

CONFIDENTIAL

ORIGINAL

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

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: Berentz Drilling Co., Inc.
License: 5892

Wellsite Geologist: Bob Petersen
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. _____

<u>7/8/06</u>	<u>7/18/06</u>	<u>7/18/06</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-21915-0000
County: Lane
E/2 W/2 NE Sec. 4 Twp. 18S S. R. 30 East West
1351 feet from S / (N) (circle one) Line of Section
1771 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: Sharp 4AB Well #: 1
Field Name: _____

Producing Formation: _____
Elevation: Ground: 2872 Kelly Bushing: 2877
Total Depth: 4650 Plug Back Total Depth: 4621
Amount of Surface Pipe Set and Cemented at 216 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2199 Feet
If Alternate II completion, cement circulated from 2199
feet depth to surface w/ 325 sx cm.

Drilling Fluid Management Plan ALF INT 7-31-08
(Data must be collected from the Reserve Pit)
Chloride content 19000 ppm Fluid volume 440 bbis
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: 10/26/06
Subscribed and sworn to before me this 26th day of October,
2006.
Notary Public: [Signature]
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
OCT 27 2006

KCC WICHITA

Operator Name: Ritchie Exploration, Inc. Lease Name: Sharp 4AB Well #: 1
 Sec. 4 Twp. 18S 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

KCC

OCT 25 2006

CONFIDENTIAL

List All E. Logs Run:

Correlation Log
 Dual Induction Log
 Compensated Density/Neutron PE Log

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	225	common	150	3%cc, 2% gel
Production	7-7/8	4-1/2	10.5	4646	60/40 pozmix	235	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
___ 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
4	4450.3'-4453.3' (Myric Station), 4420.8'-4423.8' (Pawnee) (8/1/06)	1250 gallons 15% NE	
4	4268.5'-4270.5'(LKC-L), 4225'-4230' & 4236.3'-4239.3 (LKC-K),		
	4191.5'-4195.5' & 4200.3'-4203.3' (LKC-J) (8/2/06)		

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2-3/8	4591			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumerd Production, SWD or Enhr. 8/22/06			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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	56		31		37.5		

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Submit ACO-18.) Other (Specify) _____

RECEIVED
 OCT 27
 KCC WILSON



#1 Sharp 4AB
1351' FNL & 1771' FEL
31'S & 121'W of E/2 W/2 NE Section 4-18S-30W
Lane County, Kansas
API# 15-101-21915-0000
Elevation: 2872' GL, 2877' KB

KCC
OCT 26 2006
CONFIDENTIAL

<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	2237'	+640	flat	
B/Anhydrite	2256'	+621	+1	
Heebner Shale	3912'	-1035	+5	
Lansing	3954'	-1077	+7	
Muncie Shale	4119'	-1242	+9	
Lansing "J"	4195'	-1318	+7	
Stark Shale	4221'	-1344	+6	
Lansing "K"	4227'	-1350	+8	
Altamont	4348'	-1471	+10	
Pawnee	4414'	-1537	+19	
Fort Scott	4461'	-1584	+27	
Cherokee Shale	4483'	-1606	+27	
Johnson	4521'	-1644	+30	
Mississippian	4540'	-1663	+36	
RTD	4650'	-1773		

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

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

RECEIVED
OCT 27 2006
KCC WICHITA

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

ALLIED CEMENTING CO., INC. 24434

Federal Tax I.D.:

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

SERVICE POINT:
Oakley

DATE <u>7-8-06</u>	SEC <u>4</u>	TWP <u>18s</u>	RANGE <u>30w</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 PM</u>	JOB FINISH <u>8:30 PM</u>
LEASE <u>Sharp HAB</u>	WELL # <u>1</u>	LOCATION <u>Amy 2 1/2 W 3 N E 5 SW</u>			COUNTY <u>Lane</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Berentz Drig Rig 6 OWNER Same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 232' CEMENT AMOUNT ORDERED 160 sks com 3 2 cc 2 2 G gel

