

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- 101-21,610-0 FEB 2

County Iane **CONFIDENTIAL**  
110' N of  
NW SW SW Sec. 25 Twp. 19S Rge. 28 X E W

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: Rocky Milford

Phone (316) 267-4375

Contractor: Name: White & Ellis Drilling

License: 5420

Wellsite Geologist: Kevin Kessler

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  S10W  Temp. Abd.  
 Gas  ENHR  S16W  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows: MAR 2 1993

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

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

12/10/91 12/20/91 1/21/92  
Spud Date Date Reached TD Completion Date

1100' Feet N/S (circle one) of Section Line

4950' Feet E/W (circle one) of Section Line

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

Lease Name Schwartz Well # 6

Field Name Hackberry Creek South

Producing Formation Lansing

Elevation: Ground 2734' KB 2739'

Total Depth 4650' PBTB n/a

Amount of Surface Pipe Set and Cemented at 215' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 2033' Feet

If Alternate II completion, cement circulated from 2033'

feet depth to surface w/ 325 # 175-500 sx cmt.

Drilling Fluid Management Plan 2-5-92  
(Data must be collected from the Reserve Pit)

Chloride content 21,000 ppm Fluid volume 418 bbls

Desulfuring method used evaporation

Location of fluid disposal if hauled offsite: n/a

Operator Name \_\_\_\_\_

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-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 2/03/92

Subscribed and sworn to before me this 3rd day of February, 19 92.

Notary Public Linda K. Rice  
LINDA K. RICE  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. \_\_\_\_\_

Date Commission Expires \_\_\_\_\_ **RECEIVED**  
KANSAS CORPORATION COMMISSION

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

FEB 4 1992  
02-04-1992  
CONSERVATION DIVISION  
WICHITA, KS

ORIGINAL

Sec. 25 Twp. 19S Rge. 28

East  
 West

County \_\_\_\_\_ Lane \_\_\_\_\_

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  
Correlation  
Temperature Survey

Log Formation (Top), Depth and Datum  Sample  
Name \_\_\_\_\_ Top \_\_\_\_\_ Datum \_\_\_\_\_

PLEASE KEEP THIS INFORMATION CONFIDENTIAL See attached page.

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#	215'	60/40 poz	145	2%gel, 3%CC
Production	7-7/8"	5 1/2"	14#	4637'	60/40 poz	300	
						20bbls	WFR mud flush

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	down backside	50/50 poz	175	6% gel

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
3 SSB	4300.3' to 4302.3' & 4294.3' to 4296.3'	500 gal. of 15% MCA acid	4300.3'-02.3' 4294.3'-96.3'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 1/2"			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.			Producing Method		
1/21/92			<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 23 Bbls.	Gas	Mcf	Water 200Bbls.	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  
 Other (Specify) \_\_\_\_\_  
Production Interval  
4300.3'-02.3'  
4294.3'-96.3'

# ORIGINAL

KCC

RITCHIE EXPLORATION, INC.

FEB 0 2

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

CONFIDENTIAL

#6 Schwartz  
110' N of NW SW SW  
Section 25-19S-28W  
Lane County, Kansas  
API# 15-101-21,610-00-00  
ACO-1 form  
Page 2

RELEASED

MAR 2 9 1993

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INFORMATION  
CONFIDENTIAL

FROM CONFIDENTIAL

DRILL STEM TESTS

LOG TOPS

DST #1 from 4190' to 4220'  
(L/KC "I" zone). Recovered  
100' of watery mud.  
IFP:22-22#/45"; ISIP:1074#/45";  
FFP:44-44#/45"; FSIP:1074#/75".  
(Longer shut in because of rig  
break down).

DST #2 from 4252' to 4262'  
(L/KC "K" zone). Recovered  
650' of muddy water.  
IFP:33-166#/30"; ISIP:665#/30";  
FFP:200-300#/30"; FSIP:665#/30".

DST #3 from 4290' to 4330' (L/KC "L" zone). Recovered 300'  
of gas in pipe; 196' of clean gassy oil; 248' of oil and  
water cut mud (15% gas, 20% oil, 30% mud, 35% water); 124'  
of mud and oil cut water (5% gas, 10% oil, 15% mud, 70%  
water); and 682' of mud and oil cut water (5% oil, 5% mud,  
90% water). 1,250' of total fluid (4% gas, 23% oil, 10%  
mud, 63% water).  
IFP:133-355#/30"; ISIP:837#/30";  
FFP:422-533#/30"; FSIP:798#/30".

