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

JUL 2 4

CONFIDENTIAL

API NO. 15- 065-22,677
County Graham
SW-SW-SW Sec. 32 Twp. 6S Rge. 23 E/W

ORIGINAL

Operator: License # 4767

Name: Ritchie Exploration, Inc.

Address 125 N. Market, Ste. 1000

City/State/Zip Wichita, KS 67202-1775

Purchaser: Koch Oil Company

Operator Contact Person: Jeff Christian

Phone (316)267-4375

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: K. Noah

Designate Type of Completion
 New Well Re-Entry Workover

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

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth 6 1994

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

05-13-92 05-19-92 6-16-92
Spud Date Date Reached TD Completion Date

330 Feet from S/N (circle one) Line of Section
4950 Feet from E/W (circle one) Line of Section

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

Lease Name M. Walters Well # 1

Field Name White

Producing Formation L/KC

Elevation: Ground 2497' KB 2502'

Total Depth 3974' PBTD 3962'

Amount of Surface Pipe Set and Cemented at 303 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2168' Feet

If Alternate II completion, cement circulated from 2168' feet depth to surface w/ 250 sx cmt.

Drilling Fluid Management Plan ALT 2 9/21/92 JAH
(Data must be collected from the Reserve Pit)

Chloride content 700 ppm Fluid volume 400 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____

Quarter Sec. _____ S Rng. _____ E/W

County _____ Docket No. _____

RELEASED

FROM CONFIDENTIAL

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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, recompleting wells 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 82-3-106). 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 _____

Title President Date 7-24-92

Subscribed and sworn to before me this 24 day of JULY 19 92.

Notary Public Lisa Thimmesch

Date Commission Expires _____

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp 8-29-95

RECEIVED
KANSAS CORPORATION COMMISSION
JUL 24 1992
CONSERVATION DIVISION
WICHITA, KS 7-24-92
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 ITAMCO Exploration, Inc. Lease Name M. Walters Well # 1
 Sec. 32 Twp. 6S Rge. 23 East West
 County Graham

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:

R. A. Guard Log

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

See attached sheet

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#	303'	60/40	190	2%Gel 3%CC
production	7-7/8"	5 1/2"	14#	3972'	60/40	140 ^{KCC 250}	10% salt

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	3408.3'-3806.3' 50' zone		
3	3789.3'-3796.3' 35' zone	450 gallons 15% NE	3789.3'-3796.3'

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2 3/8"	3016.22'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.			Producing Method				
6-17-92			<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	20.08	0	36.74				

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify)

Production Interval

RITCHIE EXPLORATION, INC.

125 N. Market - Suite 1000

Wichita, Kansas 67202-1775

316-267-4375 FAX 316-267-3026

ORIGINAL

JUL 24

CONFIDENTIAL

#1 M. Walters
SW SW SW
Section 32-6S-23W
Graham County, Kansas
API# 15-065-22,677

LOG TOPS

Anhydrite	2183' (+ 317)
B/Anhydrite	2217' (+ 283)
Topeka	3519' (-1019)
Heebner	3720' (-1220)
Toronto	3744' (-1244)
Lansing	3761' (-1261)
B/KC	3951' (-1451)
LTD	3973' (-1473)

RELEASED

SEP 6 1994

FROM CONFIDENTIAL

DST #1 from 3780' to 3800' (35' zone). Recovered 120' gas in pipe, 150' slightly mud cut oil (95% oil, 5% mud); 60' slightly mud cut oil (90% oil, 10% mud); and 60' mud and oil (50% oil, 50% mud). 270' total fluid (84% oil, 16% mud). 29° Gravity at 60° F.
IFP:40-60#/45"; ISIP:1125#/45";
FFP:101-121#/45"; FSIP:1095#/45".

DST #2 from 3800' to 3818' (50' zone). Recovered 240' gas in pipe; 568' clean gassy oil, 29° gravity; 60' mud cut watery oil (50% oil, 20% water, 30% mud); 186' slightly oil cut water (10% oil, 90% water); 124' water. 938' total fluid (66% oil, 32% water, 2% mud).
IFP:91-203#/30"; ISIP:856#/30";
FFP:274-365#/30"; FSIP:846#/30".

DST #3 from 3866' to 3924' (140' and 180' zones). Recovered 5' mud, no show of oil.
IFP:30-30#/30"; ISIP:50#/30";
FFP:30-30#/30"; FSIP:40#/30".

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 24 1992
CONSERVATION DIVISION
WICHITA, KS

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

Russell, Kansas

JUL 2 4

Phone Plainville 913-434-2812

5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

No. 2448

ORIGINAL

New

Date	5-13-92	Sec.	32	Fwp.	6	Range	23	Called Out		On Location	6:30 PM	Job Start		Finish	8 PM
Lease	M Walters	Well No.	1	Location	Hill City 8N 4W			County	Graham	State	Kan				

Contractor	Murfin #8		
Type Job	Surface		
Hole Size	12 1/4	T.D.	304
Csg.	8 5/8	Depth	303
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	RELEASED
Cement Lft in Csg.	15'	Shoe Joint	SEP 6 1994
Press Max.		Minimum	
Meas Line	✓	FROM CONFIDENTIAL	
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	R. T. Che Exp
Street	125 N Market #1000
City	Wichita State Kan 67202
The above was done to satisfaction and supervision of owner agent or 1775 contractor.	
Purchase Order, No.	X <i>Don DeLotto</i>
CEMENT	
Amount Ordered	190 60/40 3% ALL 2% Gel

EQUIPMENT

Pumptrk	No. 191	Cementer	McAdoo
		Helper	Wayne
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	212	Driver	Joe
Bulktrk		Driver	

Consisting of			
Common	114	SKs @ 5.25	598.00
Poz. Mix	76	SKs @ 2.25	171.00
Gel.	3	SKs @ 6.75	20.25
Chloride	5	SKs @ 21.00	105.00
Quickset			
Sales Tax			
Handling	1.00 per SK		190.00
Mileage	4¢ per SK/mile		357.20
	47 miles		
Sub Total			
Total			1,421.20

DEPTH of Job

Reference:	Pump Truck	380.00
	Plug-Rubber	73.00
	200 Permite	94.00
Sub Total		
Tax		
Total		547.00

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JUL 24 1992
CONSERVATION DIVISION
WICHITA, KS

Remarks:

Cement Did Cir.

