

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

OPERATOR: License # 33936  
Name: Charles Griffin  
Address 1: P.O. Box 127  
Address 2: \_\_\_\_\_  
City: Sawyer State: KS Zip: 67134 + \_\_\_\_\_  
Contact Person: Charles Griffin  
Phone: (720) 490 5648  
CONTRACTOR: License # 5929  
Name: Duke Drilling Co., Inc.  
Wellsite Geologist: Bruce Reed  
Purchaser: Oneok

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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: Petroleum, Inc.  
Well Name: Canton B-2  
Original Comp. Date: 1977 7/06/77 Original Total Depth: 4983'  
 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.: \_\_\_\_\_

4-17-09 4-21-09 5-18-09  
Spud Date or (Recompletion Date) Date Reached TD Completion Date or (Recompletion Date)

API No. 15 - 097-20401-00-01  
Spot Description: 70' w/of C  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
1320 Feet from  North /  South Line of Section  
1250 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Kiowa  
Lease Name: Canton "B" Well #: 2  
Field Name: Glick  
Producing Formation: Mississippi  
Elevation: Ground: 2075' Kelly Bushing: 2087'  
Total Depth: 5497' Plug Back Total Depth: 5470'  
Amount of Surface Pipe Set and Cemented at: 524 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 Alt I II  
*(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 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: \_\_\_\_\_  
Title: \_\_\_\_\_ Date: 12/20/09

Subscribed and sworn to before me this 20<sup>th</sup> day of December, 2009.

Notary Public: \_\_\_\_\_  
Date Commission Expires: \_\_\_\_\_  
George H Beck Jr.  
Notary Public State of Kansas  
My Exp. Expires 2/25/2012

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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Operator Name: Charles Griffin Lease Name: Canton "B" Well #: 2  
 Sec. 21 Twp. 30 S. R. 17  East  West County: Kiowa

**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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets)  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 (Submit Copy)  List All E. Logs Run: Dual Induction Dual Compensated Porosity Sonic Cement Bond	<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:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Kinderhook</td> <td>5114'</td> <td>-3024'</td> </tr> <tr> <td>Viola</td> <td>5136'</td> <td>-3049'</td> </tr> <tr> <td>Simpson</td> <td>5329'</td> <td>-3242'</td> </tr> <tr> <td>Arbuckle</td> <td>5420'</td> <td>-3333'</td> </tr> </table>	Name	Top	Datum	Kinderhook	5114'	-3024'	Viola	5136'	-3049'	Simpson	5329'	-3242'	Arbuckle	5420'	-3333'
Name	Top	Datum														
Kinderhook	5114'	-3024'														
Viola	5136'	-3049'														
Simpson	5329'	-3242'														
Arbuckle	5420'	-3333'														

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		8 5/8"		524			
Production	7 7/8"	4 1/2"	10.5	5486		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				

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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
3	5370'-80' CIBP set @5350'		
3	4944'-60'	Frac w/60,000 lbs of sand & 48,000 g	

