

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: NCRA
Operator Contact Person: John Niernberger
Phone: (316) 691-9500
Contractor: Name: L.D. Drilling, Inc.
License: 6039
Wellsite Geologist: Kim Shoemaker

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. _____

3/4/06 3/14/06 3/14/06
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 101-21907-00-00
County: Lane
30°E E/2 NW SW Sec. 20 Twp. 17 S. R. 30 East West
1980 feet from (S) N (circle one) Line of Section
1020 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: KEAVS Well #: 1
Field Name: _____

Producing Formation: _____
Elevation: Ground: 2885' Kelly Bushing: 2890'
Total Depth: 4610' Plug Back Total Depth: 4569'
Amount of Surface Pipe Set and Cemented at 221 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2243' Feet
If Alternate II completion, cement circulated from 2243'
feet depth to surface w/ 330 sx cmt.

Drilling Fluid Management Plan AH II NH 7-7-08
(Data must be collected from the Reserve Pit)
Chloride content 18400 ppm Fluid volume 690 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: [Signature]
Title: Production Manager Date: 6/29/06
Subscribed and sworn to before me this 29th day of June, 2006.
Notary Public: [Signature]
Date Commission Expires: 5/14/07

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
JUL 05 2006

DEBRA K. PHILLIPS
Notary Public - State of Kansas
My Appt. Expires 5/14/07

KCC WICHITA

KCC

JUN 29 2006

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Side Two

Operator Name: Ritchie Exploration, Inc. Lease Name: KEAVS Well #: 1
 Sec. 20 Twp. 17 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 Yes No
(Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
(Submit Copy)

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

SEE ATTACHED

List All E. Logs Run:

Dual Induction Log
 Compensated Density/Neutron Log
 Gamma Ray CCL Log

CASING RECORD <input checked="" 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#	224'	common	160	3%cc, 2% gel
Production	7-7/8"	4-1/2"	10.5#	4596'	60/40 pozmix	225	10% salt, 2% gel, 3/4 of 1% CD31

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	4018' - 4022'	Common	125	Squeeze (4/5/06)

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	4018' - 4022' (4/3/06) (LKC-E) (reperf 4/10/06)	750 gals 15% NE (4/4/06) & 300 gals 15% NE (4/12/06)	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8	4533'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 4/14/06			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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
	19		5		30.8

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-1B.)*
 METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____
 Production Interval _____

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JUL 05 2006

KCC WICHITA



RITCHIE

EXPLORATION, INC.
Wichita, Kansas

KCC
JUN 28 2006
CONFIDENTIAL

#1 KEAVS

1980' FSL & 1020' FWL
30'E of E/2 NW SW Section 20-17S-30W
Lane County, Kansas
API# 15-101-21907-0000
Elevation: 2885' GL: 2890' KB

<u>Sample Tops</u>			<u>Ref. Well</u>
Anhydrite	2257'	+633	-3
B/Anhydrite	2278'	+612	-5
Heebner	3893'	-1003	+4
Lansing	3930'	-1040	+6
Lansing "E" zone	4015'	-1125	+9
Muncie Shale	4102'	-1212	+10
Hush. Shale	4252'	-1362	+3
B/KC	4293'	-1403	+1
Altamont	4346'	-1456	+2
Myric	4445'	-1555	+2
Fort Scott	4461'	-1571	+3
Cherokee Shale	4486'	-1596	+1
Johnson	4524'	-1634	+5
Mississippian	4562'	-1672	n/a
RTD	4610'	-1720	

RECEIVED
JUL 05 2006
KCC WICHITA

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. 22397

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

 SERVICE POINT: Cakley

KEANS '1

KCCO
 JUL 2 2006
 CONFIDENTIAL

DATE <u>3-5-06</u>	SEC <u>20</u>	TWP <u>13</u>	RANGE <u>30E</u>	CALLED OUT	ON LOCATION <u>1100 AM</u>	JOB START <u>2:20 PM</u>	JOB FINISH <u>2:45 PM</u>
LEASE <u>Reas</u>	WELL # <u>1</u>	LOCATION <u>Healy 3 E. 2 1/2 S E15</u>		COUNTY <u>Leue</u>	STATE <u>KS</u>		

