

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 # 34224

Name: Red Cloud Exploration Operating LLC

Address 1: 1611 St. Andrews Dr. 3rd Fl

Address 2: \_\_\_\_\_

City: Lawrence State: KS Zip: 66047 + \_\_\_\_\_

Contact Person: Kevin Sylla

Phone: ( 415 ) 850-9183

CONTRACTOR: License # 33986

Name: Owens Petroleum Services

Wellsite Geologist: George Peterson

Purchaser: Coffeyville Resources

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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: \_\_\_\_\_

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 #: \_\_\_\_\_

4/17/10    4/20/10    5/4/10  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date    Recompletion Date

API No. 15 - 207-27592-00-00

Spot Description: \_\_\_\_\_

SW SW SW NW Sec. 20 Twp. 25 S. R. 17  East  West

2,475 Feet from  North /  South Line of Section

165 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: Woodson

Lease Name: Purcell Well #: 2-10

Field Name: Humboldt-Chanute

Producing Formation: Squirrel

Elevation: Ground: 975 Kelly Bushing: \_\_\_\_\_

Total Depth: 900 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 40 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: 890

feet depth to: Ø w/ 109 sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: fresh ppm Fluid volume: 300 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: Manager Data Date: 1/3/11

**KCC Office Use ONLY**

Letter of Confidentiality Received

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT  I  II  III Approved by: Dig Date: 1/20/11

Operator Name: Red Cloud Exploration Operating LLC Lease Name: Purcell Well #: 2-10  
 Sec. 20 Twp. 25 S. R. 17  East  West County: Woodson

**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 type="checkbox"/> Yes <input checked="" 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:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>U.Squirrel</td> <td>786</td> <td>+189</td> </tr> <tr> <td>L.Squirrel</td> <td>832</td> <td>+143</td> </tr> </table>	Name	Top	Datum	U.Squirrel	786	+189	L.Squirrel	832	+143
Name	Top	Datum								
U.Squirrel	786	+189								
L.Squirrel	832	+143								

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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	9-7/8	7"	17	40	Monarch	20	
Production Casing	5-5/8"	2-7/8	6.7	890	OWC	109	

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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
41	834.0-844.0	Spotted 1BBL of 15% HCL on the zone	

TUBING RECORD:	Size: <u>2 7/8</u>	Set At: <u>890</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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 <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# Kepley Well Service, LLC

19245 Ford Road  
Chanute, KS 66720

<b>Date</b>	<b>Invoice #</b>
4/21/2010	A-44934

## Cement Treatment Report

Red Cloud Exploration Operating LLC  
ATTN: Kevin Sylla  
161 St. Andrews Drive, 3rd Floor  
Lawrence, KS 66047

(x) Landed Plug on Bottom at 600 PSI  
(x) Shut in Pressure 600  
(x) Good Cement Returns  
( ) Topped off well with \_\_\_\_\_ sacks  
(x) Set Float Shoe - shut it

TYPE OF TREATMENT: Production Casing  
HOLE SIZE: 5 5/8"  
TOTAL DEPTH: 900

Well Name	Terms	Due Date		
Purcell	Net 15 days	5/6/2010		
Service or Product	Qty	Per Foot Pricing/Unit Pricing	Amount	
Run and cement 2 7/8"	2.8	890.00	2,492.00	
Sales Tax		6.30%	0.00	
<div data-bbox="206 1150 713 1411" data-label="Text" style="border: 2px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: auto;">                     Parcel #2-10 Woodson County Sec: 20 Twn: 25 Rge: 17 API:                 </div>				
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Hooked onto 2 7/8" casing. Established circulation with 4 barrels of water, 3 GEL, 1 METSO, COTTONSEED, 2 RUBBER PLUGS ahead, blended 109 sacks of OWC cement, dropped rubber plug, and pumped 5 barrels of water

<b>Total</b>	<b>\$2,492.00</b>
<b>Payments/Credits</b>	<b>\$0.00</b>
<b>Balance Due</b>	<b>\$2,492.00</b>

# GEOLOGISTS REPORT

For

**RED CLOUD EXPLORATION OPERATING LLC**

**PURCELL 2-10**  
**SW 1/4, SW 1/4, SW 1/4, NW 1/4,**  
**Sec 20, T25S, R17E**  
**Woodson County, Kansas**

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*The formation tops and intervals for this report were taken from the Gamma / Neutron log and are based on a ground level elevation of 976' which was taken from a U.S.G.S 7 1/2, minute quad sheet.*

	<i>Depth</i>	<i>Datum</i>	<i>Thickness</i>
<i>Base Kansas City Group:</i>	431	+544	
<i>Altamont ls</i>	621	+354	
<i>Mulkey coal</i>	782	+193	
<i>U. Squirrel sd</i>	786	+189	14'
<i>L. Squirrel</i>	832	+143	36'

**RTD 900 LTD 881.5**

*Sample returns were examined microscopically and under black light from the middle of the Pawnee limestone through the Squirrel sand sequence. Samples were caught at 2 foot intervals until the top of the lower Squirrel was found and then samples were caught at 4-6 foot intervals.*

*There was a strong odor was again noted in samples from the lower Pawnee limestone in this well. There was a show of oil along with slight cut and fluorescence under black light. The oil was in a zone of pinpoint porosity along with some oil in calcite filled fractures. It is recommended that a good set of open hole logs be run to get good resistivity and porosity data on a new well in this field.*

*The upper Squirrel appears to be sand with inter-bedded shale laminations. There were no visible shows of oil although there appeared to be a slight odor present. It might be advisable to pref this zone at a later time to further evaluate its potential.*

*The lower Squirrel was reached at a log depth of 832 feet. This interval has a total thickness of 36 feet.*

*The samples consisted of a fine to medium grained quartz sand that appeared to be slightly shaly in nature. The log also indicates that there are shale laminations within the unit. There was a strong petroleum odor present in the samples and a good*

*show of medium brown free oil. There was good yellow fluorescence when exposed to a black light. This oil show continued for some time and when the Gamma log was run the log indicated that the sand continued with increasing amounts of shale and shale partings to about 857 feet.*

*Based on the log response and the show of oil in the samples, the determination was made to perforate from 834-44 with 4 shots per foot.*

**CONCLUSIONS AND RECOMMENDATIONS:**

*This well appears to have the potential to produce commercial quantities of oil. To evaluate which direction to develop the lease, it becomes important to obtain reasonably accurate elevations on the existing wells so that cross sections can be developed to aid in determining the best way to develop the lease.*

*At some point a good set of logs, to include both resistivity and compensated neutron density/porosity logs will be necessary if there is a need to develop reserve information.*

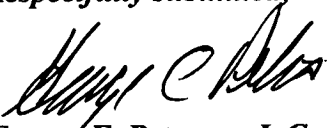
*The very good oil show that appears to be from the lower Pawnee limestone between 778 and 782 needs to be perforated and a small 10% acid treatment be completed to evaluate the zone.*

**DISCLAIMER:**

*The author of this report has no working or over riding royalty interest in this well or in any wells on this lease. This report is based on the opinions and observations of the author based on training, experience gained from other wells in the area and information gained from the samples and logs from this well.*

*Should additional information be required, please contact me.*

*Respectfully submitted;*

  
George E. Petersen, L.G., C.P.G.  
DEACON GEOLOGY INC.

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