

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

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

API No. 15 - 133-27579-0000

Spot Description: \_\_\_\_\_  
NW NE NW NW Sec. 31 Twp. 29 S. R. 20  East  West  
165 Feet from  North /  South Line of Section  
750 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Neosho  
 Lease Name: McKee, Allan W. Well #: 31-1  
 Field Name: Hertha

Producing Formation: NA  
 Elevation: Ground: 957' Kelly Bushing: \_\_\_\_\_  
 Total Depth: 588' Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at: 21.70' 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 #: \_\_\_\_\_

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**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: 10/28/2011

**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: Dlg Date: 11/10/11

Operator Name: Sandy Creek Petroleum, LLC Lease Name: McKee, Allan W. 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input 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>145'</td> <td>+812'</td> </tr> <tr> <td>Altamont Limestone</td> <td>170'</td> <td>+787'</td> </tr> <tr> <td>Pawnee Limestone</td> <td>284'</td> <td>+673'</td> </tr> <tr> <td>Oswego Limestone</td> <td>365'</td> <td>+592'</td> </tr> <tr> <td>Bartlesville Sandstone</td> <td>567'</td> <td>+390'</td> </tr> </tbody> </table>	Name	Top	Datum	Lenapah Limestone	145'	+812'	Altamont Limestone	170'	+787'	Pawnee Limestone	284'	+673'	Oswego Limestone	365'	+592'	Bartlesville Sandstone	567'	+390'
Name	Top	Datum																	
Lenapah Limestone	145'	+812'																	
Altamont Limestone	170'	+787'																	
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Oswego Limestone	365'	+592'																	
Bartlesville Sandstone	567'	+390'																	

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"		21.7"	Type I	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

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TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
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	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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805163

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

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	Well # Allen-W 31-1 McKee lease		
2			
3	Run 1" to 588 used 3 bag's		
4	of gel Spotted 2 Barcell's of		
5	Cement on Bottom Pulled 1" up to		
6	200ft Filled well to top with Cement		
7	took 8 Barcell's		
8			
9	Pump Charge	500.00	
10	80 Vac @ 80.00 per hr	240.00	
11	Cement @ 10.00 per Sack	650.00	
12	Gel @ 20.00 per Sack	160.00	
13	Pulling unit @ 10.00 per hr	405.00	
14	Buck hoe @ 70.00 per hr	315.00	
15	Sale's Tax 8.5%	2,170.00	
16		184.45	
17		2,354.45	
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>10/3/2011</b>
Date Completed	<b>10/4/2011</b>

Well No.	Operator	Lease	A.P.I #	County	State
<b>31-1</b>	<b>Sandy Creek Petroleum</b>	<b>Mckee, Allen</b>	<b>133-27579-00-00</b>	<b>Neosho</b>	<b>Kansas</b>

1/4	1/4	1/4	Sec.	Twp.	Rge.
			<b>31</b>	<b>29</b>	<b>20 E</b>

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
<b>Billy</b>	<b>Oil</b>	<b>4</b>	<b>21.7' 8 5/8</b>	<b>588</b>	<b>6 3/4</b>

### Formation Record

0-4	DIRT	490-491	COAL		
4-15	LIME	491-516	SHALE		
15-74	SHALE	516-520	BLACK SHALE		
74-79	LIME	520-521	COAL		
79-88	BLK SHALE / DAMP	521-545	SHALE		
88-140	SHALE	545-546	COAL		
140-159	LMY SHALE	546-567	SHALE		
159-170	SHALE	567-568	SAND / LITE ODOR		
170-190	LIME	568	WENT TO WATER		
190-208	SHALE	568	CORE POINT		
208-226	SAND / DAMP	588	TD		
226-246	SANDY SHALE				
246-281	SHALE				
281-282	COAL				
282-284	SHALE				
284-308	LIME (PAWNEE)/ DAMP				
308-310	SHALE				
310-314	LIME				
314-322	BLK SHALE (LEXINGTON)				
322-358	SHALE				
358-359	COAL				
359-365	SHALE				
365-385	LIME (OSWEGO)				
385-394	BLK SHALE (SUMMIT)				
394-400	LIME				
400-404	BLACK SHALE				
404-405	COAL (MULKY)				
405-416	SANDY SHALE				
416-430	SAND				
430-490	SHALE				

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## GEOLOGICAL REPORT

**McKee, Allan W. #31-1**  
750' FWL, 165' FNL  
Section 31, T29S-R20E  
API# 15-133-27579-0000  
*October 24, 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 100' to T.D.

**Dates Drilled:** Set surface on 10/03/2011  
Drilled from 21' to T.D. on 10/04/2011

**Size Hole:** 6¾"      **Total Depth:** 588'

**Elevation:** 957'      **Drilling Fluid:** Compressed air with injected water

**Surface Casing:** 21.7' of 8 5/8" surface casing cemented to the surface with 4 sacks  
cement

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

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

Lenapah Limestone	145'	+812'
Altamont Limestone	170'	+787'
Pawnee Limestone	284'	+673'
Oswego Limestone	365'	+592'
Bartlesville Sandstone	567'	+390'

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

**Status:** Dry hole

**Gas Shows:** Well making an estimated 50 mcf/d at T.D.

**Oil Shows:** Bartlesville sandstone at 567-568' - light oil show

**Water Encountered:** Drilled dry to 568'

**Cores:** Cored from 568' to 588' (3" core) – core saved from 568 to 584'

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**FIELD AND LABORATORY SAMPLE EXAMINATION**

