

ORIGINAL

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

API NO. 15- 101-21,593
County Lane Lane ✓
20' E of East
NW NW SE Sec. 25 Twp. 19S Rge. 28 XX West

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 Co.

License: 30606

Wellsite Geologist: Kevin Kessler

Designate Type of Completion

- New Well Re-Entry Workover
- Oil SWD Temp. Abd.
- Gas Inj Delayed Comp.
- Dry Other (Core, Water Supply)

If **OWO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

7/22/91 7/31/91 8/24/91

Spud Date 7/22/91 Date Reached TD 7/31/91 Completion Date 8/24/91

2310' Ft. North from Southeast Corner of Section

2290' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

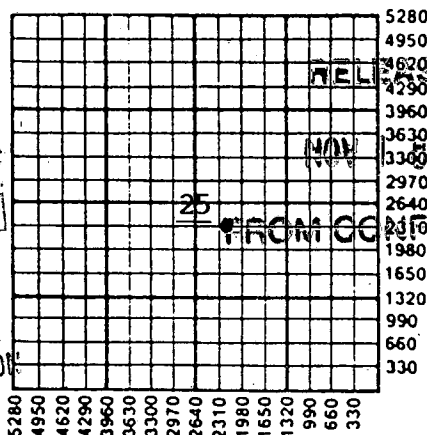
Lease Name Nelson Schwartz Well # 2

Field Name unknown

Producing Formation Lansing/KC

Elevation: Ground 2725' KB 2730'

Total Depth 4665' PBSD n/a



PLEASE KEEP THIS INFORMATION CONFIDENTIAL

RECEIVED KANSAS CORPORATION COMMISSION 10-14-1991 OCT 14 1991

CONSERVATION DIVISION WICHITA, KS

Amount of Surface Pipe Set and Cemented at 214 Feet

Multiple Stage Cementing Collar Used? Yes No

Yes, show depth set 2013 Feet

If Alternate II completion, cement circulated from 2013'

feet depth to surface w/ 375 2/7 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 10/03/91

Subscribed and sworn to before me this 3rd day of October 19 91

Notary Public Linda K. Rice
LINDA K. RICE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6/07/92
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)

P1

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Nelson Schwartz Well # 2

Sec. 25 Twp. 19S Rge. 28W 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.)

Formation Description
 Log Sample
Name Top Bottom

See attached page.

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

See attached page.

FROM 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#	214'	60/40 poz	135	2%gel, 3%CC
Production	7-7/8"	5 1/2"	14#	4663'	60/40 poz	150	10% salt, 3%gel

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
5 shots	4293'-94'	300 gal. of 15% MCA	4293'-95'
4 shots	4294.5'-95'		

TUBING RECORD Size 2-7/8" Set At Packer At Liner Run Yes No

Date of First Production 8/24/91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 120 Bbls. Gas Mcf Water 150 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) 4293'-95'

COPY

SIDE ONE

CONFIDENTIAL

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

API NO. 15- 101-21,593-00-00
County Lane
20' E of _____ East
NW NW SE Sec. 25 Twp. 19S Rge. 28 XX West

Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address 125 N. Market, Suite 1000

2310' Ft. North from Southeast Corner of Section
2290' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

City/State/Zip Wichita, KS 67202
Purchaser: Koch Oil Co.

Lease Name Nelson Schwartz Well # 2
Field Name unknown

Operator Contact Person: Rocky Milford
Phone (316) 267-4375

Producing Formation Lansing/KC

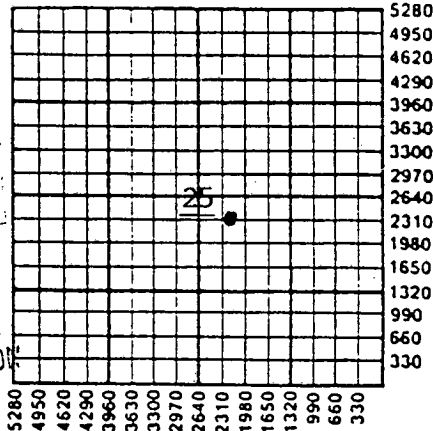
Contractor: Name: White & Ellis Drilling Co.
License: 30606

Elevation: Ground 2725' KB 2730'
Total Depth 4665' PBTD n/a

Wellsite Geologist: Kevin Kessler

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply)



