



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1092390  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- 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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx)      (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

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

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

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ 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 #: \_\_\_\_\_

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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1092390

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

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 <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	NUSSER 3
Doc ID	1092390

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	14.75	10.75	32.75	219	Class A	225	2% gel, 3% cc
Intermediate	9.875	8.625	24	912	Class A	100	2% gel, 3% cc
Production	7.875	5.5	15.5	5281	Poxmix	50	4% gel, 1/4# Celoflake
Production	7.875	5.5	15.5	5281	Class H	140	10% salt, 10% Gypseal, 6# Kolseal, 1/4# Celoflake, .8% fluid loss

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 30, 2012

DEAN PATTISSON  
Woolsey Operating Company, LLC  
125 N MARKET STE 1000  
WICHITA, KS 67202-1729

Re: ACO1  
API 15-007-23870-00-00  
NUSSER 3  
SW/4 Sec.11-35S-12W  
Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
DEAN PATTISSON

# ALLIED OIL & GAS SERVICES, LLC 054098

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Medicine Lodge KS

DATE <u>05/02/2012</u>	SEC. <u>11</u>	TWP. <u>35</u>	RANGE <u>12W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>800PM</u>
LEASE <u>Musser</u>	WELL# <u>3</u>	LOCATION <u>2 1/2 East of Hardtner KS,</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		Roundup Rd, 1/4 South, East into					

CONTRACTOR Duke #7  
 TYPE OF JOB Surface  
 HOLE SIZE 14 3/4 T.D. 220  
 CASING SIZE 10 3/4 DEPTH 220  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 250 MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. 15  
 PERFS.  
 DISPLACEMENT 19 3/4

OWNER Woolsey  
 CEMENT  
 AMOUNT ORDERED 225 sk Class A + 3% cct + 2% Gel

COMMON <u>Class A</u>	<u>225 sk @ 16.25</u>	<u>3,656.25</u>
POZMIX	@	
GEL	<u>5 sk @ 21.25</u>	<u>106.25</u>
CHLORIDE	<u>8 sk @ 58.20</u>	<u>465.60</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>238</u>	@ <u>2.25</u>	<u>535.50</u>
MILEAGE <u>238 x 22 x .11</u>		<u>575.96</u>
TOTAL		<u>5339.56</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Jason Thimesch  
 # 360/265 HELPER Brett Gains  
 BULK TRUCK  
 # 381/250 DRIVER Troy Lenz  
 BULK TRUCK  
 # DRIVER

**REMARKS:**

Did circ cement

Thank You

**SERVICE**

DEPTH OF JOB <u>220</u>		
PUMP TRUCK CHARGE		<u>1,125.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>22</u>	@ <u>7</u>	<u>154</u>
MANIFOLD	@	
<u>LV</u> <u>22</u>	@ <u>4</u>	<u>88</u>
	@	

TOTAL 1367

**PLUG & FLOAT EQUIPMENT**

	@	
	@	
	@	
	@	
	@	

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 6706.56

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

CHARGE TO: Woolsey  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**WELL FILE**

Regulatory Correspondence  
 (Drig) Comp Workovers  
 Tests / Meters Operations

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Donald Boyd

SIGNATURE Donald Boyd

MAY 18 2012

# ALLIED CEMENTING CO., LLC. 038056

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Medicine Lodge, KS*

DATE <u>05-01-12</u>	SEC. <u>11</u>	TWP. <u>35s</u>	RANGE <u>12w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Nusser</u>	WELL # <u>3</u>		LOCATION			COUNTY <u>Burke</u>	STATE <u>KS</u>
<input checked="" type="radio"/> OLD OR <input type="radio"/> NEW (Circle one)							

CONTRACTOR Duke #7  
 TYPE OF JOB Surface / orange Peel Intermediate  
 HOLE SIZE 9 3/4 T.D. 915  
 CASING SIZE 8 3/4 DEPTH 914  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 600 lb MINIMUM —  
 MEAS. LINE SHOE JOINT 41  
 CEMENT LEFT IN CSG. 41'  
 PERFS.  
 DISPLACEMENT 55K Bbls Fresh H<sub>2</sub>O

