

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 193-20,613-00-00
County Thomas
100' S of
E/2-SE-NW Sec. 27 Twp. 10 Rge. 32W E

Operator: License # 4767

2080 Feet from S/N (circle one) Line of Section

Name: Ritchie Exploration, Inc.

2310 Feet from West (circle one) Line of Section

Address 125 N. Market, Suite 1000

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

City/State/Zip Wichita, KS 67202

Lease Name Hockersmith Well # 1-A

Purchaser: NA

Field Name Pac 83

Operator Contact Person: Bob Mathiesen

Producing Formation NA

Phone (316) 267-4375

Elevation: Ground 3039 KB 3044

Contractor: Name: White & Ellis **KCC**

Total Depth 4675 PBDT

License: 5420 **SEP 9**

Amount of Surface Pipe Set and Cemented at 2590 Feet

Wellsite Geologist: Kitt Noah **CONFIDENTIAL**

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion
 New Well Re-Entry Workover

If yes, show depth set _____ Feet

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan DIA #1, 10-12-93
(Data must be collected from the Reserve Pit)

Operator: RELEASED

Chloride content: 3000 ppm Fluid volume 900 bbls

Well Name: _____

Dewatering method used evaporation

Comp. Date OCT 26 1995
Old Total Depth

Location of fluid disposal if hauled offsite: _____

Deepening Re-Entry SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

Operator Name _____

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

6-23-93 7-3-93 7-3-93
Spud Date Date Reached TD Completion Date

Lease Name _____ License No. _____
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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-2 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 President Date 9-9-93

Subscribed and sworn to before me this 9th day of September 19 93.

Notary Public [Signature]

Date Commission Expires _____

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8-29-95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distributor KCC KGS
SWD/REP
SP/IF
RECEIVED
KANSAS CORPORATION COMMISSION
(Specify)
SEP 13 1993
09-13-1993
Form ACO-1 CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Hockersmith Well # 1-A

Sec. 27 Twp. 10 Rge. 32W
 East
 West

County Thomas

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

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 Datums Sample
Name Top Datum

SEE ATTACHED SHEET

CASING RECORD

New 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
conductor	17 1/2"	13 3/8"	54.5#	311'	60/40 poz	225	2% gel 3% CC
surface	12 1/4"	8 5/8"	24#	2590'	lite and 60/40 poz	200	6% gel 3% CC 1/2# cello flake
						150	2% gel 3% CC

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. Producing Method Flowing Pumping Gas Lift 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 _____

CONFIDENTIAL

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

KCC

SEP 9

CONFIDENTIAL

#1-A Hockersmith
100' S E/2 SE NW
Section 27-10S-32W
Thomas County, Kansas
API# 15-193-20,613-00-00
Elevation: 3039' G.L., 3044' K.B.

ORIGINAL

SAMPLE TOPS

Anhydrite	2578' (+ 466)
B/Anhydrite	2605' (+ 439)
Topeka	3783' (- 739)
Heebner	4003' (- 959)
Lansing	4041' (- 997)
Muncie Creek	4176' (-1132)
Stark	4261' (-1217)
B/KC	4324' (-1280)
Marmaton	4352' (-1308)
Pawnee	4447' (-1403)
Myrick Sta.	4492' (-1448)
Fort Scott	4512' (-1468)
Cherokee	4541' (-1497)
Johnson zn	4583' (-1539)
Congl.Sd.	4631' (-1587)
Miss.Lst.	4642' (-1598)
Miss.Dol.	4667' (-1623)
RTD	4675' (-1631)

RELEASED

OCT 26 1995

FROM CONFIDENTIAL

DST #1 from 4104' to 4125' (L/KC "E" zone). Recovered 2' oil, 90' very slight oil cut watery mud (1% oil, 50% mud, 49% water), and 833' water with few oil spots. 925' total fluid.

IFP:68-263#/30"; ISIP:1240#/30";
FFP:292-449#/30"; FSIP:1230#/30".

DST #2 from 4439' to 4610' (Pawnee - Johnson zone). Recovered 180' of gas in pipe, 6" of clean oil, 40' of very slight oil cut mud (2% oil, 98% mud) and 40' of gassy oil cut mud (40% gas, 20% oil, 40% mud).

IFP:39-48#/45"; ISIP:887#/45";
FFP:53-58#/45"; FSIP:828#/45".
RTD at 4675'. No electric log run.

