

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL 11/05/11

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**CONFIDENTIAL**

Operator: License # 30606  
 Name: Murfin Drilling Company, Inc.  
 Address: 250 N. Water, Suite 300  
 City/State/Zip: Wichita, Kansas 67202  
 Purchaser: None  
 Operator Contact Person: Leon Rodak  
 Phone: (316) 267-3241  
 Contractor: Name: Murfin Drilling Company, Inc.  
 License: 30606  
 Wellsite Geologist: Tom Funk NOV 05 2009  
 Designate Type of Completion: KCC  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_  

<u>07/30/09</u>	<u>08/06/09</u>	<u>08/06/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

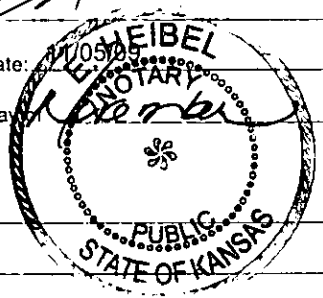
API No. 15 - 109-20851-0000  
 County: Decatur LOGAN  
 NE SW NW NE Sec. 31 Twp. 12 S. R. 32  East  West  
700 FNL feet from S N (circle one) Line of Section  
2150 FEL feet from E W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: M & M Kuhlman Well #: 1-31  
 Field Name: Unknown  
 Producing Formation: None  
 Elevation: Ground: 3076 Kelly Bushing: 3086  
 Total Depth: 4730 Plug Back Total Depth: None  
 Amount of Surface Pipe Set and Cemented at 213 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/ \_\_\_\_\_ feet sx cmt.

**Drilling Fluid Management Plan** PA NS 11-23-09  
 (Data must be collected from the Reser)  
 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: Leon Rodak, VP Production Date: 11/05/09  
 Subscribed and sworn to before me this 5<sup>th</sup> day of November  
2009  
 Notary Public: \_\_\_\_\_  
 Date Commission Expires: 4/11/2011



**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received (e-mailed per spec.)  
 Geologist Report Received **RECEIVED**  
 UIC Distribution **NOV 06 2009**

**KCC WICHITA**

Operator Name: Murfin Drilling Company, Inc. Lease Name: M & M Kuhlman Well #: 1-31  
 Sec. 31 Twp. 12 S. R. 32  East  West County: Decatur LOGAN

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving intervals 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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SEE ATTACHED LIST		
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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E-mailed Electronically:  
 Dual Induction, Compensated Porosity, NOV 05 2009  
 Microresistivity

KCC

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	23#	213	Common	165	3% cc, 2% gel

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 (Amount and Kind of Material Used)	Depth

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TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumard Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input 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
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Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease       Open Hole    Perf.    Dually Comp.    Commingled \_\_\_\_\_

(If vented, Submit ACO-18.)       Other (Specify) \_\_\_\_\_

	M&M Kuhlman #1-31 700' FNL 2150' FEL Sec. 31-T12S-R32W 3086' KB						Munk #1-30 330' FSL 2290' FEL Sec. 30-T12S-R32W 3071' KB	
Formation	sample tops	Datum	Ref	Log Tops	Datum	Ref	Log Tops	Datum
Anhydrite	2562	+524	+17	2566	+520	+13	2564	+507
B/Anhydrite	2590	+496	+11	2588	+498	+13	2586	+485
Topeka	3810	-724	+4	3796	-710	+18	3799	-728
Heebner	4021	-935	+4	4020	-934	+5	4010	-939
Lansing	4062	-976	+3	4059	-973	+6	4050	-979
Mun Crk	4212	-1126	+4	4210	-1124	+6	4201	-1130
Stark	4292	-1206	+4	4290	-1204	+6	4281	-1210
Up Pawnee	4489	-1403	+4	4487	-1401	+6	4478	-1407
Fort Scott	4544	-1458	+7	4542	-1456	+9	4536	-1465
Cherokee	4572	-1486	+7	4572	-1486	+10	4567	-1496
Johnson	4615	-1529	+6	4617	-1531	+4	4606	-1535
B Penn Lm				4640	-1554	+12	4637	-1566
Mississippi	4665	-1579	+10	4660	-1574	+15	4660	-1589
RTD	4730						4735	
LTD				4728			4740	

