

Kansas Corporation Commission Oil & Gas Conservation Division

1063587

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
ENHR Permit #:	County: Permit #:
GSW Permit #:	. 5
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

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: Date:

Side Two



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	osed, flowing and shu es if gas to surface te	d base of formations per t-in pressures, whether s st, along with final chart(well site report.	shut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No		og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geo	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
			_	ew Used			
Durnous of String	Size Hole	Report all strings set-	conductor, surface, int	ermediate, producti Setting	on, etc. Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITIONAL	CEMENTING / SQI	IEEZE DECODO			
Purpose:	Depth			JEEZE RECORD	Time and F	Doroont Additivoo	
Perforate	Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Shots Per Foot	PERFORATION Specify I	ON RECORD - Bridge Plug Footage of Each Interval Per	gs Set/Type		cture, Shot, Cement		l Depth
	Зреспу і	Octage of Lacri Interval Fer	lorateu	(Al	TIOUTIL ATTU KITIU OF WIE	iteriai Oseu)	Бериі
TUDING DECORD.	Si=a.	Cot Atı	Packer At:	Liner Dun			
TUBING RECORD:	Size:	Set At:	Packer At.	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Met		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf War	er Bl	bls. (Gas-Oil Ratio	Gravity
	ON OF GAS:		METHOD OF COMPL		amin ala -l	PRODUCTIO	N INTERVAL:
Vented Solo		Open Hole	Perf. Dually (Submit		nmingled mit ACO-4)		
(ii ventea, Sui	bmit ACO-18.)	Other (Specify)			l —		

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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

September 19, 2011

Leon Rodak Murfin Drilling Co., Inc. 250 N WATER STE 300 WICHITA, KS 67202-1216

Re: ACO1 API 15-203-20164-00-00 Graff 1-1 SE/4 Sec.01-20S-35W Wichita 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.

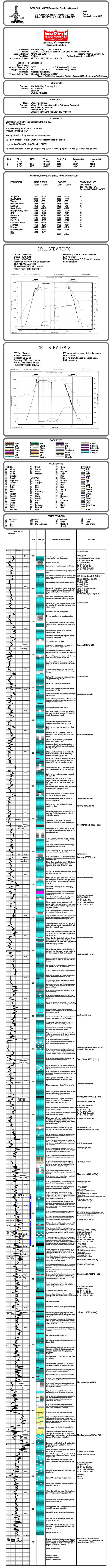
Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Leon Rodak

MDCI Graff #1-1 2200' FSL 2200' FEL Sec. 1-T20S-R35W 3146' KB

MDCI Minnix #1-7 900' FNL 335' FWL Sec. 7-T20S-R34W 3140' KB

Formation	Sample Top	Datum	Ref	Log tops	Datum	Ref	Log Top	Datum
Anhydrite	2327	+819	-10	2325	+821	-8	2311	+829
B/Anhydrite	2340	+806	-6	2338	+808	-4	2328	+812
Topeka	3735	-589	-1	3736	-590	-2	3728	-588
Heebner	4009	-863	-4	4006	-860	-1	3999	-859
Lansing	4059	-913	-4	4058	-912	-3	4049	-909
Stark	4360?	-1214	+5	4366	-1220	-1	4359	-1219
BKC	4468	-1322	-3	4468	-1322	-3	4459	-1319
Pawnee	4626	-1480	-6	4628	-1482	-8	4614	-1474
Ft. Scott	4665	-1519	-4	4666	-1520	-5	4655	-1515
Johnson							4738	-1598
Mississippi				4937	-1791	-3	4928	-1788
RTD	5090						5080	
LTD				5090			5082	





Murfin Drilling Co., Inc.

Graff #1-1

250 N. Water

S1-20s-35w Wichita

Suite 300 Wichita, KS 67202

Job Ticket: 43667 DST#: 1

ATTN: Wes Hansen

Test Start: 2011.08.24 @ 23:53:00

GENERAL INFORMATION:

Formation: Marmaton

Deviated: Whipstock: Test Type: Conventional Bottom Hole No ft (KB)

Time Tool Opened: 02:35:30 Tester: Chuck Smith 37

Time Test Ended: 08:46:49 Unit No:

4571.00 ft (KB) To 4611.00 ft (KB) (TVD) Reference Elevations: 3146.00 ft (KB) Interval:

Total Depth: 4611.00 ft (KB) (TVD) 3135.00 ft (CF)

