

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

ORIGINAL
KCC

MAY 4

CONFIDENTIAL

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

Purchaser: NA
Operator Contact Person: Jeff Christian
Phone (316) 267-4375

Contractor: Name: Murfin Drilling Company, Inc.
License: 30606

Wellsite Geologist: K. Kessler

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: RELEASED
Well Name: 4-1-96
Completion Date: 1 1996 Old Total: 5-5-92 MAY 5 1992
Deepening: FROM CONFIDENTIAL Conv. to Inj/SWD
Commingled Docket No. CONSERVATION DIVISION WICHITA, KS
Dual Completion Docket No. WICHITA, KS
Other (SWD or Inj?) Docket No. WICHITA, KS
04-07-92 04-14-92 04-15-92
Spud Date Date Reached TD Completion Date

API NO. 15- 137-20,381 00-00
County Norton
NW NW NE Sec. 33 Twp. 5S Rge. 22 X W

330 Feet from S/N (circle one) Line of Section
2310 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 Minks Well # 1

Field Name _____

Producing Formation NA

Elevation: Ground 2344' KB 2349'

Total Depth 3780' PBTD 3900'

Amount of Surface Pipe Set and Cemented at 260 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT-D OPA
(Data must be collected from the Reserve Pit)

Chloride content 687 ppm Fluid volume 2,600 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: NA

Operator Name _____
Lease Name _____ License No. _____
Quarter _____ S Rng. _____ E/W _____
County _____ Docket No. _____

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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, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-196 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 5/4/92
Subscribed and sworn to before me this 4th day of May
19 92
Notary Public Lisa Thimmesch
Date Commission Expires _____

LISA THIMMESCH
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-21-92

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 Minks Well # 1
 Sec. 33 Twp. 5S Rge. 22 East County Norton
 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 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:

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

SEE ATTACHED SHEET

R.A. Guard Log

THIS INFORMATION IS CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> New <input 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#	260'	60/40	170	2%Gel, 3%CC

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	Top Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used) Depth	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input 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	

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 _____

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MAY 4

ORIGINAL

Ritchie Exploration, Inc.
#1 Minks
API# 15-137-20,381
ACO-1
Page 2

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RELEASED

APR 1 1996

MAY 5 1992

FROM CONFIDENTIAL

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CONSERVATION ELECTRIC LOG TOPS	R	W
Anhydrite	1969'	(+ 380)
B/Anhydrite	1999'	(+ 350)
Topeka	3322'	(- 973)
Heebner	3520'	(-1171)
Toronto	3546'	(-1197)
Lansing	3563'	(-1214)
B/KC	3748'	(-1399)
LTD	3780'	(-1431)

DST #1 from 3333' to 3357' (Topeka 30' zone). Recovered
20' gassy mud, 30' water.
IFP:48-48#/45"; ISIP:1124#/45";
FFP:57-57#/45"; FSIP:1104#/45".

DST #2 from 3552' to 3580' (L/KC Top zone). Recovered
600' salt water, no show of oil.
IFP:67-105#/30"; ISIP:1104#/30";
FFP:153-182#/30"; FSIP:1076#/30".

DST #3 from 3578' to 3600' (L/KC 35' zone). Recovered
115' salt water with scum of oil.
IFP:57-67#/45"; ISIP:1143#/45";
FFP:86-96#/45"; FSIP:1095#/45".

DST #4 from 3595' to 3617' (L/KC 50' zone). Recovered 30'
free oil, 80' salt water.
IFP:67-67#/45"; ISIP:1019#/45";
FFP:76-76#/45"; FSIP:971#/45".

DST #5 from 3616' to 3650' (L/KC 90' and 100' zones).
Recovered 45' slightly oil cut mud (5% oil, 95% mud).
IFP:67-67#/30"; ISIP:1248#/30";
FFP:76-76#/30"; FSIP:1209#/30".

DST #6 from 3688' to 3716' (L/KC 180' zone). Recovered 2'
free oil, 278' saltwater.
IFP:67-105#/45"; ISIP:201#/45";
FFP:125-163#/45"; FSIP:201#/45".

Rotary total depth 3780'. Ran Electric log. DST #7 from
3734' to 3780' (L/KC 220' zone). Recovered 5' heavy oil,
300' muddy saltwater.
IFP:86-125#/45"; ISIP:1181#/60";
FFP:134-192#/45"; FSIP:1133#/60".