*copy 11/1/92
5-19-92
SS*

OK

MAY 18 1992

627, Russell, Kansas
3-5861, Great Bend, Kansas

JUL 24

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

New CONFIDENTIAL

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL 2047

Lease	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
5-20-92	32	6 ^s	23 ^w	4:00 A.M.	6:00 A.M.	10:45 A.M.	11:45 A.M.
M. Walters	Well No. 1	Location Hill City 8N4W1/8NE			County Graham	State Ks.	

Contractor	Munfin Drilling Co.	Rig # 8
Type Job	Production String	
Hole Size	7 7/8"	T.D. 3975'
Csg. Size	5 1/2"	Depth 3972'
Drill Pipe	Baker port collar	Depth 2167'
Tool		Depth
Cement Left in Csg.	12'	Shoe Joint 12.36'
Press Max.	900 #	Mileage
Meas Line	X	
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.	

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JUL 24 1992

EQUIPMENT		
No.	Cementer	
191	Helper	Gary H. Wayne Mc.
No.	Cementer	
	Helper	
	Driver	Joe S.
	Driver	

CONSERVATION DIVISION
WICHITA, KS

RELEASED

SEP 6 1994

FROM CONFIDENTIAL

DEPTH of Job	1-5 1/2" rubber plug	45.00
Reference: #1	Pumptruck-long string	880.00
#12	5 1/2" rotating swivel	60.00
#13	mileage @ 2.00/mi.	90.00
	Sub Total	\$1075.00
	Tax	
	Total	

Amount Ordered	140 sks 60/40 poz. 10% salt, 3% gilsonite	
Consisting of	500 gal. WFR II mud flush	
Common	84 sks @ 5.25/sk.	\$441.00
Poz. Mix	56 sks @ 2.25/sk.	126.00
Gel.		
Chloride Salt	14 sks @ 4.75/sk.	66.50
Quickset gilsonite	363 # @ 33¢/lb.	119.79
WFR II	500 gal. @ 50¢/gal.	250.00
	Sales Tax	
Handling	@ 1.00/sk. (140 sks)	140.00
Mileage	@ 4.41/sk. /mi. (45 mi.)	252.00
	Sub Total	\$1395.29
	MAY 28 1992	

Floating Equipment	5 1/2"	
1- regular guide shoe		\$125.00
1-AFU insert (Flapper type)		189.00
1-centralizer		46.00
1-cementing basket		127.00
1-port collar (Baker)		1785.00
5-turbo centralizers	@ 58.00 ea	290.00
		\$2562.00

Remarks: Float Held.
Plugged rat hole w/15 sks.
Thanks

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

JUL 24

Phone Plainville 913-434-2812

New CONFIDENTIAL Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL

Date	5-27-92	Sec.	32	Twp.	6 ^s	Range	23 ^w	Called Out	6:00 A.M.	On Location	9:00 A.M.	Job Start	11:30 A.M.	Finish	12:45 P.M.	
Lease	M. Walters	Well No.	1	Location				Hill City 8N4W 1/8 NE	County	Graham	State	Ks.				

Contractor	Express Well Service		
Type Job	Port Collar		
Hole Size	7 7/8"	T.D.	3975'
Csg.	5 1/2"	Depth	3972'
Tbg. Size	2"	Depth	
Surface Drill Pipe	8 7/8"	Depth	303'
Tool	Baker Port Collar	Depth	2168'
Cement Left in Csg.		Shoe Joint	
Press Max.	1000#	Minimum	RELEASED
Meas Line		Displace	X
Perf.			SEP 6 1994

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>

EQUIPMENT FROM CONFIDENTIAL

Pumptrk	No.	Cementer	Gary H. Marklyn K.
	191	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	#212	Driver	Joe S.
Bulktrk		Driver	

Amount Ordered	250 sks ⁵⁰ / ₅₀ @ 2.00 = 620.00
Consisting of	with 1/4# of Plaseal/sk.
Common	125 sks @ 5.25/sk. = 656.25
Poz. Mix	125 sks @ 2.25/sk. = 281.25
Gel.	8 sks @ 6.75/sk. (Used 13 sks) = 54.00
Chloride	
Quickset	
Floaseal	63# @ 1.00/16. = 63.00
Sales Tax	
Handling	@ 1.00/sk. (250 sks) = 250.00
Mileage	@ 0.44/sk./mi. (45 mi.) = 450.00
Sub Total	# 1754.50
Total	

DEPTH of Job

Reference:	#5 Pumptruck-port collar	# 475.00
	#13 mileage @ 2.00/mi.	90.00
Sub Total		# 565.00
Tax		
Total		

Remarks: Port collar opened and closed okay and held.
 Cement Circulated.

Floating Equipment

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JUL 24 1992

CONSERVATION DIVISION
 WICHITA, KS

JUN 3 1992