

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3188
Contact Person: Peter Fiorini
Phone: (316) 691-9500
CONTRACTOR: License # _____
Name: _____
Wellsite Geologist: _____
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: Ritchie Exploration
Well Name: Zachman A/P #2
Original Comp. Date: 8-16-82 Original Total Depth: 3750'
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

8/19/2010	8/21/2010	8/31/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-23083-0061
Spot Description: _____
_____ C SE/4 Sec. 5 Twp. 12 S. R. 19 East West
1,320 Feet from North / South Line of Section
1,320 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Zachman AP Well #: 2
Field Name: Star Southeast
Producing Formation: LKC, Arbuckle
Elevation: Ground: 2137' Kelly Bushing: 2142'
Total Depth: 3750' Plug Back Total Depth: 3720'
Amount of Surface Pipe Set and Cemented at: 180' 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.

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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 #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

AFFIDAVIT

I am the affiant and I hereby certify that 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/Development Geologist Date: 12/21/2010

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: 12/21/10 - 12/21/12
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Dlg Date: 12/29/10

Devised 12/29/10 Dlg

Operator Name: Ritchie Exploration, Inc. Lease Name: Zachman AP Well #: 2
 Sec. 5 Twp. 12 S. R. 19 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 complete copy of all Electric Wire-line 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 type="checkbox"/> Yes <input checked="" 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Sidewall Neutron Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum SEE ATTACHED
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CASING RECORD <input 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	12-1/4	8-5/8	20	180'		200	
Production	7-7/8	5.5	15.5	3745'		200	

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 <i>(Amount and Kind of Material Used)</i>	Depth
	3480-86', 3490-96', 3554-58' (LKC) (10/83)	750 gal 15% NE + 63 soluble-perf-ball-sealers (8/21/10)	
	3574-78', 3590-3600' (LKC) (8/82)	750 gal 15% NE + 62 soluble-perf-ball-sealers (8/21/10)	
4	3696'-3701' (Arbuckle) (8/19/10)	500 gals 15% INS (8/20/10)	