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

SEP 13 1995

CONSERVATION DIVISION
Wichita, Kansas

15-193-20613-00-00

CASING RECORD

Hockersmith #1-A - Ritchie Exploration, Inc.
100' S of E/2 SE NW
Section 27-10S-32W
Thomas County, Kansas
API No. 15-193-20,613

6-23-93 Ran 8 jts. 13 3/8" casing new 54.5# tallied
302.78' set @ 311' w/ 225 sx. 60/40 poz 3% CC
2% Gel

6-27-93 Ran 6 jts. new 32# 8 5/8" on bottom and 53 jts.
new 24# 8 5/8" casing set at 2590' with basket at
1801' cemented with 200 sx. 60/40 poz 6% Gel 3% CC
1/4# celloflake, 150 sx. 60/40 poz 3% CC 2% Gel

7-3-93 Shot off and pulled 33 jts. 8 5/8"

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

CONFIDENTIAL ORIGINAL
 Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. 5016

Home Office P. O. Box 31 Russell, Kansas 67665

New 15-193-20613-00-00

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
6-26-93	27	10	32	9:00pm	10:00pm	2:40am	3:30am
Lease	Well No.	Location			County	State	
Hockersmith	1-A	Oakley 2N-4W-3S			Thomas	KS	

Contractor	White & Ellis Drly	
Type Job	Surface	
Hole Size	12 1/4	T.D. 2593
Csg.	8 5/8 24"	Depth 2600
Tbg. Size		Depth
Drill Pipe	LCC	Depth
Tool		Depth
Cement Left in Csg.	SEP 9	Shoe Joint 42.62
Press Max.	CONFIDENTIAL	Minimum
Meas Line		Displace 163 Bbls
Perf.		

Owner Ritchie Exploration
 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 listed.

Charge To Ritchie Exploration
 Street 125 N. Market Suite 1000
 City Wichita State Kansas
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Jim Pottzoh

CEMENT
 Amount 200sk 60/40 6% Gcl 3% CC 4" Cellolake
 Ordered 150sk 60/40 3% CC 2% Gcl

Consisting of			
Common	210sk	2	6 85
Poz. Mix	140sk	2	3 00
Gel.	7 sk	2	7 00
Chloride	11 sk	2	25 00
Quickset			
Cellolake	2sk (50 lbs)	2	11 00
			55 00

Handling	1 00 per sk.	350 00
Mileage	44 per sk / mile	45 00
	3 mil	
		Sub Total
		2632 50
		Total

Floating Equipment	
1- 8 5/8 TX Pattern Guide Shoe	240 00
1- 8 5/8 Barrel Plate	105 00
1- 8 5/8 Basket	180 00
Total	525 00

EQUIPMENT

No.	Cementer	
Pumptrk 300	Helper	Fitz Terry
No.	Cementer	
Pumptrk	Helper	
	Driver	RELEASED
Bulktrk 309-310	Driver	OCT 26 1995

DEPTH of Job 2593 FROM CONFIDENTIAL

Reference:	Description	Amount
1	8 5/8 Rubber Plug	83 00
	Pumptruck	430 00
	2 25 per mile	6 75
Sub Total		
Tax		
Total		519 75

Remarks:
 Mix Cement (Lead & Tail) Release
 Plug & Displace To Barrel
 No Returns @ any time
 Job finished 3:30am

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 STATE CORPORATION COMMISSION
 JUN 9 3 100976 SEP 13 1993

Phone 913-483-2627, Russell, Kansas

CONFIDENTIAL

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Ness City 913-798-3843

New

ALLIED CEMENTING CO., INC.

5033

Home Office P. O. Box 31

Russell, Kansas 67665

15-193-20613-00-00

Date	7-3-93	Sec.	27	Twp.	10	Range	32W	Called Out	2:00 AM	On Location	3:30 AM	Job Start	4:15 AM	Finish	2:40 PM	
Lease	Hockersmith	Well No.	#1A Twin			Location			Oakley 3N-1W-1/2 S			County	Thomas		State	KS.
Contractor	White + Ellis Org.															
Type Job	PT A															
Hole Size	7 7/8			T.D.	4675											
Csg.				Depth												
Tbg. Size				Depth	HCC											
Drill Pipe				Depth	SEP 9											
Tool				Depth												
Cement Left in Csg.				Shoe Joint	CONFIDENTIAL											
Press Max.				Minimum												
Meas Line	RELEASED			Displace												
Perf.	OCT 26 1995															
EQUIPMENT FROM CONFIDENTIAL																
Pumptrk	No.	Cementer	Ken Terry													
Pumptrk	No.	Helper														
Bulktrk	No.	Cementer	Fitz													
Bulktrk	No.	Helper														
Bulktrk	No.	Driver														
Bulktrk	No.	Driver														
DEPTH of Job 2640																
Reference:	Pumptruck		.525 ⁰⁰													
	2 ²⁵ per mile		6 ⁷⁵													
Sub Total																
Tax																
Total		531 ⁷⁵														
Remarks:	50 SK. @ 2640 ft. 50 SK. @ 1412 ft. 40 SK. @ 357 ft. 15 SK. @ 40 ft. 15 SK. in Rat Hole															

Owner Ritchie Exploration
 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 listed.