CONTRACTOR <u>LD Drlg</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>228'</u>
CASING SIZE <u>8 7/8</u>	DEPTH <u>228'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>151</u>	
PERFS.	
DISPLACEMENT <u>13 1/2</u>	

CEMENT	
AMOUNT ORDERED	
<u>160 SKS Com 3/4" Cc 7" GEL</u>	
COMMON <u>160 SKS</u>	@ <u>11.00</u> <u>1760.00</u>
POZMIX	@
GEL <u>3 SKS</u>	@ <u>15.00</u> <u>45.00</u>
CHLORIDE <u>6 SKS</u>	@ <u>42.00</u> <u>252.00</u>
ASC	@
HANDLING <u>169 SKS</u> @ <u>1.70</u> <u>287.30</u>	
MILEAGE <u>74 SK/mile</u>	<u>591.50</u>
TOTAL <u>3935.80</u>	

EQUIPMENT

PUMP TRUCK CEMENTER <u>Dean</u>	
# <u>323-281</u> HELPER <u>Andrew</u>	
BULK TRUCK	
# <u>218</u> DRIVER <u>Mike</u>	
BULK TRUCK	
# DRIVER	

REMARKS:

Cement did circulate

Thank you

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

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>735.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>50 miles</u>	@ <u>5.00</u> <u>250.00</u>
MANIFOLD	@
TOTAL <u>985.00</u>	

PLUG & FLOAT EQUIPMENT

<u>8 7/8 Surface Plug</u>	@	<u>55.00</u>
		@
		@
		@
		@
RECEIVED		
JUL 05 2006		
TOTAL		<u>55.00</u>

KCC WICHITA

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

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 Bill Owen

Bill Owen
 PRINTED NAME Bill Owen

ALLIED CEMENTING CO., INC.

25336

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

SERVICE POINT:
Ogkley

*REC'D
JUL 2 2006
BY [unclear]*

DATE <u>3-17-06</u>	SEC <u>20</u>	TWP <u>17s</u>	RANGE <u>30w</u>	CALLED OUT	ON LOCATION <u>9:50 AM</u>	JOB START <u>11:00 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Rears</u>	WELL # <u>1</u>	LOCATION <u>Healy 3F 2 1/2 S E 15</u>		COUNTY <u>Lane</u>	STATE <u>Ks</u>		

CONTRACTOR H-D well service OWNER Same
TYPE OF JOB Port Collar

HOLE SIZE	T.D.	CEMENT
CASING SIZE <u>4 1/2</u>	DEPTH	AMOUNT ORDERED
TUBING SIZE <u>2 3/8</u>	DEPTH	<u>450 sks 60/40 Por 626 gal 1/4 Flo Seal</u>
DRILL PIPE	DEPTH	<u>Use 330 sks</u>
TOOL <u>Port Collar</u>	DEPTH <u>2238</u>	
PRES. MAX	MINIMUM	COMMON <u>198 sks @ 11.00 2178.00</u>
MEAS. LINE	SHOE JOINT	POZMIX <u>132 sks @ 5.20 686.80</u>
CEMENT LEFT IN CSG.		GEL <u>17 sks @ 15.00 255.00</u>
PERFS.		CHLORIDE @
DISPLACEMENT <u>8 bbls</u>		ASC @

EQUIPMENT

PUMP TRUCK CEMENTER <u>Dean</u>	
# <u>373-281</u> HELPER <u>Andrew</u>	
BULK TRUCK	
# <u>399</u> DRIVER <u>Kelly</u>	
BULK TRUCK	
#	DRIVER

HANDLING <u>473 sks @ 1.70 804.10</u>
MILEAGE <u>74 sk/mile 1655.50</u>
TOTAL <u>5728.40</u>

REMARKS:
Pressure Test to 1100#, cper tool
pump had blow. Mix 330 sks Lite
1/4 Flo Seal, Disp 8 bbls, shut tool
pressure 1100# ck. Ran 5 turns
revised Tub Clean.
Cement did Circulate.

