

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5146
Name: Rains & Williamson Oil Co, Inc.
Address 1: 220 W. Douglas, Suite 110
Address 2: _____
City: Wichita State: KS Zip: 67202 + _____
Contact Person: Juanita Green
Phone: (316) 265-9686
CONTRACTOR: License # 33237
Name: Anderson Drilling
Wellsite Geologist: W. Scott Alberg
Purchaser: NCRA

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

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
_____ Deepening _____ Re-perf. _____ Conv. to Enhr. _____ Conv. to SWD _____
_____ Plug Back: _____ Plug Back Total Depth _____
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
8/4/09 8/13/09 9/4/09
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 179-21235-00-00
Spot Description: _____
N/2 NE NW _____ Sec. 36 Twp. 9 S. R. 26 East West
330 _____ Feet from North / South Line of Section
1980 _____ Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Sheridan
Lease Name: Fore Well #: 2-36
Field Name: Gra-Sher NW
Producing Formation: Lansing/Kansas City
Elevation: Ground: 2621 Kelly Bushing: 2626
Total Depth: 4150' Plug Back Total Depth: 4125'
Amount of Surface Pipe Set and Cemented at: 241 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: Stage Collar 2280 Feet
If Alternate II completion, cement circulated from: 2280
feet depth to: surface w/ 450 lite _____ sx cmt.

Drilling Fluid Management Plan AH II NR 9-29-09
(Data must be collected from the Reserve Pit)
Chloride content: _____ ppm Fluid volume: _____ bbls
Dewatering method used: Allow to dry and backfill.
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: Juanita M. Brown
Title: President Date: 9/14/09
Subscribed and sworn to before me this 14th day of September,
20 09.
Notary Public: Patricia A. Thome
Date Commission Expires: 6-18-2013

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

PATRICIA A. THOME
Notary Public - State of Kansas
My Appt. Expires 6-18-2013

Operator Name: Rains & Williamson Oil Co, Inc. Lease Name: Fore Well #: 2-36
 Sec. 36 Twp. 9 S. R. 26 East West County: Sheridan

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	2261	+365
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3617	-991
List All E. Logs Run:		Heebner Shale	3827	-1201
Microresistivity Log	<input checked="" type="checkbox"/>	Toronto Limestone	3850	-1224
Dual Compensated Porosity Log	<input type="checkbox"/>	Lansing	3868	-1242
Dual Induction Log	<input type="checkbox"/>	200' Zone	4065	-1439
Borehole Compensated Sonic Log	<input type="checkbox"/>	B/KC	4097	-1471

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#	246'	Common	175	3%cc, 2% gel
Production	7 7/8"	5 1/2"	14#	4149'	AFC	175	10% salt, 2% gel

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	2280' to surface	Lite	450	

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
4	Perforated 4066-4070 & 4046-4051	300 gal, 15% mud acid, retreat w/1200 gal, 15% NE	
4	Perforated 4000-4006	300 gal, 15% mud acid, retreat w/1200 gal, 15% NE	

TUBING RECORD: Size: 2 3/8" Set At: 4120' Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or Enhr. 9/4/09 Producing Method: Flowing Pumping Gas Lift Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbbls.	Gas Mcf	Water Bbbls.	Gas-Oil Ratio	Gravity
	150				

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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____
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SEP 15 2009

KCC WICHITA

ALLIED CEMENTING CO., LLC. 038464

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT Russell

DATE <u>8-4-09</u>	SEC. <u>36</u>	TWP. <u>9</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30p.m</u>	JOB FINISH <u>8:00p.m</u>
LEASE <u>FORE</u>	WELL # <u>2-36</u>	LOCATION <u>ST. Peters Redline 4w</u>	COUNTY <u>Sheridan</u>		STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>			Sinto				

CONTRACTOR AKK
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 252
 CASING SIZE 8 5/8 23# DEPTH 251
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 1582

OWNER
 CEMENT
 AMOUNT ORDERED 165 60/40 30/60 29/60

COMMON	<u>99</u>	@	<u>13.50</u>	<u>1336.50</u>
POZMIX	<u>66</u>	@	<u>7.55</u>	<u>498.30</u>
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>82</u>	@	<u>2.25</u>	<u>184.50</u>
MILEAGE	<u>.10/sk/mile</u>			<u>300.00</u>

EQUIPMENT
 PUMP TRUCK CEMENTER Craig
 # 417 HELPER Matt
 BULK TRUCK
 # 410 DRIVER John
 BULK TRUCK
 # DRIVER

TOTAL 2637.55

REMARKS:

Surface Job

Cement. Circulated

1582

CHARGE TO: Rains & Williams
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>30</u>	@	<u>7.00</u> <u>210.00</u>
MANIFOLD		@	
		@	
		@	

TOTAL 1201.00

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 PLUG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Eldo Senesac
 SIGNATURE Eldo Senesac