DST #4 from 4507' to 4590' (Ft. Scott - Johnson zone).  
Recovered 20' of mud.  
IFP:22-22#/30"; ISIP:997#/30";  
FFP:22-22#/30"; FSIP:865#/30".

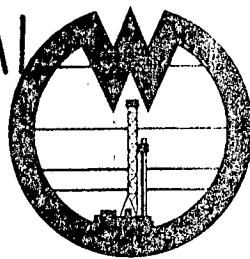
Anhydrite	2052' (+ 687)
B/Anhydrite	2082' (+ 657)
Heebner	3946' (-1207)
Lansing	3987' (-1248)
Muncie Crk.	4159' (-1420)
Stark	4255' (-1516)
"K" zone	4260' (-1521)
Hushpuckney	4293' (-1554)
B/KC	4339' (-1600)
Marmaton	4371' (-1632)
Pawnee	4472' (-1733)
Myrick Stat.	4499' (-1760)
Ft. Scott	4518' (-1779)
Cherokee	4539' (-1800)
Johnson zone	4580' (-1841)
Mississippi	4612' (-1873)
LTD	4652' (-1913)

RECEIVED  
KANSAS CORPORATION COMMISSION

FEB 4 1992

CONSERVATION DIVISION  
WICHITA, KS

ORIGINAL



KCC

FEB 0 2

CONFIDENTIAL

RELEASED

FEB 2 0 1993

WHITE

AND ELLIS DRILLING, Inc.

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

FROM CONFIDENTIAL

DRILLERS LOG

OPERATOR: Ritchie Exploration, Inc., 125 N. Market - Suite 1000, Wichita, KS 67202

CONTRACTOR: White & Ellis Drilling, Inc. 401 E. Douglas - Suite 500 Wichita, Kansas 67202

Lease Name Schwartz Well No. 6

Sec. 25 T. 19S R. 28W Spot 110' N of NW SW SW

County Lane State Kansas Elev.

Casing Record:

Surface: 8 5/8" @ 215' with 145 sx.

Production: 5 1/2" @ 4637' with 300 sx.

Type Well: Oil Well Total Depth 4650'

Drilling Commenced 12-10-91 Drilling Completed 12-20-91

Formation	From	To	Tops	
Cellar	0	5	Anhydrite	2051
Sand & Shales	5	216	Heebner-Lansing KC	3935
Clay & Shale	216	365	Lansing-Kansas City	4060
Shales & Sand	365	1115	Kansas City	4175
Sand & Shale	1115	1835	KC-BKC-Marmaton	4330
Shale	1835	2575	Marmaton-Pawnee	4405
Shale & Lime	2575	2980	Ft. Scott-Cherokee	4490
Shale	2980	3195	Cherokee-Johnson	4570
Lime & Shales	3195	4650	Johnson	4590
			Mississippi	4600

RECEIVED

KANSAS CORPORATION COMMISSION

FEB 4 1992

CONSERVATION DIVISION WICHITA, KS

Russell, Kansas  
Great Bend, Kansas

ORIGINAL

FEB 0 2

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

No 3022

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

Date <i>12-10-91</i>	Sec. <i>25</i>	Twp. <i>19</i>	Range <i>28</i>	Called Out <i>4:00 PM</i>	On Location <i>7:00 PM</i>	Job Start <i>8:30 PM</i>	Finish <i>9:15 PM</i>
Lease <i>Schwartz</i>	Well No. <i>6</i>	Location <i>Alamota 3W, T1/2S, 1/4 W, NEW</i>			County <i>Lane</i>	State <i>Kansas</i>	
Contractor <i>White &amp; Ellis</i>				Owner <i>Ritchie</i>			
Type Job <i>Surface</i>				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.			
Hole Size <i>12 1/4</i>	ID <i>2 1/8</i> KEEP THIS			INFORMATION			
Csg. <i>8 5/8</i>	Depth <i>25</i>			CONFIDENTIAL			
Tbg. Size	Depth			Charge To <i>Ritchie Exploration Inc.</i>			
Drill Pipe	Depth			Street <i>125 N. MARKET Suite 1000</i>			
Tool	Depth			City <i>Wichita</i> State <i>Ko. 67202</i>			
Cement Left in Csg. <i>15'</i>	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Press Max.	Minimum			Purchase Order No.			
Meas Line	Displace <i>13 bbl</i>			X <i>James Cromwell</i>			
Perf.				CEMENT			

