

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

ORIGINAL

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, ste. 1000

City/State/Zip Wichita, KS 67202

Purchaser: Koch

Operator Contact Person: Jeff Christian

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Kevin Kessler

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: RELEASED

Well Name: 5-24-95

Comp. Date MAY 24 1995 Old Total Depth _____

Deepening Plug Back Commingled Dual Completion Other (SWD or Inj?)
 SWD SIOW ENHR SIGW Temp. Abd.
 PBTB Docket No. _____
 PBTB Docket No. _____
 PBTB Docket No. _____

12/07/92 12/13/92 1-21-93
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22693 -00-00

County Graham

SE NW NE Sec. 14 Twp. 6S Rge. 23 X W

4290 Feet from 8 (circle one) Line of Section

1650 Feet from 8 (circle one) Line of Section

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

Lease Name Kemper 14A Well # 2

Field Name _____

Producing Formation L/KC

Elevation: Ground 2354' KB 2359'

Total Depth 3815' PBTB 3783'

Amount of Surface Pipe Set and Cemented at 246 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2024' Feet

If Alternate II completion, cement circulated from 2024'

feet depth to surface w/ 525 sx cmt.

Drilling Fluid Management Plan ALT 2 3-16-92
(Data must be collected from the Reserve Pit)

Chloride content 1500 ppm Fluid volume 900 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____

Quarter Sec. 14 Twp. 6S Rng. 23 E/W

County Graham 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-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 President Date 2-16-93

Subscribed and sworn to before me this 16th day of February 19 93.

Notary Public [Signature]

Date Commission Expires _____

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-24-95

2-17-93
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
STATE CORPORATION COMMISSION
Distribution
 KCC SWD/Rep
 KGS Plug
RECEIVED
FEB 17 1993
(Specify)
CONSERVATION DIVISION
Wichita, Kansas

P1

Operator Name Ritchie Exploration, Inc. Lease Name Kemper 14A Well # 2
 Sec. 14 Twp. 6S Rge. 23 East County Graham West

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.)

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

see attached sheet

List All E.Logs Run:

Radiation-Guard Log
 Correlation Sonic Cement Bond 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"	28#	246'	60/40	165	2%Gel 3%CC
production	7-7/8"	5 1/2"	14#	3813'	60/40	125	10%salt

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 type="checkbox"/> 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
3	3751'-3754' 180' zone	600 gal. 15% NE	3751'-54'
3	3649'-3652' 50' zone	600 gal. 15% NE	3649'-52'

TUBING RECORD		Size	Set At	Becker At	Liner Run
		2 3/8"	3778'	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method			
1-21-93		<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
	15	0	132		

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

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000
Wichita, Kansas 67202-1775
316-267-4375 FAX 316-267-3026

#2 Kemper-14A
SE NW NE
Section 14-6S-23W
Graham County, Kansas
API# 15-065-22,693

ORIGINAL

FEB 1 6

CONFIDENTIAL

RELEASED

MAY 2 4 1995

FROM CONFIDENTIAL

ELECTRIC LOG TOPS

Anhydrite	2033'(+ 326)
B/Anhydrite	2065'(+ 294)
Topeka	3364'(-1005)
Heebner	3563'(-1204)
Toronto	3587'(-1228)
Lansing	3604'(-1245)
B/KC	3792'(-1433)
LTD	3816'(-1457)

DST #1 from 3586' to 3610' (Top zone). Recovered 300' gas in pipe; 100' free oil; 80' very slight oil cut muddy water; and 420' saltwater.

IFP:66-171#/30";ISIP:353#/45";
FFP:238-267#/30";FSIP:353#/45".

DST #2 from 3614' to 3658' (35' and 50' zones). Recovered 390' gas in pipe; 205' free oil; 120' mud and water cut oil (75% oil, 20% water, 5% mud); 240' water and oil cut mud (20% oil, 15% water, 65% mud); and 1200' saltwater. 1765' total fluid (19% oil, 71% water, 10% mud).

IFP:185-505#/30";ISIP:1126#/30";
FFP:620-820#/30";FSIP:1126#/30".

DST #3 from 3654' to 3675' (90' and 100' zones). Recovered 360' saltwater.

IFP:47-76#/45";ISIP:1068#/45";
FFP:114-162#/45";FSIP:1049#/45".

DST #4 from 3728' to 3755' (180' zone). Recovered 25' free oil and 360' saltwater.

IFP:85-114#/30";ISIP:744#/30";
FFP:162-181#/30";FSIP:639#/30".