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

KCC
 MAY 4

ORIGINAL

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

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

2253

Home Office P. O. Box 31

Russell, Kansas 67665

Date	4-14-92	Sec.	33	Twp.	5	Range	22	Called Out	5:30 PM	On Location	9:30 PM	Job Start	10:00 PM	Finish	12:30 AM
Lease	MINKS	Well No. #	1	Location	HILL CITY	1 1/2 E 1/2 E		County	NORTON	State	KANSAS				
Contractor	Murkin Drig	Rig 8		Owner SAME											
Type Job	PLUG	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 7/8"	T.D.	3780'												
Csg.	8 5/8"	Depth	260'												
Tbg. Size		Depth													
Drill Pipe		Depth													
Tool		Depth													
Cement Left in Csg.		Shoe Joint													
Press Max.		Minimum													
Meas Line		Displace													
Perf.															

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EQUIPMENT

#191 No.	Cementer	M Kaufman
Pumptrk	Helper	Wayne M
No.	Cementer	
Pumptrk	Helper	RECEIVED
#212	Driver	KANSAS CORPORATION COMMISSION
Bulktrk	Driver	MAY 5 1992

Purchase Order No. *[Signature]*
 Amount Ordered 190 SKS 60/40 poz. 6 7/8"
 Consisting of
 Common 114 @ 525 598.00
 Poz. Mix 76 @ 225 RELEASED 71.00
 Gel. 7 @ 675
 Chloride APR 1 1996 47.25
 Quickset

FROM CONFIDENTIAL
 Sales Tax

DEPTH of Job	CONSERVATION DIVISION	
Reference #	PUMP TRK	380.00
	1-8 5/8" PLUG	20.00
	2.00 Per mile	102.00
	Sub Total	
	Tax	
	Total	502.00

Handling	@ 1.00 ea	190.00
Mileage	4¢ / 1/2 mile	387.6
51 APR 92	1 0 0 6 2 1 3 Sub Total	
	Total	1394.3

Remarks:
 25 SKS @ 1900'
 100 SKS @ 900'
 40 SKS @ 300'
 10 SKS RT 40'
 15 SKS IN RAT HOLE

[Signature]

APR 2 1992

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5857, 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 31

Russell, Kansas 67665

2189

Date	4-7-92	Sec.	33	Fwp.	5 ^s	Range	22 ^w	Called Out	6:00 P.M.	On Location	8:30 P.M.	Job Start	9:30 P.M.	Finish	10 P.M.	
Lease	Minks	Well No.	1	Location				Hill City 14N 2E 3/4 N 3/4 E	County	Norton	State	Ks.				
Contractor	Munkin D. Co.	Rig # 8				Owner Same										
Type Job	Set Surface Pipe															
Hole Size	12 1/4"	T.D.	261'													
Csg.	8 3/8"	Depth	260'													
Tbg. Size		Depth														
Drill Pipe		Depth														
Tool		Depth														
Cement Left in Csg.	15'	Shoe Joint														
Press Max.		Minimum	-													
Meas Line	X	Displace	X													
Perf.																

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. *Phyl Deltt*
 X
CEMENT

Amount Ordered *170 sks 60/40 poz 2legel, 3% C.C.*

Consisting of
 Common *102 sks @ 5.25/sk* *\$535.50*
 Poz. Mix *68 sks @ 2.25/sk* *153.00*
 Gel. *3 sks* *N/C*
 Chloride *5 sks @ 21.00/sk* *105.00*
 Quickset

Handling *0.700/sk (170 sks)* *170.00*
 Mileage *0.047/sk/mi (52 mi.)* *353.00*
 Sub Total *\$1317.10*

Floating Equipment *Thanks*
RELEASED
 APR 1 1996

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Pumptrk	No.	Cementer	<i>Gary H. Marlyn K.</i>
	<i>191</i>	Helper	
Pumptrk	No.	Cementer	
		Helper	
Bulktrk	<i>#212</i>	Driver	<i>Joe S.</i>
Bulktrk		Driver	

DEPTH of Job

Reference:	<i>#1 Pumptruck-surface</i>	<i>\$380.00</i>
	<i>#13 mileage @ 2.00/mi.</i>	<i>104.00</i>
	<i>1-8 3/8" rubber plug</i>	<i>73.00</i>
	Sub Total	<i>\$557.00</i>
	Tax	

Remarks: *Cement Circulated.*

Copy TUSA 4-13-92 SRS

RECEIVED
 KANSAS CORPORATION COMMISSION
 MAY 5 1992
 CONSERVATION DIVISION
 WICHITA, KS

FROM CONFIDENTIAL
 APR 13 1992
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