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>3713'</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>8/31/2010</u>		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. <u>2.51</u>	Gas Mcf <u>34</u> Water Bbls. <u>34</u> Gas-Oil Ratio <u>31.3</u> Gravity <u>31.3</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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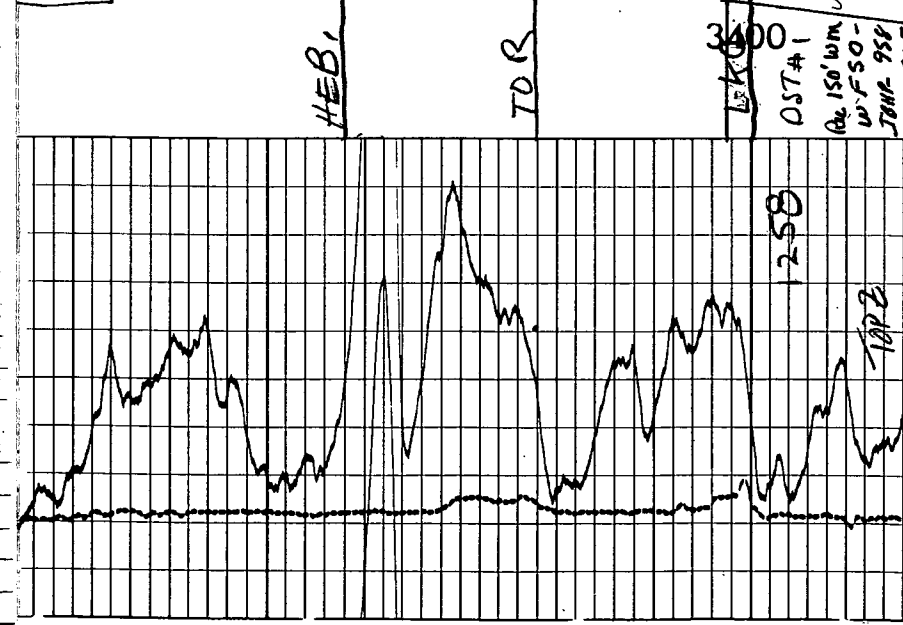
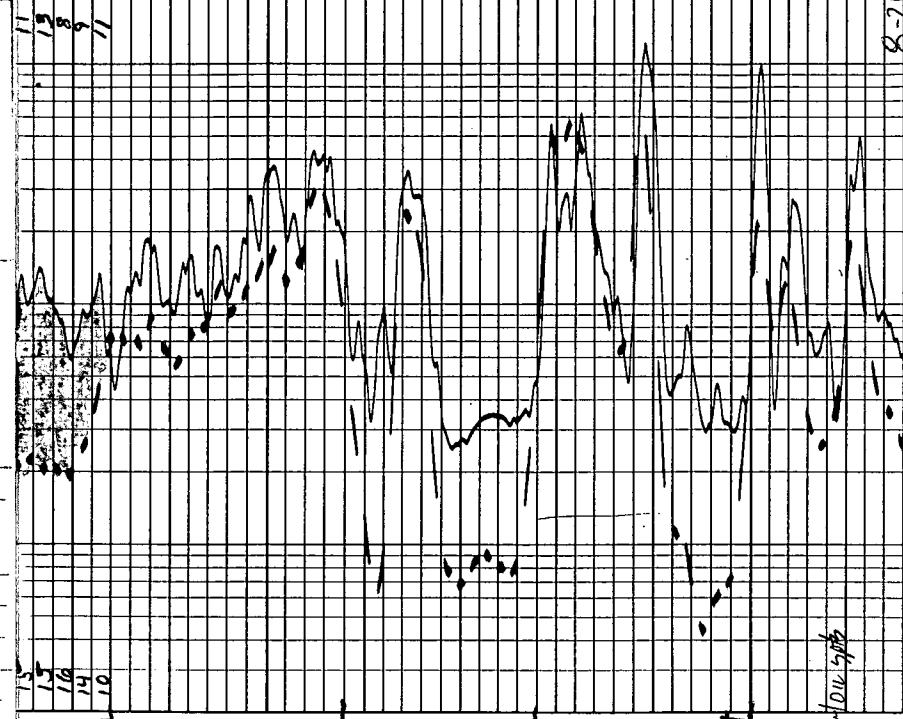
GAMMA-GUARD SIDEWALL NEUTRON LOG

COMPANY	WELL	FIELD	County	State	COMPANY <u>DON E. PRATT</u> WELL <u>ZACHMAN 2-5</u> FIELD _____ COUNTY <u>ELLIS</u> STATE <u>KANSAS</u> Location _____ Other Services: _____
Sec. <u>5</u> Twp. <u>12 S</u> Rge. <u>19 W</u>					