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KCC WICHITA



24 S. Lincoln Street  
P.O. Box 31  
Russell, KS 67665-2906  
Voice: (785) 483-3887  
Fax: (785) 483-5566

*Aug.*  
*rect. fig.*

# INVOICE

Invoice Number: 119541  
Invoice Date: Jul 30, 2009  
Page: 1

**Bill To:**  
Murfin Drig. Co., Inc.  
250 N. Water  
STE #300  
Wichita, KS 67202

*PRON ready*

*operator pay*

<b>Customer ID</b>	<b>Well Name/# or Customer P.O.</b>	<b>Payment Terms</b>	
Murfin	M&M Kuhlman #1-31	Net 30 Days	
<b>Job Location</b>	<b>Camp Location</b>	<b>Service Date</b>	<b>Due Date</b>
KS1-01	Oakley	Jul 30, 2009	8/29/09

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	15.45	2,549.25
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
174.00	SER	Handling	2.40	417.60
1.00	SER	Handling Mileage Charge	312.00	312.00
1.00	SER	Surface	1,018.00	1,018.00
15.00	SER	Pump Truck Mileage	7.00	105.00

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Account	Unit Rig	W L	No.	Amount	Description
<i>05600</i>	<i>014</i>	<i>20</i>	<i>3494</i>	<i>4999.98</i>	<i>Cement S. Dr.</i>
				<i>(1684.71)</i>	

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ *1684.71*

ONLY IF PAID ON OR BEFORE

Aug 29, 2009

Subtotal	4,813.45
Sales Tax	186.53
Total Invoice Amount	4,999.98
Payment/Credit Applied	
<b>TOTAL</b>	<b>4,999.98</b>

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*1684.71*  
*3315.27*

# ALLIED CEMENTING CO., LLC. 043689

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

CE POINT:  
Oakley

DATE <u>7-30-09</u>	SEC. <u>31</u>	TWP. <u>12S</u>	RANGE <u>32W</u>	CALLED OUT	ON LOCATION <u>6:30pm</u>	JOB START <u>10:00pm</u>	JOB FINISH <u>10:30pm</u>
LEASE <u>Zuhlman</u>	WELL# <u>1-31</u>	LOCATION <u>Oakley 11s. 3w-1n</u>			COUNTY <u>Logan</u>	STATE <u>K3</u>	
OLD OR <u>NEW</u> (Circle one)				<u>win</u>			

CONTRACTOR Morfin #14 OWNER \_\_\_\_\_

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 216'

CASING SIZE 8 1/2 DEPTH 216'

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

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

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

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

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

CEMENT LEFT IN CSG. 15'

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

DISPLACEMENT 12.8

CEMENT AMOUNT ORDERED 165 com 390

CC 290 gel

COMMON	<u>165</u>	@ <u>15.45</u>	<u>2549.25</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>20.00</u>	<u>62.00</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>174</u>	@ <u>2.40</u>	<u>417.60</u>
MILEAGE	<u>104.5</u>	@ <u>3.00</u>	<u>313.50</u>
TOTAL			<u>3090.45</u>

EQUIPMENT

PUMP TRUCK CEMENTER Fuzz4

# 431 HELPER Kelly

BULK TRUCK

# 377 DRIVER Alan

BULK TRUCK

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

REMARKS: cement did circulate

CONFIDENTIAL NOV 05 2009

CHARGE TO: Morfin Dils

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB 216'

PUMP TRUCK CHARGE 1018.00

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

MILEAGE 15 @ 7.00 105.00

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

TOTAL 1123.00

PLUG & FLOAT EQUIPMENT

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

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

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

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

TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC. I have 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 Greg Unruh

