

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

7-22-2002
RECEIVED
JUL 22 2002
KCC WICHITA
ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 5146
Name: RAINS & WILLIAMSON OIL CO., INC.
Address: 220 W. DOUGLAS SUITE 200
City/State/Zip: WICHITA, KS. 67202
Purchaser: NA
Operator Contact Person: JUANITA GREEN
Phone: (316) 265-9686
Contractor: Name: L.D. DRILLING, INC.
License: 6039
Wellsite Geologist: JIM MUSGROVE
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: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 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. _____
6-22-02 6-27-02 6-28-02
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 065-22842-00-00
County: GRAHAM
^{15'S} 75' W - C - NE Sec. 29 Twp. 8 S. R. 23 East West
1435 feet from S / (N) (circle one) Line of Section
1395 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: GATES Well #: 1
Field Name: WILDCAT
Producing Formation: NA
Elevation: Ground: 2312 Kelly Bushing: 2317
Total Depth: 3900 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 264 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.

Drilling Fluid Management Plan P+A EH 8-9-02
(Data must be collected from the Reserve Pit)
Chloride content 38,000 ppm Fluid volume 350 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. Green
Title: President Date: 7/19/02
Subscribed and sworn to before me this 19th day of July,
2002
Notary Public: Patricia A. Thome
Patricia A. Thome
Date Commission Expires: 6/18/05

PATRICIA A. THOME
Notary Public - State of Kansas
My Appt. Expires 6/18/05

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

ORIGINAL

Operator Name: RAINS & WILLIAMSON OIL CO., INC. Lease Name: GATES
 Sec. 29 Twp. 8 S. R. 23 East West County: GRAHAM

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:
 Radiation Guard Log

Log Formation (Top), Depth and Datum Sample
 Name Top Datum
 See Attached

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CASING RECORD							
				New	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#	264'	60/40 POZ	165	2% gel, 3% cc

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		Acid, Fracture, Shot, Cement Squeeze Record		Depth
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	No
Date of First, Resumed Production, SWD or Enhr.		Producing Method					
Estimated Production Per 24 Hours		Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity	

Disposition of Gas METHOD OF COMPLETION Production Interval

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

RAINS & WILLIAMSON OIL CO., INC.

ORIGINAL

Drilling Report

GATES #1

115' South & 75' West of C NE/4
 Section 29-8S-23W
 Graham County, Kansas
 API# 15-065-22842-0000

Drilling Contractor: L. D. Drilling, Inc.
 Elevation: 2312' GL 2317' KB
 Geologist: James C. Musgrove

TOPS

	<u>Sample</u>	<u>Datum</u>	<u>Log</u>	<u>Datum</u>
Anhydrite	1995	+322	1994	+323
B/Anhydrite	2029	+288		
Topeka	3416	-1099	3413	-1096
Heebner	3626	-1309	3627	-1310
Toronto	3654	-1337	3653	-1336
Lansing	3672	-1355	3670	-1353
B/Kansas City			3885	-1568
RTD	3900	-1583	LTD 3899	-1582

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06/21/02 MIRT & Spud 6/22/02.
 06/22/02 Moved in & rigged up. Spud @ 5:15 p.m. 6/22/02. Cut 267' 12 1/4" hole. Ran 6 jts. of new 23# 8 5/8" casing. Set at 264' with 165 sx. 60/40 pos. 2% gel 3% cc. Cement Circulated. Allied Cementing Plug Down @ 10:30 p.m. 6/22/02. Tally 257.01 Survey @ 267' - 1/2 degree.
 06/23/02 267' Drilled plug @ 6:30 a.m.
 06/24/02 2220' Drilling Ahead.
 06/25/02 3180' Drilling Ahead. Will mud up at 3400'.
 06/26/02 3748' Circulating for samples.
 06/27/02 3900' RTD Logging DST#1 3803'-3850' (I & J Zones) 30 45 30 45 Recovered 65' mud. Weak decreasing blow. ISIP 1197, FSIP 1128, IFP 29-44, FFP 29-57. Getting ready to plug.
 06/28/02 Plugged with 190 sx. 60/40 pos, 6% gel, 1/4# floseal. 1st plug @ 2000' with 25 sx, 2nd plug @ 1165' with 100 sx., 3rd plug @ 300' with 40 sx, top 40' with 10 sx, 15 sx in the rathole. Finished plugging @ 3:00 p.m. 6/27/02. Allied Cementing.

ALLIED CEMENTING CO., INC.