- 100-110' Shale, dark gray, locally medium gray, scattered graptolites
- 110-120' Shale, medium to medium dark gray
- 120-130' Shale, medium gray, fine silty, micaceous
- 130-140' Shale, medium gray, fine silty, micaceous, scattered black carbonaceous fossil fragments, pinpoint pyritic nodules & 20% limestone, light olive gray, fine grained
- 140-150' Siltstone, medium light gray, very fine grained, clayey & 50% limestone, light olive gray, fine grained, dense
- 150-160' Limestone, medium light gray, granular, medium fine grained
- 160-170' Shale, medium gray, clayey, & 30% limestone, medium brown, medium grained
- 170-180' Limestone, light brown, fine grained, massive
- 180-190' Limestone, light brown, medium grained, & 40% siltstone, light greenish gray
- 190-200' Shale, medium dark gray & siltstone, medium gray
- 200-210' Siltstone, medium light gray, laminated, carbonaceous plant fragments
- 210-220' Sandstone, medium light gray, speckled, subrounded, fairly well sorted, locally micaceous and glauconitic, estimated 16 to 18% porosity, no oil show, no petroliferous odor, no fluorescence
- 220-230' Shale, medium gray, locally silty
- 230-240' Siltstone, medium light gray, locally shaly
- 240-250' Shale, medium light gray, fine silty
- 250-260' Shale, medium gray
- 260-270' Siltstone, medium light gray, very fine grained
- 270-280' Shale, medium gray, locally fine silty

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- 280-290' Limestone, light olive gray, fine grained, scattered small vugs and granular birdseyes with oil staining, estimate 3 to 4% porosity, 15% bright yellow fluorescence
- 290-300' Limestone, tan, medium grained, locally granular with light oil staining, 1 to 2% porosity, 25% dull yellow fluorescence
- 300-310' Limestone, tan, medium grained
- 310-320' Shale, grayish black, scattered disseminated pyrite
- 320-330' Shale, medium dark and dark gray
- 330-340' Claystone, light gray and siltstone, light gray, pyritic
- 340-350' Same as above
- 350-360' Shale, medium gray
- 360-370' Limestone, light brown, medium grained
- 370-380' Limestone, tan, fine grained and 25% very fine granular/sugary porous zones with brown oil staining, 50% medium bright yellow fluorescence, very fine intergranular porosity, light petroliferous odor
- 380-390' Shale, medium gray and 20% limestone, tan
- 390-400' Limestone, tan, and shale, medium and medium dark gray
- 400-410' Shale, black & 20% limestone
- 410-420' Sandstone, medium grained, poorly sorted, abundant silty matrix, micaceous, tight, < 4% porosity, 65% whitish yellow fluorescence, no visible oil staining, light petroliferous odor, no oil show
- 420-430' Siltstone, medium gray, micaceous, locally sandy, no fluorescence
- 430-440' Siltstone, medium gray
- 440-450' Siltstone, medium gray, shaly
- 450-460' Shale, medium gray silty


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- 460-470' Shale, medium gray, fine silty
- 470-480' Shale, medium gray, clayey
- 480-490' Shale, dark gray, locally medium gray
- 490-500' Sandstone, medium light gray, fine grained, poorly sorted, very silty and micaceous, very tight, <2% porosity, 15% siltstone, minor limestone, shale, and coal
- 500-510' Shale, medium gray
- 510-520' Shale, grayish black
- 520-530' Shale, medium gray & 20% limestone, light olive gray
- 530-540' Shale, medium gray
- 540-550' Shale, grayish black & coal, 15% sandstone, medium light gray, tight
- 550-560' Siltstone, medium light gray, shaly
- 560-566' Siltstone, medium light gray, very fine grained, pinpoint brown phosphate? oolites, 30% shale, medium grained
- 566-568' Sandstone, medium light brown, fine grained, poorly sorted, very silty and micaceous, tight, <4% porosity, uniform light brown oil staining, light show of free oil, uniform medium dull yellow fluorescence & 50% siltstone, medium light gray
- 568-588' Cored (3" diameter core – 100% recovery)**
- 568-569.8' Sandstone, laminated medium light brown and medium brown, fine grained, subangular to subrounded, slightly silty and micaceous, euhedral quartz xls overgrowths, estimate 14 to 16% porosity, light petroliferous odor, no free oil, laminated speckled medium bright yellow and dully yellow fluorescence
- 569.8-570.0' Siltstone, thinly laminated, light gray with shale partings
- 570.0-571.3' Sandstone, as above
- 571.3-571.4' Siltstone, as above
- 571.4-571.9' Sandstone, as above

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- 571.9-572.0' Siltstone, thinly laminated with sandstone
- 572.0-573.0' Sandstone, as above
- 573.0-573.2' Siltstone, thinly laminated
- 573.2-573.4' Sandstone, as above
- 573.4-574.2' Siltstone, thinly laminated with sandstone and shale
- 574.2-576.1' Sandstone, as above, laminated with siltstone
- 576.1-578.6' Sandstone, laminated medium brown and medium dark brown, fine grained, subangular to subrounded, fair sorting, slightly silty, euhedral quartz xls overgrowths, medium dark brown laminations with heavy dark brown oil staining, petroliferous odor, no free oil laminated medium dull yellow and dull yellow fluorescence
- 578.6-579.6' Shale, medium gray, thinly laminated with siltstone
- 579.6-580.5' Shale, medium dark gray
- 580.5-588.0' Shale, medium gray with siltstone laminations
- 588.0' Bottom of core and T.D.**

  
Michael L. Ebers, PG, CPGS  
Petroleum Geologist

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