

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

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, A SCOTT
Well Name: STAAB A 3
Original Comp. Date: 11/28/66 Original Total Depth: 3603
 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. _____
08-04-2005 08-08-2005 08-08-2005
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

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051-30393-00-01
API No. 15 - ~~495-21,342-00-01~~
County: Ellis
C W/2 E/2 NE/4 Sec. 17 Twp. 13 S. R. 17 East West
990 feet from S / N (circle one) Line of Section
1170 feet from E W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Staab A Well #: 3
Field Name: Polifka Southeast
Producing Formation: LKC/Arbuckle
Elevation: Ground: 2014' Kelly Bushing: 2019'
Total Depth: 3597' Plug Back Total Depth: 3596'
Amount of Surface Pipe Set and Cemented at 201 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1287 Feet
If Alternate II completion, cement circulated from 1287
feet depth to surface w/ 350 sx cmt.
ACT II WHR 6-22-06
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: _____
Title: Production Manager Date: 09-23-2005

Subscribed and sworn to before me this 10 day of October,
20 05.

Notary Public: Jennifer L. Lukoschat
Date Commission Expires: 10-14-07
My Appt. Expires 10-14-07

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Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Ritchie Exploration, Inc. Lease Name: Staab A Well #: 3
 Sec. 17 Twp. 13 S. R. 17 East West County: Ellis

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: RA Guard	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum (See attached)
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CASING RECORD <input checked="" 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	12.25"	8.625"	24#	201'	Portland	135	
Production	7.875"	5.50"	15.5#	3602'	60/40 Pozmix	125	

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
4	3591' - 3595' (Arbuckle) (in 1966)		
4	3338.5' - 3341.5' (LKC) (8/2005)	3500 gals. 15% NE Acid (all LKC perms - 8/2005)	
4	3366.5' - 3371.5' (LKC) (8/2005)		
4	3384.5' - 3389' and 3393.5' - 3399' (LKC) (8/2005)		
4	3411' - 3415' and 3430.5' - 3436.5' (LKC) (8/2005)		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	3588'			
Date of First, Resumerd Production, SWD or Enhr. 08-09-2005			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	
	43		105			

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.
Wichita, Kansas

Staab A #3
C W/2 E/2 NE
Sec 17-13S-17W
Ellis County, KS

GEOLOGICAL TOPS

	<u>Log Tops</u>	
Anhydrite	1264'	+755
Base Anhydrite	1302'	+717
Topeka Lime	3050'	-1031
Heebner Shale	3292'	-1273
Toronto Lime	3313'	-1294
Lansing Lime	3338'	-1219
Base Kansas City	3572'	-1553
Conglomerate	3581'	-1562
Arbuckle	3588'	-1569
Log Total Depth	3597'	-1578
2 nd Log Total Depth	3603'	-1584

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DST #1 from 3321' to 3402'. Recovered 300' of gas in pipe, 60' oil cut mud, 600' heavy oil and gas cut mud, 420' clean gassy 33° oil, 300' muddy oil (1388' total fluid).

IFP: 161-488#/30" IBHP: 879#/30"
FFP: 501-578#/30" FBHP: 875#/30"
BHT: 103°

DST #2 from 3400' to 3428'. Recovered 1080' of gas in pipe, 290' clean 31° oil, 470' muddy gassy oil, 10' watery mud (770' total fluid).

IFP: 68-196#/30" IBHP: 884#/30"
FFP: 221-321#/30" FBHP: 876#/30"
BHT: 104°

DST #3 from 3430' to 3449'. Recovered 2160' gas in pipe, 570' clean 29° oil, 450' muddy gassy oil, 120' heavy oil and gas cut mud (1140' total fluid).

IFP: 82-247#/30" IBHP: 979#/30"
FFP: 272-386#/30" FBHP: 969#/30"
BHT: 104°

DST #4 from 3475' to 3512'. Recovered 50' slightly oil cut mud (50' total fluid).

IFP: 39-46#/30" IBHP: 760#/30"
FFP: 51-56#/30" FBHP: 468#/30"
BHT: 105°

DST #5 from 3510' to 3577'. Recovered 30' slight oil cut mud (30' total fluid).

IFP: 71-77#/30" IBHP: 124#/30"
FFP: 77-80#/30" FBHP: 114#/30"

DST #6 from 3570' to 3597'. Recovered 180' gas in pipe, 1600' 27° oil and muddy oil, 50' heavy oil cut mud (1650' total fluid).

IFP: 136-553#/30" IBHP: 927#/30"
FFP: 561-704#/30" FBHP: 918#/30"
BHT: 104°



GL BE OILWELL CEMENTING, INC.

