



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1271788
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: _____



1271788

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift 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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	Colleen 1
Doc ID	1271788

Tops

Name	Top	Datum
Elgin	3437	-1918
Heebner	3611	-2092
Brown Lime	3808	-2289
Stark	4200	-2681
Base KC	4283	-2764
Mississippian	4378	-2859
Kinderhook	4560	-3041
Viola	4664	-3145
Simpson Sand	4760	-3241

Company: Charles N. Griffin
Address: PO Box 347
Pratt, KS 67124-0347

Contact Geologist:
Contact Phone Nbr:

Well Name: #1 Colleen
Location: Section 34-32S-12W
Pool: API: 15-007-24298
State: Kansas
Country: USA

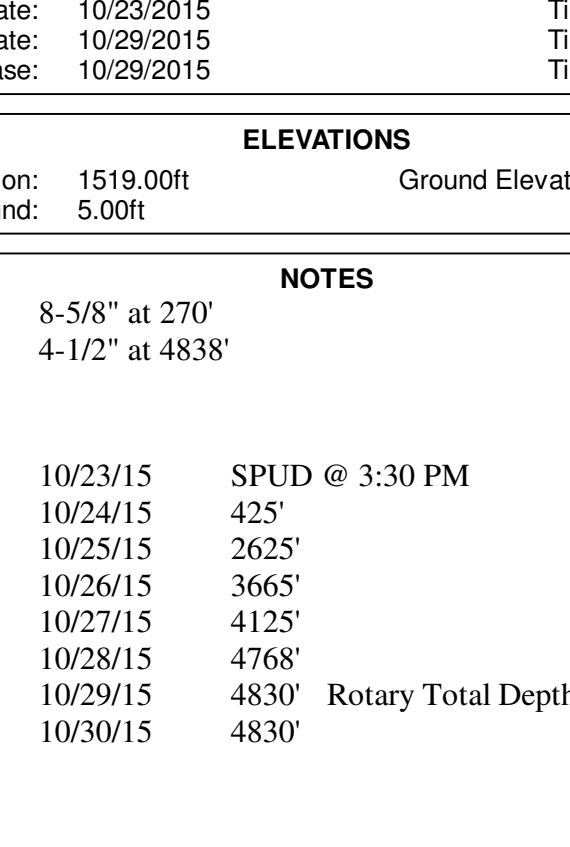
Scale 1:240 Imperial

Well Name: #1 Colleen
Surface Location: Section 34-32S-12W
Bottom Location:
API: 15-007-24298
License Number: 10-207-24298
Spud Date: 10/23/2015
Region: Barber County
Drilling Completed: 10/29/2015
Surface Coordinates: 2310' FSL & 1430' FEL
Bottom Hole Coordinates: 1514.00ft
Ground Elevation: K.B. Elevation: 1519.00ft
Logged Interval: 3400.00ft To: 4830.00ft
Total Depth: 4830.00ft
Formation:
Drilling Fluid Type: Chemical (MudCo)

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: 2310' FSL
N/S Co-ord: 1430' FEL
E/W Co-ord: 1430' FEL

LOGGED BY



Company: TerraTech Energy Service LLC.
Address: 1632 S. West St. Suite 12
Wichita, KS 67208

Phone Nbr: 316-617-3959
Logged By: Geologist Name: Bruce Reed

CONTRACTOR

Contractor: WW Drilling
Rig #: 4
Rig Type: mud rotary
Spud Date: 10/23/2015
TD Date: 10/29/2015
Rig Release: 10/29/2015
Time: 3:30 PM
Time: 1:40 AM
Time: 11:30 PM

ELEVATIONS

K.B. Elevation: 1519.00ft
K.B. to Ground: 5.00ft
Ground Elevation: 1514.00ft

NOTES

Surface Casing: 8-5/8" at 270'
Production Casing: 4-1/2" at 4838'

Daily Penetration:
10/23/15 SPUD @ 3:30 PM
10/24/15 425'
10/25/15 2625'
10/26/15 3665'
10/27/15 4125'
10/28/15 4768'
10/29/15 4830' Rotary Total Depth @ 1:40 AM
10/30/15 4830'

