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

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

OPERATOR: License # 5959
 Name: Rader Oil Co.
 Address 1: 453 E. 2200 Rd.
 Address 2: _____
 City: Eudora, State: Ks. Zip: 66025 + _____
 Contact Person: Richard Rader
 Phone: (785) 883-2885
 CONTRACTOR: License # 8509
 Name: Evans Energy & Dev.
 Wellsite Geologist: none
 Purchaser: Maclaskey
 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: N/A
 Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
☐ 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 #: _____

4-26-12 4-30-12 9-7-12
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 15-059-25956-00-00
 Spot Description: NW-NW-NW-NE
 _____ Sec. 5 Twp. 17 S. R. 21 ☒ East ☐ West
252 Feet from ☒ North / ☐ South Line of Section
2350 Feet from ☒ East / ☐ West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
☒ NE ☐ NW ☐ SE ☐ SW
 County: Franklin
 Lease Name: Rader Well #: 1
 Field Name: Paola-Rantoul
 Producing Formation: Squirrel
 Elevation: Ground: 962 Kelly Bushing: _____
 Total Depth: 730 Plug Back Total Depth: N/A
 Amount of Surface Pipe Set and Cemented at: 22.5' Feet
 Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
 If yes, show depth set: N/A Feet
 If Alternate II completion, cement circulated from: 721.8
 feet depth to: surface w/ 108 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

N/A

Chloride content: _____ ppm Fluid volume: _____ bbls
 Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: N/A
 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: RL RLh
 Title: Owner Date: 9-24-12

KCC Office Use ONLY

☐ Letter of Confidentiality Received

Date: _____

☐ Confidential Release Date: _____☒ Wireline Log Received☐ Geologist Report Received☐ UIC DistributionALT ☐ I ☒ II ☐ III Approved by: Dlg Date: 10/15/12

Operator Name: Rader Oil Co. Lease Name: Rader Well #: 1
 Sec. 5 Twp. 17 S. R. 21 ☒ East ☐ West County: Franklin

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 ☐ Yes ☒ No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☒ Yes ☐ No

Electric Log Run ☒ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☒ No
 (If no, Submit Copy)

List All E. Logs Run:

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum
Squirrel 674 to 687

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CASING RECORD <input 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 $\frac{1}{4}$ "	8 5/8"	26	22.5'	common	8	none
Prod.	6 3/4"	4 $\frac{1}{2}$ "	9.5	721.8'	Pozmix	108	50/50 Pozmix

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		N/A		

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
2	675-79	30 sx. sand W/90 B. water	675-79

TUBING RECORD:		Size: 2"	Set At: 670	Packer At: none	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. 9-8-12		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. 2	Gas Mcf 0	Water Bbls. 10	Gas-Oil Ratio	Gravity 30

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)		METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____		PRODUCTION INTERVAL: 675-79
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VANS
ENERGY
DEVELOPMENT
NC.

11 Lewis Drive

Paola, KS 66071

Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation

Phone: 913-557-9083

Fax: 913-557-9084

WELL LOG

Rader Oil Company

Rader #1

API #15-059-25,956

April 26 - April 30, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
1	soil & clay	1
12	lime	13
30	shale	43
19	lime	62
86	shale	148
20	lime	168
33	shale	201
6	lime	207
2	shale	209
2	lime	211
23	shale	234
8	lime	242
2	shale	244
2	lime	246
17	shale	263
4	lime	267
2	shale	269
5	lime	274
2	shale	276
11	lime	287
16	shale	303
29	lime	332 base of the Kansas City
152	shale	484
6	lime	490
71	shale	561
4	lime	565
8	shale	573
12	lime	585
3	shale	588
2	lime	590
2	shale	592
8	lime	600 brown, oil show
5	shale	605
4	broken sand	609
5	grey sand	614
15	silty shale	629
28	shale	657
1	lime & shells	658

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Rader #1

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1	shale	659
3	broken sand	662
12	shale	674
0.5	broken sand	674.5 poor bleeding
5.5	broken sand	680 good bleeding
7	black sand	687
3	silty shale	690
5	shale	695
1	coal	696
34	shale	730 TD

Drilled a 12 1/4" hole to 22.5'

Drilled a 6 3/4" hole to 730'

Set 22.5' of 8 5/8" surface casing cemented with 8 sacks of cement

Set 721.8' of 4 1/2" casing with 3 centralizers, 1 float shoe and 1 clamp

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PO Box 884, Chanute, KS 66720
620-431-8210 or 800-487-8876

**FIELD TICKET & TREATMENT REPORT
CEMENT**

TICKET NUMBER 36704

LOCATION Oftawa KS

FOREMAN Fred Maden

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4/30/12	6930	Rader # 1	N 1/4 S	17	21	FR
CUSTOMER Dick Rader						
MAILING ADDRESS 453 E 2200 RD						
CITY Eudora		STATE KS	ZIP CODE 66025			
JOB TYPE Land						

TRUCK #	DRIVER	TRUCK #	DRIVER
506	FREMAO	Safety	VM
455	HARBEL	1913	
369	DERMAS	DIM	
558	RYASEIN	RS	

JOB TYPE <u>Long string</u>	HOLE SIZE <u>6 3/4</u>	HOLE DEPTH <u>730</u>	CASING SIZE & WEIGHT <u>4 1/2"</u>
CASING DEPTH <u>621 1/2</u>	DRILL PIPE	TUBING	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT IN CASING <u>4 1/2" plug</u>
DISPLACEMENT <u>11.368</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>5.3 PM</u>

REMARKS: Check casing depth w/ wireline. Mix & Pump 100 # Gel Flush
Mix & Pump 600 BBLs Tell tale dye. Mix & Pump 100 # Gels 50/50
For Mix Cement 220 Gel 1/2" Phen Seal/ft. Flush pump lines clean
Displace 45 Rubber plug to TD. Pressure to 600 PSI. Release
pressure to set float valve. Check plug depth w/ wireline.
Circulated app. 4 BBL Slurry to pit.

Paul Mader

[illegible]

Purvin 3737

AUTHORIZATION

R. Lee

TITLE

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.