PLEASE RETURN THIS
INFO
CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

FEB 17 1993

CONSERVATION DIVISION
Wichita, Kansas

Russell, Kansas
793-5861, Great Bend, Kansas

ORIGINAL

New FEB 16

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

2173

Date	12-14-92	Sec.	14	fwp.	6 ^s	Range	23 ^w	Called Out	4:00 A.M.	On Location	8:00 A.M.	Job Start	6:15 P.M.	Finish	8:00 P.M.
Lease	Kemper	Well No.	14 ^A -2	Location	Hill City 12N ³ / ₈ W ¹ / ₄ S			County	Graham	State	Ks.				
Contractor	Murtin Drq. Co.	Rig #	8	Owner	Same										
Type Job	Production String														
Hole Size	7 ⁷ / ₈ "	T.D.	3815'												
Csg. Size	5 ¹ / ₂ "	Depth	3813'												
Drill Pipe	8 ³ / ₈ "	Depth	246'												
Tool		Depth													
Cement Left in Csg.	14'	Shoe Joint	1381												
Press Max.	700 #	Minimum													
Meas Line	X	Displace	RELEASED												
Perf.															

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. 67202-1775

The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No. [Signature]
K [Signature]

EQUIPMENT

MAY 24 1995

No.	Cementer	FROM CONFIDENTIAL
Pumptrk 191	Helper	Gary H. Marlyn K.
No.	Cementer	
Pumptrk	Helper	
	Driver	Joe S.
Bulktrk #212		
Bulktrk	Driver	

Amount Ordered	140 sks 60/40 por 10% salt
Consisting of	360 Gilsonite, 500 gal. WFR II
Common	84 sks @ \$5.50/sk. #462.00
Poz. Mix	56 sks @ \$2.50/sk. 140.00
Gel.	
Chloride Salt	14 sks @ \$4.75/sk. 66.50
Quickset Gilsonite	363 # @ \$33+/116 119.79
WFR II	500 gal @ \$50+/96 gal. 250.00

DEPTH of Job

Reference #	Description	Amount
#1	Pumptruck-long string	880.00
#13	mileage @ \$2.00/mi.	96.00
	1-5 ¹ / ₂ " rubber plug	45.00
	Sub Total	1021.00
	Tax	
	Total	

Handling	\$1.00/sk. (140 sks)	140.00
Mileage	\$0.47/sk./mi. (48 mi.)	26.80
Sub Total		1447.09
DEC 21 1992		
JAN 12 1993		
Floating Equipment	5 ¹ / ₂ "	

Remarks: Float Held.
Plugged rat hole w/15 sks
Thanks

1-regular guide shoe	-	\$125.00
1-AFU insert (Flapper type)		89.00
1-cementing basket		127.00
1-centralizer		46.00
5-turbo centralizers		580.00
1-Baker port collar		1785.00
Total		2562.00

RECEIVED
WICHITA EXPLORATION COMMISSION
FEB 17 1993
Wichita, Kansas

Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

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

NEW

ALLIED CEMENTING CO., INC.

4227

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

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
12-7-92	14	6 S	23 W	5:30 PM	7:45 AM	10:15 AM	10:45 AM
Case	Well No.	Location		County	State		
KEMPER 14A	#2	Hillcity 11N 1/2W 1/4S 1/4E		GRAMM	KANSAS		

Contractor **MURFIN DRIG. RIG #8**

Type Job **SURFACE**

Core Size 12 1/4	T.D. 247'
Log. 8 5/8 20#	Depth 246'
Log. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. 15'	Shoe Joint FEB 1 6
Press Max.	Minimum CONFIDENTIAL
Meas Line	Displace 14 3/4 BBL

Owner
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 #1000**

City **Wichita** State **Kan 67202**

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

Phase Order No. **X**

[Signature]

CEMENT

Amount Ordered	165 SK 60/40 2% GEL 3% CC
Consisting of	
Common	99 SKS @ 5.50 = 544.50
Poz. Mix	66 SKS @ 2.50 = 165.00
Gel.	3 SKS @ 6.75 = 20.25
Chloride	4 SKS @ 21.00 = 84.00
Quickset	

EQUIPMENT

Pumptrk #177	Cementor <i>[Signature]</i>	Helper <i>[Signature]</i>
Pumptrk #218	Driver <i>[Signature]</i>	
Bulktrk	Driver	

Handling	1.00 per SK	165.00
Mileage	4¢ per SK/mile	303.60
	46 miles	
	Sub Total	
	Total	1,262.10

DEPTH of Job

Reference:	Pump Truck CHRG.	380.00
	2.00 per mile	92.00
1-8 5/8	RUBBER PLUG.	73.00
	Sub Total	545.00
	Tax	
	Total	

Floating Equipment **RELEASED**

MAY 24 1995

Remarks: **Cement Circulated**

[Signature]

FROM CONFIDENTIAL 11 1992

RECEIVED
STATE CORPORATION COMMISSION

FEB 17 1993

CONSERVATION DIVISION

3-2627, Russell, Kansas
 16-793-5861, Great Bend, Kansas

ORIGINAL

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

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

4095

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
<i>12-93</i>	<i>14</i>	<i>6</i>	<i>23</i>				<i>5:30 PM</i>
Lease	Well No.	Location		County	State		
<i>Kemper</i>	<i>14-A-2</i>	<i>Hill City 12 N 4 W 4 S 4 E</i>		<i>Graham</i>	<i>Ks</i>		
Contractor				Owner			
<i>Pauls Well Service</i>				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.			
Type Job				Charge To			
<i>Backside Squeezer</i>				<i>Ritchie Exploration</i>			
Hole Size		T.D.		Street		City	
<i>5 1/2</i>				<i>125 N Market #1000</i>		<i>Wichita</i>	
Csg.		Depth		State		The above was done to satisfaction and supervision of owner agent or contractor.	
<i>2 1/4</i>				<i>Kan 67202</i>			
Tbg. Size		Depth		Purchase Order No.			
<i>2 1/4</i>				<i>[Signature]</i>			
Drill Pipe		Depth		X			
Tool		Depth					
Cement Left in Csg.		Shoe Joint					
Press Max.		Minimum					
Meas Line		Displace					
Perf.							

