



KANSAS CORPORATION COMMISSION 1094036  
OIL & GAS CONSERVATION DIVISION

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 # 31106  
Name: Harper, Jay dba Harper Oil Co.  
Address 1: 1599 E 5200 ST  
Address 2: \_\_\_\_\_  
City: CHERRYVALE State: KS Zip: 67335 + 3611  
Contact Person: Jay Harper  
Phone: ( 620 ) 331-9738  
CONTRACTOR: License # 5675  
Name: McPherson, Ron dba McPherson Drilling  
Wellsite Geologist: Julie Shaffer  
Purchaser: CRCT

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 (Corr, 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 #: \_\_\_\_\_  
07/25/2012    07/26/2012    07/27/2012  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-125-32259-00-00  
Spot Description: \_\_\_\_\_  
SW SE SW SE Sec. 34 Twp. 32 S. R. 15  East  West  
287 Feet from  North /  South Line of Section  
1933 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Montgomery  
Lease Name: Bredenhoft Well #: 101  
Field Name: Jefferson-Sycamore  
Producing Formation: Bartlesville  
Elevation: Ground: 779 Kelly Bushing: 783  
Total Depth: 1117 Plug Back Total Depth: 1117  
Amount of Surface Pipe Set and Cemented at: 20 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 0  
feet depth to: 20 w/ 5 sx cmt.

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content: 0 ppm Fluid volume: 30 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite:  
Operator Name: Jay Harper dba Harper Oil Co  
Lease Name: Moreland License #: 31106  
Quarter NW Sec. 3 Twp. 33 S. R. 15  East  West  
County: Montgomery Permit #: E23577

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.

Submitted Electronically

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: Deanna Gantner Date: 09/21/2012



1094036

Operator Name: Harper, Jay dba Harper Oil Co. Lease Name: Bredehoff Well #: 101  
 Sec. 34 Twp. 32 S. R. 15  East  West County: Montgomery

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Attached</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Pawnee</td> <td>628</td> <td>Ls</td> </tr> <tr> <td>Peru</td> <td>656</td> <td>Sand</td> </tr> <tr> <td>Oswego</td> <td>724</td> <td>LS</td> </tr> <tr> <td>Bevier</td> <td>813</td> <td>Coal</td> </tr> <tr> <td>Weir</td> <td>963</td> <td>Coal</td> </tr> <tr> <td>Bartlesville</td> <td>1038</td> <td>Sand</td> </tr> </tbody> </table>	Name	Top	Datum	Pawnee	628	Ls	Peru	656	Sand	Oswego	724	LS	Bevier	813	Coal	Weir	963	Coal	Bartlesville	1038	Sand
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Bartlesville	1038	Sand																				

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	11	8.625	20	20	portland	4	
Production	6.75	4.5	10.5	1096	Thick set	110	Phenoseal 40#bag

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ 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
2	1080-1084		
	Bridge plug		1074
1	1044-1054		
	Frac	7000# sand	

TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>1045</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <u>09/15/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	3		35		29

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>1044-1054</u>
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Form	ACO1 - Well Completion
Operator	Harper, Jay dba Harper Oil Co.
Well Name	Bredehoft 101
Doc ID	1094036

All Electric Logs Run

Dual Induction
Compensated Density
Differential temperature
Gamma Ray Nuutron





**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8678

TICKET NUMBER 53913  
FIELD TICKET REF # \_\_\_\_\_  
LOCATION Thayer  
FOREMAN Robert Kudryk

*1st well  
x-link*

**TREATMENT REPORT  
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-29-12		Bredenhof 4101				MIG
CUSTOMER H+H Development			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS			476 Josh			
CITY STATE ZIP CODE			490 Donnie			
			478 Mark			
			618T95 Jay			
			679T102 Junior			

**WELL DATA**

CASING SIZE <u>4 1/2</u>	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>1044-54 (11) Bartlesville</u>	

**TYPE OF TREATMENT**  
Cross-link frac

**CHEMICALS**

<u>Kalsub-Biocide + Breaker</u>	
<u>X-linker</u>	<u>GB102</u>
<u>CL198</u>	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
<u>PAD 1000</u>	<u>1000</u>	<u>12.5</u>			<u>1025</u>	BREAKDOWN <u>N/A</u>
<u>16-30</u>		<u>12.5</u>	<u>.50</u>	<u>100#</u>	<u>1025</u>	START PRESSURE
<u>12-20</u>		<u>12.5</u>	<u>.50</u>	<u>700#</u>	<u>1050</u>	END PRESSURE
<u>12-20</u>	<u>105</u>		<u>1.0</u>		<u>1000</u>	BALL OFF PRESS
<u>12-20</u>			<u>1.0</u>	<u>1700#</u>	<u>900</u>	ROCK SALT PRESS
<u>12-20</u>	<u>145</u>		<u>2.0</u>		<u>925</u>	ISIP <u>675</u>
<u>12-20</u>			<u>2.0</u>	<u>3,000#</u>	<u>925</u>	5 MIN <u>550</u>
<u>12-20</u>	<u>180</u>		<u>3.0</u>			10 MIN <u>520</u>
<u>12-20</u>			<u>3.0</u>	<u>1,500#</u>	<u>925</u>	15 MIN <u>500</u>
<u>Clean</u>	<u>196</u>					MIN RATE
		<u>12.5</u>	<u>TOTAL</u>	<u>7,000#</u>		MAX RATE
<u>FLUSH CASING</u>	<u>18</u>	<u>12.5</u>	<u>SAND</u>		<u>950</u>	DISPLACEMENT <u>16.75</u>
<u>OVER FLUSH</u>	<u>1</u>					
<u>TOTAL BBL'S</u>	<u>214</u>					

REMARKS: \* hold safety-procedure meeting before frac

Adjust PH in city water - 5-7 range / mix samples to insure x-linker blend proper / blend x-link OTR + high percentage breaker

Location 3:00 PM - 4:00 PM 25 miles

AUTHORIZATION Jay Ayon TITLE \_\_\_\_\_ DATE 8-29-12

Terms and Conditions are printed on reverse side.