

**ORIGINAL**  
**KANSAS CORPORATION COMMISSION**  
**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 # 34591  
 Name: Sandy Creek Petroleum, LLC  
 Address 1: 1225 Eagle Landing Dr.  
 Address 2: \_\_\_\_\_  
 City: Cookeville State: TN Zip: 38506 + 9 1 3 0  
 Contact Person: Michael L. Ebers  
 Phone: (931) 319-1336  
 CONTRACTOR: License # 33606  
 Name: Thornton Air Rotary  
 Wellsite Geologist: Michael L. Ebers  
 Purchaser: \_\_\_\_\_

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

16-4-11      10-5-11      10-12-11  
 Spud Date or      Date Reached TD      Completion Date or  
 Recompletion Date                Recompletion Date

API No. 15 - 133-27577-0000

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

NW SW NW NE Sec. 31 Twp. 29 S. R. 20  East  West

775 Feet from  North /  South Line of Section

2,715 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: Neosho

Lease Name: Swayze, Catherine L. Well #: 31-1

Field Name: Hertha

Producing Formation: \_\_\_\_\_

Elevation: Ground: 949 Kelly Bushing: \_\_\_\_\_

Total Depth: 586 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 21.8' 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**

(Data must be collected from the Reserve Pit)

Chloride content: NA ppm Fluid volume: 0 bbls

Dewatering method used: Air drilled & air dry

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: Michael L. Ebers

Title: Manager Date: 11/9/2011

**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: NA Dlg Date: 11/22/11

Operator Name: Sandy Creek Petroleum, LLC Lease Name: Swayze, Catherine L. Well #: 31-1  
 Sec. 31 Twp. 29 S. R. 20  East  West County: Neosho

**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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample  <table border="1" 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>Lenapah Limestone</td> <td>149'</td> <td>+800'</td> </tr> <tr> <td>Altamont Limestone</td> <td>162'</td> <td>+787'</td> </tr> <tr> <td>Pawnee Limestone</td> <td>271'</td> <td>+678'</td> </tr> <tr> <td>Oswego Limestone</td> <td>353'</td> <td>+596'</td> </tr> <tr> <td>Verdigris Limestone</td> <td>496'</td> <td>+453'</td> </tr> <tr> <td>Bartlesville Sandstone</td> <td>565'</td> <td>+384'</td> </tr> </tbody> </table>	Name	Top	Datum	Lenapah Limestone	149'	+800'	Altamont Limestone	162'	+787'	Pawnee Limestone	271'	+678'	Oswego Limestone	353'	+596'	Verdigris Limestone	496'	+453'	Bartlesville Sandstone	565'	+384'
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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	11"	8 5/8"		21.8'	Type 1	4	

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
		<div style="border: 2px solid black; padding: 5px; transform: rotate(-2deg);">                             RECEIVED                              NOV 14 2011                              KCC WICHITA                         </div>	

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____					
Estimated Production Per 24 Hours	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">Oil Bbls.</td> <td style="width:15%;">Gas Mcf</td> <td style="width:15%;">Water Bbls.</td> <td style="width:15%;">Gas-Oil Ratio</td> <td style="width:15%;">Gravity</td> </tr> </table>	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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805164

CUSTOMER'S ORDER NO.		DEPARTMENT		DATE 10-11-12			
NAME Justin Bancroft							
ADDRESS Sandy Creek Petroleum - Mike Eber's							
CITY, STATE, ZIP Neosho <sup>3</sup> County							
SOLD BY		CASH	C.O.D.	CHARGE	ON ACCT.	MBSE RETD	PAID OUT

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	Well # 31-1 - Lease Catherine Swayz		
2			
3	Ran 1" to 576 Used 3 bags of Gcl		
4	Spotted 2 Barrell's of Cement on Bottom.		
5	Pulled 1" up to 200ft filled to top		
6	With Cement took 8 Barrell's		
7			
8	Pump Charge	500.00	
9	80 Vac @ 90.00 per hr	160.00	
10	Cement @ 10.00 per Sbk	650.00	
11	Gcl @ 20.00 per Sbk	60.00	
12	3 hr's Pulling unit @ 90.00 per hr	270.00	
13	4 hr's Back bar @ 70.00 per hr	280.00	
14		1,920.00	
15	9.5% Sale's Tax	163.20	
16		2,083.20	
17			
18			
19			
20			

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Air Drilling Specialist  
Oil & Gas Wells

**THORNTON AIR ROTARY, LLC**  
Office Phone: 620-879-2073

PO Box 449  
Caney, KS 67333

Date Started	<b>10/4/2011</b>
Date Completed	<b>10/5/2011</b>

Well No.	Operator	Lease	A.P.I #	County	State
<b>31-1</b>	<b>Sandy Creek Petroleum</b>	<b>Swayze, Catherine</b>	<b>133-27577-00-00</b>	<b>Neosho</b>	<b>Kansas</b>
<b>1/4</b>	<b>1/4</b>	<b>1/4</b>	<b>Sec. 31</b>	<b>Twp. 29</b>	<b>Rge. 20 E</b>

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
<b>Billy</b>	<b>Oil</b>	<b>4</b>	<b>21.8' 8 5/8</b>	<b>586</b>	<b>6 3/4</b>