OWNER Woolsey Oper.  
 CEMENT  
 AMOUNT ORDERED 1005x Class A + 3% cc + 2% gel  
 COMMON Class A 100sf @ 16.25  
 POZMIX @  
 GEL 2sf @ 42.50  
 CHLORIDE 4sf @ 252.00  
 ASC @

EQUIPMENT

PUMP TRUCK CEMENTER D. Felix  
 # 471-302 HELPER D. Gibbons  
 BULK TRUCK  
 # 364 DRIVER T. Lenz  
 BULK TRUCK  
 # DRIVER

HANDLING 106 @ min. 344.00  
 MILEAGE 22 @ 11.106 256.52  
 TOTAL 2500.82

REMARKS:  
Pipe on BTTM, Pump Pipe Capacity, Mud Gm.  
mix 100sf A+3% cement, Stop,  
Release Plug, Start Disp w/ Fresh H<sub>2</sub>O,  
Wash upon Plug, See no increase in PSI  
Slow Rate, See some increase, Slow  
again, Bump Plug at 55K Bbls total Disp.  
Release PSI, Float held, Cement Did  
Not Cure.

SERVICE

DEPTH OF JOB 914  
 PUMP TRUCK CHARGE 1125.00  
 EXTRA FOOTAGE 614 @ .95 610.95  
 MILEAGE 22 @ 154.00  
 MANIFOLD/head Rental 200.00  
 Light/Vehicle 22 @ 88.00

CHARGE TO: Woolsey Oper.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 2177.91

WELL FILE

Regulatory Correspondence  
 Drilling Comp Workovers  
 Tests / Meters Operations

**PLUG & FLOAT EQUIPMENT**

1-TRP @ 112.00  
1-AFV in sent @ 382.00  
 @  
 @  
 @  
 @  
 TOTAL 494.00

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 5495.64  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME Donald Boyd  
 SIGNATURE Donald Boyd

MAY 18 2012

# ALLIED CEMENTING CO., LLC. 037972

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Medicine Lodge, KS  
5-13 5-13

DATE <u>5-12-2012</u>	SEC. <u>11</u>	TWP. <u>35S</u>	RANGE <u>12W</u>	CALLED OUT	ON LOCATION <u>8:30pm</u>	JOB START <u>3:30pm</u>	JOB FINISH <u>4:30am</u>
LEASE <u>MUSSER</u>	WELL # <u>3</u>	LOCATION <u>Heratner, KS 2 east</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)				<u>1/4 south, east into</u>			

CONTRACTOR Duke #7  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8 T.D. 5566'  
 CASING SIZE 5 1/2 15.5# DEPTH 5281'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 42'  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 128 bbls of fresh water

OWNER Woolsey Operating  
 CEMENT  
 AMOUNT ORDERED 90sk 60' 40' 40' 60'  
140sk Class A + 10% Gyp + 10% Sp +  
6# Kolses + .8% FL160 + 1/4 # Floseel  
159sk Clepro  
 COMMON Class A 140sk @ 19.25 2695.00  
 POZMIX 36sk @ 8.50 306.00  
 GEL 3sk @ 21.25 63.75  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 Class A 54sk @ 16.25 877.50  
 Gyp 13sk @ 34.20 444.60  
 Sp + 15sk @ 23.95 359.25  
 Kolses 840# @ 0.89 747.60  
 FL160 105# @ 17.20 1806.00  
 Floseel 35# @ 2.70 94.50  
 Clepro 159sk @ 31.25 468.75  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING 282 @ 2.25 634.50  
 MILEAGE 282/11/22 682.44  
 TOTAL 9,179.89

EQUIPMENT

PUMP TRUCK CEMENTER Darin F.  
 # 546-545 HELPER Eddie P.  
 BULK TRUCK  
 # 471-252 DRIVER Bronson  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:  
Pipe on bottom & break circulation  
mix 25sk for Ret hole, mix 15sk for  
mouse hole, mix 80sk of sequence cement  
mix 140sk of tail cement, shut down  
Wash pump & lines Release plug Start  
displacement, lot pressure 9L 90 bbls  
slow rate to 30pm 9L 115 bbls, bump  
plug 9L 128 bbls, 800-1000 psi, plug & hold