7.88 inches Hole Condition: Good Hole Diameter: KB to GR/CF: 11.00 ft

Serial #: 8018 Inside

Press@RunDepth: 4575.00 ft (KB) 570.68 psig @ Capacity: 8000.00 psig

Start Date: 2011.08.24 End Date: 2011.08.25 Last Calib.: 2011.08.25 Start Time: 23:53:02 End Time: 08:46:49 Time On Btm: 2011.08.25 @ 02:34:10

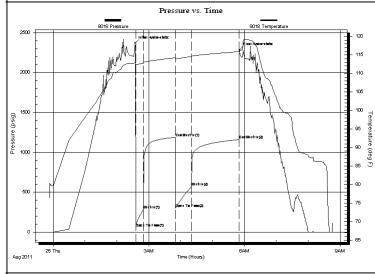
2011.08.25 @ 05:51:09 Time Off Btm:

TEST COMMENT: IF: B.O.B. @ 4 min.

ISI: No return.

FF: B.O.B. @ 4 1/2 min.

FSI: No return.



PRESSURE SUMMARY

	I KESSOKE SOMMAKI						
	Time	Pressure	Temp	Annotation			
	(Min.)	(psig)	(deg F)				
	0	2367.27	113.06	Initial Hydro-static			
	2	60.06	111.76	Open To Flow (1)			
	17	286.05	112.80	Shut-In(1)			
	76	1189.01	114.25	End Shut-In(1)			
	77	300.29	113.76	Open To Flow (2)			
	107	570.68	114.57	Shut-In(2)			
	196	1160.61	115.90	End Shut-In(2)			
,	197	2283.28	116.21	Final Hydro-static			

Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW:.150 @ 60 Degrees F = 57000 PF	PN0.00
1054.00	W 100w	12.62
102.00	MW 40m 60w Oil spots	1.43
-		

Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 43667 Printed: 2011.08.25 @ 10:54:25 Page 1



FLUID SUMMARY

Murfin Drilling Co., Inc.

Graff #1-1

S1-20s-35w Wichita

250 N. Water Suite 300

Job Ticket: 43667

DST#: 1

Wichita, KS 67202

ATTN: Wes Hansen

Test Start: 2011.08.24 @ 23:53:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: 0 deg API

Mud Weight: Cushion Length: 9.00 lb/gal Water Salinity: 57000 ppm ft

Viscosity: 64.00 sec/qt Cushion Volume: bbl

Water Loss: $8.77 in^3$ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

4500.00 ppm Salinity: Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	RW:.150 @ 60 Degrees F = 57000 PPM	0.000
1054.00	W 100w	12.617
102.00	MW 40m 60w Oil spots	1.431

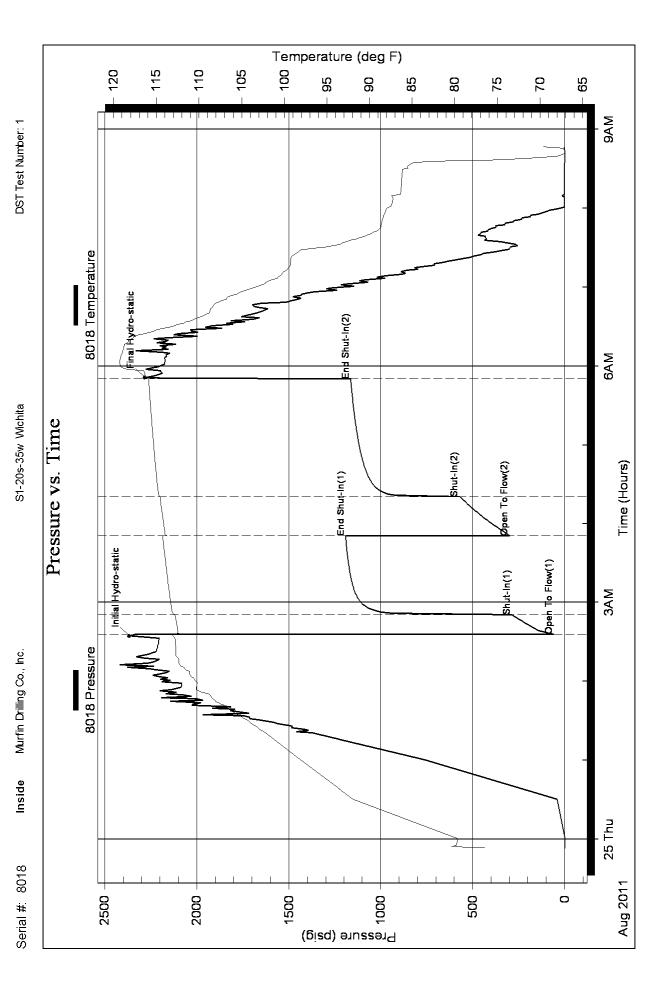
Total Length: 1156.00 ft Total Volume: 14.048 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Location: Laboratory Name:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 43667 Printed: 2011.08.25 @ 10:54:25 Page 2



