

ORIGINAL

RELEASED

SIDE ONE

OCT 07 1992

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 6720  
Purchaser: Koch Oil Company  
Operator Contact Person: Jeff Christian  
Phone (316) 267-4375  
Contractor: Name: Murfin Drilling Co.  
License: 30606

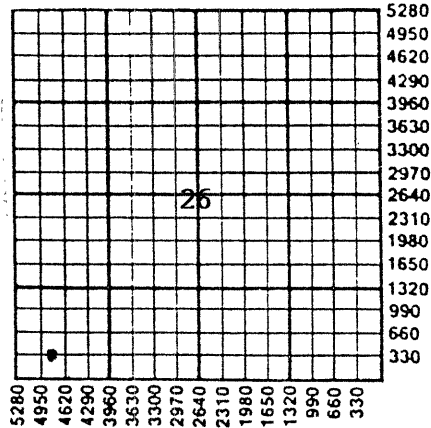
Wellsite Geologist: Kitt Noah  
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Cores, Water Supply, etc.)

If **OWMO**: old well info as follows:  
Operator: OCT 14 1991  
Well Name: 10-14-1991  
Comp. Date Old Total Depth  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
7/18/91 7/26/91 8/20/91  
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22,645-00-00  
County Graham FROM CONFIDENTIAL  
150 E of SW SW SW Sec. 26 Twp. 8S Rge. 22  East West

330 Ft. North from Southeast Corner of Section  
.4800 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Kirkpatrick Well # 1  
Field Name Michelson SE  
Producing Formation Lansing  
Elevation: Ground 2195' KB 2200'  
Total Depth 3830' PBTD



Amount of Surface Pipe Set and Cemented at 211' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1743' Feet  
If Alternate II completion, cement circulated from 1743'  
feet depth to surface w/ 375 sx cmt.

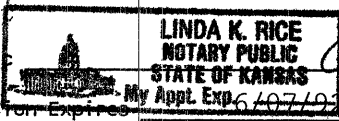
**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held 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 9/20/91

Subscribed and sworn to before me this 20th day of September, 19 91.

Notary Public Linda K. Rice  
Date Commission Expires 6/07/93



**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)

SIDE TWO

Operator Name Ritchie Exploration, Inc. Lease Name Kirkpatrick Well # 1  
 Sec. 26 Twp. 8S Rge. 22W  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.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Formation Description</b>  <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample  Name Top Bottom
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
See attached page.		See attached page.

PLEASE KEEP THIS INFORMATION CONFIDENTIAL

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#	211'	60/40 poz	150	2%gel, 3%CC
Production	7-7/8"	4-1/2"	10.5#	3827'	60/40 poz	175	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 shots	3605.3'-06.3'			500 gal. of 15% NE		3605.3'-06.3'	
3 shots	3520'-21'			500 gal. of 15% NE		3520'-21'	
3 shots	3475.5'-76.5'			500 gal. of 15% NE		3475.5'-76.5'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method		Set At		Packer At	
8/26/91		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		2-3/8"			
Estimated Production Per 24 Hours		Oil 35 Bbls.	Gas Mcf	Water 88.77 Bbls.	Gas-Oil Ratio		Gravity

Disposition of Gas: n/a

**METHOD OF COMPLETION**  Open Hole  Perforation  Quality Completed  Confinement  Other (Specify) \_\_\_\_\_

Production Interval: 3605.3'-06.3'; 3520'-21'; 347.5'-

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RITCHIE EXPLORATION, INC.

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

OCT 9 7 1991

FROM CONFIDENTIAL

Ritchie Exploration, Inc.'s  
#1 Kirkpatrick  
150' E of SW SW SW  
Section 26-8S-22W  
Graham County, Kansas  
API# 15-065-22,645  
License #4767

15-065-22645-00-00

PLEASE KEEP THIS  
INFORMATION  
CONFIDENTIAL

AC0-1 form  
Page 2

DRILL STEM TESTS

ELECTRIC LOG TOPS

DST #1 from 3434' to 3460' (Top zone). Recovered 310' of salt water.  
IFP:67-96#/30"; ISIP:1152#/45";  
FFP:134-163#/30"; FSIP:1143#/45".

Anhydrite	1772' (+ 428)
B/Anhydrite	1806' (+ 394)
Topeka	3184' (- 984)
Heebner	3401' (-1201)
Toronto	3426' (-1226)
Lansing	3441' (-1241)
B/KC	3647' (-1447)
Marmaton	3683' (-1483)
Ero.Ar buckle	3772' (-1572)
Ar buckle	3806' (-1606)
LTD	3829' (-1629)

DST #2 from 3464' to 3490' (35' zone). Recovered 45' of oil and 115' of salt water with oil spots.  
IFP:67-76#/30"; ISIP:1181#/45";  
FFP:86-96#/30"; FSIP:1171#/45".

DST #3 from 3505' to 3530' (70'-90' zones). Recovered 150' of gas in pipe; 30' of free oil; 120' slightly oil cut muddy water; and 240' salt water with oil spots. 390' total fluid (9% oil, 8% mud, 83% water).  
IFP:76-125#/45"; ISIP:1114#/45";  
FFP:173-211#/45"; FSIP:1085#/45".

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OCT 14 1991

CONSERVATION DIVISION  
WICHITA, KS

DST #4 from 3556' to 3624' (140'-180' zones). Recovered 5' of oil; 70' of slightly oil cut watery mud (2% oil, 25% water, 73% mud); and 120' of muddy water with oil spots.  
IFP:63-84#/45"; ISIP:1320#/60";  
FFP:116-137#/45"; FSIP:1278#/60".