CHARGE TO: Woolsey Operating  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB 5281'  
 PUMP TRUCK CHARGE 2695.00  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 22 @ 7.00 154.00  
 MANIFOLD Hess rental @ 200.00  
 Light vehicle 22 @ 4.00 88.00  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL 3137.00

PLUG & FLOAT EQUIPMENT

5 1/2  
 1- AFU Float Shoe @ 349.00  
 1- Latch Down Plug @ 277.00  
 12- Turbolizers @ 80.00 960.00  
 20- Scratchers @ 76.00 1520.00  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL 3106.00

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 15,422.89  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

**WELL FILE**  
 Regulatory Correspondence  
 Drg / Comp Workovers  
 Tests / Meters Operations

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X MIKE TAMP

SIGNATURE X Mike Tamp  
Thank you!!!

Net 8/12, 338.31

# ALLIED OIL & GAS SERVICES, LLC 053803

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Hardtner KS

DATE <u>05/16/2012</u>	SEC. <u>11</u>	TWP. <u>35</u>	RANGE <u>12w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>3:00 PM</u>
LEASE <u>NILSSER</u>	WELL# <u>3</u>	LOCATION <u>Hardtner KS, East on 281, North</u>				COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>			On <u>                    </u> , East into <u>                    </u>				

CONTRACTOR \_\_\_\_\_ OWNER Woolsey

TYPE OF JOB Squeeze 10 3/4 to 8 7/8

HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 400 \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

CEMENT

AMOUNT ORDERED 100sx Class A + 3% cc + 2% Gel

COMMON <del>#00</del> Class A 100sx @	16.25	1625
POZMIX @		
GEL 2sx @	21.25	42.50
CHLORIDE 4sx @	58.20	232.80
ASC @		
@		
@		
@		
@		
@		
@		
@		
HANDLING 106sx @	2.25	238.50
MILEAGE 106 x 25 x .11		291.50
<b>TOTAL</b>		<b>2430.30</b>

**EQUIPMENT**

PUMP TRUCK CEMENTER Jason Thimesch

# 471/302 HELPER Derek Gibbons

BULK TRUCK

# 264 DRIVER Brandon Boor

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS: \_\_\_\_\_

**WELL FILE**

Regulatory Correspondence \_\_\_\_\_

Drift / Comp Workovers \_\_\_\_\_

Tests / Meters Operations \_\_\_\_\_

CHARGE TO: Woolsey

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB \_\_\_\_\_ 1050

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 25 @ 7 175

MANIFOLD @ \_\_\_\_\_

LV 25 @ 4 100

**TOTAL 1325**

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

**TOTAL \_\_\_\_\_**

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 3755.30

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME MIKE THARP

SIGNATURE Mike Tharp

JUN - 1 2012



# Woolsey Operating Company, LLC

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

**Well Name:** Nusser #3  
**Location:** NW NE SW  
**License Number:** APL 45-507-22870-00-00  
**Spud Date:** May 3, 2012  
**Surface Coordinates:** 1215' FSL, 2080' FWL Section 11-Twp 35 South - Rge 12 West  
**Bottom Hole Coordinates:** Vertical Hole  
**Ground Elevation (ft):** 1381  
**Logged Interval (ft):** 4600 To: 5560  
**Total Depth (ft):** 1394  
**Formation:** McLish Sand  
**Type of Drilling Fluid:** Chemical Mud, Displace at 3402'  
**Region:** Barber County, Kansas  
**Completed:** May 12, 2012  
 Printed by MUDLOG from WellSight Systems 1-800-447-1534 www.WellSight.com

**Company:** Woolsey Operating Company, LLC  
**Address:** 125 N. Market, Suite 1000  
 Wichita, KS 67202

**Name:** W. Scott Alberg  
**Company:** Alberg Petroleum, LLC  
**Address:** 609 Meadowlark Lane  
 Pratt, Kansas 67124

FORMATION TOPS		
SAMPLE TOPS	LOG TOPS	
HUSHPUCKEY SHALE	4563-3169	4570-3175
BKC	4610-3216	4618-3221
PAWNEE	4712-3319	4715-3321
CHEROKEE GROUP	4783-3364	4780-3366
CHEROKEE SAND	4792-3368	4796-3402
MISSISSIPPIAN	4804-3410	4813-3419
KINDERHOOK SHALE	5080-3688	5081-3387
WOODFORD SHALE	5153-3759	5156-3762
WOLA	5196-3802	5203-3839
SIMPSON GROUP	5330-3939	5334-3940
SIMPSON WILCOX	5349-3955	5357-3963
MCLISH SHALE	5430-4039	5436-4042
MCLISH SAND	5533-4141	5542-4146
RTD		
LTD	5560-4169	5566-4172