SALES TAX (If Any) _____
 TOTAL CHARGES ~~2637.55~~
 DISCOUNT ~~1201.00~~ IF PAID IN 30 DAYS

TOTAL _____

ALLIED CEMENTING CO., LLC. 043660

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley

DATE <u>8-13-09</u>	SEC. <u>36</u>	TWP. <u>9</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30pm</u>	JOB FINISH <u>11:30pm</u>
LEASE <u>Fole</u>	WELL # <u>2-36</u>	LOCATION <u>St Peter 3N 4W</u>			COUNTY <u>Sheridan</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>sinto</u>			

CONTRACTOR A+A Drilling #1
 TYPE OF JOB Production (2 stage)
 HOLE SIZE 2 7/8 T.D. 4150'
 CASING SIZE 5 1/2 DEPTH 4154'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL DV DEPTH 2280'
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 22,93
 CEMENT LEFT IN CSG. 22,93
 PERFS. Bottom TOP
 DISPLACEMENT 100.79 BBL 55.63

OWNER Same
 CEMENT Bottom
 AMOUNT ORDERED 125 sks ASC 10# salt
2# gel TOP 450 sks Lite
1/4 Flo-seal 500 gal WFR-2
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC 125 sks @ 16.25 2031.25
Lite 450 sks @ 11.85 5332.50
salt 16 sks @ 21.25 340.00
Flo-seal 112# @ 2.45 274.40
WFR-2 500 gal @ 1.10 550.00
 HANDLING 685 sks @ 2.25 1541.25
 MILEAGE 10# sk/mile 2055.00
 TOTAL 13024.40

EQUIPMENT
456 water
55.63 mud
 PUMP TRUCK # 423-281 CEMENTER Andrew
 HELPER Larene
 BULK TRUCK # 377 DRIVER Kelly
 BULK TRUCK # 399 DRIVER Darrin

REMARKS:

Bottom stage pump seal
WFR-2 mix 175 sks ASC wash pump
and lines clean displace plug
800# lift 1500 land plug float
held open DV tool clean displace
tanks top stage mix 30 sks lite
Rot hole mix 420 sks Lite down
5/2 casing wash pump and lines
Displace plug 700# lift land plug 1200#
tool closed cemented thank you
35 sks to pit

CHARGE TO: Rains + Williams Oil Co
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB 4154'
 PUMP TRUCK CHARGE 2036.00
 EXTRA FOOTAGE @ _____
 MILEAGE 30 miles @ 7.00 210.00
 MANIFOLD @ _____
 TOTAL 2246.00

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PLUG & FLOAT EQUIPMENT
5/2
 1 Guide shoe @ 101.00
 1 AFU Insert @ 112.00
 1 Basket @ 161.00
 1 DV TOOL @ 2832.00
 6 Centralizers @ 35.00 210.00
 TOTAL 3416.00

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Claude Blakesley
 SIGNATURE Claude Blakesley

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

**W. SCOTT ALBERG
 PETROLEUM GEOLOGIST
 609 Meadowlark Lane
 Pratt, Kansas 67124
 620-388-3780**

Geologist Report

August 20, 2009

Rains & Williamson Oil Co., Inc
 220 W. Douglas, Suite 110
 Wichita, Kansas 67202

Fore #2-36
 C-N/2-NE-NW
 Section 36-T9S-R26W
 Sheridan County, Kansas

Contractor
 Commenced
 Completed
 Elevations
 Measurements

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Anderson Drilling
 August 4, 2009
 August 13, 2009
 GL 2621; KB 2626
 All depths measured from Kelly
 Bushing.

Casing Program

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Surface: 8 5/8" set at 241'
 Production: 5 1/2" set one foot off
 bottom w/ 175 sxs AFC. Port collar
 set at 2280', cemented to surface
 with 420 sxs Lite cement.

Samples
 Drilling Time

Samples saved from 3500' to T. D.
 One (1) foot drilling time recorded
 by geologist from surface to T.D.

Gas Detector
 Electric Log

None
 Log Tech; DIL, CN/CD, MICRO,
 SONIC.

Formation Testing

Trilobite Testing, Four Tests Ran

<u>FORMATION</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB SEA DATUM</u>
Anhydrite	2261	+365
Topeka	3617	-991
Heebner Shale	3827	-1201
Toronto Limestone	3850	-1224
Lansing	3868	-1242
200' Zone	4065	-1439
B/KC	4097	-1471
LTD	4150	-1524

All samples corrected to Electric Log Depths.

SAMPLE ANALYSIS, SHOWS OF OIL, ECT.

'C' Zone
3894 to 3898

Limestone, cream-white, fine to medium crystalline, trace of fossiliferous porosity, trace of vugular porosity, very slight show of oil, dull fluorescence, slightly chalky in part, faint odor. Covered by DST #1, OF COMMERCIAL VALUE.