EQUIPMENT

<i>Hay 3</i>	No.	Cementer	<i>Dave</i>
<i>Pumptrk 153</i>		Helper	<i>Mark</i>
	No.	Cementer	
<i>Pumptrk</i>		Helper	
		Driver	<i>Mike</i>
<i>Bulktrk 218</i>		Driver	

DEPTH of Job

Reference:	<i>Diamond trk chg</i>	<i>380.00</i>
	<i>2nd Per mile</i>	<i>48m 96.00</i>
	Sub Total	<i>476.00</i>
	Tax	
	Total	

Remarks: *pumped 125 slk down 8 1/2 max 400 psi / shut in @ 250 psi*

CEMENT

Amount Ordered	<i>125 30 6 1/2 gal</i>	
Consisting of		
Common	<i>63</i>	<i>550 346.50</i>
Poz. Mix	<i>62</i>	<i>250 155.00</i>
Gel.	<i>5</i>	<i>675 33.75</i>
Chloride		
Quickset		
Handling	<i>100</i>	<i>125.00</i>
Mileage	<i>48m FEB 16 04</i>	<i>240.00</i>
	Sub Total	<i>900.25</i>
	Total	

CONFIDENTIAL

Released
MAY 24 1995

FROM CONFIDENTIAL JAN 20 1993 RECEIVED STATE CORPORATION COMMISSION

FEB 17 1993

CONSERVATION DIVISION

Copy to Press 1-24-93 [Signature]

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

ORIGINAL FEB 16

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

ALLIED CEMENTING CO., INC.
 Home Office P. O. Box 31 Russell, Kansas 67665

4092

New

Date <i>1-8-93</i>	Sec.	Twp.	Range	Called Out	On Location <i>11:30AM</i>	Job Start	Finish <i>3:00PM</i>
Lease <i>Kemper</i>	Well No. <i>A-2</i>	Location <i>Hill City 12N 2W 4N 4E</i>			County <i>Graham</i>	State <i>Ks</i>	
Contractor <i>Pauls Well Service</i>				Owner			
Type Job <i>Port Collar</i>				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.			
Hole Size	T.D.			Charge To <i>Ritchie Exploration</i>			
Csg. <i>5 1/2</i>	Depth			Street <i>125 N Market #1000</i>			
Tbg. Size <i>2"</i>	Depth			City <i>Wichita</i> State <i>Kan</i> <i>67202</i>			
Drill Pipe	Depth			The above was done to satisfaction and supervision of owner agent or contractor.			
Tool <i>Baker</i>	Depth <i>2024</i>			Purchase Order No. <i>[Signature]</i>			
Cement Left in Csg.	Shoe Joint			X <i>[Signature]</i>			
Press Max.	Minimum			2 sand CEMENT			
Meas Line	Displace			Amount Ordered <i>400 50% 6% gel</i>			
Perf.				Consisting of			

EQUIPMENT

No.	Cementer	<i>Dave</i>
Pumptrk <i>153</i>	Helper	<i>Will</i>
No.	Cementer	
Pumptrk <i>160</i>	Helper	
	Driver	<i>Steve</i>
Bulktrk <i>160</i>	Driver	<i>Paul</i>

DEPTH of Job		
Reference:	<i>pump trk chg</i>	<i>475.00</i>
	<i>200 ft mile</i>	<i>48 m 96.00</i>
	Sub Total	<i>571.00</i>
	Tax	
	Total	

Remarks: *fasted plug @ 310 @ 1000psi, spot 2 sand opened port collar mixed 400 ck no blows*

Common	<i>200</i>	<i>5.50</i>	<i>1100.00</i>
Poz. Mix	<i>200</i>	<i>2.50</i>	<i>500.00</i>
Gel.	<i>14</i>	<i>6.75</i>	<i>94.50</i>
Chloride			
Quickset			
Sand	<i>2</i>	<i>4.75</i>	<i>9.50</i>
Handling	RELEASED	<i>100</i>	<i>400.00</i>
Mileage	<i>48 m</i>	<i>MAY 2 4 1995</i>	<i>.04 768.00</i>
		Sub Total	<i>2872.00</i>
		Total	

FROM CONFIDENTIAL

JAN 13 1993

RECEIVED

STATE CORPORATION COMMISSION

JAN 20 1993

FEB 17 1993

CONSERVATION DIVISION
 Wichita, Kansas