

ORIGINAL

KCC

JUL 1 6

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

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Suite 1000

City/State/Zip Wichita, KS 67202

Purchaser: Koch Oil Co.

Operator Contact Person: Jeff Christian

Phone (316) 267-4375

Contractor: Name: Murfin Drilling Co.

License: 30606

Wellsite Geologist: Kitt Noah

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

4/01/91 4/09/91 4/20/91
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22,627 -0000

County Graham

SW SW NW Sec. 14 Twp. 6S Rge. 23 East West

2970 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Rice Well # 1

Field Name unnamed

Producing Formation Lansing

Elevation: Ground 2368' KB 2373'

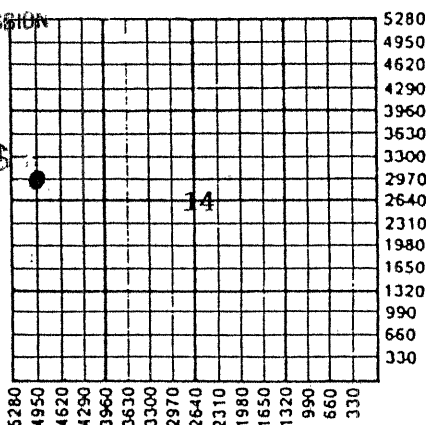
Total Depth 3830' P8TD _____

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CONSERVATION DIVISION
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CONFIDENTIAL

8-23-91



9-3-91

Amount of Surface Pipe Set and Cemented at 241' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2012' Feet

If Alternate II completion, cement circulated from 2012'

feet depth to surface w/ 350 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 7/17/91

Subscribed and sworn to before me this 17th day of July, 1991.

Notary Public Linda K. Rice

Date Commission Expires _____

LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 12-7-92

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC **RELEASED** SWD/Rep _____ NGPA
Plug _____ Other _____
(Specify)
AUG 0 2 1993

Form ACO-1 (7-89)
FROM CONFIDENTIAL

8-2-93

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Rice Well # 1
 Sec. 14 Twp. 6S Rge. 23W 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.)
 (See attached page).

Formation Description
 Log Sample
 Name Top Bottom
 (See attached page).

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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
Surface	12 1/2"	8-5/8"	28#	241'	60/40 poz	185	2% gel, 3%CC
Production	7-7/8"	4 1/2"	10.5#	3823'	60/40 poz	150	10% salt + 3% gilsonite

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
3 SSB	3605.8'-3610'	n/a

TUBING RECORD Size 2-3/8" Set At 13' off bottom Packer At Liner Run Yes No

Date of First Production 4/20/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 53 Bbls. Gas Mcf Water 0 Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) Production Interval 3605.8'-3610'

RI 11 2/91
 (100) (100) MORE

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

KCC
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Ritchie Exploration, Inc.
#4767
#1 Rice
SW SW NW
Section 14-6S-23W
Graham County, Kansas
API# 15-065-22,627

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FROM CONFIDENTIAL

ACO-1 form
Page 2

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DRILL STEM TESTS:

AUG 2 3 1991

CONSERVATION DIVISION
Wichita, Kansas

DST #1 from 3535' to 3555' (Oread "B").
Recovered 25' of muddy water.
IFP:21-21#/30"; ISIP:1082#/30";
FFP:21-21#/30"; FSIP:1082#/30".

ELECTRIC LOG TOPS

Anhydrite	2048' (+ 325)
B/Anhydrite	2080' (+ 293)
Topeka	3367' (- 994)
Heebner	3566' (-1193)
Toronto	3592' (-1216)
Lansing	3606' (-1233)
B/KC	Not logged.
*LTD	3800' (-1427)

DST #2 from 3563' to 3603' (Toronto). Recovered 30' of mud with show of oil in top of tool.
IFP:53-53#/30"; ISIP:1114#/30";
FFP:53-53#/30"; FSIP:1072#/30".

