

SIDE ONE

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 (315) 267-4375

Contractor: Name: Murfin Drilling Co.

License: 6033

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 OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

10/04/90 10/10/90 10/30/90
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22,592 700-00

County Graham

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

3630 Ft. North from Southeast Corner of Section

2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

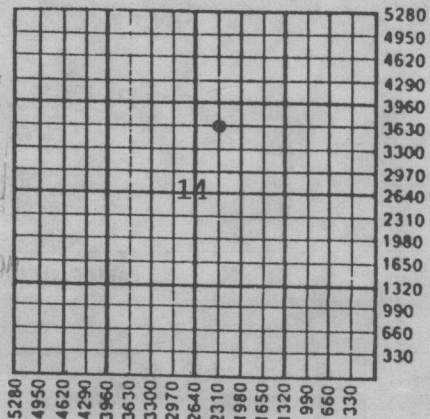
Lease Name Kemper-14A Well # 1

Field Name wildcat

Producing Formation Lansing

Elevation: Ground 2359' KB 2364'

Total Depth 3825' PBDT n/a



1-30-91

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FROM CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION CONSERVATION DIVISION Wichita, Kansas

Amount of Surface Pipe Set and Cemented at 251 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2007' Feet

If Alternate II completion, cement circulated from 2007'

feet depth to surface w/ 300 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 _____

Title President Date 1/08/91

Subscribed and sworn to before me this 8th day of January, 19 91.

Notary Public Linda K. Rice

Date Commission Expires 6/07/92



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

PI

SIDE TWO

Operator Name Ritchie Exploration, Inc.

Lease Name Kemper-14A

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
(Attach Additional Sheets.)

Yes No

Samples Sent to Geological Survey

Yes No

Cores Taken

Yes No

Electric Log Run
(Submit Copy.)

Yes No

Formation Description

Log Sample

Name

	Top	Bottom
Anhydrite		2038' (+ 326)
B/Anhydrite		2070' (+ 294)
Topeka		3365' (-1001)
Heener		3565' (-1201)
Toronto		3589' (-1225)
Lansing		3605' (-1241)
B/KC		3797' (-1433)
LTD		3824' (-1460)

(See attached sheet).

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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 Production	12 1/2" 7-7/8"	8-5/8" 5 1/2"	28# 14#	251' 3824'	60/40 poz 60/40 poz	180 125	2% gel, 3% CC 10% salt & 3% gilsonite

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3 SSB	3605'-3605.5'	n/a	

TUBING RECORD

Size 2-7/8" Set At Packer At

Liner Run Yes No

Date of First Production
10/30/90

Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 65 Bbls. Gas Mcf Water 100 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'-5.5'

Ritchie Exploration, Inc. (#4767)
#1 Kemper-14A
NW SW NE
Section 14-6S-23W
Graham County, Kansas
API# 15-065-22,592

ACO-1 form
Page 2

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DRILL STEM TESTS

DST #1 from 3553' to 3625' (Toronto & Top zone). Recovered 110' of gas in pipe, 130' gas and oil cut mud (5% gas, 25% oil, 70% mud); 720' oil cut watery mud (20% oil, 53% mud, 27% water); 240' of oil cut muddy water (22% oil, 33% mud, 45% water); 400' slightly oil cut water (1% oil, 99% water). 1,490' total fluid (15.7% oil, .4% gas, 36.8% mud, 47.1% water). IFP:18-426#/15"; ISIP:1216#/15"; FFP:491-651#/15"; FSIP:1210#/15".

DST #2 from 3624' to 3664' (35' & 50' zones). Recovered 10' of slightly oil cut watery mud (8% oil, 32% water, 60% mud); 170' of muddy water with oil spots; and 828' of muddy water. IFP:82-269#/15"; ISIP:1248#/30"; FFP:317-445#/15"; FSIP:1242#/30".

DST #3 from 3667' to 3695' (70'-100' zones). Recovered 250' of muddy water, no show of oil. IFP:54-82#/30"; ISIP:1168#/45"; FFP:126-165#/30"; FSIP:1162#/45".

DST #4 from 3738' to 3770' (160' & 180' zones). Recovered 20' of mud with oil spots. IFP:19-21#/30"; ISIP:867#/45"; FFP:23-23#/30"; FSIP:759#/45".

RELEASED

FEB 23 1993

FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION

JAN 18 1991

CONSERVATION DIVISION
Wichita, Kansas

3-483-2627, Russell, Kansas
 316-793-5861, Great Bend, Kansas

KEMPER 14A
 ALLIED CEMENTING COMPANY, INC.
 Art II cementing

Phone Plainville 913-434-2812
 Phone Ness City 913-793-2843

ALLIED CEMENTING CO. INC. No. 8905

Home Office P. O. Box 311 Russell, Kansas 67665

Date	10-20-90	Sec.	14	Twp.	6	Range	23	Called	2:00 PM	On Location	10:00 AM	Job Start	10:45 AM	Finish	3:00 PM
Well No.	KEMPER 14A		Location		Hill City		13 N 14 W 14 S		Graham		KANSAS				
Contractor	Express Well Service		Owner		Ritchie Exploration										
Type Job	Port Collar		To		Ritchie Exploration										
Size	5 1/2		Depth		Spot SAND @ 3385'										
Drill Pips	2 1/2		Depth		Port Collar @ 2003'										
Tool	X-Perk Oil Tools		Shoe Joint												
Cement Left in Csg.	1000 #		Minimum												
Press Max.	1000 #		Displace												