09439

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

ORIGINAL SERVICE POINT: OAKLEY

DATE <u>6-22-02</u>	SEC <u>29</u>	TWP <u>8S</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION <u>7:45 PM</u>	JOB START <u>9:45 AM</u>	JOB FINISH <u>10:15 PM</u>
LEASE <u>GATES</u>	WELL # <u>1</u>	LOCATION <u>Hell City 1S-1 1/4W-3 1/4S-3/4N</u>		COUNTY <u>GRAHAM</u>	STATE <u>KS</u>		

OLD OR NEW (Circle one)

CONTRACTOR L. D. ORL6

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 267'

CASING SIZE 8 5/8" DEPTH 267'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15"

PERFS. _____

DISPLACEMENT 16 1/4 BBL

OWNER SAME

CEMENT AMOUNT ORDERED 165 SKS 60/40 p02-38 cc 29 BBL

COMMON	<u>99 SKS</u>	@ <u>6 65</u>	<u>658 35</u>
POZMIX	<u>66 SKS</u>	@ <u>3 55</u>	<u>234 30</u>
GEL	<u>3 SKS</u>	@ <u>10 00</u>	<u>30 00</u>
CHLORIDE	<u>5 SKS</u>	@ <u>30 00</u>	<u>150 00</u>

EQUIPMENT

PUMP TRUCK # 300 CEMENTER TERRY
HELPER WAYNE

BULK TRUCK # 218 DRIVER LOUISE

BULK TRUCK # _____ DRIVER _____

HANDLING	<u>173</u>	@ <u>1 10</u>	<u>190 30</u>
MILEAGE	<u>0.44 PER SK / MILE</u>		<u>408 28</u>

RECEIVED TOTAL 1671 23
JUL 22 2002

KCC WICHITA SERVICE

REMARKS:

CEMENT DED CRK.

DEPTH OF JOB	<u>267'</u>	
PUMP TRUCK CHARGE		<u>520 00</u>
EXTRA FOOTAGE	@ _____	
MILEAGE	<u>59 ME</u>	@ <u>1 70</u>
PLUG	<u>8 5/8 SURFACE</u>	@ <u>45 00</u>
TOTAL		<u>742 00</u>

THANK YOU

CHARGE TO: RAINS + WELLSAMSON OIL CO, INC.

STREET _____
CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	

TOTAL _____

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Bill Owen

Bill Owen
PRINTED NAME

ALLIED CEMENTING CO., INC. 11652

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

ORIGINAL

SERVICE POINT: R

DATE <u>6/27/02</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>12:00p.m.</u>	JOB START	JOB FINISH <u>3:00p.m.</u>
LEASE <u>Gates</u>	WELL # <u>1</u>	LOCATION <u>Hill City 15 1/2 W</u>			COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>15 1/2 W 25 1 W N I 10</u>				

CONTRACTOR LD

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D.

CASING SIZE _____ DEPTH 3900'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT

AMOUNT ORDERED 150 60/40 6% Gel 1/4 # Flo

COMMON	<u>114</u>	@	<u>6.65</u>	<u>758.10</u>
POZMIX	<u>76</u>	@	<u>3.55</u>	<u>269.80</u>
GEL	<u>10</u>	@	<u>10.00</u>	<u>100.00</u>
CHLORIDE		@		
<u>Flo Seal</u>	<u>48 #</u>	@	<u>1.40</u>	<u>67.20</u>
		@		
		@		
		@		
		@		
HANDLING	<u>190</u>	@	<u>1.10</u>	<u>209.00</u>
MILEAGE	<u>44/SK</u>	@	<u>10.40/mile</u>	<u>448.40</u>
TOTAL				<u>1852.50</u>

EQUIPMENT

PUMP TRUCK CEMENTER Paul

177 HELPER Bill

BULK TRUCK

3102 DRIVER Brent

BULK TRUCK

_____ DRIVER _____

REMARKS:

2000' - 25.5x

1,165' - 100.5x

300' - 40.5x

40' - 10.5x

Reathole 15.5x

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 520.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 59 @ 3.00 177.00

PLUG 5 7/8 Dryhole @ _____ 23.00

_____ @ _____

_____ @ _____

TOTAL 720.00

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CHARGE TO: Rains & Williamson Oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

KCC WICHITA FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

DORAN MARGHEIM
PRINTED NAME

JAMES C. MUSGROVE

Petroleum Geologist

P.O. Box 1162

Great Bend, KS 67530

ORIGINAL

Office (316) 792-7716

Res. Claflin (316) 587-3444

Rains & Williamson Oil Co.