Charge To Ritchie Exploration
 Street 125 N. Market Suite 1000
 City Wichita State Kansas

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *[Signature]*
 X *[Signature]*
 CEMENT

Amount Ordered	170 SK. 40/40 Pkg 67 gal 310 CC		
Consisting of			
Common	102	SKs @ 6 ⁸⁵	698 ⁷⁰
Poz. Mix	68	SKs @ 3 ⁰⁰	204 ⁰⁰
Gel.	6	SKs @ 7 ⁰⁰	42 ⁰⁰
Chloride	5	SKs @ 25 ⁰⁰	125 ⁰⁰
Quickset			

Handling 1⁰⁰ per SK 170⁰⁰
 Mileage 4¢ per SK/mile 45⁰⁰
 3 miles
 Sub Total 1284⁷⁰
 JUL 93 100985⁴ Total

Floating Equipment

copy T/H.T.
7-21-93

RECEIVED STATE CORPORATION COMMISSION

SEP 13 1993

CONSERVATION DIVISION Wichita, Kansas

CONFIDENTIAL

NEW ORIGINAL

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

5582

Home Office P. O. Box 31

Russell, Kansas 67665

15-193-20613-00-00

Date	6-23-93	Sec.	27	Twp.	10	Range	32	Called Out	9:00 AM	On Location	11:30 AM	Job Start	5:20 PM	Finish	6:00 PM
Lease	Hockey Smith	Well No.	1-A	Location	2N 3/4 W Oakley			County	Thomas	State	KS				

Contractor	White & Ellis Rig 9		
Type Job	Surface		
Hole Size	17 1/2"	T.D.	312'
Csg.	13 3/8"	Depth	310'
Tbg. Size		Depth	N/C
Drill Pipe		Depth	SEP 9
Tool		Depth	
Cement Left in Csg.	20'	Shoe Joint	CONFIDENTIAL
Press Max.		Minimum	
Meas Line	110	Displace	44 1/4 cbls
Perf.			

EQUIPMENT

No.	Cementer	Dean Rundle
Pumptrk 277	Helper	
No.	Cementer	Carl Buttin
Pumptrk 279	Helper	Wayne
	Driver	
Bulktrk 285		
Bulktrk	Driver	

DEPTH of Job	300'
Reference:	Pump Trk Chrg 4300.00
	2.3 per mile 3 miles 6.75
	Sub Total 436.75
	Tax
	Total

Remarks: Ran 8 Joints of 13 3/8 csg
Cement did circulate

Owner Ritchie Exploration Inc
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 listed.

Charge To Ritchie Exploration Inc
Street 125 N. Market Suite 1000
City Wichita State KS 67202
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
X James Cromwell

CEMENT

Amount Ordered	225 sks 60/40 3% CO 2% Gel
Consisting of	
Common	135 685 924.75
Poz. Mix	90 3.00 270.00
Gel.	4 7.00 N/C
Chloride	7 25.00 175.00
Quickset	RELEASED

OCT 26 1995

Handling	100	225.00
Mileage	3m FROM CONFIDENTIAL	45.00
	Sub Total	1639.75
	Total	

Floating Equipment

JUN 9 3

1009719

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Thank You

SEP 13 1993

CONSERVATION DIVISION
Wichita, Kansas

COPY

ORIGINAL

CONFIDENTIAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 193-20,613-00-00

County Thomas
100 S of E/2 SE NW Sec. 27 Twp. 10 Rge. 32W E

2080 Feet from S/N (circle one) Line of Section
2310 Feet from West (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
ME, SE, NW or SW (circle one)

Lease Name Hockersmith Well # 1-A
Field Name Pac 83

Producing Formation NA

Elevation: Ground 3039 KB 3044

Total Depth 4675 PBDT _____

Amount of Surface Pipe Set and Cemented at 2590 Feet

Multiple Stage Cementing Collar Used? Yes X No _____

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan DFA # 10-12-93
(Data must be collected from the Reserve Pit)

Chloride content 3000 ppm Fluid volume 900 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: NA

Operator Contact Person: Bob Mathiesen

Phone (316) 267-4375

Contractor: Name: White & Ellis KCC

License: 5420 SEP 9

Wellsite Geologist: Kitt Noah CONFIDENTIAL

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: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

6-23-93 7-3-93 7-3-93
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 on 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-2 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 [Handwritten Signature]

Title President Date 9-9-93

Subscribed and sworn to before me this 9th day of September 19 93.

Notary Public [Handwritten Signature]

Date Commission Expires _____

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8-27-95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distributor KCC SWD/Rep STAF
 KGS
RECEIVED
SEP 13 1993
(Specify)