10-15-91

If OWMO: old well info as follows:
Operator: _____

RECEIVED
KANSAS CORPORATION COMMISSION
10-14-1991
OCT 14 1991

Well Name: _____
Comp. Date _____ Old Total Depth _____

Amount of Surface Pipe Set and Cemented at 214 Feet

Drilling Method:
 Mud Rotary Air Rotary Cable
7/22/91 7/31/91 8/24/91
Spud Date Date Reached TD Completion Date

Multiple Stage Cementing Collar Used? Yes No

Yes, show depth set 2013 Feet

If Alternate II completion, cement circulated from 2013'
feet depth to surface w/ 375 2/7 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 10/03/91

Subscribed and sworn to before me this 3rd day of October 19 91

Notary Public Linda K. Rice
My Appt. Exp. 6/07/92
Date Commission Expires _____

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)

21

RITCHIE EXPLORATION, INC.

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

RELEASED

NOV 18 1993

FROM CONFIDENTIAL

Ritchie Exploration, Inc.'s
 #2 Nelson Schwartz
 20' E of NW NW SE
 Section 25-19S-28W
 Lane County, KS
 API# 15-101-21,593-00-00
 License #4767

ORIGINAL

PLEASE KEEP THIS
 INFORMATION
 CONFIDENTIAL

ACO-1 form
 Page 2

DRILL STEM TESTS

DST #1 from 4226' to 4240'
 (L/KC "J" zone). Recovered 10'
 of mud, few specks oil on top.
 IFP:22-22#/30"; ISIP:831#/30";
 FFP:22-22#/30"; FSIP:798#/30".

DST #2 from 4249' to 4268'
 (L/KC "K" zone). Recovered
 1,060' of water, no show of oil.
 IFP:88-333#/30"; ISIP:754#/30";
 FFP:388-500#/30"; FSIP:754#/30".

DST #3 from 4289' to 4301'
 (L/KC Upper "L" zone).
 Recovered 480' of gas in pipe;
 400' of slightly water and gas
 cut oil (2% gas, 95% oil, 3%
 water); 100' of gassy mud and
 water cut oil (10% gas, 70%
 oil, 5% mud, 15% water); 100'
 of gassy mud and water cut oil
 (15% gas, 50% oil, 10% mud, 25%
 water); 520' of oil cut water
 (5% oil, 95% water); 1,040' of
 water w/scum of oil. 2,160' of
 total fluid (2% gas, 24% oil,
 1% mud, 73% water).
 IFP:632-887#/30"; ISIP:975#/30";
 FFP:942-975#/30"; FSIP:975#/30".

DST #4 from 4341' to 4456'
 (Pleas.-Alt. "C" zones).
 Recovered 15' of mud with few
 spots of oil.
 IFP:22-22#/30"; ISIP:133#/30";
 FFP:22-33#/30"; FSIP:133#/30".

DST #5 from 4514' to 4592' (Ft.
 Scott-Johnson zone). Recovered
 15' of mud with few specks of
 oil.
 FFP:22-22#/30"; ISIP:77#/30";
 FFP:22-33#/30"; FSIP:55#/30".

ELECTRIC LOG TOPS

Anhydrite	2037' (+ 693)
B/Anhydrite	2069' (+ 661)
Heebner	3949' (-1219)
Lansing	3989' (-1259)
Muncie Creek	4160' (-1430)
Stark	4256' (-1526)
B/KC	4339' (-1609)
Marmaton	4366' (-1636)
Pawnee	4472' (-1742)
My. Station	4499' (-1769)
Ft. Scott	4518' (-1788)
Cherokee	4542' (-1812)
Johnson zone	4583' (-1853)
Miss.	4620' (-1890)
LTD	4665' (-1935)

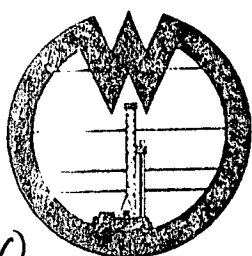
RECEIVED

KANSAS CORPORATION COMMISSION

OCT 14 1991

CONSERVATION DIVISION
 WICHITA, KS

NOV 18 1993



ORIGINAL FROM CONFIDENTIAL

15-101-21593-00-00

WHITE

AND ELLIS DRILLING, Inc.