**COMMENTS**  
 Surface Casing: Set 5 joints 10 3/4" x 32# at 219' (tally 203.87') with 225 sxcs Class A, 2% gel, 3% cc, plug down at 8:00 pm, May 3, 2012. Cement did Circulate. Ran 21 joints 24# 8 5/8" casing, set at 912' (tally 897.67') with 100 sks Class A, 2% gel, 3% cc, plug down at 7:15 am May 5, 2012.  
 Production Casing: Ran 5 1/2".  
 Deviation Surveys: 1/4 - 220', 1/4 - 521', 1/2 - 1021, 1/2 - 1522, 1/4 - 1991', 1/4 - 2596', 1/4 - 2996, 1/2 - 3528', 3/4 - 3996', 1/4 4600', 1 1/2 - 4814', 1/4 - 4814', 1/4 - 5002', 1/4 - 5316'.  
 Contractor Bit Record: 1 - 14 3/4" out at 220'  
 2 - 7 7/8" PDC out at 912'  
 3 - 9 7/8" out at 915'  
 4 - Bit #2 back in at 915', out at 4600'  
 5 - 7 7/8" out at 5432'.  
 6 - 7 7/8" out at 5560'

**DSTs**  
 None Ran

**CREWS**  
 Duke Drilling Rig #  
 Tool Pusher - Galen Roach  
 Drillers - Days - Shane Meitler  
 Evening - Chales Stout  
 Motning - Craig Mertens

**ROCK TYPES**

Anhy	Congl	Lmst	Black sh
Bent	Sdy dolo	Mrlst	Gry sh
Brec	Sly dol	Salt	Shale
Chl	Gyp	Shst	Slystst
Clyst	Sdy Lmst	Ss	Slysh
Coal			

**ACCESSORIES**

Chlorite	Selec	Grysh
Dol	Pellet	Gryslt
Sand	Pisolite	Lms
Sily	Plant	Sandy lms
	Strom	Sh
	Fuss	Sitstn
	Oomoldic	
	STRINGER	
	Anhy	
	Arg	
	Bent	
	Coal	
	Dol	
	Gyp	
	Ls	
	Mrlst	
	Sltstrg	
	Carbsh	
	Clystn	
	Dol	

**MINERAL**

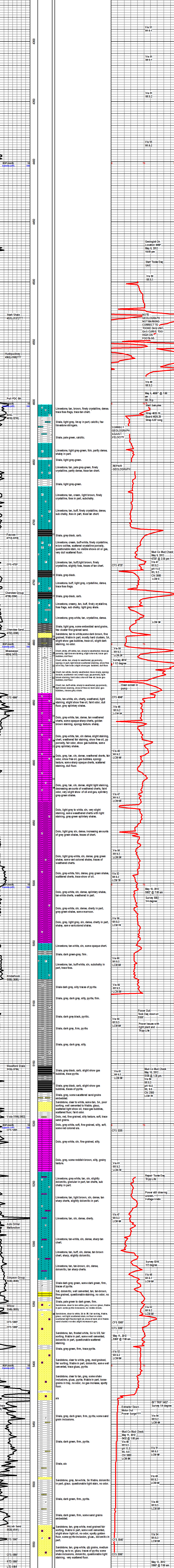
Anhy
Arg
Bent
Bit
Brecfrag
Calc
Carb
Chdkt
Chlt
Dol
Ferrel
Ferr
Glaup
Marl
Nodule
Phos
Pyr
Salt
Sand
Silt

**FOSSIL**

Algae
Amph
Belm
Bioclst
Brach
Bryozoa
Cephal
Coral
Crin
Echin
Fish
Foram
Fossil
Gastro
Oolite
Ostra

**TEXTURE**

Blocky
Chalky
Cryxln
Earthy
Finexln
Grainst
Lithogr
Microxln
Mudst
Packet
Wackest



May 12, 2012 5:50 @ 7:00 am