JOB	<u>4180'</u>	@	<u>650.00</u>
PUMP TRUCK CHARGE			<u>175.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>46</u>	@	<u>3.50</u>
PLUG		@	
		@	
		@	

TOTAL 1356.00
811.00

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

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 Bernie Dills

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

ALLIED CEMENTING CO., INC.

14851

REMIT TO P.O. BOX 31 3355x cut, fl Art II, cementing on completion SERVICE POINT: DAKLEY
 RUSSELL, KANSAS 67665 OF PROD-CY, #1, 9/19

DATE <u>9-19-03</u>	SEC. <u>11</u>	TWP. <u>17S</u>	RANGE <u>D 31W</u>	CALLED OUT	ON LOCATION <u>11:30 AM</u>	JOB START <u>12:00 PM</u>	JOB FINISH <u>1:15 PM</u>
LEASE <u>September 11-0</u>	WELL # <u>1</u>	LOCATION <u>MANNING IE-345</u>		COUNTY <u>Scott</u>	STATE <u>KS</u>	KCC	
OLD OR NEW (Circle one)							

CONTRACTOR H-D WELL SERVICE
 TYPE OF JOB PORT COLLAR
 HOLE SIZE _____ T.D. _____
 CASING SIZE 5 1/2 DEPTH _____
 TUBING SIZE 2" DEPTH 2251'
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER SAME
 MAY 03 2006
CONFIDENTIAL

CEMENT

AMOUNT ORDERED 375 SKS 50/50 POZ 6866L
1/4" FLO-SEAL
 USED 335 SKS 50/50 POZ 6866L 1/4" FLO-SEAL

COMMON	<u>168 SKS</u>	@	<u>8.35</u>	<u>1402.80</u>
POZMIX	<u>167 SKS</u>	@	<u>3.80</u>	<u>634.60</u>
GEL	<u>17 SKS</u>	@	<u>10.00</u>	<u>170.00</u>
CHLORIDE		@		
		@		
		@		
	<u>FLO-SEAL 84"</u>	@	<u>1.40</u>	<u>117.60</u>
		@		
		@		
HANDLING	<u>375 SKS</u>	@	<u>1.15</u>	<u>431.25</u>
MILEAGE	<u>054 PER SK/ MI</u>			<u>843.75</u>
TOTAL				<u>3600.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY
 # 300 HELPER WAYNE
 BULK TRUCK
 # 362 DRIVER RUFUS
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

PRESSURE SYSTEM TO 1000 PSI. HELD
OPEN PORT COLLAR. MIX 335 SKS 50/50 POZ
6866L 1/4" FLO-SEAL + DISPLACE 8 1/4" BCL
WATER, CLOSE TOOL. REVERSE OUT. RUN
13 JTS TUBING REVERSE OUT. AFTER CLOSING
PORT COLLAR REPRESSURE TO 1200 PSI.
CEMENT DID CIRC.

THANK YOU

SERVICE

DEPTH OF JOB	<u>2251'</u>		
PUMP TRUCK CHARGE			<u>650.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>45 MI</u>	@	<u>3.50</u>
PLUG		@	
		@	
		@	
TOTAL			<u>807.50</u>

CHARGE TO: RITCHIE EXPLOR, INC
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

RECEIVED @ _____
 MAY 14 2006 @ _____
 KCC WICHITA @ _____

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 Bonnie Dills

PRINTED NAME _____

ALLIED CEMENTING CO., INC. 14180

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

SERVICE POINT:
OAKLEY

DATE <u>9-16-03</u>	SEC. <u>11</u>	TWP. <u>17S</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION <u>3:00 PM</u>	JOB START <u>7:30 PM</u>	JOB FINISH <u>8:15 PM</u>
LEASE <u>September 11-0</u>	WELL # <u>1</u>	LOCATION <u>MANNING 1E-345</u>			COUNTY <u>SCOTT</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)					KCC		

CONTRACTOR L O DRUG

TYPE OF JOB Production String

HOLE SIZE 7 7/8" T.D. 4630'

CASING SIZE 5 1/2" DEPTH 4620'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL PORT COLLAR DEPTH 2251'