Thank you

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

SERVICE

DEPTH OF JOB <u>2238</u>	
PUMP TRUCK CHARGE <u>860.00</u>	
EXTRA FOOTAGE @	
MILEAGE <u>50 miles @ 5.00 250.00</u>	
MANIFOLD @	
TOTAL <u>1110.00</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.

PLUG & FLOAT EQUIPMENT

RECEIVED @	
JUL 15 2006 @	
KCC WICHITA @	
TOTAL _____	
TAX _____	
TOTAL CHARGE <u>[scribble]</u>	
DISCOUNT _____ IF PAID IN 30 DAYS	

SIGNATURE Bennie Duke

PRINTED NAME

ALLIED CEMENTING CO., INC. 23890

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

SERVICE POINT: OAKLEY

KCC
APR 20 2006
PRODUCTION

DATE <u>4-5-06</u>	SEC. <u>20</u>	TWP. <u>12S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>11:00 AM</u>	JOB START <u>11:30 AM</u>	JOB FINISH <u>2:15 PM</u>
LEASE <u>PLAINS</u>	WELL # <u>1</u>	LOCATION <u>HEALY 20-25-E FN</u>		COUNTY <u>LANE</u>	STATE <u>KS</u>		

CONTRACTOR <u>PLAINS</u>	OWNER <u>SAME</u>
TYPE OF JOB <u>SQUEEZE</u>	
HOLE SIZE _____ T.D. _____	CEMENT
CASING SIZE <u>4 1/2"</u> DEPTH _____	AMOUNT ORDERED <u>200 SKS COM</u>
TUBING SIZE <u>2"</u> DEPTH <u>3853'</u>	<u>5 SKS CC ON SIDE</u>
DRILL PIPE _____ DEPTH _____	<u>USED 125 SKS COM</u>
TOOL _____ DEPTH _____	
PRES. MAX _____ MINIMUM _____	COMMON <u>125 SKS @ 11⁰⁰</u> <u>1375⁰⁰</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX _____ @ _____
CEMENT LEFT IN CSG. _____	GEL _____ @ _____
PERFS. <u>4018' TO 4022'</u>	CHLORIDE _____ @ _____
DISPLACEMENT _____	ASC _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER <u>TERRY</u>
<u>191</u> HELPER <u>JARROD</u>
BULK TRUCK
<u>218</u> DRIVER <u>MIKE</u>
BULK TRUCK
_____ DRIVER _____

HANDLING <u>205 SKS @ 120</u> <u>348⁵⁰</u>
MILEAGE <u>74 PER SK / MILE</u> <u>789²⁵</u>
TOTAL <u>2512⁷⁵</u>

REMARKS:

SET PACKER AT 3853' PRESSURE
BACKSIDE TO 500PSI. TAKE RATE
3 1/2 BBL AT 1000 PSI. MIX 125 SKS
COM + SQUEEZE TO 2000PSI. REVERSE
OUT. PULL 10 SKS PRESSURE TO 500
PSI. SHUT IN

SERVICE

DEPTH OF JOB <u>3853'</u>
PUMP TRUCK CHARGE _____ <u>1450⁰⁰</u>
EXTRA FOOTAGE _____ @ _____
MILEAGE <u>55 MI @ 5⁰⁰</u> <u>275⁰⁰</u>
MANIFOLD _____ @ _____
TOTAL <u>1725⁰⁰</u>

THANK YOU

CHARGE TO: RETCHIE EXPLORATION

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

RECEIVED	_____ @ _____
JUL 05 2006	_____ @ _____
KCC WICHITA	_____ @ _____
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 Gay Rowe