## EQUIPMENT

No.	Cementer	<i>J.D. Druefing</i>
Pumptrk <i>158</i>	Helper	<i>Bill White</i>
No.	Cementer	
Pumptrk <i>9</i>	Helper	<i>Keith Parkerson</i>
	Driver	
Bulktrk <i>116</i>		
Bulktrk	Driver	

Amount Ordered	<i>145.00</i>	<i>60/40 2% gel 4% cc</i>
Consisting of		
Common	<i>87</i>	<i>5.25 456.75</i>
Poz. Mix	<i>58</i>	<i>2.25 130.50</i>
Gel.	<i>3</i>	<i>6.75 N/C</i>
Chloride	<i>4</i>	<i>21.00 84.00</i>
Quickset		
Sales Tax		
Handling	<i>145</i>	<i>1.00 145.00</i>
Mileage	<i>35</i>	<i>203.00</i>
Sub-Total		
		<i>1019.25</i>

Reference	<i>Pump. trk charge</i>	<i>380.00</i>
<i>35</i>	<i>Mileage</i>	<i>70.00</i>
<i>1</i>	<i>8 5/8 TWP</i>	<i>42.00</i>
Sub-Total		
Tax		
Total		<i>492.00</i>

Remarks *Cement did circulate.*  
*4 bbl cement*

*12-23-91*  
*12-23-91*  
*12-23-91*

*Thank you.*

Floating Equipment FROM CONFIDENTIAL

Total \$ *1511.25*

Disc - *226.69*

RECEIVED \$ *1284.56*

KANSAS CORPORATION COMMISSION

FEB 4 1992

DEC 18 1991

CONSERVATION DIVISION  
WICHITA, KS

Russell, Kansas  
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

FEB 0 9

No 2818

CONFIDENTIAL

New

Date	12-20-91	Sec.	25	Twp.	19	Range	28	Called Out	12:30 PM	On Location	4:00 PM	Job Start	9:30 AM	Finish	10:45 PM
Lease	Schwartz	Well No.	# 6	Location				Alamata 3w 7 1/2 S W/1/2			County	lane	State	KS	
Contractor	White + Ellis Plg. Owner														
Type Job	LONG STRING IOPe 9h														
Hole Size	7 7/8		T.D. 4650 #												
Csg.	5 1/2		Depth 4637 #												
Tbg. Size	PLEASE KEEP THIS INFORMATION CONFIDENTIAL														
Drill Pipe	Depth 22033 #														
Tool	Pork Collar														
Cement Left in Csg.	Shoe Joint 22.34														
Press Max.	Minimum														
Meas Line	4615 #		Displace 142.6 bbl												
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 Expl 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 Bennie Dills  
CEMENT  
Thank you 1995

Amount Ordered 315 5/10 108 soft 20 bbl WFR2

Consisting of			
Common	189	5.25	992.25
Poz. Mix	126	2.25	283.50
Set. SAIT	32	4.75	152.00
Chloride			
Quickset			

WFP 2 - 840 lbs. .50 420.00

Handling 315 1.00 315.00

Mileage 35 441.00

TOTAL \$ 6054.25  
Disc 908.22  
\$ 5146.53 Total 2603.75

Floating Equipment	
1- Muleshoe	125.00
1- 3h surf	189.00
1- Basket	5 1/2 127.00
5- Centralizers	230.00
1- Collar Packer	1785.00
	2456.00

EQUIPMENT

Great Bend

Pumptrk	No.	Cementer	Mike
	46	Helper	Duane
Pumptrk	No.	Cementer	
		Helper	
		Driver	
Bulktrk	69	Driver	Bill W

DEPTH of Job	4637 #	
Reference:	Pump Truck charge	880.00
35	Milage charge	20.00
1	Rubber Plug	45.00
	Sub Total	
	Total	995.00

Remarks: Float did Hole RELEASED  
Copy of Invoice 1-2-92  
29 1995

FROM CONFIDENTIAL KANSAS CORPORATION COMMISSION

Allied Cementing Co Inc

Mike Mensch

NEP 26 1991

FEB 4 1992

DEC 30 1991

CONSERVATION DIVISION

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

Phone Plainville 913-434-2812  
 Phone Ness City 913-798-3843  
 No 2881

FEB 0 2

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-14-92	25	19	28	6:30 AM	8:30 AM	9:30 AM	10:00 AM
Lease	Well No.	Location			County	State	
Schwartz	6	Moneta 3w 8s 1/2w			Lane	Ka	

Contractor <i>Express Well Service</i>	Owner <i>Ritchie</i>
Type Job <i>Backside</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.
Csg. <i>5 1/2</i>	Depth <i>LEASE KEEP THIS INFORMATION CONFIDENTIAL</i>
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max. <i>100</i>	Minimum
Meas. Line	Displace
Perf.	