PRES. MAX 1350 PSI MINIMUM 250 PSI

MEAS. LINE _____ SHOE JOINT 43.07

CEMENT LEFT IN CSG. 43.07

PERFS. _____

DISPLACEMENT 109 BBL

OWNER SAME MAY 03 2006

CEMENT **CONFIDENTIAL**

AMOUNT ORDERED
215 SKS 60/40 02 10% SALT 2% GEL 3/4 CO-31
500 GAL WFR-2

COMMON	<u>129 SKS</u>	@	<u>7 85</u>	<u>1012</u>	<u>65</u>
POZMIX	<u>86 SKS</u>	@	<u>3 80</u>	<u>326</u>	<u>80</u>
GEL	<u>4 SKS</u>	@	<u>10 00</u>	<u>40</u>	<u>00</u>
CHLORIDE	_____	@	_____	_____	_____
	<u>SALT 20 SKS</u>	@	<u>7 50</u>	<u>150</u>	<u>00</u>
	<u>CO-31 139 #</u>	@	<u>4 75</u>	<u>618</u>	<u>55</u>
	<u>WFR-2 500 GAL</u>	@	<u>1 00</u>	<u>500</u>	<u>00</u>
HANDLING	<u>215 SKS</u>	@	<u>1 15</u>	<u>247</u>	<u>25</u>
MILEAGE	<u>054 PER SK/MI</u>			<u>483</u>	<u>75</u>
				TOTAL	<u>3379</u>

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

300 HELPER WAYNE

BULK TRUCK

212 DRIVER LARRY

BULK TRUCK

_____ DRIVER _____

REMARKS:

MIX 500 GAL WFR-2, PLUG RAT
Hole with 15 SKS CEMENT, MIX
200 SKS 60/40 02 10% SALT 2% GEL
3/4 OF 1 1/2 CO-31 DOWN 5 1/2 CASING
+ DISPLACE WITH 109 BBL
PLUG LANDED
FLOAT DEAN'T HOLD

Thank You

SERVICE

DEPTH OF JOB 4620'

PUMP TRUCK CHARGE 1130

EXTRA FOOTAGE @ _____

MILEAGE 45 MI @ 3 50 157 50

PLUG 5 1/2 Rubber @ _____ 50

_____ @ _____

_____ @ _____

TOTAL 1337 50

CHARGE TO: REXEL EXPLOR, INC.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

5 1/2'

<u>1- GUIDE SHOE</u>	@	<u>150</u>
<u>1- AFU INSERT</u>	@	<u>235</u>
<u>6- CENTRALIZERS</u>	@ <u>50 00</u>	<u>300</u>
<u>1- BASKET</u>	@	<u>128</u>
<u>1- PORT COLLAR</u>	@	<u>1750</u>

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.

RECEIVED
MAY 14 2006

TAX _____

TOTAL CHARGE KCC WICHITA

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Bennie Dills

PRINTED NAME _____

ALLIED CEMENTING CO., INC. 13428

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

SERVICE POINT:
OAKLEY KS

DATE <u>9-25-03</u>	SEC. <u>11</u>	TWP. <u>17</u>	RANGE <u>31</u>	CALLED OUT <u>9:30pm</u>	ON LOCATION <u>10:00pm</u>	JOB START <u>11:45</u>	JOB FINISH <u>12:20 AM</u>
LEASE <u>Pember</u>	WELL # <u>11-D #1</u>		LOCATION <u>Nearly 5w - 3/4s w in</u>	COUNTY <u>Scott</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)				KCC			

CONTRACTOR L D Dwy
 TYPE OF JOB SURFACE
 HOLE SIZE 12 1/4 T.D. 319'
 CASING SIZE 8 5/8 23# DEPTH 316'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 19.1 BRLS

OWNER same MAY 03 2006

CEMENT **CONFIDENTIAL**
 AMOUNT ORDERED 180 sks com
3% cc, 2% accel

COMMON	<u>180</u>	@ <u>8³⁵</u>	<u>1503⁰⁰</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>10⁰⁰</u>	<u>30⁰⁰</u>
CHLORIDE	<u>6</u>	@ <u>30⁰⁰</u>	<u>180⁰⁰</u>
		@	
		@	
		@	
		@	
HANDLING	<u>180</u>	@ <u>1¹⁵</u>	<u>207⁰⁰</u>
MILEAGE	<u>54 / SK / mil</u>		<u>405⁰⁰</u>
			TOTAL <u>2325⁰⁰</u>

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy
 # 300 HELPER WAYNE
 BULK TRUCK
 # 315 DRIVER LONNIE
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Cement 8 5/8 cs, to a depth of 316' with 180 sks com
3% cc 2% accel. Displace
plug to within 15' of bottom
cement did circulate
Plug down @ 12:15 am
THANKS FUZZY

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>520⁰⁰</u>
EXTRA FOOTAGE		@	<u>157⁵⁰</u>
MILEAGE	<u>45 @ 3⁵⁰</u>	@	<u>157⁵⁰</u>
PLUG	<u>8 5/8</u>	@ <u>45⁰⁰</u>	<u>450⁰⁰</u>
		@	
		@	
			TOTAL <u>727⁵⁰</u>

CHARGE TO: Ritchie Expl. Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

 @ **RECEIVED**
 @ **MAY 14 2006**
 @ **KCC WICHITA**
 @ _____

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 Michael Redigo

TAX _____
 TOTAL CHARGE ~~727.50~~
 DISCOUNT ~~00.00~~ IF PAID IN 30 DAYS
 PRINTED NAME Michael Redigo