

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

ORIGINAL

API NO. 15- 137-20,376 -00-00  
County Norton  
NE - NE - NW Sec. 33 Twp. 5 Rge. 22 X W

CONFIDENTIAL

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address 125 N. Market, Ste. 1000  
City/State/Zip Wichita, KS 67202

4950 Feet from S/N (circle one) Line of Section  
2970 Feet from E/W (circle one) Line of Section  
Footages Calculated from Nearest Outside Corner: NE, SE NW or SW (circle one)  
Lease Name Artha Griffey  
Field Name wildcat

JAN 17  
CONFIDENTIAL

Purchaser: Koch Oil Co.  
Operator Contact Person: Jeff Christian  
Phone (316) 267-4375  
Contractor: Name: Murfin Drilling Co., Inc.  
License: 30606  
Wellsite Geologist: Kevin Kessler

Producing Formation Lansing-Kansas City  
Elevation: Ground 2348' KB 2353'  
Total Depth 3900' PBSD n/a  
Amount of Surface Pipe Set and Cemented at 253 Feet  
Multiple Stage Cementing Collar Used? X Yes No  
If yes, show depth set 1966' Feet  
If Alternate II completion, cement circulated from 1966' feet depth to surface w/ 275 sx cmt.

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Designate Type of Completion  
X New Well Re-Entry Workover  
X Oil SWD SLOW Temp. Abd.  
Gas ENHR SIGW  
Dry Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan 1-23-92  
(Data must be collected from the Reserve Pit)  
Chloride content 11,000 ppm Fluid volume 241 bbls  
Dewatering method used evaporation

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 PBSD  
Commingle Docket No.  
Dual Completion Docket No.  
Other (SWD or Inj?) Docket No.  
10/28/91 11/10/91 12/04/91  
Spud Date Date Reached TD Completion Date

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JAN 22 1992  
CONSERVATION DIVISION  
WICHITA, KS

RELEASED  
2-28-94  
FEB 28 1994

Location of fluid disposal if hauled offsite: n/a  
Lease Name  
Quarter Sec. Twp.  
County Docket No.

FROM CONFIDENTIAL

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 1/17/92  
Subscribed and sworn to before me this 17th day of January 19 92.  
Notary Public [Signature]  
Date Commission Expires 6/07/97

LINDA K. RICE  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 6-7-92

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Geologist Report Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other (Specify)

Operator Name Ritchie Exploration, Inc. Lease Name Artha Griffey Well # 1

Sec. 33 Twp. 5S Rge. 22  East  West  
 County Norton

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:

RA Guard log

Log Formation (Top), Depth and Datums  Sample

Name Top Datum

See attached page.

**PLEASE KEEP THIS INFORMATION CONFIDENTIAL**

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 1/4"	8-5/8"	28#	253'	60/40	180	2%Gel 3%CC
production	7-7/8"	4 1/2"	10.5#	3898'	60/40	160	10% Salt 3# Gilsonite

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 deep penetrating jets	3706.2'-3709.7'	n/a	

TUBING RECORD Size 2-3/8" Set At 22' off bottom Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 12/04/91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 50 Bbls. Gas \_\_\_\_\_ Mcf Water 40 Bbls. Gas-Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_

Disposition of Gas: n/a  
 Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole  Perf.  Dually Comp.  Commingled 3706.2'-09.7'  
 Other (Specify) \_\_\_\_\_

# ORIGINAL

RITCHIE EXPLORATION, INC.

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

JAN 17

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KANSAS CORPORATION COMMISSION  
CONFIDENTIAL

#1 Artha Griffey  
NE NE NW  
Section 33-5S-22W  
Norton County, Kansas  
API# 15-137-20,376  
ACO-1 form  
Page 2

JAN 22 1992

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CONSERVATION DIVISION  
WICHITA, KS  
JAN 17

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CONFIDENTIAL

DRILL STEM TESTS

FROM CONFIDENTIAL

ELECTRIC LOG TOPS

DST #1 from 3336' to 3380'  
(Topeka 30' zone). Recovered  
60' of mud, no show of oil.  
IFP:74-74#/30"; ISIP:1030#/30";  
FFP:64-64#/30"; FSIP:987#/30".  
(Tool slid 5' to bottom).

Anhy	1975' (+ 378)
B/Anhy	2005' (+ 348)
Topeka	3324' (- 971)
Heebner	3521' (-1168)
Toronto	3546' (-1193)
Lansing	3563' (-1210)
B/KC	3748' (-1395)
Cgl.	3806' (-1453)
Arbuckle	3870' (-1517)
LTD	3901' (-1548)

DST #2 from 3413' to 3510'  
(Lecompton-Oread "A" & "B"  
zones). Recovered 219' of  
muddy water, no show of oil.  
IFP:106-106#/30"; ISIP:1030#/30";  
FFP:160-160#/30"; FSIP:987#/30".

DST #3 from 3509' to 3558' (Toronto). Recovered 2,651' of  
slightly muddy salt water, no show of oil.  
IFP:447-945#/30"; ISIP:1219#/30";  
FFP:1117-1177#/30"; FSIP:1219#/30".