Printed: 2011.08.25 @ 10:54:26 Page 3 43667 Ref. No: Trilobite Testing, Inc



Murfin Drilling Co., Inc.

Graff #1-1

250 N. Water

S1-20s-35w Wichita

Suite 300 Wichita, KS 67202

Job Ticket: 43667 DST#: 1

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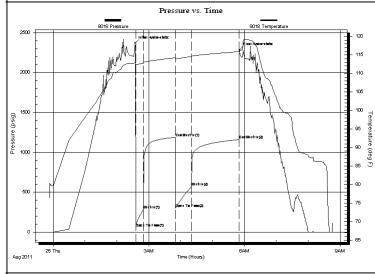
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,	197	2283.28	116.21	Final Hydro-static			

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Length (ft)	Description	Volume (bbl)
0.00	RW:.150 @ 60 Degrees F = 57000 PF	PN0.00
1054.00	W 100w	12.62
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-		

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Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 43667 Printed: 2011.08.25 @ 10:54:25 Page 1



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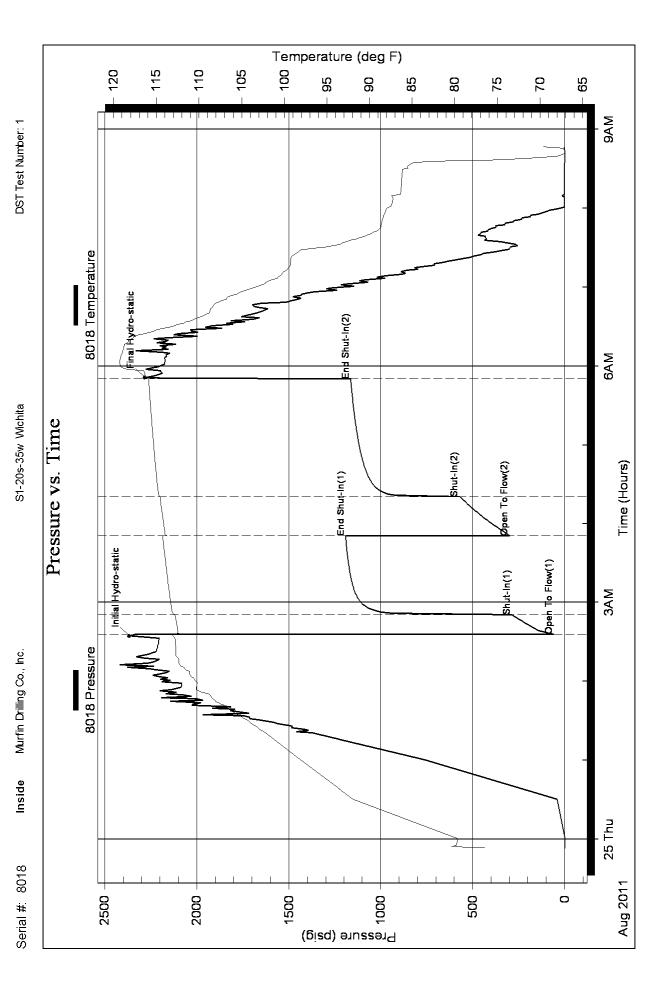
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Trilobite Testing, Inc Ref. No: 43667 Printed: 2011.08.25 @ 10:54:25 Page 2



Printed: 2011.08.25 @ 10:54:26 Page 3 43667 Ref. No: Trilobite Testing, Inc



PO BOX 31 Russell, KS 67665

acet.