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

DRILLERS LOG

OPERATOR: Ritchie Exploration, Inc., 125 N. Market - Suite 1000,
Wichita, KS 67202
CONTRACTOR: White & Ellis Drilling, Inc., P. O. Box 48848,
Wichita, Kansas 67201-8848

Lease Name Nelson Schwartz Well No. 2
20' East of
Sec. 25 T. 19S R. 28W Spot NW NW SE
County Lane State Kansas Elev. _____

Casing Record:

Surface: 8 5/8" @ 214' with 135 sx.
Production: 5 1/2" @ 4665' with 165 sx.

Type Well: Oil Well Total Depth 4665'
Drilling Commenced 7-22-91 Drilling Completed 7-31-91

Formation	From	To		Tops
Cellar	0	7	Anhydrite	2038
Sand & Shales	7	215	Heebner	3940
Shale	215	690	Lansing	4075
Shales & Sand	690	1570	L/KC	4220
Sand	1570	1750	KC	4240
Shales	1750	2220	Marmaton	4420
Shale & Sand	2220	2705	Cherokee	4456
Shales	2705	2965	Myrick Station	4498
Shales & Lime	2965	3570	Johnson-Miss	4592
Lime & Shales	3570	4665	Mississippi	4632

AUG 13 1991

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

Phone Ness City
 No.

ORIGINAL
 15-101-21593-00-00
ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	7-22-91	Sec.	25	Twp.	19	Range	28	Called Out	2:00 P.M.	On Location	5:00 P.M.	Job Start	5:30 P.M.	Finish	6:15 P.M.
Lease	Nelson	Well No.	# 2	Location	96 + Alamo, 3W, 7 1/2 S, W5			County	Lawe	State	KS				
Contractor	White & Ellis Rig # 9														
Type Job	Surface														
Hole Size	12 1/4"			T.D.	215'										
Csg. hole	8 5/8"			Depth	213'										
Tbg. Size	3 1/2"			Depth	PLEASE KEEP THIS INFORMATION CONFIDENTIAL										
Drill Pipe	3 1/2"			Depth	PLEASE KEEP THIS INFORMATION CONFIDENTIAL										
Tool	15'			Shoe Joint	PLEASE KEEP THIS INFORMATION CONFIDENTIAL										
Cement Left in Csg.	15'			Minimum											
Press Max.				Displace	12 3/4 bbls										
Meas Line															
Perf.	EQUIPMENT														

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

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 James Cromwell

CEMENT

Amount Ordered 135 SKS 6940 390cc, 290Gel

#	No.	Cementer	Tim
Pumptrk	181	Helper	Cary
#	No.	Cementer	
Pumptrk		Helper	RECEIVED
#	No.	Driver	KANSAS CORPORATION COMMISSION
Bulktrk	69	Driver	OCT 14 1991

Consisting of			
Common	81	5.25	425.
Poz. Mix	54	2.25	121.5
Gel.	3	6.75	N/C
Chloride	4	21.00	84.0
Quickset			
RELEASED			
Handling	135	1.00	135.0
Mileage	32		172.8
FROM CONFIDENTIAL			
Sub Total			
Total			938.5

DEPTH of Job	215'	CONSERVATION DIVISION
Reference:	Pumptrk Charge	380.00
32	Pumptrk Mileage	64.00
	8 5/8 Wooden Plugs	42.00
	Sub Total	
	Tax	
	Total	486.00

Floating Equipment	
Total	\$ 1424.55
Disc	213.69
	\$ 1210.86

Remarks: Cement Did Circulate

Allied Cementing
 By Tim Jackson

Thanks

JUL 26 1991

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

New

15-101-21593-00-00

Date	July 31	Sec.	25	Twp.	19	Range	28	Called Out	1:00 Pm	On Location	2:00 Pm	Job Start	6:00	Finish	7:05
Lease	Nelson Schwartz	Well No.	# 2	Location		Allamota 3 W 2 1/2 Lane KS									
Contractor	White & Ellis Pctg														
Type Job	Long String 5 1/2"														
Hole Size	7 7/8		T.D. 4665												
Csg.	5 1/2 14"		Depth 4663												
Tbg. Size			Depth EASE KEEP TH												
Drill Pipe			Depth INFORMATION												
Tool			Depth CONFIDENTIAL												
Cement Left in Csg.	19		Shoe Joint 19												
Press Max.	1000 #		Minimum												
Meas Line	465 4657 KB+10		Displace 113.3												
Perf.															

