

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

**CONFIDENTIAL**

Operator: License # 4767  
Name: Ritchie Exploration, Inc.  
Address: P.O. Box 783188  
City/State/Zip: Wichita, KS 67278-3188  
Purchaser: Eott  
Operator Contact Person: Karen Hopper  
Phone: (316) 691-9500  
Contractor: Name: \_\_\_\_\_  
License: \_\_\_\_\_  
Wellsite Geologist: Peter J. Fiorini

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 Exploration, Inc.  
Well Name: Anita Davis #1

Original Comp. Date: 6/88 Original Total Depth: 3764'  
\_\_\_\_ 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. \_\_\_\_\_

5-30-00 7-14-00  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 065-22,464-0002  
County: Graham  
30' W NE NW NW Sec. 7 Twp. 7 S. R. 21  East  West  
\_\_\_\_ feet from S /  (circle one) Line of Section  
960 feet from E /  (circle one) Line of Section

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

Lease Name: Anita Davis Well #: 1

Field Name: Anita

Producing Formation: LKC/Toronto

Elevation Ground: 2210 Kelly Bushing: 2215

Total Depth: 3764 Plug Back Total Depth: 3738

Amount of Surface Pipe Set and Cemented at 217 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1824 Feet

If Alternate II completion, cement circulated from 1824

feet depth to surface w/ 445 sx cmt.

Drilling Fluid Management Plan D4A, 9-15-00 UC  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used KCC

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_

Quarter RELEASED Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: NOV 12 2002 Docket No.: \_\_\_\_\_

CONSERVATION DIVISION  
Wichita, Kansas  
JUL 24 2000

**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: 07-21-2000  
Subscribed and sworn to before me this 21<sup>st</sup> day of July,  
2000  
Notary Public: Karen Hopper  
Date Commission Expires: 10/27/03

**KAREN HOPPER**  
Notary Public - State of Kansas  
My Appt. Expires 10/27/03

**KCC Office Use ONLY**

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

X

Operator Name: Ritchie Exploration, Inc. Lease Name: Anita Davis Well #: 1  
 Sec. 7 Twp. 7 S. R. 21  East  West County: Graham

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all logs. Report all 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.

DATE RECORDED

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Log Formation (Top), Depth and Datum  Sample

Samples Sent to Geological Survey  Yes  No

Name Top Datum

Cores Taken  Yes  No

**\*\*SEE ATTACHED DRILLING REPORT COPY\*\***

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

RA Guard  
 Correlation Cement Top

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	# Sacjs Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	24"	217	60/40 poz	170	2% gel, 10% salt
Production	7 7/8"	4 1/2"	10.5"	3742'	60/40 poz	125	2% gel, 10% salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	DV @ 1824	50/50 Pozmix	445	6% gel

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	3364-3368'	(Oread A) - none - tested all water		
3	3429 1/2-32'	(Toronto) on 6/27/95			
3	3446-49'	(LKC Top zone) on 6/27/95			
3	3471-78'	(LKC 35' zone) on 6/27/95			
2	3515-18'	(LKC 90' zone) on 6/24/88	88-sqzd w/150 sx	on 6/20/95	
3	3620 1/2-23'	(LKC 200' zone) on 6/27/95			
3	3631-33'	(LKC 220' zone) on 6/27/95			
3	3731-35'	(Arbuckle) - 1250 gals	15% Acid - Tested trace of oil		
2	3600 1/2-04'	(LKC 180' zone) on 6/24/88			
TUBING RECORD		Size Set At Packer At	Liner Run		
None			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumerd Production, SWD or Enhr. n/a - to P&A		Producing Method n/a <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. 0	Gas Mcf 0	Water Bbls. 250	Gas-Oil Ratio	Gravity

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify)

6/06/88 Moved in rotary tools. Spud at 2:30 p.m. Ran 5 joints  
of 8-5/8" (210.55') of 8-5/8" surface casing set at 217' with  
170 lbs of 60/40 pozmix, 2% gel, 3% CC. Plug down at  
7:00 p.m. Cement circulated.

6/07/88 Drilled out at 1:00 a.m.  
Drilling at 1350'.

Ref. Well  
A B

SAMPLE TOPS

6/08/88 Drilling at 2800'.