SIGNATURE Greg Unruh

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

TOTAL CHARGES \_\_\_\_\_

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

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KCC WICHITA



24 S. Lincoln Street  
P.O. Box 31  
Russell, KS 67665-2906  
Voice: (785) 483-3887  
Fax: (785) 483-5566

*acct  
fiz*  
**INVOICE**

Invoice Number: 119582

Invoice Date: Aug 6, 2009

Page: 1

**Bill To:**  
Murfin Drg. Co., Inc.  
250 N. Water  
STE #300  
Wichita, KS 67202

PROD COPY

<b>Customer ID</b>	<b>Well Name# or Customer P.O.</b>	<b>Payment Terms</b>	
Murfin	M&M Kurlman #1-31	Net 30 Days	
<b>Job Location</b>	<b>Camp Location</b>	<b>Service Date</b>	<b>Due Date</b>
KS1-03	Oakley	Aug 6, 2009	9/5/09

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	15.45	2,039.40
88.00	MAT	Pozmix	8.00	704.00
8.00	MAT	Gel	20.80	166.40
55.00	MAT	Flo Seal	2.50	137.50
230.00	SER	Handling	2.40	552.00
15.00	SER	Mileage 230 sx @ .10 per sk permi	23.00	345.00
1.00	SER	Plug to Abandon	1,185.00	1,185.00
15.00	SER	Pump Truck Mileage	7.00	105.00
1.00	EQP	Dry Hole Plug	40.00	40.00

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Account	Unit	W			Description
03600	014	01	3494	5606.58	P1A
				(1846.00)	

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1846.00

ONLY IF PAID ON OR BEFORE

Sep 5, 2009

Subtotal	5,274.30
Sales Tax	332.28
Total Invoice Amount	5,606.58
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,606.58</b>

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KCC WICHITA

1846.00  
3760.58

# ALLIED CEMENTING CO., LLC. 044122

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

SERVICE POINT: Oakley, KS

DATE <u>8/6/09</u>	SEC. <u>31</u>	TWP. <u>12</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>7:15 pm</u>	JOB START <u>9:00 pm</u>	JOB FINISH <u>10:00 pm</u>
LEASE <u>Mur Kuhlman</u>	WELL # <u>1-31</u>	LOCATION <u>Oakley, 115 3W1N E-5 into</u>			COUNTY <u>Logan</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Mur K 14 OWNER Same  
 TYPE OF JOB PTA  
 HOLE SIZE 7 7/8 T.D.  
 CASING SIZE 8 5/8 DEPTH 216'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

COMMON	<u>132 SK</u>	@ <u>15.45</u>	<u>2039.40</u>
POZMIX	<u>88</u>	@ <u>8.00</u>	<u>704.00</u>
GEL	<u>8</u>	@ <u>20.00</u>	<u>166.40</u>
CHLORIDE		@	
ASC		@	
<u>Flo Seal</u>	<u>55 lb</u>	@ <u>2.00</u>	<u>110.00</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>230 SK</u>	@ <u>2.40</u>	<u>552.00</u>
MILEAGE	<u>10 SK/mile</u>	@	<u>345.00</u>
			TOTAL <u>3944.40</u>

REMARKS: CONFIDENTIAL  
25 SK - 2570'  
100 SK - 1640' NOV 05 2009  
40 SK - 260'  
10 SK - 40' RCG  
30 SK - RH  
15 SK - MH

Thank You  
Alan, Wayne, CIF

CHARGE TO: Mur Kin Drilling Co  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB	<u>2570'</u>		
PUMP TRUCK CHARGE			<u>1185.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>15</u>	@ <u>7.00</u>	<u>105.00</u>
MANIFOLD	@		
	@		
	@		
			TOTAL <u>1290.00</u>

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Plug - Dry Hole</u>	@	<u>40.00</u>
	@	
	@	
	@	
	@	
		TOTAL <u>40.00</u>

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 GREG WACHS  
 SIGNATURE GREG WACHS

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

RECEIVED  
 NOV 06 2009  
 KCC WICHITA