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 Explor Inc
Street 125 N. Market Suite 100
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	165 60/40	10% salt	30 gal wfr
Consisting of			
Common	99	5.25	519.75
Poz. Mix	66	2.25	148.50
Gel.			
Chloride	WFR #2 500 gal @ .50¢		250.00
Quickset	Gilsonite 495	.33	163.30
Salt-16	@ 4.75		76.00

EQUIPMENT

Pumptrk	No.	Cementer	Randy Pearson
		Helper	Bill
Pumptrk	No.	Cementer	
	63	Helper	
Bulktrk	#	Driver	Keith
		Driver	

RECEIVED

KANSAS CORPORATION COMMISSION

DEPTH of Job OCT 14 1991

Reference:	Pump Truck	880.00
32	" CONSERVATION DIVISION	64.00
	5 1/2 Rubber Plug	45.00
	Total	989.00

Remarks: Good field
Allied Cementing
By Randy Pearson
AUG 12 1991

AUG 7 1991
15 Sko in Rathole

Handling 165.00
Mileage 32 NOV 18 1993 211.20

FROM CONFIDENTIAL

Floating Equipment

Rotating Head	-60.00
Baker Part Collar	-1785.00
Guide Shoe	-125.00
Baker Insert	-189.00
Basket	-127.00
Turbo Cent	-280.00
Reg Cent	-46.00

Total \$2612.00

Russell, Kansas
 73-5861, Great Bend, Kansas

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

ORIGINAL ALLIED CEMENTING CO., INC.

No. 2936

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

15-101-21593-00-00

Date	8-21-91	Sec.	25	Twp.	19	Range	28	Called Out	7:30 AM	On Location	9:45 AM	Job Start	10:00 AM	Finish	3:30 PM		
Lease	Nelson Schwartz		Well No.	#2		Location	Alamata, 3W 7 1/2 S Winto Lane			County	Ka		State	Ka			
Contractor	Express Well Service					Owner	Ritchie Exploration										
Type Job	Port collar					PLEASE KEEP THIS INFORMATION CONFIDENTIAL					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	5 1/2					Depth	2021'					Charge To	Ritchie Exploration Inc.				
Csg.	2 1/2					Depth						Street	125 N. Market Suite 1000				
Tbg. Size	2 1/2					Depth						City	Wichita State Ko-67202				
Drill Pipe						Depth						The above was done to satisfaction and supervision of owner agent or contractor.					
Tool	Port collar					Depth	2021'					Purchase Order No.	X Bennie Ditts				
Cement Left in Csg.						Shoe Joint						CEMENT					
Press Max.	1000#					Minimum						Amount Ordered	375 cu 50/50 6% gel 1/4" fbr seal				
Meas Line	NO					Displace	11.7					Consisting of	(used) 217 50/50				
Perf.											Common	109	5.25	572.2			

EQUIPMENT

Pumptrk #158	No.	Cementer	
		Helper	
Pumptrk #220	No.	Cementer	Jayson Drilling
		Helper	Bob
		Driver	Wif.
Bulktrk	Driver		OCT 14 1991

RECEIVED
 KANSAS CORPORATION COMMISSION
 NOV 16 1993

Common	109	5.25	572.2
Poz. Mix	108	2.25	243.0
Gel.	13	6.75	87.7
Chloride			
Quickset			
FROM CONFIDENTIAL			
Handling	375	1.00	375.00
Mileage	32		480.00
		Subtotal	
		Total	1758.00

DEPTH of Job		CONSERVATION DIVISION	
Reference:	Pump, trk	WICHITA, KS	475.00
32	Mileage		64.00
	stripper head		60.00
AUG 27 1991		Sub-Total	
		Total	599.00

Floating Equipment			
Total \$	2357.00		
Disc -	353.55		
	\$ 2003.45		

Remarks: loaded hole & pressure to 1000# & held, run tubing, found port collar & opened it mixed 217 cu 50/50 6% gel 1/4" fbr seal, displaced 10 bbls out.

By Allied Cementing Co. Inc.
 Jayson Drilling
 8-21-91
 Thank you.

weighed back truck

SEP 4 1991