DST #4 from 3554' to 3585' (L/KC Top zone). Recovered 189'  
of water.  
IFP:74-74#/30"; ISIP:1135#/45";  
FFP:106-106#/30"; FSIP:1114#/45".

DST #5 from 3580' to 3620' (35' & 50' zones). Recovered  
250' gas in pipe; 282' slightly mud cut oil; 63' slightly  
mud and water cut oil; and 567' saltwater. 912' of total  
fluid (1.1% gas, 18.1% oil, 6.6% mud, 74.2% water).  
IFP:96-181#/30"; ISIP:1200#/30";  
FFP:309-351#/30"; FSIP:1200#/30".

DST #6 from 3598' to 3620' (50' zone). Recovered 141'  
clean gassy oil and 62' slightly gassy water and mud cut  
oil (5% gas, 50% oil, 25% mud; 20% water).  
IFP:64-64#/30"; ISIP:1229#/45";  
FFP:74-74#/30"; FSIP:1229#/45".

DST #7 from 3619' to 3632' (90' zone). Recovered 157' gas  
in pipe; 63' clean gassy oil, and 31' gassy oil cut mud.  
IFP:43-43#/30"; ISIP:1082#/30";  
FFP:53-53#/30"; FSIP:1082#/30".

ORIGINAL

RITCHIE EXPLORATION, INC.

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

JAN 17  
CONFIDENTIAL

#1 Artha Griffey  
NE NE NW  
Section 33-5S-22W  
Norton County, KS  
API# 15-137-20,376  
ACO-1 form  
Page 3

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DRILL STEM TESTS (cont'd)

DST #8 from 3635' to 3694' (100'-140' zones). Recovered 839' of slightly gas and oil cut muddy water (2% gas, 5% oil, 13.7% mud, 79.3% water).  
IFP:138-202#/30"; ISIP:1209#/45";  
FFP:319-362#/30"; FSIP:1209#/45".

DST #9 from 3689' to 3715' (180' zone). Recovered 1,131' gas in pipe, 2,260' gassy water cut oil (17% gas, 50.9% oil, 5% mud, 27.1% water).  
IFP:287-606#/30"; ISIP:1262#/45";  
FFP:712-871#/30"; FSIP:1262#/45".

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KANSAS CORPORATION COMMISSION

JAN 22 1992

CONSERVATION DIVISION  
WICHITA, KS

RELEASED

FEB 28 1994

FROM CONFIDENTIAL

Russell, Kansas  
793-5861, Great Bend, Kansas

PLEASE KEEP THIS INFORMATION **CONFIDENTIAL**

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

2343

JAN 17

Date	11-20-91	Sec.	33	Twp.	S <sup>s</sup>	Range	22 <sup>W</sup>	Called Out	7:00 A.M.	On Location	11:00 A.M.	Finish	1:45 P.M.
Lease	Artha Gwifley	Well No.	1	Location	Hill City 14N1/2E 1/2N 3/4E			County	Norton	State	Ks.		
Contractor	Paul's Well Service												
Type Job	Port Collar												
Hole Size	7 1/2"	T.D.	3900'										
Csg.	4 1/2"	Depth	3898'										
Tbg. Size	2"	Depth											
Surface Drill Pipe	8 7/8"	Depth	253'										
Tool	Baker Port Collar		Depth	1966'									
Cement Left in Csg.			Shoe Joint										
Press Max.	1000#		Minimum										
Meas Line			Displace										
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 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 [Signature]

CEMENT

RECEIVED  
KANSAS CORPORATION COMMISSION  
JAN 22 1992  
CONSTRUCTION DIVISION  
WICHITA, KS

**EQUIPMENT**

No.	Cement	Gary H. Wayne Mc.
Pumptrk 191	Helper	
No.	Cement	Mark D.
Pumptrk	Helper	
	Driver	
Bulktrk #146	Driver	

Amount Ordered	275 sks @ 50/50oz	60.90
Consisting of		
Common	138 sks @ 5.25/sk.	724.50
Poz. Mix	137 sks @ 2.25/sk.	308.25
Gel.	9 sks @ 6.75/sk (Used 14 sks)	60.75
Chloride		
Quickset		
Sales Tax		
Handling	@ 1.00/sk (275 sks)	275.00
Mileage	@ 0.44/sk.mil (52 mi.)	572.00
Sub Total		1940.50
Total		

DEPTH of Job		
Reference: #5	Pumptruck port collar	\$475.00
#13	mileage @ 2.00/mi.	104.00
Sub Total		\$579.00
Tax		
Total		

Floating Equipment Thanks

Remarks: Port collar opened & closed  
Okay, and held  
Cement Circulated.

