

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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KCC WICHITA

ORIGINAL

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Operator: License # 4767
Name: Ritchie Exploration, Inc.
Address: P.O. Box 783188
City/State/Zip: Wichita, KS 67278-3188
Purchaser: NCRA
Operator Contact Person: John Niernberger
Phone: (316) 691-9500
Contractor: Name: _____
License: _____
Wellsite Geologist: _____

Designate Type of Completion:
____ New Well ____ Re-Entry Workover
 Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: Ritchie Exploration, Inc.

Well Name: Allen Worchester B #1
Original Comp. Date: 7/27/88 Original Total Depth: 3860
____ Deepening ____ Re-perf. ____ Conv. to Enhr./SWD
____ Plug Back ____ Plug Back Total Depth
 Commingled Docket No. _____
____ Dual Completion Docket No. _____
____ Other (SWD or Enhr.?) Docket No. _____

<u>12/22/03</u>	<u>12/30/03</u>
Spud Date or Recompletion Date	Date Reached TD Completion Date or Recompletion Date

API No. 15 - 065-22451-00-01
County: Graham
NW NE NE Sec. 24 Twp. 6S S. R. 22 East West
4950 feet from (S) N (circle one) Line of Section
990 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Allen Worchester B Well #: 1
Field Name: GOB Southeast
Producing Formation: Toronto/L/KC
Elevation: Ground: 2297' Kelly Bushing: 2302'
Total Depth: 3860' Plug Back Total Depth: 3605'
Amount of Surface Pipe Set and Cemented at 258 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1954' Feet
If Alternate II completion, cement circulated from 1954'
feet depth to surface w/ 500 sx cmt.

ACT IWKm 2-6-07
Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Production Manager Date: 4/1/2004
Subscribed and sworn to before me this 15th day of April,
20 04
Notary Public: [Signature]
Date Commission Expires: 5/4/2007

DEBRA K. PHILLIPS
Notary Public - State of Kansas
My Appt. Expires 5/4/07

KCC Office Use ONLY
Yes Letter of Confidentiality Attached
If Denied, Yes Date: _____
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

✓

X

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Side Two

ORIGINAL

Operator Name: Ritchie Exploration, Inc. Lease Name: Allen Worcester B Well #: 1
Sec. 24 Twp. 6S S. R. 22 East West County: Graham

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No

[X] Log Formation (Top), Depth and Datum [] Sample
Name Top Datum

SEE ATTACHED

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List All E. Logs Run:
Radiation Guard Log

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Table with 8 columns: 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. Rows include Surface and Production data.

Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes Plug Back TD entry.

Table with 4 columns: Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/Type, Acid, Fracture, Shot, Cement Squeeze Record, Depth. Includes perforation details.

Table with 4 columns: TUBING RECORD, Date of First, Resumerd Production, SWD or Enhr., Producing Method, Estimated Production Per 24 Hours. Includes tubing size and production data.

Disposition of Gas METHOD OF COMPLETION Production Interval
[X] Vented [] Sold [] Used on Lease [] Open Hole [X] Perf. [] Dually Comp. [] Commingled
(If vented, Submit ACO-18.) [] Other (Specify)



RITCHIE

EXPLORATION, INC.
Wichita, Kansas

CONFIDENTIAL

Allen Worcester B #1

NW NE NE
Sec 24-6S-22W
Graham County, KS.
API# 15-065-22,451
Elevation - 2297' GL, 2302' KB

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Log Tops

Anhydrite	1957'	+345
B/Anhydrite	1991'	+311
Topeka	3304'	-1002
Heebner	3507'	-1205
Toronto	3534'	-1232
Lansing	3552'	-1250
B/KC	3742'	-1440
Cong. Sand	3793'	-1491
Arbuckle	3842'	-1540
LTD	3858'	-1556

DST #1 @ 3440' - 3490' (Oread) rec'd 1320' MSW, trace oil, 913# - 903#.