**Formation Record**

0-6	CLAY	394-414	SHALE		
6-50	SHALE	414-440	SANDY SHALE		
50-116	LMY SHALE	440-475	SHALE		
116-118	BLACK SHALE	475-476	COAL		
118-133	LIME	476-496	SHALE		
133-149	SHALE	496-497	LIME		
149-157	LIME	497-502	SHALE		
157-162	SHALE	502-503	COAL (CROWBERG)		
162-171	LIME	503-518	SHALE		
171-190	SHALE	518-526	SAND		
190-205	SAND / DAMP	526-529	SHALE		
205-226	SANDY SHALE	529-530	COAL		
226-268	SHALE	530-553	SHALE		
268-269	COAL (MULBERRY)	553-561	SANDY SHALE		
269-271	SHALE	561-564	BLK SAND / LITE ODOR		
271-291	LIME (PAWNEE)	564-565	COAL		
291-296	BLACK SHALE	565-573	SAND		
296-301	LIME	573-580	SANDY SHALE		
301-306	BLK SHALE (LEXINGTON)	580-586	SHALE		
306-318	SHALE	586	TD		
311	WENT TO WATER				
311	GAS TEST- SLIGHT BLOW				
318-328	SAND				
328-353	SHALE				
353-374	LIME (OSWEGO)				
374-381	BLK SHALE (SUMMIT)				
381-382	LIME				
382-391	BLACK SHALE				
391-392	COAL (MULKY)				
392-394	LIME				

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## GEOLOGICAL REPORT

**Swayze, Catherine L. #31-1**  
775' FNL, 2715' FEL  
Section 31, T29S-R20E  
API# 15-133-27577-0000  
Nov. 3, 2011

**Operator:** Sandy Creek Petroleum, LLC  
1225 Eagle Landing Dr., Cookeville, TN 38506

**Drilling Contractor:** Thornton Air Rotary, Billy Thornton, driller

**Wellsite Geologist:** Michael L. Ebers, On location from 311' to T.D.

**Dates Drilled:** Set surface on 10/4/2011  
Drilled from 21' to T.D. on 10/5/2011

**Size Hole:** 6¾"      **Total Depth:** 586'

**Elevation:** 949'      **Drilling Fluid:** Compressed air with injected water

**Surface Casing:** 21.8' of 8 5/8" surface casing cemented with 4 sacks cement

**Electric Logs Run:** No logs were run

**Formation Tops:** Formation tops were picked from drill cuttings

Lenapah Limestone	149'	+800'
Altamont Limestone	162'	+787'
Pawnee Limestone	271'	+678'
Oswego Limestone	353'	+596'
Verdigris Limestone	496'	+453'
Bartlesville Sandstone	565'	+384'

**Rock Color Descr:** GSA Rock Color Chart

**Status:** Dry hole

**Gas Shows:** Well making an estimated 15 to 20 mcf/d at T.D.

**Oil Shows:** Light oil show @565-571'

**Water Encountered:** Brackish water @190-205'

**Cores:** No cores taken

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**FIELD AND LABORATORY SAMPLE EXAMINATION**

0-311'	Samples not examined
311-336'	Shale, medium gray to medium dark gray, locally sandy @325-330', light gray, no petroliferous odor
336-353'	Shale, medium dark gray, locally fissile
353-371'	Limestone, dark gray @top grading to olive gray, fine grained
371-379'	Shale, dark gray to black
379-387'	Limestone, olive gray, fine grained
387-391'	Shale, black, no coal
391-395'	Shale, medium gray, soft, clayey
395-411'	Shale, medium gray and medium dark gray, locally laminated with siltstone
411-436'	Siltstone, thinly laminated, micaceous, locally sandy, no petroliferous odor
436-448'	Shale, medium dark gray, fine silty
448-471'	Shale, medium dark gray
471-472'	Limestone, grayish black
472-475'	Shale, dark gray and grayish black
475-476'	Coal
476-495'	Shale, medium dark gray
495-497'	Limestone, dark olive gray
497-500'	Shale, black, coal at 500'
500-508'	Shale, medium dark gray
508-512'	Siltstone, light gray

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- 512-525' Shale, locally thin sandstone, no petroliferous odor
- 525-526' Coal and black shale
- 526-551' Shale, medium light gray, soft
- 551-564' Shale, laminated with siltstone, very faint petroliferous odor
- 564-565' Coal
- 565-566' Sandstone, dark gray, speckled, fine grained, silty and micaceous, poorly sorted, subrounded, 14 to 16% porosity, fine specks of black bitumen throughout, few scattered blebs of free oil on a few chips, faint petroliferous odor, very dull faintly speckled fluorescence; 50% siltstone, medium light gray
- 566-567' Sandstone, dark gray, speckled, fine grained, silty and micaceous, poorly sorted, subrounded, 14 to 16% porosity, fine specks of black bitumen throughout, few scattered blebs of free oil on a few chips, faint petroliferous odor, very dull faintly speckled fluorescence; 35% siltstone, medium light gray
- 567-569' Sandstone (65%), light brown, fine grained, very silty and micaceous, poorly sorted, tight, 4 to 6% porosity, locally dull fluorescence; sandstone (15%), medium brown, fine grained, silty and micaceous, fairly uniform oil staining, minor speckled black bitumen, 14 to 16% porosity, fairly uniform medium dull yellow fluorescence, scattered blebs of free oil, faint petroliferous odor; siltstone (20%), light gray
- 569-571' Sandstone, light brown, fine grained, silty and micaceous, poorly sorted, 4 to 6% porosity, thinly laminated with siltstone, light gray, overall 40% medium dull yellow fluorescence, no free oil
- 571-573' Siltstone, medium light gray, thinly laminated with sandstone, light gray, very fine grained, very silty, tight, no fluorescence, no petroliferous odor
- 573-586' Shale, medium dark gray
- 586' Total Depth

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Michael L. Ebers, PG, CPGS  
Petroleum Geologist