'D' Zone
3904 to 3908

Limestone, cream-white, finely crystalline, trace of pin point porosity, few scattered vugs, questionable light show of oil, no significant odor. Not covered by any DST. Should be tested prior to abandonment of well.

'F' Zone
3942 to 3948

Limestone, buff white, fine to medium crystalline, fossil fragments, trace of vugular porosity, slight show of oil, faint odor, slight fluorescence. Covered by DST #2. Of Possible Value.

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'H' Zone
4000 to 4006

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Limestone, cream, tan-white, fine to medium crystalline, trace of fossils, some crystalline porosity along edges, faint odor, trace of vugular porosity, slight staining, faint odor, dull fluorescence. Covered by DST #3, OF COMMERCIAL VALUE.

'I' Zone
4028 to 4031

Limestone, cream white, finely crystalline, slightly chalky, scattered vugular porosity, slight staining, dull fluorescence. Not Covered by any DST. Should be tested Prior to Abandonment.

'J' Zone
4046 to 4051

Limestone, cream-white, fine to medium crystalline, trace of vugular porosity, slight staining, faint fluorescence, faint odor. Covered by DST #4, OF COMMERCIAL VALUE.

'K' Zone
4066 to 4070

Limestone, cream white, fine to medium crystalline, very fossiliferous, oolites, intergranular porosity, vugular porosity, slight staining, show of oil, faint odor, slight fluorescence, Covered by DST #4, OF COMMERCIAL VALUE.

Log Total Depth

4150 (-1524)

Drill Stem Tests

DST #1 3829' to 3906'

Lansing A & C Zones

Initial Flow period, strong blow, off bottom of bucket in 3 ½ minutes; initial shut in period, 7 inch blow back; second flow period, off the bottom of the bucket in 3 minutes; final shut in period, off bottom of bucket in 16 minutes.

IHP 1835#	FHP 1807#
IFP 96-222#	FFP 236-358#
ISIP 961#	FSIP 945#

Recovery; 1115' Gas in Pipe
65' VSGOCM (15% Gas, 5% Oil, 80% Mud)
365' MO (90% Oil, 10% Mud)
385' GMCO (30% Gas, 60% Oil, 10% Mud)
60' GHOCM (40% Gas, 35% Oil, 25% Mud)
Gravity 38

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DST #2 3929 to 3953'

Lansing 'F' Zone

Initial flow period, off bottom of bucket in 1 ½ minutes; initial shut in period, ½ inch blow back; second flow period, off bottom of bucket in 2 ½ minutes; final shut in period, 1 inch blow back.

IHP	1891#	FHP	1851#
IFP	128-323#	FFP	358-529#
ISIP	972#	FSIP	965#

Recovery; 310' Gas in Pipe
45' Free Oil (95% Oil, 5% Mud)
390' GOCMW (10% Gas, 10% Oil, 55% Water, 25% Mud)
680' VSGO&MCW (10% Gas, 5% Oil, 80% Water, 5% Mud)
Gravity 39

DST #3 3983 to 4020'

Lansing 'H' Zone

Initial flow period, off bottom of bucket in 1 minute; initial shut in period, off bottom of bucket in 3 minutes; final flow period, off bottom of bucket in 1 ½ minutes; final shut in period, off bottom of bucket in 13 minutes.

IHP	1931#	FHP	1899#
IFP	119-203#	FFP	222-279#
ISIP	357#	FSIP	365#

Recovery; 1860' Gas in Pipe
625' GFO (10% Gas, 85% Oil, 5% Mud)
120' GHOCM (20% Gas, 30% Oil, 50% Mud)
Gravity 40

DST #4 4049 to 4080'

KC 'J-K' Zones

Initial flow period, off bottom of bucket in 45 seconds; initial shut in period, off bottom of bucket in 5 minutes; final flow period, off bottom of bucket in 2 minutes; final shut in period, off bottom of bucket in 10 minutes.

IHP	1968#	FHP	1944#
IFP	63-160#	FFP	168-276#
ISIP	1147#	FSIP	1135#

Recovery; 2420' Gas in Pipe
700' GFO (10% Gas, 85% Oil, 5% Mud)
105' VSGOCWM (17% Gas, 3% Oil, 30% Water, 50% Mud)
Chlorides - 40,000 ppm, Gravity 38.

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RECOMMENDATIONS:

With the results of sample shows, structural position, results of DST's and log calculations it was recommended 5 ½" production casing be set to further evaluate the potential pay zones in this well. The following zones should be perforated and tested;

- | | | |
|----|----------|-----------|
| 1. | 'K' Zone | 4066-4070 |
| 2. | 'J' Zone | 4046-4051 |
| 3. | 'I' Zone | 4028-4031 |
| 4. | 'H' Zone | 4000-4006 |
| 5. | 'D' Zone | 3904-3908 |
| 6. | 'C' Zone | 3894-3898 |

Respectfully,



W. Scott Alberg, P.G. # 54

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