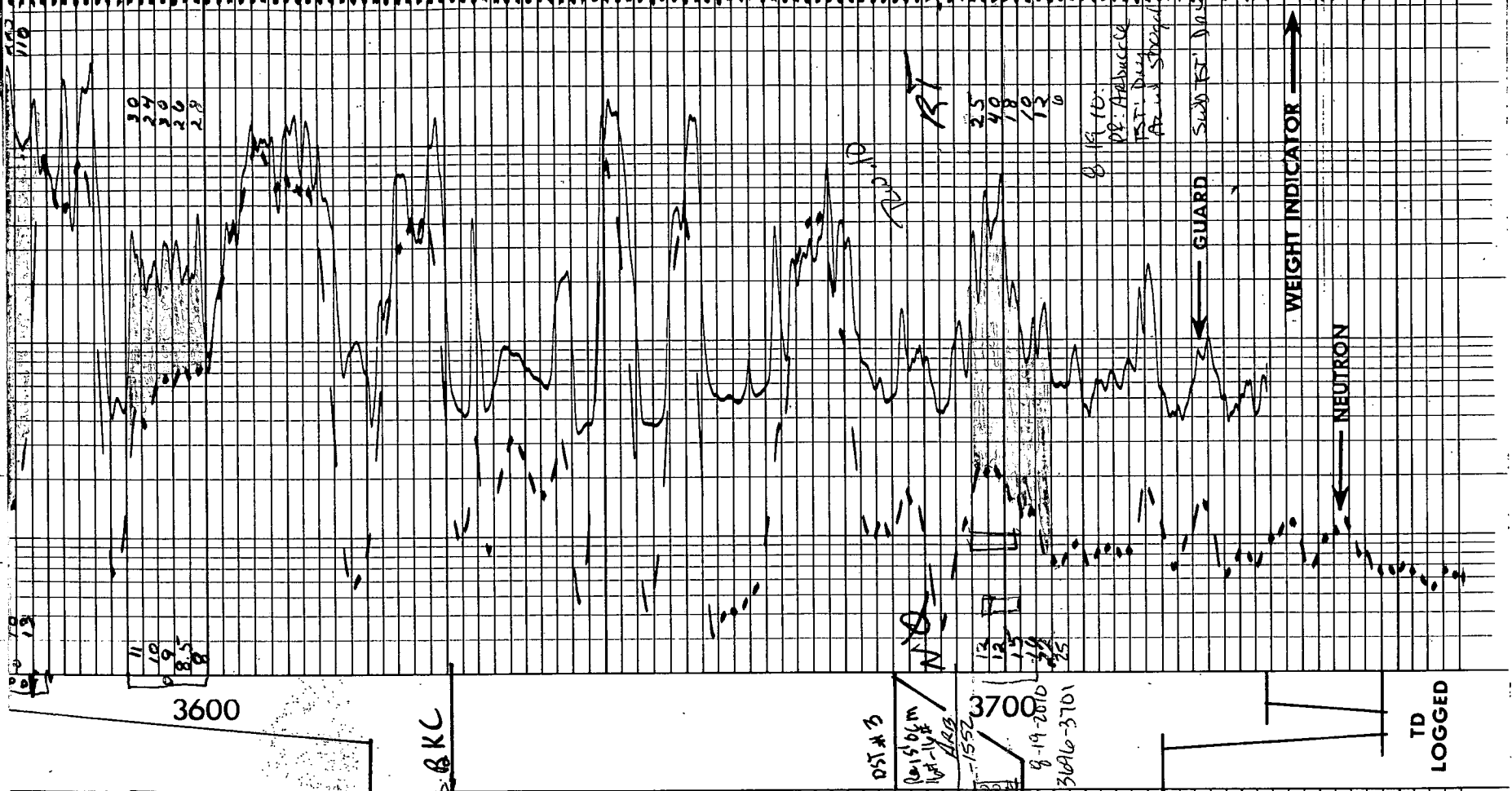
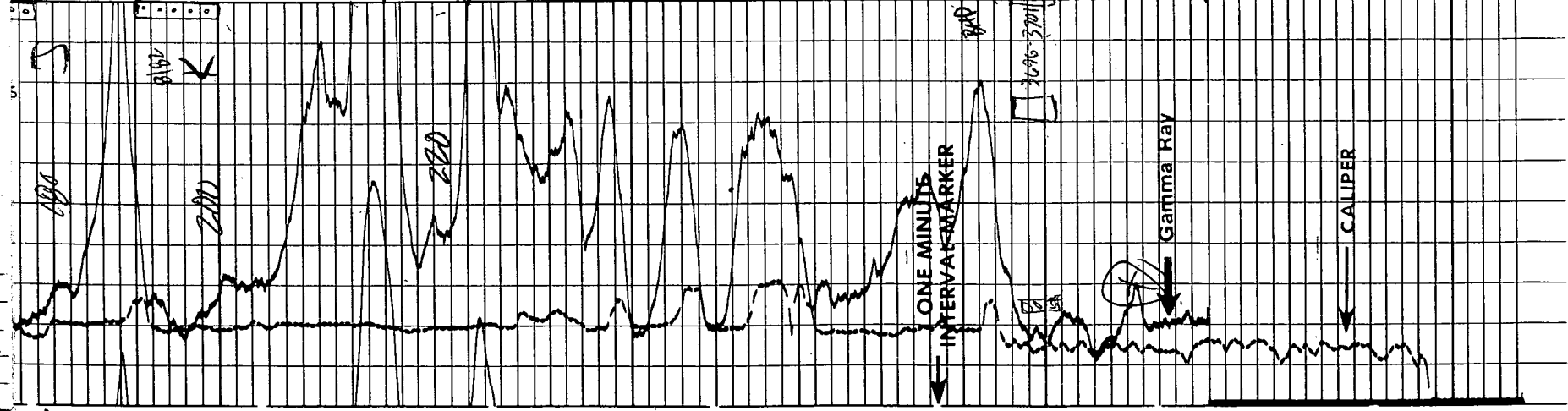
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Permanent Datum <u>GROUND LEVEL</u> Elev. <u>2137</u>	Elev.: K.B. <u>2142</u>
Log Measured From <u>KELLY BUSHING</u> Ft. Above Perm. Datum	D.F. <u>-</u>
Drilling Measured From <u>KELLY BUSHING</u>	G.L. <u>2137</u>