DST #3 from 3600' to 3625' (Top zone). Recovered 1,627' gas in pipe, 913' clean gassy oil and 248' slightly mud cut gassy oil.
IFP:181-255#/30"; ISIP:659#/45";
FFP:372-426#/30"; FSIP:617#/30".

*Electric log did not reach bottom. Est. LTD 3825'.

DST #4 from 3624' to 3663' (35' & 50' zones). Recovered 1,977' of muddy water.
IFP:330-567#/30"; ISIP:1146#/30";
FFP:722-839#/30"; FSIP:1146#/30".

DST #5 from 3661' to 3685' (70' & 90' zones). Recovered 2,470' of muddy water.
IFP:521-903#/30"; ISIP:1127#/30";
FFP:1051-1093#/30"; FSIP:1156#/30".

DST #6 from 3715' to 3830' (140' through 220' zones). Recovered 1,013' of watery mud, no show of oil (47% water, 53% mud).
NOTE: Packer failed momentarily.
IFP:287-319#/30"; ISIP:1177#/30";
FFP:426-447#/30"; FSIP:1093#/30".

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TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

RECEIVED
STATE CORPORATION COMMISSION

AUG 2 1991

TO: Ritchie Exploration Inc.
125 N. Market #1000
Wichita, Kansas 67202

INVOICE NO. 59277
PURCHASE ORDER NO. 10
LEASE NAME Rice #1
DATE April 15, 1991

W-7230001

SERVICE AND MATERIALS AS FOLLOWS:

APR 81

1 0 0 3 5 7 2

CMT PRODUCTION -
2nd STAGE

Common 175 sks @\$5.25 \$ 918.75
Pozmix 175 sks @\$2.25 393.75
Gel 12 sks @\$6.75 81.00

\$ 1,393.50

Handling 350 sks @\$1.00 350.00
Mileage (50) @\$0.04¢ per sk per mi 700.00
Pmp. trk & p. collar 475.00
Mf @\$2.00 pmp. trk. 100.00

1,625.00

Total \$ 3,018.50

Cement circ.

THANK YOU

6200-0270 = 3018.50

3820/70 = 54.2857

2914.80

APR 17 1991

APR 25 1991

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2 % Charged Thereafter.

2nd stage

ORIGINAL

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FROM CONFIDENTIAL

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W 7230001

02003

TELEPHONE: AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31 RUSSELL, KANSAS 67665

RECEIVED STATE CORPORATION COMMISSION

APR 9 1 - 1003548

TO: Ritchie Exploration Inc. 125 N. Market #1000 Wichita, Kansas 67202

INVOICE NO. AUG 2 1991 PURCHASE ORDER CONSERVATION DIVISION Wichita, Kansas LEASE NAME Rice #1 DATE April 9, 1991

SERVICE AND MATERIALS AS FOLLOWS:

Table with 3 columns: Description, Price, Total. Includes items like Common 105 sks, Pozmix 70 sks, Salt 15 sks, Gilsonite 450#, WFR II 500 gal, Handling 175 sks, Mileage (49), Production string, Mi, 1 plug, 6-4 1/2" cent., 1 basket, 1 AFU, 1 g. shoe, 1 p. collar.

Float held

THANK YOU

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

4629.70

APR 18 1991 APR 12 1991

Handwritten notes: 'What is this?', 'Chemical', 'mud', 'hook', '1-1/2" collar'.

Handwritten note: 'Cement production 19'

Handwritten calculations: 6700 * 0.270 = 1767.50, 6500 * 0.300 = 1324.00, 3570 / 70 = 510.00

ORIGINAL KCC

TO: Ritchie Exploration Inc.
125 N. Market #1000
Wichita, Kansas 67202

INVOICE NO. 59233
PURCHASE ORDER NO. _____
LEASE NAME Rice #1
DATE April 1, 1991

JUL 1 6
CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

PLEASE KEEP THIS
INFORMATION

Common 111 sks @\$5.25	\$ 582.75
Pozmix 74 sks @\$2.25	166.50
Chloride 5 sks @\$21.00	<u>105.00</u>
Handling 185 sks @\$1.00	185.00
Mileage (50) @\$0.04¢ per sk per m i	370.00
Surface	380.00
Mi @\$2.00 pmp. trk.	100.00
1 plug	<u>73.00</u>

RELEASED

\$ 854.25

AUG 0 2 1993

FROM CONFIDENTIAL

1,108.00

Total \$ 1,962.25

Cement circ.