DRILL STEM TEST

DST #1 4740'-4768'. Simpson Sand. Fair blow, BOB in 7 minutes during the initial flow period. Weak blow, built to 5-1/2" during the second flow period. Recovered: 110' GIP 70' OCM (15% oil, 85% mud). IFP/30" 51-52#, ISIP/45" 479#, FFP/45" 51-71#, FSP/60" 509#

Formation	Log Top	Datum	Sample Top	Datum	Comparison*
Elgin	3437'	-1918	3443'	-1924	-2
Heebner	3611'	-2092	3609'	-2090	flat
Brown Lime	3808'	-2289	3807'	-2288	+3
Stark	4200'	-2681	4197'	-2678	-7
Base KC	4283'	-2764	4280'	-2761	-2
Mississippian	4378'	-2859	4376'	-2857	+0
Kinderhook	4560'	-3041	4556'	-3037	-5
Viola	4664'	-3145	4659'	-3140	-1
Simpson Sand	4760'	-3241	4754'	-3235	+2

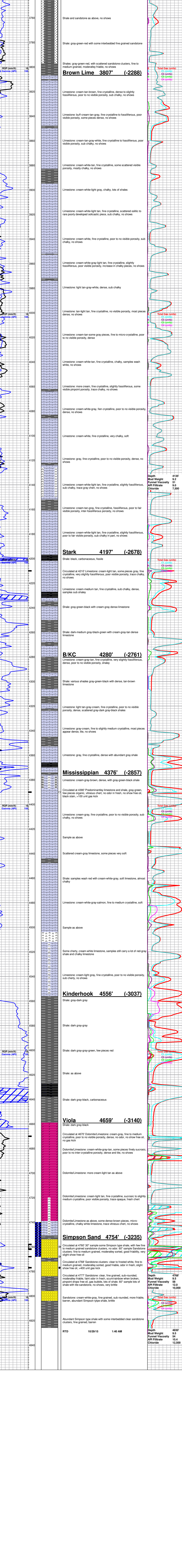
*Reference well: Texaco, Inc., #1 Anna Duncan, C NW SE Section 34-32S-12W, Barber County, Kansas

ROCK TYPES

Legend for Rock Types: Cht (Chert), Dolpr (Dolomite), Lmst fw? (Limestone fine grained), shale, gray, Carbon Sht (Carbon Shale), Ss (Sandstone)

ACCESSORIES

MINERAL: Sandy, Chert White, Argillaceous Shale
OTHER SYMBOLS: Oil Show (Good, Fair, Poor, Spotted or Trace, Questionable, Dead Oil Stn, Fluorescence, Gas), DST (DST Int, DST all, Core, tail pipe)



886 2924

Field Ticket Number: MLK1610231900 Field Ticket Date: Friday, October 23, 2015

Bill To:
Charles N Griffin
Pratt, Kansas 67124-0347
0

Job Name: 01 Surface
BARBER, KS
Well Name: Colleen
Well Number: #1
Shipping Point: MEDICINE LODGE, KS
Sales Office: Permian Basin BD

SERVICES - SERVICES - SERVICES

DESCRIPTION	QTY	UOM	UNIT AMT	GROSS AMT	UNIT PRICE	DISCOUNT	NET AMOUNT
Casing Pump Charge 0' to 500'	1.00	min. 4 hr	1,512.25	1512.25	756.13	50%	756.13
Products handling service charge	163.66	per cu. Ft.	2.48	405.87	1.24	50%	202.93
Drayage for Products	37.52	ton-mile	2.75	103.17	1.38	50%	51.59
Light Vehicle Mileage	5.00	per milo	4.40	22.00	2.20	50%	11.00
Heavy Vehicle Mileage	5.00	per mile	7.70	38.50	3.85	50%	19.25

MATERIALS - MATERIALS - MATERIALS

CLASS A COMMON	155.00	per sack	17.90	2,774.50	8.95	50%	1,387.25
Calcium Chloride	438.00	per pound	1.10	481.80	0.55	50%	240.90


ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS

Additional hours, in excess of set hours		per hour	440.00	0.00	220.00	50%	0.00
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Allied Rep
Customer Agent:

	Gross	Discount	Final
Services Total	2,081.79	1,040.89	1,040.89
Materials Total	3,256.30	1,628.15	1,628.15
Additional Items	0.00	0.00	0.00
Final Total	6,338.09	2,669.04	2,669.04