CASING SIZE 8 5/8 DEPTH 225'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 1/4 Bbls

EQUIPMENT

PUMP TRUCK CEMENTER Dean

191 HELPER Fuzzy

BULK TRUCK

315 DRIVER Rex

BULK TRUCK

DRIVER

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Ritchie Exploration

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 Dean A. Mortimer

SERVICE

DEPTH OF JOB 225'

PUMP TRUCK CHARGE 965.00

EXTRA FOOTAGE @

MILEAGE 42 miles @ 5.00 210.00

MANIFOLD @

@

TOTAL 1175.00

PLUG & FLOAT EQUIPMENT

8 5/8 Surface Plug @ 60.00

@

@

@

TOTAL 60.00

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

RECEIVED
OCT 27 2006
KCC WICHITA

OCT 28 2006
CONFIDENTIAL

ALLIED CEMENTING CO., INC. 23789

Federal Tax I.D.:

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

SERVICE POINT:
Mass City

DATE <u>7-13-06</u>	SEC. <u>33</u>	TWP. <u>17</u>	RANGE <u>30W</u>	CALLED OUT <u>11:00 pm</u>	ON LOCATION <u>2:30 am</u>	JOB START <u>8:30 am</u>	JOB FINISH <u>10:30 am</u>
LEASE <u>Sharp</u>	WELL <u>44</u>	LOCATION <u>Army - 2 1/2 west - 3 north</u>	COUNTY <u>Lane</u>		STATE <u>Ks</u>		
OLD OR NEW (Circle one)		<u>1/2 east - 3 north inter</u>					

CONTRACTOR Reents Drilg OWNER Pitcher Exploration

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4650'

CASING SIZE 4 1/2 DEPTH 4647'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 1000' MINIMUM _____

MEAS. LINE _____ SHOE JOINT

CEMENT LEFT IN CSG. approx 20'

PERFS. _____

DISPLACEMENT 73 1/2 BBLs

EQUIPMENT

PUMP TRUCK CEMENTER Jack

2261 HELPER John

BULK TRUCK _____

3141 DRIVER B. Coty

BULK TRUCK _____

_____ DRIVER _____

CEMENT

AMOUNT ORDERED 250 M 4735 109.50 salt

2% gel - 3 bags 1 to CO-31 De Soamer

* 500 gal of mud flush

COMMON	<u>150 M.</u>	@	<u>12.20</u>	<u>1830.00</u>
POZMIX	<u>100 M.</u>	@	<u>6.10</u>	<u>610.00</u>
GEL	<u>4 M.</u>	@	<u>16.65</u>	<u>66.60</u>
CHLORIDE		@		
ASC		@		
ACD-31	<u>100 #</u>	@	<u>7.50</u>	<u>750.00</u>
D-FORM	<u>40 #</u>	@	<u>7.20</u>	<u>288.00</u>
A-FLUSH	<u>500 GAL</u>	@	<u>1.00</u>	<u>500.00</u>
SALT	<u>15 M.</u>	@	<u>19.20</u>	<u>288.00</u>
		@		
		@		
		@		
		@		
HANDLING	<u>273 M.</u>	@	<u>1.90</u>	<u>518.70</u>
MILEAGE	<u>273 M. @ 42</u>			<u>917.28</u>
TOTAL				<u>6226.08</u>

REMARKS:

Ran 15 to 2 1/2 csg - Backed in with
usual 4 csg 1 1/2 - stop & mix 5 BBL water
10 BBL of mud flush & 10 BBL of water
stop - plug rest hole with 15% cement -
mix 2.35 w/ cement - Displace plug
with 73 1/2 BBL of water -
Plug Down @ 10:30 AM
Insert Metal

*Thanks again
Allied Cementing*

SERVICE

DEPTH OF JOB	<u>4647'</u>		
PUMP TRUCK CHARGE			<u>1750.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>42</u>	@	<u>5.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL <u>1960.00</u>			