DST #2 @ 3503' - 3565' (Toronto - LKC-Top) rec'd 505' GIP, 2940' FO, 120' OCM, 1229# - 1229#.

DST #3 @ 3568' - 3607' (LKC-35' - 50') rec'd 130' SOWCM, 30' WM, 1066# - 1066#.

DST #4 @ 3604' - 3623' (LKC-70' - 90') rec'd 40' OCM, 1200# - 1133#.

DST #5 @ 3652' - 3718' (LKC-140' - 180') rec'd 45' OCM, 576# - 451#.

DST #6 @ 3711' - 3747' (LKC-200' - 220') rec'd 60' FO, 120' OCWM, 600' SW, 1162# - 1133#.

CONFIDENTIAL

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

ORIGINAL

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

ALLIED CEMENTING CO., INC.

No 4504

Home Office P. O. Box 31

Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
6-24-89	24	6	22	12:45 PM	3:00 PM	4:45 PM	5:15 PM
Lease Worcester	Well No. "B" #1	Location Bogie 10N 2W 30 4W		County	State		
Contractor <i>Murphy Drilling R 19-8</i>				Owner <i>SAMP</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>	T.D. <i>259'</i>			Charge To <i>Ritchie Exploration Inc.</i>			
Csg. <i>8 3/4"</i>	Depth <i>259'</i>			Street			
Tbg. Size	Depth			City			
Drill Pipe	Depth			State			
Tool	Depth			The above was done to satisfaction and supervision of owner agent or contractor			
Cement Left in Csg. <i>15'</i>	Shoe Joint			Purchase Order No.			
Press Max.	Minimum			X <i>See attached</i>			
Meas Line	Displace <input checked="" type="checkbox"/>			CEMENT			
Perf.							

EQUIPMENT

#61	No.	Cementer	<i>M Kaufman</i>
Pumptrk		Helper	
	No.	Cementer	<i>Dave Funk</i>
Pumptrk		Helper	
#22		Driver	<i>Joel C.</i>
Bulktrk		Driver	

Amount Ordered	<i>175 SKS 60/40 Poz. 3 Bul 2 3/4 gal</i>
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

DEPTH of Job		
Reference:	<i>PUMP TRK</i>	
<i>#</i>	<i>1-8 3/4" PLUG</i>	
		Sub Total
		Tax
		Total

Handling		Sales Tax
Mileage	RECEIVED	
	JUN 23 2004	Sub Total
	KCC WICHITA	Total

Remarks: *Cement Circulated*

Floating Equipment

[Signature]

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

Phone Hutchinson 913-484-2812
 Phone Ness City 913-798-3843

CONFIDENTIAL *New* **ORIGINAL**

ALLIED CEMENTING CO., INC. N^o 4434

Home Office P. O. Box 31

Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
7-2-88	24	6 ^s	22 ^w	2:30 A.M.	5:00 A.M.	9:10 A.M.	10 A.M.
Lease <i>Allen Worcester "B" Well No. 1</i>		Location <i>18⁷ 24 JCT 9N2W 1/2 NW</i>			County	State	
Contractor <i>Munfin Drilling Co.</i>		Rig # <i>8</i>		Owner <i>Same</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.	
Type Job <i>Two-Stage Production String</i>				Charge To <i>Ritchie Exploration, Inc.</i>			
Hole Size <i>7 7/8"</i>		T.D. <i>3860'</i>		Street <i>125 N. Market, Suite 1000</i>			
Csg. <i>4 1/2"</i>		Depth <i>3841'</i>		City <i>Wichita</i> State <i>Ks. 67202</i>			
Csg. Size <i>8 7/8"</i>		Depth <i>259'</i>		The above was done to satisfaction and supervision of owner agent or contractor			
Drill Pipe		Depth		Purchase Order No.			
Tool		Depth		X <i>Tom Port</i>			
Cement Left in Csg. <i>14'</i>		Shoe Joint <i>14'</i>		CEMENT			
Press Max. <i>1100#</i>		Minimum		Amount Ordered <i>135 sks 60/40 9oz 10lb salt</i>			
Meas Line <i>X</i>		Displace		Consisting of <i>with a 10 sk. salt flush</i>			
Perf.				Common <i>81 sks @ 5.00/sk. 405.00</i>			