If account CURRENT 20% discount will
be allowed ONLY if paid within 30 days
from date of invoice.

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STATE CORPORATION COMMISSION

AUG 9 1991

CONSERVATION DIVISION
Wichita, Kansas

APR 12 1991

THANK YOU

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

Copy to Linda
4-12-91

DEPTH of Job	#		
Reference: #1	Cumtruck-surface	380.00	
#13	mileage @ 2.00/mi	100.00	
	1-8 3/8" wooden plug	73.00	
	Sub Total	<u>553.00</u>	
	Tax		
	Total		
Remarks:	Cement Circulated.		

Mileage	204 \$/sk./mi. (50 mi.)	370.00
Sub Total	#	<u>1409.25</u>
Total		
Floating Equipment	Thanks	

APR 12 1991

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

APR 91

100350

KCC

ORIGINAL New

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

Date	4-1-91	Sec.	14	Twp.	6 ^s	Range	23 ^w	Called Out	3:00 P.M.	On Location	6:00 P.M.	Job Start	8:35 P.M.	Finish	9 P.M.
Lease	Rice	Well No.	1	Location				Hill City 12N1W1/2SE	County	Graham	State	Ks.			
Contractor	Murfin Drilg. Co.	Rig #	8	Owner				Same	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	Set Surface Pipe														
Hole Size	12 1/4"	T.D.	241'												
Csg.	8 7/8"	Depth	241'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum	Wichita, Kansas												
Meas Line	X	Displace	X												
Perf.		PLEASE KEEP THIS INFORMATION EQUIPMENT CONFIDENTIAL													

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. *[Signature]*

X **CEMENT**

Amount Ordered 185 sks 60/40 por 2 bagel, 3 b.c.c.

Consisting of

Common	111 sks @ 5.25/sk.	582.75
Poz. Mix	74 sks @ 2.25/sk.	166.50
Gel.	3 sks	n/c
Chloride	5 sks @ 21.00/sk.	105.00
Quickset		

Handling 1.00/sk. (185 sks) 185.00

Mileage 2.044/sk./mi. (50 mi.) 370.00

Sub Total # 1409.25

Total

Floating Equipment *Thanks*

No.	Cementor	
Pumptrk 61	Helper	Gary H. Wayne Mo.
No.	Cementor	
Pumptrk	Helper	
	Driver	Jim A. Joe S.
Bulktrk #212	Driver	

DEPTH of Job		
Reference:		#
#1	Pumptruck-surface	380.00
#13	mileage @ 2.00/mi.	100.00
	1-8 7/8" wooden plug	73.00
	Sub Total	553.00
	Tax	
	Total	

Remarks: Cement Circulated.

RELEASED

AUG 02 1993

FROM CONFIDENTIAL

APR 12 1991 *OK KN*

Terms: Payable upon receipt

Phone 918-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL RELEASED

Phone Plainville
 Phone Ness City

AUG 02 1993

new

ALLIED CEMENTING CO. INC. No. 1
 Home Office P. O. Box 31
 Russell, Kansas 67665

4-8-91

Date	4-9-91	Sec.	14	Twp.	G	Range	23	Called Out	4:00 PM	On Location	9:00 PM	Job Start	5:20 AM	Finish	6:20 AM
Lease	Rice	Well No.	#1	Location	Hill City 12N14W5S			County	Graham	State	Kansas				
Contractor	Munfin Drlg			Rig	8										
Type Job	Production														
Hole Size	7 7/8"		T.D.	3830'											
Csg.	4 1/2"		Depth	3823'											
Tbg. Size															
Drill Pipe															
Tool	Baker part collar		Depth	2012'											
Cement Left in Csg.	29'		Shoe Joint	29'											
Press Max.															
Meas Line	Yes														
Perf.															