Charge To: Ritchie Exploration
 Street: 555 Anthony Drive
 City: Hill City, Kansas

Amount Ordered: 300 SK 60 gals

Consisting of:
 Common: 150 @ 525 = 78.75
 Poz. Mix: 150 @ 225 = 33.75
 Gel: 20 @ 675 = 13.50
 Chloride: 2 @ 475 = 9.50
 Sand: 2 @ 475 = 9.50

Handling: 100 ea = 300
 Mileage: 34 1/2 M. @ 12 = 414

Sub Total: 931.50
 Tax: 57.10
 Total: 988.60

EQUIPMENT		
No. 177	Cementer	Shen Bill
	Helper	
No. 156	Cementer	Mark
	Helper	
	Driver	
	Driver	

Reference	Pump Truck chrg	475.00
Reference	2.00 PER MILE	96.00
Sub Total		
Tax		
Total		571.00

Remarks: BRIDGE Plug @ 3402' Tested Tool's to 1000' & HELD - Spot 2SK SAND ON Plug. Came up to 2,003 Press up to 300' & Opened Port collar, mixed cement, HAD GOOD CIRCULATION all the way cement circulated. Shut valve & Cleared LINES Displaced cement w/ 10 1/2 BBL WATER, Closed Port collar & checked to 1,000 # & HELD. RAN 45TS. & WASHED Tubing clean. Went Down & WASH SAND OFF B. PLUG

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC. 02008

P. O. BOX 31
RUSSELL, KANSAS 67665

OCT 90

1 0 0 2 2 8 8

TO: Ritchie Exploration
1705 Anthony Drive
Hays, Kansas 67601

INVOICE NO. 57713

PURCHASE ORDER NO. JN

LEASE NAME Kemper 14A #1

DATE Oct. 20, 1990

W. 4588001

SERVICE AND MATERIALS AS FOLLOWS:

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Common 150 sks @\$5.25
Pozmix 150 sks @\$2.25
Gel 10 sks @\$6.75
Sand 2 sks @\$4.75

\$ 787.50
337.50
67.50
9.50

Cement port collar #1

Handling 300 sks @\$1.00
Mileage (48) @\$0.03c per sk per mi
Port collar
M1 @\$2.00 pmp. trk.

300.00
172.00
475.00
96.00

RELEASED
FEB 23 1993
FROM CONFIDENTIAL

RECEIVED
STATE CORPORATION COMMISSION \$ 1,202.00

JAN 18 1991

CONSERVATION DIVISION
Wichita, Kansas

1,303.00

Total \$ 2,505.00

SRS

6200 * 0270 = 250500

3820 / 70 = {501.00}

THANK YOU

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

NOV 1 1990

TELEPHONE:

AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67665

OK/94

OCT 96

10.0 2.144 #1

TO:

Ritchie Exploration

INVOICE NO. 57578

125 N. Market #1000

PURCHASE ORDER NO.

Wichita, Kansas 67202

W. 4588001

LEASE NAME Kemper 14A #1

DATE Oct. 4, 1990

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SERVICE AND MATERIALS AS FOLLOWS:

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FEB 23 1993

FROM CONFIDENTIAL

Common 108 sks @\$5.25	\$ 567.00	
Pozmix 72 sks @\$2.25	162.00	
Chloride 5 sks @\$21.00	105.00	\$ 834.00
Handling 180 sks @\$1.00	180.00	
Mileage (47) @\$0.03c per sk per mi	253.80	
Surface	380.00	
Mi @\$2.00 pmp. trk.	94.00	
1 plug	68.00	
		<u>970.80</u>
	Total	\$ 1,804.80

Cement circ:

RECEIVED
STATE CORPORATION COMMISSION

JAN 18 1991

CONSERVATION DIVISION
Wichita, Kansas

THANK YOU

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

OCT 8 1990

Cement surface using #1

6100 0270 = 180480
3820170 = 1360967

TELEPHONE:
AREA CODE 913, 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

OCT 90

1 0 0 2 2 6 0

TO: Ritchie Exploration Inc.
1705 Anthony Drive
Hays, Kansas 67601

RELEASED
FEB 23 1993

INVOICE NO. 57640

PURCHASE ORDER NO. JCA

LEASE NAME Kemper 14A #1

DATE Oct. 10, 1990

FROM CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

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Common 81 sks @\$5.25
Pozmix 54 ssk @ \$2.25
Salt 12 sks @ \$4.75
G11 352 @ \$.33
WFR II 500 gal @ \$0.50

\$ 425.25
121.50
57.00
116.16
250.00

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STATE CORPORATION COMMISSION

JAN 18 1991

\$ 969.91

Handling 135 sks @\$1.00
Mileage (48) @\$0.03¢ per sk per mi
Production string
Mi @\$2.00 pmp. trk.
1 plug
1-5½" g. shoe 125.00
1 AFU 189.00
1 B. Port collar 1785.00
1 basket 127.00
6 cent. 320.10

135.00
194.40
880.00
96.00
45.00

CONSERVATION DIVISION
Wichita, Kansas

1,350.40

$6200 \cdot 0270 = 2320.31$
 $6500 \cdot 0800 = 2540.10$
 $3820 / 70 = 9733.28$

2,546.10

Total

\$ 4,866.41

Float held

THANK YOU

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

OCT 18 1990

Cement
Production
(CSG)