

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

ORIGINAL

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: KCC WICHITA

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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: Ritchie, A. Scott
Well Name: STITES, G #1
Original Comp. Date: 2-24-84 Original Total Depth: 3973
____ 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>11/3/04</u>	<u>11/5/04</u>	<u>3/1/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-21382-00-01
County: Trego
NW NW SE Sec. 05 Twp. 11 S. R. 22 East West
2340 2230 feet from (S) N (circle one) Line of Section
1980 1996 feet from (E) W (circle one) Line of Section
KCC GPS KGR
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Stites, G. Well #: 1
Field Name: McCall Northeast
Producing Formation: Lansing
Elevation: Ground: 2251' Kelly Bushing: 2256'
Total Depth: 3970' Plug Back Total Depth: 3914'
Amount of Surface Pipe Set and Cemented at 198' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1728' Feet
If Alternate II completion, cement circulated from 1728'
feet depth to surface w/ 450 sx cmt.

Drilling Fluid Management Plan P&A KGR 3/5/08
(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: _____
Title: Production Manager Date: 03/23/05

Subscribed and sworn to before me this 23 day of March
05

Notary Public: Jennifer L. Foss
Date Commission Expires: 10/14/07

JENNIFER L. FOSS
Notary Public - State of Kansas
My Appt. Expires 10/14/07

KCC Office Use ONLY

Yes Letter of Confidentiality Received
If Denied, Yes Date: 3-24-2005
____ Wireline Log Received
____ Geologist Report Received
____ UIC Distribution

Operator Name: Ritchie Exploration, Inc. Lease Name: Stites, G. Well #: 1
 Sec. 05 Twp. 11 S. R. 22 East West County: Trego

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: R.A. Guard Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum (See Attached Document)
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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"	23#	198'	Common	135	3% CC, 2% gel
Production	7 7/8"	4 1/2"	10.5#	3970'	60/40 Pozmix	175	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
2,2	3723'-3726', 3730'-3734' (LKC-200', 220') 1/84	1000 gals 28% acid	
2	3602'-3604.5' (LKC-70') 1/84	400 gals 28% acid	
4	3693'-3695' (LKC-160') 11/04	1750 gals 15% NE & 25 perf balls	
4	3402'-3404'&3396'-3398' (Topeka) 11/04	750 gals 15% NE & 15 perf balls	
	Topeka shut off with packer @ 3568' (3/1/05)		

TUBING RECORD		Size Set At	Packer At	Liner Run
2 3/8"		3906'	3568'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 3/1/05		Producing Method <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
	1.39		36.26	

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify) _____

Electric Log Tops

Anhydrite	1725' (+ 531)
B/Anhydrite	1770' (+ 486)
Topeka	3270' (-1014)
Heebner	3490' (-1234)
Toronto	3513' (-1257)
Lansing	3528' (-1272)
B/KC	3760' (-1504)
Marmaton	3841' (-1585)
LTD	3973' (-1717)

DST #1 from 3391' to 3450' (Middle Topeka).
 Recovered 1188' of oil spotted mud (35' oil,
 117' mud, & 1036' water).
 IFP:164-461#/30"; ISIP:1228#/45";
 FFP:504-623#/30"; FSIP:1218#/45".

DST #2 from 3450' to 3496' (Lower Topeka).
 Recovered 80' of muddy water, no show of oil.
 IFP:67-77#/30"; ISIP:1228#/30";
 FFP:88-99#/30"; FSIP:1164#/30".

DST #3 from 3551' to 3592' (35' & 50' zones). Recovered 180' of oil
 spotted muddy water.
 IFP:77-99#/30"; ISIP:894#/45";
 FFP:99-143#/60"; FSIP:840#/45".

DST #4 from 3588' to 3608' (70' zone). Recovered 300' of gas in pipe,
 60' of oil cut watery mud, 180' of muddy oil.
 IFP:55-77#/30"; ISIP:732#/30";
 FFP:110-132#/30"; FSIP:710#/30".

DST #5 from 3714' to 3764' (200' & 220' zones). Recovered 80' of heavily
 mud cut oil.
 IFP:77-77#/30"; ISIP:1164#/45";
 FFP:77-88#/30"; FSIP:1131#/45".