CHARGE TO: Pitcher Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

Post collar @ 2200'

PLUG & FLOAT EQUIPMENT

<u>7 1/2 Turbo Cent</u>	@	<u>55.00</u>	<u>385.00</u>
<u>3 1/2 Baskets</u>	@	<u>130.00</u>	<u>390.00</u>
<u>1 7/8 Guide Shoe</u>	@	<u>125.00</u>	<u>125.00</u>
<u>1 1/2 insert</u>	@	<u>215.00</u>	<u>215.00</u>
<u>1 1/2 post collar</u>	@	<u>1600.00</u>	<u>1600.00</u>
<u>1 1/2 Rubber plug</u>		<u>55.00</u>	<u>55.00</u>
TOTAL <u>2770.00</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 _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE G. Rowe

PRINTED NAME JW

RECEIVED
OCT 27
KCC WICHITA

ALLIED CEMENTING CO., INC. 25067

Federal Tax I.D.#

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

SERVICE POINT:
OAKLEY

DATE <u>7-21-06</u>	SEC. A <u>4</u>	TWP. <u>18</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>10:30 AM</u>	JOB START <u>10:45 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>SHARP 4</u>	WELL # <u>AB#1</u>	LOCATION <u>HEAVY 1W-55-1/2E-45 E 1N</u>			COUNTY <u>LANE</u>	STATE <u>KS</u>	

CONTRACTOR P/AINS WELL SERVICE LLC OWNER SAM E
TYPE OF JOB PORT COLLAR

HOLE SIZE	T.D.
CASING SIZE <u>4 1/2"</u>	DEPTH
TUBING SIZE <u>2"</u>	DEPTH <u>2199'</u>
DRILL PIPE	DEPTH
TOOL <u>PORT COLLAR</u>	DEPTH <u>2199'</u>
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT		
AMOUNT ORDERED		
<u>275 SKS 60/40 POZ GEL 1/4" FLO-SEAL</u>		
<u>USED 325 SKS 60/40 POZ GEL 1/4" FLO-SEAL</u>		
COMMON <u>195 SKS</u>	@ <u>12.20</u>	<u>2379.00</u>
POZMIX <u>130 SKS</u>	@ <u>6.10</u>	<u>793.00</u>
GEL <u>17 SKS</u>	@ <u>16.65</u>	<u>283.05</u>
CHLORIDE	@	
ASC	@	
<u>FLO-SEAL 81'</u>	@ <u>2.00</u>	<u>162.00</u>
HANDLING <u>499 SKS</u>	@ <u>1.90</u>	<u>948.10</u>
MILEAGE <u>84 PER SK / MILE</u>		<u>2915.36</u>
TOTAL		<u>6880.51</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>TERRY</u>
# <u>191</u>	HELPER <u>WAYNE</u>
BULK TRUCK	
# <u>394</u>	DRIVER <u>MIAN</u>
BULK TRUCK	
#	DRIVER

REMARKS:

PRESSURE SYSTEM TO 1200 PSE.
OPEN PORT COLLAR MAX 325 SKS
60/40/02 GEL 1/4" FLO-SEAL. DISPLACE
80BL. CLOSE PORT COLLAR PRESSURE
SYSTEM TO 1200 PSE. RUN 5 JTS
REVERSE OUT
CEMENT DID CIRCULATE

THANK YOU

CHARGE TO: RITCHIE EXPLORATION
STREET _____
CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2199'</u>	
PUMP TRUCK CHARGE		<u>955.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>58 MI</u>	@ <u>5%</u>	<u>290.00</u>
MANIFOLD	@	
TOTAL		<u>1245.00</u>

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.

SIGNATURE 

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS
PRINTED NAME fw

RECEIVED
OCT 2 1906
KCC WICHITA



10/26/06

October 26, 2006

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

KCC
OCT 26 2006
CONFIDENTIAL

RE: #1 Sharp 4AB
Sec. 4-18S-30W
Lane 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

RECEIVED
OCT 27 2006
KCC WICHITA