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TUBING RECORD: Size: 2 3/8" Set At: 4990' Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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Date of First, Resumed Production, SWD or Enhr. 6/1/09 Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>45</u>	Water Bbls. <u>8</u>	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>4944'-4960'</u>
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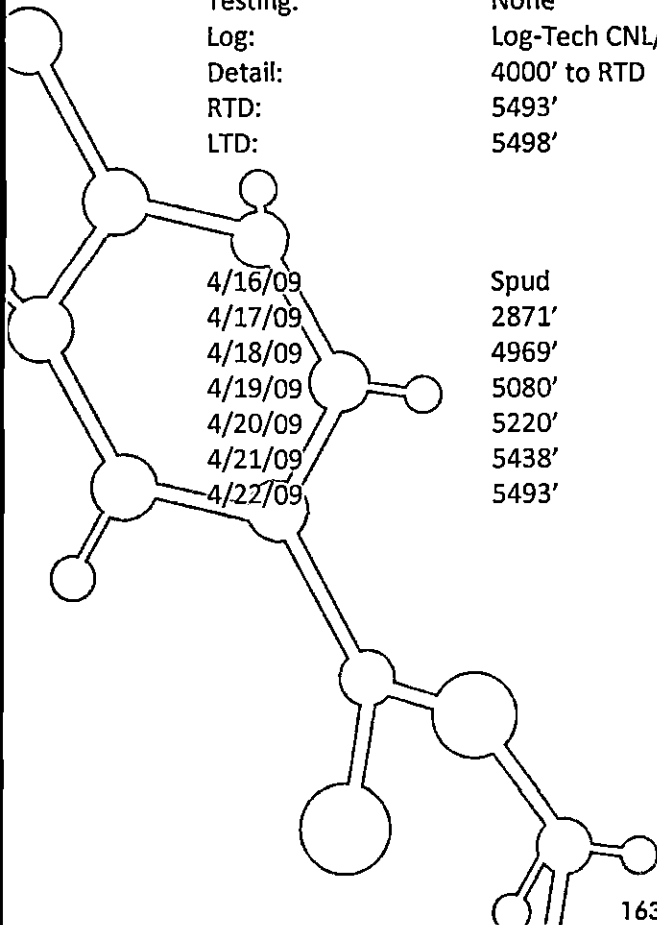
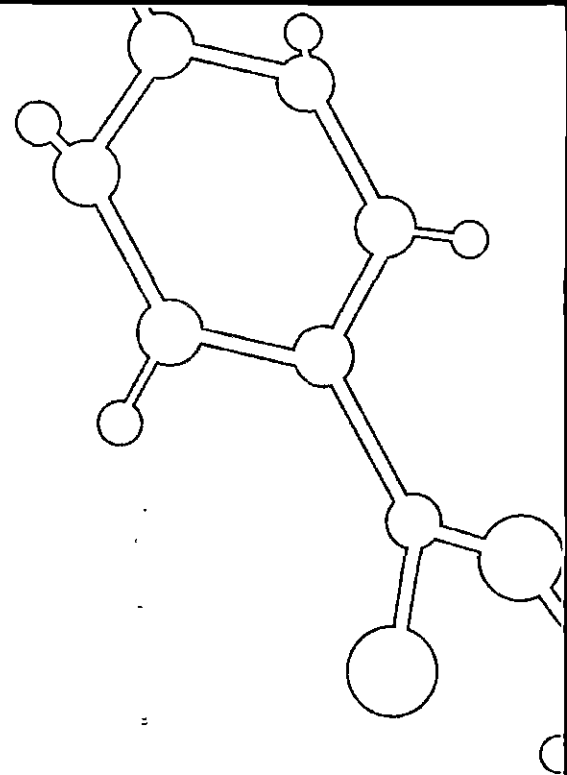
**DRILLING INFORMATION  
AND GEOLOGICAL REPORT**

Operator: Charles Griffin  
Lease: #2 Canton "B" (Re-Entry)  
Survey: 1320' FNL & 1250' FWL, Section 21-30S-17W  
Field: Glick  
County: Kiowa  
State: Kansas

Contractor: Duke Drilling, Rig 1  
Elevation: 2075' GL / 2087' KB  
Surface Casing: 8-5/8" @ 523'  
Production: 4-1/2"  
Geologist: 4976'  
Survey: Straight hole @ 5493' (1 degree deviation)  
Testing: None  
Log: Log-Tech CNL/CDL  
Detail: 4000' to RTD  
RTD: 5493'  
LTD: 5498'

**Daily Penetration**

4/16/09	Spud
4/17/09	2871'
4/18/09	4969'
4/19/09	5080'
4/20/09	5220'
4/21/09	5438'
4/22/09	5493'



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### Formation Tops

<u>Formation</u>	<u>Sample Top</u>	<u>Datum</u>	<u>Log Top</u>	<u>Datum</u>
Kinderhook	5111'	-3024	5114'	-3027
Viola	5136'	-3049	5136'	-3049
Simpson	5329'	-3242	5330'	-3243
Simpson Sand	5370'	-3283	5370'	-3283
Arbuckle	5420'	-3333	5422'	-3335
Total Depth	5493'	-3406	5498'	-3411

### Zones of Interest

5136'-63'

Viola Formation. Limestone, tan, fine crystalline with poor visible intercrystalline porosity. Questionable odor with no show of free oil. Dolomite, white to light gray, fine crystalline, sucrosic, poor to fair intercrystalline porosity, chalky in part. Questionable odor in fresh sample with no show of free oil.