Date	<u>8-9-82</u>		
Run No.	<u>ONE</u>	<u>NEUTRON</u>	<u>GUARD</u>
Depth—Driller	<u>3750</u>	<u>3750</u>	<u>3750</u>
Depth—Welex	<u>3750</u>	<u>3750</u>	<u>3750</u>
Btm. Log Inter.	<u>3748</u>	<u>3735</u>	<u>3721</u>
Top Log Inter.	<u>3000</u>	<u>3000</u>	<u>3000</u>
Casing—Driller	<u>8 5/8 @ 180</u>	@	@
Casing—Welex	<u>179</u>		
Bit Size	<u>7 7/8</u>		
Type Fluid in Hole	<u>STARCH</u>		
Dens. Visc.	<u>9.6</u> <u>147</u>		
pH Fluid Loss	<u>7.6</u> <u>112</u> ml	ml	ml
Source of Sample	<u>MUL P.T.</u>		
R _m @ Meas. Temp.	<u>.9</u> @ <u>79</u> °F	@ °F	@ °F
R _{ml} @ Meas. Temp.	<u>.88</u> @ <u>79</u> °F	@ °F	@ °F
R _{mc} @ Meas. Temp.	<u>.85</u> @ <u>82</u> °F	@ °F	@ °F
Source R _{ml} R _{mc}	<u>MEAS</u> <u>MEAS</u>		
R _m @ BHT	<u>.66</u> @ °F	@ °F	@ °F
Time Since Circ.	<u>2 HRS</u>		
Max. Rec. Temp.	<u>110</u> °F @ T.D.	°F @	°F @
Equip. Location	<u>1932</u> <u>HAYS</u>		
Recorded By	<u>R. MCKNIGHT</u>		
Witnessed By	<u>MR. J. GREEN</u>		



N



8-19-10
 DE: A. Buckley
 EST: D. ...
 At and Storage ...

DST # 3
 3690-3700
 3700
 3690-3701



December 21, 2010

State Corporation Commission
Conservation Division
130 S. Market, Room 2078
Wichita, KS 67202

RE: #2 Zachman AP
Sec. 5-12S-19W
Ellis County, Kansas

To Whom It May Concern:

Enclosed please find an ACO-1 for the above referenced well. The required attachments have also been enclosed. Ritchie Exploration, Inc. would like for this to be held confidential for the maximum allowable time.

If you have any questions, please feel free to call the undersigned or Peter Fiorini at 316-691-9500. Thank you for all of your help in this matter.

Sincerely,

Karen Hopper
Production Assistant

kjh

Enclosures

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