RELEASED  
FEB 28 1991  
DEC 3 1991  
NOV 25 1991  
FROM CONFIDENTIAL

Phone #13-483-2627, Russell, Kansas  
 Phone 316-793-5861, Great Bend, Kansas

**COPY**  
 ORIGINAL PLEASE KEEP THIS  
 INFORMATION  
 CONFIDENTIAL

Phone Plainville 913-484-2812  
 Phone Ness City 913-798-3843

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

2331

10-29-91

Date	10-28-91	Sec.	33	Twp.	S <sup>s</sup>	Range	22 <sup>w</sup>	Called Out	7:00 P.M.	On Location	9:00 A.M.	Job Start	Midnight	Finish	12:30 A.M.
Lease	Snithey	Well No.	1	Location	Hill City 14N1/2E 1/4N1/2E			County	Wichita	State	Ks.	Contractor	Munkin Drilling Co.	Rig #	8
Type Job	Set Surface Pipe														
Hole Size	12 1/4"	T.D.	254'												
Csg.	8 5/8"	Depth	253'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.	15'	Shoe Joint													
Press Max.		Minimum													
Meas Line	X	Displace	X												
Perf.															

**EQUIPMENT**

No.	Cementer	Gary H. Wayne, Mo.
Pumptrk 191	Helper	
No.	Cementer	Jason C.
Pumptrk	Helper	
	Driver	
Bulktrk #212	Driver	

**DEPTH of Job**

Reference: #1	Pumptruck-surface	\$ 380.00
#13	mileage @ 2.00/mi	104.00
	1-8 5/8" wooden plug	73.00
	<b>Sub-Total</b>	<b>\$ 557.00</b>
	<b>Tax</b>	
	<b>Total</b>	

Remarks: Cement Circulated.

copy to Linda  
 11-04-91  
 SK

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 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 July 2 Summit Rig 8  
**CEMENT**

Amount Ordered	180 sks @ 1.00/sk	269.40
Consisting of		
Common	108 sks @ 2.25/sk	\$ 243.00
Poz. Mix	72 sks @ 2.25/sk	162.00
Gel.	3 sks	N/E
Chloride	5 sks @ 21.00/sk	105.00
Quickset		

Handling	@ 1.00/sk (180 sks)	180.00
Mileage	@ 0.44/sk/mi (52 mi)	37.40
<b>Sub-Total</b>		<b>\$ 1388.40</b>

Floating Equipment  
 Thanks  
 RECEIVED  
 KANSAS CONSERVATION COMMISSION  
 JAN 22 1992

RELEASED

FEB 28 1994

FROM CONFIDENTIAL NOV 01 1991

Russell, Kansas

316-793-5861, Great Bend, Kansas

ORIGINAL FILE

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

JAN 17 1991 2337

CONFIDENTIAL

Date	11-10-91	Sec.	33	Twp.	S <sup>S</sup>	Range	22 <sup>W</sup>	Called Out	8:15 A.M.	On Location	11:15 A.M.	Job Start	3:45 P.M.	Finish	4:45 P.M.
Lease	Anthe Griffey	Well No.	1	Location	Hill City	14N 1/2 E 1/2 N 3/4 E		County	Norton	State	Ks.				

Contractor	Martin Dalg. Co.	Rig #	8
Type Job	Production String		
Hole Size	7 7/8"	T.D.	3900'
Csg.	4 1/2"	Depth	3898'
Csg. Size	8 7/8"	Depth	253'
Drill Pipe		Depth	
Tool	Port Collar (Baker)	Depth	1965'
Cement Left in Csg.	22'	Shoe Joint	22.33'
Press Max.	1000 #	Minimum	
Meas Line	X	Displace	RELEASED
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	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	<i>[Signature]</i>
	CEMENT

FEB 2 8 1994

### EQUIPMENT

FROM CONFIDENTIAL

No.	Cementer	
Pumptrk 191	Helper	Gary H. Wayne Mc.
No.	Cementer	
Pumptrk	Helper	
	Driver	Joe S.
Bulktrk #212	Driver	

Amount Ordered	175 sks 60/100 10% salt
Consisting of	3 bags Gilsonite, 3 500 gal WFR II
Common	105 sks @ 5.25/sk. \$551.25
Poz. Mix	70 sks @ 2.25/sk. 157.50
Gel.	
Chloride Salt	17 sks @ 4.75/sk. 80.75
Quickset	Gilsonite - 454 # @ 33¢/lb. 149.82
WFR II	500 gal @ 50¢/gal. 250.00
Sales Tax	

DEPTH of Job	1- 4 1/2" rubber plug	\$33.00
Reference:	#1 Pumptruck-long string	880.00
	#12 4 1/2" rotating swivel	60.00
	#13 mileage @ 2.00/mi.	104.00
	Sub Total	1077.00
	Tax	
	Total	

Handling	¢1.00/sk. (175 sks)	175.00
Mileage	¢0.44/sk./mi. (52 mi.)	364.00
Sub Total		1729.32
Total		1729.32

Remarks: Plugged rat hole w/15 sks.  
Float Held.  
NOV 18 1991

Floating Equipment	4 1/2" CONSERVATION DIVISION WICHITA, KS	1992
1- regular guide shoe		00
1-AFU insert (Flapper type)		169.00
1- cementing basket		113.00
6- turbo centralizers	¢55.00 ea	330.00
1- port collar (Baker)		1680.00
		2401.00

DEC 3 1991