Anhydrite	1831'	(+ 384)	-17	+11
B/Anhydrite	1862'	(+ 353)	-15	+11
Topeka	3199'	(- 984)	+10	+10
Heebner	3407'	(-1192)	+8	+13
Toronto	3429'	(-1214)	+9	+14
Lansing	3448'	(-1233)	+9	+13
B/KC	3636'	(-1421)	+9	+18
Congl. sand	3689'	(-1474)	+13	+18
Ero. Arbuckle	3713'	(-1498)	n/a	n/a
Clean Arbuckle	3723'	(-1508)	+6	+26
RTD	3764'	(-1549)		

6/09/88 DST #1 from 3353' to 3376' (Oread "A"). Recovered 1' of heavy oil (100% oil); 59' of slightly oil cut watery mud (3% oil, 90% mud, & 7% water); 120' of slightly oil cut muddy water (2% oil, 35% mud, 63% water); and 180' of water. 360' of total fluid.  
IFP:46-105#/30"; ISIP:1180#/45";  
FFP:128-186#/30"; FSIP:1168#/45".

1' 0.1%  
1' 1'  
1/6' 2'  
30' 5.0%  
60'  
2.9%  
1.4%  
dc  
PARTO

ELECTRIC LOG TOPS

6/10/88 DST #2 from 3400' to 3465' (Toronto & Top zones). Recovered 10' of mud, no show of oil.  
IFP:46-46#/30"; ISIP:1157#/30";  
FFP:58-58#/30"; FSIP:1100#/30".  
Drilling at 3493'.

Anhydrite	1830'	(+ 385)	-16	+12
B/Anhydrite	1861'	(+ 354)	-14	+12
Topeka	3203'	(- 988)	+6	+6
Heebner	3407'	(-1192)	+8	+13
Toronto	3429'	(-1214)	+9	+14
Lansing	3446'	(-1231)	+11	+15
B/KC	3637'	(-1422)	+8	+17
Congl. sand	3685'	(-1470)	+17	+22
Ero. Arbuckle	3716'	(-1501)	n/a	n/a
Arbuckle	3731'	(-1516)	-2	+18
LTD	3764'	(-1549)		

6/10/88 DST #3 from 3463' to 3506' (35' & 50' zones). Recovered 60' of slightly oil cut muddy water (15% oil, 33% mud, 64% water); 240' of slightly oil cut muddy water (5% oil, 55% mud, 40% water); 240' of slightly oil cut muddy water (3% oil, 30% mud, 67% water); and 480' of slightly oil cut muddy water (trace oil, 25% mud, 75% water). 1020' of total fluid.  
IFP:70-362#/30"; ISIP:1214#/30";  
FFP:373-525#/30"; FSIP:1214#/30".

DST #4 from 3503' to 3527' (70'-90' zones). Misrun - packer failure.

6/11/88 DST #5 from 3499' to 3527' (70'-90' zones). 630' gas in pipe. Recovered 660' of clean gassy oil (33% gravity); 240' watery mud cut oil (6% gas, 59% oil, 21% mud, 14% water); and 60' of slightly oil cut muddy water (2% oil, 65% mud, 33% water). 960' total fluid.  
IFP:58-245#/30"; ISIP:1203#/30";  
FFP:280-350#/30"; FSIP:1191#/30".

DST #6 from 3552' to 3612' (140'-180' zones). 420' gas in pipe. Recovered 400' of gassy muddy oil (13% gas, 53% oil, 34% mud).  
IFP:58-116#/30"; ISIP:1271#/45";  
FFP:151-186#/30"; FSIP:1260#/45".

6/12/88 DST #7 from 3609' to 3646' (200'-220' zones). Recovered 15' of mud with a few oil spots on top.  
IFP:35-35#/30"; ISIP:905#/30";  
FFP:46-46#/30"; FSIP:801#/30".

DST #8 from 3660' to 3710' (Congl. sand). Recovered 5' of mud.  
IFP:35-35#/30"; ISIP:70#/30";  
FFP:46-46#/30"; FSIP:58#/30".

6/13/88 Drilling at 3735'.

DST #9 from 3706' to 3740' (Arbuckle). Recovered 10' of mud with show of heavy oil in tool.  
IFP:35-35#/30"; ISIP:605#/30";  
FFP:46-46#/30"; FSIP:350#/30".

ORIGINAL

KCCO

RELEASED

NOV 12 2002

FROM CONFIDENTIAL

RECEIVED  
STATE CORPORATION COMMISSION

JUL 24 2000

CONSERVATION DIVISION  
Wichita Kansas