No 9718

P. O. BOX 628

GREAT BEND, KANSAS 67530

CEMENTING TICKET

Date 10-28-66 Place _____

Charge to R. Scott Ritchie Order No. _____

Mail Address _____ City Wichita State Ks.

Owner of Well same Contractor Haller Drilling Co.

Well No. A-3 Farm STAB County Ellis Sec. 17 Tp. 19 Rge. 17

Depth of Well 3603' Depth of Cg. Cmtd. 3602 { ~~NEW~~ } Size 3 1/2 Size of Hole 7 1/8
Used } Weight 15# Amount of Cement 125
Kind of Cement 60-40-100

Kind of Job 3 1/2 prod { Rotary } Truck No. 725
Cable }

Pres. Circulating 250# Pres. Maximum 1000 Cement left in Pipe by _____
Necessity 30.95 Feet

Condition of Well at time of Cementing Good Chemical Used _____

Time required mixing Cement _____ Min. Making Change _____ Min. Pumping Cement _____ Min.

Price of Job \$365.00 Other Charges _____ Truck called out 6:00 ~~AM~~ On Loca- 7:00 ~~AM~~ Job Com- 2:45 ~~AM~~ P. M. pleted 2:45 ~~AM~~ P. M.

Remarks: _____

Cement Collins Material left on Well _____

Helper Brack District 70 State Ks.

Bulk Driver Malone

MATERIAL USED

TRUCK NO.	TOTAL SAX	WEIGHT	CEMENT RETURNED	BRAND OF CEMENT	REMARKS
<u>B-6</u>	<u>125</u>	<u>10,500</u>	WEIGHT SAX	<u>60-40-100</u>	RECEIVED NOV 07 2005 KCC WICHITA
		TOTAL WEIGHT			

MILES FROM PLANT TO WELL	MILEAGE CHARGE	TON MILES @	CAL. CHLORIDE USED	AQUAGEL USED	OTHER ADDITIVES
<u>21</u>	<u>14</u>				

The above job was done under the supervision of the owner, operator, or his agent whose signature appears here below:

CONTRACT

Unless otherwise specified in writing, the following terms apply: Five percent (5%) cash discount will be allowed on cementing service and (2%) on materials used if same is paid in full on or before the twentieth day of the month following the date of invoice. If not paid within sixty days from date of invoice, interest shall be payable at the rate of six percent (6%) per annum from due date. The foregoing shall apply to all material or services, provided, however, that temperature surveys, sales tax and mileage or transportation charges included within the invoice are NET cash.

[Signature]
Agent of Contractor or Operator





OILWELL CEMENTING, INC.

No 9716

P. O. BOX 628

GREAT BEND, KANSAS 67530

CEMENTING TICKET

Date 10-20-66 Place _____

Charge to F. Scott Ritchie Order No. _____

Mail Address _____ City Wichita State KS.

Owner of Well Same Contractor Heller Drilling Co.

Well No. A-3 Farm Starb County Ellis Sec. 17 Tp. 13 Rge. 17

Depth of Well _____ Depth of Cag. Cmd. 1287 { ~~Used~~ } Size 5 1/2 Size of Hole 7 7/8
Amount of Cement _____ Weight 15 # Kind of Cement 50-50

Kind of Job Stage Collar { Rotary } Truck No. P-5

Pres. Circulating 230 Pres. Maximum 1000 # Cement left in Pipe by _____ Request Necessity _____ Feet

Condition of Well at time of Cementing Good Chemical Used _____

Time required mixing Cement _____ Min. Making Change _____ Min. Pumping Cement _____ Min.

Price of Job \$170.00 Other Charges _____ Truck called out _____ A. M. On Loca- P. M. tion _____ A. M. Job Com- P. M. pleted 3.30 A. M. _____

Remarks: _____

Cementer Collins Material left on Well _____
Helper Brady District PV State KS.
Bulk Driver Malone

MATERIAL USED

TRUCK NO.	TOTAL SAX	WEIGHT	CEMENT RETURNED	BRAND OF CEMENT	REMARKS
<u>B-1</u>	<u>2.00</u>	<u>16,800</u>	WEIGHT SAX	<u>50-50</u>	
<u>B-6</u>	<u>1.50</u>	<u>13,000</u>		<u>50-50</u>	
		TOTAL WEIGHT			
MILES FROM PLANT to WELL	MILEAGE CHARGE	TON MILES @	CAL. CHLORIDE USED	AQUAGEL USED	OTHER ADDITIVES
<u>21</u>	<u>14</u>			<u>1100 # Gel</u>	

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[Signature]
Agent of Contractor or Operator