DST #5 from 3646' to 3700' (Marmaton). Recovered 10' of mud, no show of oil.  
IFP:52-52#/30"; ISIP:74#/30";  
FFP:52-52#/30"; FSIP:63#/30".

DST #6 from 3723' to 3782' (Arbuckle). Recovered 5' of mud, no show of oil.  
IFP:67-67#/30"; ISIP:105#/30";  
FFP:67-67#/30"; FSIP:86#/30".

ORIGINAL JUL 91

RELEASED

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

OCT 9 7 1991

NEW

15-065-22645-00-00

Date	7-18-91	Sec.	26	Fwp.	8	Range	22	Called Out	2:00 PM	On Location	5:00 PM	Job Start	7:00 PM	Job End	7:30
Leas	Kirkpatrick	Well No.	#1	Location	Bogue	3 1/2 W 25 N E 4 N	Graham	County	Graham	State	Kans.				
Contractor	Murkin only			Rig	8			Owner	Same						
Type Job	Surface							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	12 1/4"	T.D.	212'					Charge To	Ritchie Exploration Inc.						
Csg.	8 3/8"	Depth	211'					Street	125 N MARKET SUITE 100						
Tbg. Size		Depth						City	Wichita	State	KANSAS				
Drill Pipe		Depth		PLEASE KEEP THIS INFORMATION CONFIDENTIAL											
Tool		Depth						The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	15'	Shoe Joint						Purchase Order No.							
Press Max.		Minimum						X	Flashed						
Meas Line	Yes	Displace													
Perf.															

### EQUIPMENT

#153 No.	Cementer	M Kaufman
Pumptrk	Helper	Gerald K
No.	Cementer	
Pumptrk	Helper	
#218	Driver	Jason C.
Bulktrk	Driver	

DEPTH of Job		Reference:	
#	PUMP TRK		380.00
	1-8" Solid Rubber plug		42.00
	2" Perm. IE		62.00
	Sub Total		
	Tax		
	Total		484.00

Remarks: Cement Circulated

Amount Ordered	150 S10 60/40 Poz 3% CC 2% be
Consisting of	
Common	90 @ 5.25 = 472.50
Poz. Mix	60 @ 2.25 = 135.00
Gel.	3 @ N/C = N/C
Chloride	5 @ 21.00 = 105.00
Quickset	
Handling	@ 1.00 = 150.00
Mileage	44/31 @ 1.00/Mi = 186.00
31	
Sub Total	
Total	1048.50

Floating Equipment

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CONSERVATION DIVISION WICHITA, KS

OCT 14 1991

22 1991

Thank you

Terms: Payable upon receipt

TOTAL

2527, Russell, Kansas

6-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

New ORIGINAL

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 3

Russell, Kansas 67665

No. 2014

15-065-22645-00-00

FROM CONFIDENTIAL

Date	7-26-91	Sec.	26	Fwp.	8	Range	22	Called Out	8:30 AM	On Location	1:00 PM	Job Start	5:30 PM	Finish	6:30 PM
Leas	Kirkpatrick	Well No.	# 1	Location	Boque 3 1/2 W 2 S 1/4 E 1/4 N	County	Graham	State	Kansas						
Contractor	Murkin Drlg	Rig	8	Owner	SAME										
Type Job	Production	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	7 1/2"	T.D.	3830'	Charge To	Ritchie Exploration Inc.										
Csg.	4 1/2"	Depth	3828'	Street	125 N Market #1000										
Tbg. Size		Depth		City	Wichita	State	Kan	67202							
Drill Pipe		Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
Tool	4 1/2" Baker Port Collar	Depth	1743'	Purchase Order No.											
Cement Left in Csg.	17.59	Shoe Joint	17.59	CEMENT 500 Gal WFR-2											
Press Max.		Minimum		Amount Ordered	200 SKS 60/40 Pz 10.521 32 Gal										
Meas Line	Yes	PLEASE KEEP THIS INFORMATION CONFIDENTIAL													
Perf.		EQUIPMENT													

#191	No.	Cementer	M Kaufman
Pumptrk		Helper	Wayne M.
#160	No.	Cementer	
Pumptrk		Helper	
Bulktrk		Driver	Paul D.
Bulktrk		Driver	

DEPTH of Job		
Reference #	Pump Trk	880.00
	2 <sup>nd</sup> Per-mile	30 60.00
	1 <sup>st</sup> 4 1/2 Plug	33.00
	Sub Total	973.00
	Tax	
	Total	

Remarks:

15 SKS in Rat Hole  
10 SKS in Mouse Hole  
Float Held

copy to Linda  
8/6/91 FLS

Thanked

Consisting of		
Common	120	5.25 630.00
Poz. Mix	80	2.25 180.00
Gel.		
Chloride Salt	18	4.75 85.50
Quicksort Gil	522#	.33 172.26
WFR2	500gal	.50 250.00
Handling		1.00 200.00
Mileage	0.4	30m 240.00
Sub Total		1757.76
Total		

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KANSAS CORPORATION COMMISSION

OCT 14 1991

CONSERVATION DIVISION

Floating Equipment

5-Turbo Centralizers \$ 230.00  
1-Reg Centralizers 43.00  
1-Basket 113.00  
1-AFU Insert 169.00  
1-Guide Shoe AUG 6 1991 09.00  
1-Port Collar Baker 1680.00  
# 2344.00

JUL 30 1991