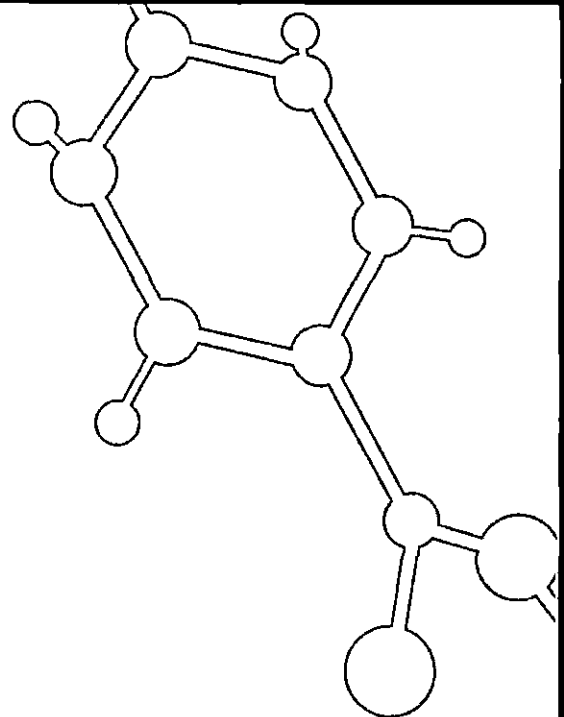
5370'-84

Simpson Sand Formation. Sandstone clusters, white, very fine grained, sub-angular, poorly friable. Some individual frosted white sandstone grains in bottom of tray. Questionable odor in fresh sample with no shows of free oil.

5420-29'

Arbuckle Formation. Dolomite, gray to white in color. Fine crystalline and sucrosic. Poor visible intercrystalline porosity. No shows.

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**COMMENTS AND RECOMMENDATIONS**

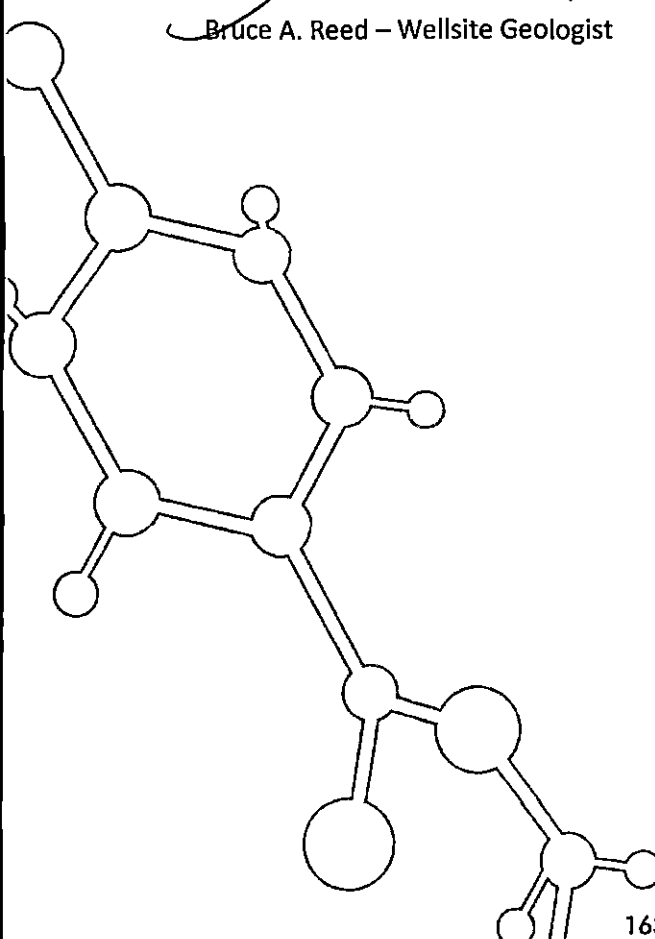
An oil string of casing was set to further test the historical shows of gas in the Mississippian Formation. Selected perforations should be located with a cased hole correlation log and stimulated with fracture technology.

Prior to abandonment, perforate both the Viola and Simpson Sand as noted above.

Respectfully submitted,

A handwritten signature in cursive script that reads "Bruce A. Reed".

Bruce A. Reed – Wellsite Geologist



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