Owner SAME
 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 1705 Anthony Drive
 City Hays State Kan 67601
 The above was done to satisfaction and supervision of owner agent or contractor.

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Purchase Order No. [Signature]
 X
 CEMENT 10 BBLs Mud Flush

EQUIPMENT

#61	No.	Cementer	M KAUFMAN
Pumptrk		Helper	Waxne M
#212	No.	Cementer	
Pumptrk		Helper	
Bulktrk		Driver	Joe S
Bulktrk		Driver	

Amount Ordered	175 SKS 60/40 Poz 10% Salt 3% Gif		
Consisting of			
Common	105	SKS @ 5.25	551.25
Poz. Mix	70	SKS @ 2.25	157.50
Salt	15	SKS @ 4.75	71.25
Gilsonite	450	lbs @ .334	148.30
Quickset	500 gal WFR-2 @ 50¢		250.00
Sales Tax			

DEPTH of Job

Reference #	PUMP Trk	880.00
	1-4 1/2" Rubber plug	33.00
	2.00 per mile	98.00
	Sub Total	
	Tax	
	Total	1,011.00

Handling	1.00 per SK	175.00
Mileage	49 miles	343.00
Sub Total		
Total		1,696.50

Remarks:
 15 SKS in Rat Hole
 10 SKS in Mouse Hole
 Float Held
[Signature]

- 6 - Centralizers - 258.00
- 1 - Basket - 113.00
- 1 - AFU Insert - 169.00
- 1 - Guide Shoe - 109.00
- 1 - Baker part collar - 1,680.00
- Total = 2,329.00

APR 18 1991 APR 12 1991

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

ORIGINAL
New

JUL 6

Phone
 Phone

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

Date	4-15-91	Sec.	14	Twp.	6 ^s	Range	23 ^w	Called Out	6:40 A.M.	On Location	8:45 A.M.	Job Start	9:30 A.M.
Lease	Rice	Well No.	1	Location	Hill City 12N 1/2W 1/2SE			County	Graham		State	Ks.	
Contractor	Murfin Drilling Co												
Type Job	Port Collar												
Hole Size	7 7/8"	T.D.	3830'										
Csg.	4 1/2"	Depth	3823'										
Tbg. Size	2"	Depth											
Surface Pipe	8 7/8"	Depth	241'										
Tool	Port Collar												
Cement Left in Csg.	Shoe Joint												
Press Max.	1000	Minimum											
Meas Line													
Perf.													

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Owner *Same*

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cement 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. *[Signature]*

CEMENT

Amount Ordered *350 sks 50/50 per 6 bag*

Consisting of

Common	175 sks @ 5.25/sk	918.75
Poz. Mix	175 sks @ 2.25/sk	393.75
Gel.	12 sks @ 6.75/sk (Used 18 sks)	81.00
Chloride		
Quickset		

EQUIPMENT

No.	Cementer	<i>Gary H. Wayne Mc</i>
Pumptrk 191	Helper	
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Jim D.</i>
Bulktrk 96	Driver	

DEPTH of Job

Reference: #5	Pumptruck - port collar	\$ 475.00
#13	mileage @ 2.00/mi.	100.00
	Sub Total	\$ 575.00
	Tax	
	Total	

Remarks: *Port collar opened & closed O.K. and held.*
Cement circulated.

Handling	@ 1.00/sk. (350 sks)	350.00
Mileage	@ 0.44/sk/mi. (50 mi.)	700.00
Sub Total		\$ 2443.50
Total		

Floating Equipment *Thanks*

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 STATE CORPORATION COMMISSION

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 CONSERVATION DIVISION
 Wichita, Kansas

RELEASED
 AUG 02 1993
 APR 25 1991
 APR 17 1991

FROM CONFIDENTIAL