Gates #1

215' N & 255' E of NE-SW-NE (1435' FNL & 1395' FEL)

Section 29-8s-23w

Graham County, Kansas

Page No. 1

RECEIVED
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Contractor: LD Drilling Company (Rig #1)

Commenced: June 22, 2002

Completed: June 27, 2002

Elevation: 2317' K.B.; 2315' D.F.; 2312' G. L.

Casing Program: Surface; 8 5/8" @ 264'
Production; None

Samples: Samples saved and examined 3300' to the Rotary Total Depth.

Drilling Time: One (1) foot drilling time recorded and kept 3300' to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Formation Testing: There was one test ran by Diamond Testing.

Electric Log: By Log Tech; Radiation Guard Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1994	+323
Topeka	3413	-1096
Heebner	3627	-1310
Toronto	3653	-1336
Lansing	3670	-1353
Base Kansas City	3885	-1568
Rotary Total Depth	3900	-1583
Log Total Depth	3899	-1582

(All tops and zones corrected to Electric Log Measurements.)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**TOPEKA SECTION**

3465-3504' Limestone; white, highly fossiliferous, fair to good porosity, sparry calcite infill in some porosity, no shows.

3538-3552' Limestone; white and cream, finely crystalline, few granular, scattered porosity, no shows.

3578-3590' Limestone; as above, trace white fossiliferous, chert, no shows.

3598-3620' Limestone and Chert; as above.

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TORONTO SECTION

3653-3662' Limestone; white, finely crystalline, chalky, increasingly cherty and dense, trace white chert.

LANSING SECTION

- 3670-3680' Limestone; white and cream, finely crystalline, fossiliferous, chalky, sparry calcite cement, poor porosity, plus trace tan, cherty, limestone, poorly developed porosity, questionable edge staining, discoloration, no free oil and no odor, faint yellow fluorescence.
- 3713-3722' Limestone; white, chalky, dense, plus amber to orange and yellowish red chert, no shows.
- 3744-3754' Limestone; gray and white, fossiliferous, few fine to medium crystalline, fair fossil cast to intercrystalline and vuggy type porosity, trace golden brown and brown stain, weak show of free oil and no odor in fresh samples.
- 3758-3764' Limestone; white and gray, sub oocastic, poorly developed porosity, chalky in part, no shows.
- 3764-3770' Limestone; as above, poor visible porosity and trace white to gray chert, and white chalky dense limestone.
- 3800-3809' Limestone; gray and light gray to white, slightly fossiliferous, chalky, (dense).
- 3822-3829' Limestone; white and cream, finely crystalline, slightly fossiliferous, chalky in part, scattered pinpoint to intercrystalline type porosity, black and brown to golden brown stain, trace of free oil and questionable odor in fresh samples.
- 3835-3846' Limestone; white, fossiliferous, chalky, brown and golden brown stain, poor visible porosity, weak show of free oil and faint odor in fresh samples.

Drill Stem Test #1 3803-3850'

Times: 30-45-30-45

Blow: Weak

Recovery: 65' mud

Pressures: ISIP 1197 psi
FSIP 1126 psi
IFP 29-44 psi
FFP 49-57 psi
HSH 1844-1840 psi

3856-3862' Limestone; white and gray, fine to medium crystalline, fair porosity, few sub oocastic, no shows.

3872-3884' Limestone; gray to white, fossiliferous/oolitic, chalky, fair to good porosity, (barren).

Rains & Williamson Oil Co.

- Gates #1

215' N & 255' E of NE-SW-NE (1435' FNL & 1395' FEL)

Section 29-8s-23w

Graham County, Kansas

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Base Kansas City 3885 (-1568)

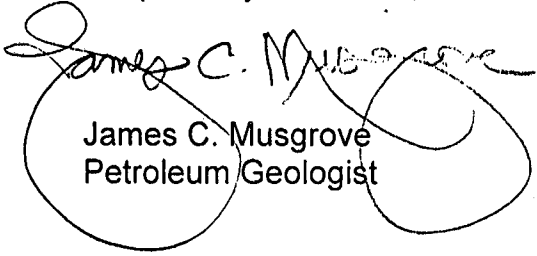
Rotary Total Depth 3900 (-1583)

Log Total Depth 3895 (-1582)

Recommendations:

On the basis of the low structural position and the negative Log Analysis it was recommended by all parties involved that the Gates #1 be plugged and abandoned at the Rotary Total Depth of 3900 (-1583).

Respectfully submitted,


James C. Musgrove
Petroleum Geologist