INVOICE Six

Invoice Number: 17

Invoice Date: Aug 20, 2011

Page: 1

Voice: Fax:

(785) 483-3887 (785) 483-5566

Bill To:

Murfin Drlg. Co., Inc. 250 N. Water STE #300

Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

GustomerID	Well Name/# or Customer P.O.	Paymen	t Terms
Murfin	Graff #1-1	Net 30	Days
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Aug 20, 2011	9/19/11

Quantity	Item	Description	Unit Price	Amount
	MAT	Class A Common	16.25	2,681.25
6.00	MAT	Chloride	58.20	349.20
171.00	SER	Handling	2.25	384.75
65.00	SER	Mileage 171 sx @.11 per sk per mi	18.81	1,222.65
1.00	SER	Surface	1,125.00	1,125.00
130.00	SER	Pump Truck Mileage	7.00	910.00
1.00	SER	Manifold & Head Rental	200.00	200.00
130.00	SER	Light Vehicle Mileage	4.00	520.00
1.00	EQP	8.5/8 Wooden Plug	92.00	92.00
1.00	CEMENTER	Alan Ryan		
1.00	EQUIP OPER	Wayne McGhghy		
1.00	OPER ASSIST	Earl Rebarchek		
		AK NA		
		(1 N)		
		0.11-1-1		7 404 05

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

2618.70

ONLY IF PAID ON OR BEFORE Sep 14, 2011

7,484.85 Subtotal Sales Tax 259.16 **Total Invoice Amount** 7,744.01 Payment/Credit Applied TOTAL 7,744.01

ALLIED CEMENTING CO., LLC. 040017 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31		· · SERVICE POI	₹T:
RUSSELL, KANSAS 67665			O. Klanks
SEC TWP RANGE	ALLED OUT ON LO	CATION JOB STAF	01-
DATE 9/20[]		COLINIZA	JOB FINISH STATE
OLD OR NEW (Circle one) LEASE C. TAFF WELL# - LOCATION S. COTTO		L wichi	to ICs
	mino		
CONTRACTOR Murfin 22	OWNER Sen	<u> </u>	
TYPE OF JOB Surface HOLE SIZE 12-14 T.D. 22.5	CEMENT	_	
HOLE SIZE 13-19 T.D. 23-5, CASING SIZE 13-19 DEPTH 23-5	CEMENT AMOUNT ORDERED	165 10-	
TUBING SIZE DEPTH	AMOUNT ORDERED	320 CL	
DRILL PIPE DEPTH		, , , , , ,	
TOOL DEPTH			25
PRES. MAX MINIMUM	COMMON		268/25
MEAS. LINE SHOE JOINT CEMENT LEFT IN CSG. 15	POZMIX	@	
PERFS.	GEL ·	@GJ93	24020
DISPLACEMENT 13.37	ASC_	@ <i>90</i>	577-
EQUIPMENT .		@	
		@	
PUMPTRUCK CEMENTER 46		@	
# 4) HELPER Wayn		@ @	
DULKIKUCK	20.1 (1.1.2)		
# UDY DRIVER Earl BULK TRUCK		@	
# DRIVER		@	
		(K) @229	3892
REMARKS:	MILEAGE [/a SK/		- (222
/		TOT	AL463>=
flow Coy, Circulate, MY Coment,		CEDULOR	
Displace Cenant		SERVICE	
7,1-5,1-1	DEPTH OF JOB	2	25'
The All and The	PUMP TRUCK CHARG)E	1125
Coneset Hid Circulals	EXTRA FOOTAGE	@	- CON
Thethe	MILEAGE 65 2	@ > =	7100
Ala, Wane Fear	MANIFOLD - Hear	(2 @ 4 = =	52000
11 - 1 1	errespice (2)	@	
CHARGE TO: Mus Find Krilling			
STREET		TOT	XL 22,55 00

CITYSTATEZIP	PLUG &	FLOAT EQUIPM	IENT
		1	
	8 18 Wood	fley @	9220
		@	
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		тот	AL 9 200
contractor. I have read and understand the "GENERAL			1.6
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)_	<u> </u>	
7 8	TOTAL CHARGES		(f) (3 *
PRINTED NAME KELLY WILSON	DISCOUNT	ID.	PAID IN 30 DAYS
SIGNATURE Kelly Wilson	ZIOGOOIII		אס אלי און מאין
SIGNATURE KILLY IN USON		10	A STATE FOR
they to work	8.€.	•	
-	3.1		。1997年,1998年
	• • •		



24 S. Lincoln Street P.O. Box 31 Russell, KS 67665-2906

Voice: Fax: (817) 546-7282 (817) 246-3361

BillTo:

Murfin Drlg. Co., Inc P.O. Box 661 Colby, KS 67701 INVOICE

Invoice Number: 128434

Invoice Date: Aug 28, 2011

Page:

1

Federal Tax I.D.#: 20-5975804

operate Pay

Customer ID	Well Name# or Customer P.O.	Payment	Terms
Murfin	Graff #1-1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Aug 28, 2011	9/27/11

Quantity	Item	Description	Unit Price	Amount
180.00	MAT	Class A Common	16.25	2,925.00
120.00	MAT	Pozmix	8.50	1,020.00
10.00	MAT	Gel	21.25	212.50
75.00	MAT	Flo Seal	2.70	202.50
313.00	SER	Handling	2.25	704.25
65.00	SER	Mileage	34.43	2,237.95
1.00	SER	Plug To Abandon	1,250.00	1,250.00
130.00	SER	Heavy Vehicle Mileage	7.00	910.00
130.00	SER	Light Vehicle Mileage	4.00	520.00
1.00	CEMENTER	Andrew Forslund		525.05
1.00	CEMENTER	Terry Heinrich		
		In the state of th		
ALL PRICES AF	RE NET, PAYABLE	Subtotal		9,982.20

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 3493.17

ONLY IF PAID ON OR BEFORE
Sep 22, 2011

 Subtotal
 9,982.20

 Sales Tax
 828.52

 Total Invoice Amount
 10,810.72

 Payment/Credit Applied
 10,810.72

CV

ALLIED CEMENTING CO., LLC. 043484

	I.D.# 20-5975804
REMITTO P.O. BOX 31 RUSSELL, KANSAS 67665	SERVICE POINT:
UNIE 8 20 11 1 10 35	CALLED OUT ON LOCATION JOB START JOB FINISH
LEASE WELL# 1-1 LOCATION Scott	COUNTY A STATE
OLD OR NEW Circle one) W NINTO.	TY 12w 10s witchta Tis
CONTRACTOR MUTEIN 22	OWNER Same
TYPE OF JOB PTA	O. C.
HOLE SIZE 7 18 T.D. 5089	CEMENT
CASING SIZE DEPTH	AMOUNT ORDERED 3005 KS 60/40
TUBING SIZE / DEPTH:	4%9e 14 Flo-seoL
DRILLPIPE 4/2 DEPTH 2336	7,700
TOOL DEPTH	
PRES. MAX MINIMUM	COMMON 180 5/5 @16-25-29-25,00
MEAS, LINE SHOE JOINT	COMMON 180 5 65 @ 16, 25 29 25, 60 POZMIX 120 5/15 @ 8,50 10 20, 60
CEMENT LEFT IN CSG.	GEL 12 2KS @ 2/12 212 212
PERFS.	00 10 3p3 @ 21120 212150
DISPLACEMENT	CHLORIDE@
	ASC@
EQUIPMENT	
	#_@
PUMPTRUCK, CEMENTER Andrew	Flower 25th @ 2:70 202,50
423-28/ HELPER ANDREW	@
BULK TRUCK	@ · ·
" " " " " " " " " " " " " " " " " " " "	@
BULK TRUCK PERFORM	@
	@
¥ DRIVER	HANDLING 3/3 5/5, @2,25 704, 25
	MILEAGE 118 -5K/19:10 2237.95
REMARKS:	,
70 /	TOTAL 23 <i>02,20</i>
	1
30 SKS 1280.	" SERVICE
50 SKS 600',	
10 SKS 246	DEPTH OF JOB 2330
0565 60	PUMP TRUCK CHARGE 1250, 00
10 sks mouse hole	Ditter i mi m
osks Rat hole	EXTRA FOOTAGE@
PIO-	MILEAGE 65 miles x 2 @ 7,00 910,00
	MANIFOLD @ . ·
Thank you	Light vehicle @4,00 520,00
110	
CHARGE TO: Murfin	
STREET	TOTAL 2 <u>680,00</u>
CITYSTATEZIP	DI HO & PLO IMPOURDAME
	PLUG & FLOAT EQUIPMENT
	@
To Allied Cementing Co., LLC.	@
You are hereby requested to rent cementing equipment	
and furnish computer and believed to real the	@
and furnish cementer and helper(s) to assist owner or	
contractor to do work as is listed. The above work was	
lone to satisfaction and supervision of owner agent or	TOTAL
contractor. I have read and understand the "GENERAL	* *
TERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)
PRINTED NAME MELLY WILSON	TOTAL CHARGES
100 110	DISCOUNT IF PAID IN 30 DAYS
GIGNATURE MILLY WILSON	