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

Phone Plainville 913-434-2812
 Phone Kiowa 316-825-4618

New

ALLIED CEMENTING CO., INC. N^o 37774

Home Office P. O. Box 31

Russell, Kansas 67665

Date	12-10-83	Sec. 5	Twp. 11	Range 22	Called Out	On Location	Job Start	Finish
Lease	5-hites	Well No.	1-8	Location	Ogallah N to Co line	County	Trego	State
Contractor	Martin			Owner	JEWES			
Type Job	Production String (2 stage)							
Hole Size	7 1/8	T.D.	3970					
Csg. Size	4 1/2	Depth	3969					
Tbg. Size		Depth						
Drill Pipe		Depth						
Tool	Arrow	Depth	1728					
Cement Left in Csg.		Shoe Joint						
Press Max.		Minimum						
Meas Line		Displace						
Perf.								

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 *A. Scott Richie*
 Street *125 N Market Suite 950*
 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 *425 ¹⁰/₃₀ bag 6 1/2 gal.*

Consisting of

Common	<i>213 sk @ 5.00 Per sk</i>	<i>1065.00</i>
Poz. Mix	<i>212 @ 2.10</i>	<i>445.20</i>
Gel.	<i>25 @ 7.25</i>	<i>181.25</i>
Chloride		
Quickset		

EQUIPMENT

Pumptrk	No	Cementer	<i>Dave</i>
	<i>153</i>	Helper	
Pumptrk	No	Cementer	
		Helper	
Bulktrk	<i>95</i>	Driver	<i>Ron</i>
	<i>155</i>		
Bulktrk		Driver	

DEPTH of Job

Reference:	<i>Pump trk chg</i>	<i>600.00</i>
	Sub Total	
	Tax	
	Total	<i>600.00</i>

Handling	<i>90 @ Per sk</i>	<i>225.00</i>
Mileage	<i>606 @ Per ton mile</i>	<i>494.10</i>
	<i>39 miles</i>	
	Sub Total	
	Total	<i>2410.58</i>

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DEC 14 1983

Remarks:

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

New

Phone Plainville 913-434-2812
 Phone Kiowa 316-825-4618

ALLIED CEMENTING CO., INC. N^o 37773

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

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
12-10-83	5	11	22			5:20 AM	5:50 AM
Lease <u>Stites</u>	Well No. <u>1-3</u>	Location <u>Ogallah N to Co line</u>		County <u>Trego</u>	State <u>Ks</u>		
Contractor <u>Murphy</u>				Owner <u>JEWES</u>			
Type Job <u>Production String (2 Stage)</u>				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 <u>7 7/8</u>	T.D. <u>3970</u>	Charge To <u>A. Scott Richie</u>		Street <u>125 N Market Suite 950</u>			
Csg. Size <u>4 1/2</u>	Depth	City <u>Wichita</u>		State <u>Ks 67202</u>			
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.					
Drill Pipe	Depth	Purchase Order No.		X <u>Tom Barb</u>			
Tool <u>Arrow</u>	Depth <u>1728</u>	CEMENT <u>10 salt flush</u>		Amount Ordered <u>175⁰⁰ pay 10% salt</u>			
Cement Left in Csg.	Shoe Joint <u>42</u>	Consisting of					
Press Max.	Minimum	Common <u>105 sk @ 5⁰⁰ Rev sk 525⁰⁰</u>		Poz. Mix <u>90 @ 2¹⁰ 147⁰⁰</u>			
Meas Line <input checked="" type="checkbox"/>	Displace	Gel.		Chloride			
Perf.		Quickset		Salt. <u>27 @ 4²⁵ 128²⁵</u>			

EQUIPMENT

No	Cementor	Helper
<u>153</u>	<u>Dave</u>	<u>Stew</u>
No	Cementor	Helper
<u>155</u>	<u>Row</u>	<u>Darvell</u>
No	Driver	
<u>95</u>		
No	Driver	

DEPTH of Job		
Reference:	<u>Pump 11k chg</u>	<u>838⁰⁰</u>
	<u>1⁰⁰ per mile</u>	<u>39⁰⁰</u>
	Sub Total	
	Tax	
	Total	<u>877⁰⁰</u>

Remarks: Float held

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Sales Tax		
Handling	<u>90¢ per sk</u>	<u>181⁸⁰</u>
Mileage	<u>60¢ per ton mile</u>	<u>229³²</u>
	Sub Total	
	Total	<u>1211³²</u>
Floating Equipment <u>4 1/2</u>		
1- Guide Shoe	-	<u>83⁰⁰</u>
1- AFU Inset	-	<u>140⁰⁰</u>
6- Cent.	-	<u>246⁰⁰</u>
1- Basket	-	<u>110⁰⁰</u>
1- DV Tool	-	<u>2,267⁰⁰</u>
	total	<u>2846⁰⁰</u>

DEC 14 1983