Charge To <i>Ritchie Exploration Inc.</i>
Street <i>125 N. Market Suite 1000</i>
City <i>Wichita</i> State <i>Ko. 67202</i>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No. <i>Benne Pitts</i>
<b>CEMENT</b>
Amount Ordered <i>175</i>
Consisting of
Common <i>105</i>
Poz. Mix <i>70</i>
Gel <i>11</i>
Chloride
Quicker
Handling <i>175</i>
Mileage <i>35</i>
Sub-Total
Total

EQUIPMENT	
Pumptrk <i>158</i>	Helper <i>Bob</i>
Pumptrk <i>116</i>	Helper <i>Kuth</i>
Bulktrk	Driver
Bulktrk	Driver

Common	51.25	551.25
Poz. Mix	2.25	157.50
Gel	6.75	74.25
Chloride		
Quicker		
Handling	1.00	175.00
Mileage		245.00
Sub-Total		
Total		1203.00

DEPTH of Job	Reference	Amount
	<i>Pump tok charge</i>	<i>175.00</i>
	<i>35 mileage</i>	<i>70.00</i>
	Sub-Total	
	Total	<i>545.00</i>

From CONFIDENTIAL	Total	<i>1203.00</i>
Floating Equipment		
Total		<i>1748.00</i>
Disc		<i>262.20</i>
RECEIVED		<i>1485.80</i>

Remarks: *Mixed 175oz 60/40 6% gel down backside shut in at 75"*

KANSAS CORPORATION COMMISSION

*Copy to Linda 1-20-92 SKS*

*Thank you*

FEB 4 1992

JAN 20 1992

CONSERVATION DIVISION  
 WICHITA, KS

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

**ORIGINAL**

KCC

FEB 0 2

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

RELEASED

**ALLIED CEMENTING CO., INC.**

Home Office P. O. Box 31

Russell, Kansas 67665

20 1993  
 No. 6613  
 FROM CONFIDENTIAL

MW

Date	1-10-92	Sec.	25	Twp.	19	Range	28	Called Out	8 AM	On Location	10 AM	Job Start	330	Finish	4:45 PM	
Lease	Schwartz	Well No.	6	Location	Planator 3 well law			County	Lane	State	Ko					
Contractor	Express Well Service											Owner	Same			
Type Job	Fast Collar											To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner of contractor to do work as listed.				
Hole Size			T.D.	PLEASE KEEP THIS INFORMATION CONFIDENTIAL												
Csg.	5 1/2		Depth	Charge To: Pitech Exploration Inc.												
Tbg. Size	2 1/2		Depth	Street 125 N. Market Suite 1000												
Drill Pipe	R. Plug		Depth	City Wichita State Ko 67202												
Tool	Daco Baker Foot Collar		Depth	The above was done to satisfaction and supervision of owner agent or contractor												
Cement Left in Csg.			Shoe Joint	Purchase Order No.												
Press Max.			Minimum	X Bennie Dills												
Meas Line			Displace	CEMENT												
Perf.																

**EQUIPMENT**

No.	Cementer	Helper	Rate
150	Don	Jack	4.75
No.	Cementer	Helper	Rate
220	Bill	W.	20.00
<b>DEPTH of Job</b>			
Reference	4 pumps truck	4.75	20.00
35	mileage		
Total			545.00

Remarks: Test B. Plug 1000# OK  
 spin tool  
 mix cement -  
 Cement did not circulate

Amount Ordered	325 lbs 1/4 # lb seal
Consisting of	
Common	325 lbs 4.25 = 1381.25
Poz. Mix	
Gel	
Chloride	
Quickset	
G/O Seal	8.1 @ 81.00 = 81.00
Handling	3.25 @ 1.00 = 325.00
Mileage	35 @ 13.00 = 455.00
Total	2242.25
Floating Equipment	
Total	\$ 2787.25

RECEIVED 418.09  
 KANSAS CORPORATION COMMISSION  
 FEB 4 1992 \$ 2369.11  
 CONSERVATION DIVISION WICHITA, KS  
 JAN 21 1992  
 JAN 14 1992