EQUIPMENT

No.	Cementer	
Pumptrk <i>191</i>	Helper	<i>Gary H. Jim S.</i>
No.	Cementer	
Pumptrk	Helper	
Bulktrk <i>#60</i>	Driver	<i>Randy P.</i>
Bulktrk	Driver	

Common	<i>81 sks @ 5.00/sk.</i>	<i>405.00</i>
Poz. Mix	<i>54 sks @ 2.25/sk.</i>	<i>121.50</i>
Gel.		
Chloride		
Quickset		
Salt	<i>23 sks @ 4.75/sk.</i>	<i>109.25</i>
Sales Tax		
Handling	<i>290 @ 4/sk. (135 sks)</i>	<i>121.50</i>
Mileage	<i>203 @ 1/sk./mi. (39 mi.)</i>	<i>157.95</i>
Sub Total		<i>915.20</i>
Total		

DEPTH of Job		
Reference #	Description	Amount
<i>#3</i>	<i>Pumptruck-bottom stage</i>	<i>838.00</i>
<i>#13</i>	<i>Rotating Head</i>	<i>60.00</i>
<i>#14</i>	<i>mileage @ 1.00/mi.</i>	<i>39.00</i>
Sub Total		<i>937.00</i>
Tax		
Total		

Remarks: *Float Held*

Floating Equipment	<i>4 1/2"</i>	
1-regular guide shoe		<i>104.00</i>
1-AFU insert (Model "C")		<i>161.00</i>
1-cementing basket		<i>108.00</i>
6-centralizers @ 41.00 ea		<i>246.00</i>
1-two-stage collar		<i>2267.00</i>
Total		<i>2886.00</i>

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

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

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

ORIGINAL
 No 4435

Home Office P. O. Box 31

Russell, Kansas 67665

Date	7-2-88	Sec.	24	Twp.	6 ^s	Range	22 ^w	Called Out	2:30 A.M.	On Location	5:00 A.M.	Job Start	10:30 A.M.	Finish	11:30 A.M.	
Lease	Allen Worcester "B" Well No. 1			Location				18 ² 24 JCT 9N2W 1/2NW		County		Graham		State		Ks.
Contractor	Munfin Drilling Co.			Rig #		8										
Type Job	Two-stage Production String															
Hole Size	7 7/8"			T.D.		3860'										
Csg.	4 1/2"			Depth		3841'										
Csg. Size	8 7/8"			Depth		259'										
Drill Pipe				Depth												
Tool	D.V.			Depth		1954'										
Cement Left in Csg.	14'			Shoe Joint		14'										
Press Max.	1500 #			Minimum												
Meas Line	X			Displace												
Perf.																

EQUIPMENT

No.	Cementer	
Pumptrk 191	Helper	Gary H. Jim S.
No.	Cementer	
Pumptrk	Helper	
	Driver	Mike S.
Bulktrk #150	Driver	

DEPTH of Job

Reference	#3 Pumptruck-top stage	\$450.00
Sub Total		\$450.00
Tax		
Total		

Remarks: D.V. tool opened & closed O.K. and held.
 Plugged rat hole w/15 sks.
 Cement Circulated on top stage.

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 *Tom Port*

CEMENT

Amount Ordered	500 sks @ 50/sk per 620 gal.
Consisting of	
Common	250 sks @ 5.00/sk. \$1250.00
Poz. Mix	250 sks @ 2.25/sk. 562.50
Gel.	30 sks @ 6.75/sk. 202.50
Chloride	
Quickset	
Sales Tax	
Handling	290¢/sk. (500 sks) 450.00
Mileage	203¢/sk./mi. (39 mi.) 585.00
Sub Total	\$3050.00
Total	

Floating Equipment

Thanks

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