PRINTED NAME

ALLIED CEMENTING CO., INC. 22277

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

SERVICE POINT:
Oakley

DATE <u>7/14/06</u>	SEC. <u>20</u>	TWP. <u>17s</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>10:30 AM</u>	JOB START <u>1:40 PM</u>	JOB FINISH <u>2:30 PM</u>
LEASE <u>Keays</u>		WELL # <u>1</u>	LOCATION <u>83rd Jct 13E 2 1/2 S E/S</u>		COUNTY <u>Laine</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR L.D. Drilling

TYPE OF JOB Cmt 4 1/2 Csg

HOLE SIZE 7 7/8 T.D. 4610

CASING SIZE 4 1/2 105# DEPTH 4605

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL Port Collar DEPTH 2233

PRES. MAX 1200 MINIMUM 150

MEAS. LINE _____ SHOE JOINT 20.47

CEMENT LEFT IN CSG. 20.47

PERFS. _____

DISPLACEMENT 72.9 BBL

OWNER Same

CEMENT

AMOUNT ORDERED 500 gal WFR-II

245 sks 60/40 + 22 gal 10% salt 420 gal

COMMON <u>147</u> sks @ <u>11.00</u>	<u>1617.00</u>
POZMIX <u>98</u> sks @ <u>5.120</u>	<u>509.60</u>
GEL <u>4</u> sks @ <u>15.00</u>	<u>60.00</u>
CHLORIDE @ _____	
ASC @ _____	
<u>Salt 23 sks</u> @ <u>17.30</u>	<u>397.90</u>
<u>CD-31 158#</u> @ <u>6.75</u>	<u>1066.50</u>
<u>DeFavor A 50#</u> @ <u>6.50</u>	<u>325.00</u>
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
HANDLING <u>276</u> sks @ <u>1.70</u>	<u>469.20</u>
MILEAGE <u>79/58/1 mi</u>	<u>966.00</u>
TOTAL	<u>5411.20</u>

EQUIPMENT

PUMP TRUCK CEMENTER Max

373-281 HELPER Denn

BULK TRUCK

399 DRIVER Larry

BULK TRUCK

_____ DRIVER _____

REMARKS:

Comp 500 gal Mud Flush Plug Rathole with 15 sks Cmt 4 1/2 Csg with 730 sks Drop Plug Washup Pump Lines Displace 73 BBL Land Plug Float Held

SERVICE

DEPTH OF JOB <u>4605</u>	
PUMP TRUCK CHARGE _____	<u>1510.00</u>
EXTRA FOOTAGE @ _____	
MILEAGE <u>50 mi</u> @ <u>5.00</u>	<u>250.00</u>
MANIFOLD @ _____	
<u>Head Rental</u> @ _____	<u>80.00</u>
_____ @ _____	
TOTAL	<u>1840.00</u>

CHARGE TO: Ritchie Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1-4 1/2 Rubber Plug</u> @ _____	<u>48.00</u>
<u>1-4 1/2 Guide Sizer</u> @ _____	<u>125.00</u>
<u>1-4 1/2 AFD Insert</u> @ _____	<u>210.00</u>
<u>2-4 1/2 Cement Baskets</u> @ <u>116.00</u>	<u>232.00</u>
<u>1-4 1/2 Port Collar (Blue)</u> @ _____	<u>1600.00</u>
<u>6-4 1/2 Centralizers</u> @ <u>45.00</u>	<u>270.00</u>
TOTAL	<u>2485.00</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.

TAX _____

RECEIVED

TOTAL CHARGE _____

JUL 15 2006

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Bennie Ditt

KCC WICHITA

PRINTED NAME _____



06/29/08

KCC
JUN 29 2006
CONFIDENTIAL

June 29, 2006

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

RE: #1 KEAVS
Sec. 20-17S-30W
Lane County, Kansas

RECEIVED
JUL 05 2006
KCC WICHITA

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