This output does NOT include taxes. Applicable sales tax will be billed on the final invoice.
Customer hereby acknowledges receipt of the materials and services described above and on the attached documents.
I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the following page.

x 
Customer Signature

Field Ticket Total (USD): \$2,669.04

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "ALLIED" shall mean Allied Oil & Gas Services, LLC, and "CUSTOMER" shall refer to the party identified by that term on the front of this contract. As applicable, "JOB" relates to the services described on the front side of this contract, "MERCHANDISE" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

-TERMS: Unless satisfactory credit has been established, CUSTOMER must tender full cash payment to ALLIED before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, CUSTOMER agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that CUSTOMER may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate. Any amounts previously paid as excess interest shall be deducted from the amounts owing from the CUSTOMER or at the option of ALLIED, refunded directly to CUSTOMER. For purposes of this paragraph, ALLIED and CUSTOMER agree that Kansas law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

-ATTORNEY FEES: In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

-PRICES AND TAXES: All merchandise listed in ALLIED'S current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

-TOWING CHARGES: ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by the CUSTOMER.

-PREPARATION CHARGES: If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

-DEADHAUL CHARGES: Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

-SERVICE CONDITIONS AND LIABILITIES:

1). ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. CUSTOMER shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:



Cement Job Summary

Job Number: MLK15102319		Job Purpose: 01 Surface	
Customer: Charles N Griffin	Date: 2/6/2013		
Well Name: Colleen	Number: #1	API/UWI:	
County: Barber	City: Medicine Lodge	State: Kansas	
Cust. Rep: Walt	Phone: 0	Rig Phone:	0
Distance: 5 miles (one way)	Supervisor:	Jason Thimesch	

Employees:	Emp. ID:	Employees:	Emp. ID:
Jason Thimesch	#N/A		
Justin Bower	#N/A		
Joe Halcomb	#N/A		

Equipment:	ID:
	673
894/545	
	859

Materials - Pumping Schedule					
STAGE #1					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	Fresh Water	5	8.34	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	CLASS A COMMON	155	14.90	1.33	6.20
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	15.98457351	8.33	n/a	n/a

Slurry: Lead 1		Slurry Name: CLASS A COMMON				
Quantity:	155 sacks	Blend Vol:	163.66 cu.ft.	Blend Weight:	15007.1 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
Class A	Cement Premium Class A	94	% Base Material	14570.0	lbm	
CA-100	Calcium Chloride	2.82	% BWOC	437.1	lbm	
Water	Mixing Water	6.20	gal/sk	961	gal	

Job Number: MLK15102319		Job Purpose: 01 Surface			
Customer: Charles N Griffin	Date: 2/6/2013				
Well Name: Colleen	Number: #1	API/UWI:			
County: Barber	City: Medicine Lodge	State: Kansas			
Cust. Rep: Walt	Phone: 0	Rig Phone:	0		
Distance: 5 miles (one way)	Supervisor:	Jason Thimesch			
Activity Description	Date	Time	Volume	Pressure	Rate
On Location	10/23/2015	7:00 PM			
Finish Drill Run Casing					
Brk circ with Rig					
Pump Water Ahead		9:00 PM	5	100	4
Mix and pump cement		9:02 PM	36.7	200	4
Displace		9:15 PM	15.9	100	4
Shut In		9:30 PM		60	
Did Circulate Cement					

Field Ticket Number: MLK1510291300 Field Ticket Date: Thursday, October 29, 2015

Bill To:
Charles Griffin
Byers, Co. 80103-0670
#N/A

Job Name: 02 Production/Long String
Well Location: Barber, Kansas
Well Name: ~~RANDEL~~ > COLLEEN #1
Well Number: ~~#6~~
Well Type: New Well
Rig Number: WW DRILLING #
Shipping Point: Medicine Lodge, KS
Sales Office: Mid Con

PERSONEL		EQUIPMENT	
KEVIN BRUNGARDT		CEMENTERS PICK-UP 717	
JAKE HEARD		PUMP TRUCK 1107-555	
PAUL MAZZALONGO		BULK TRUCK 548-692	
1:00 PM - 7:30 PM			

SERVICES - SERVICES - SERVICES

Description	QTY	UDM	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
PUMP, CASING CEMENT 4001-5000 FT	1.00	min. 4 hr	2,765.75	2765.75	1,189.27	57.0%	1,189.27
CMLP	1.00	per day	275.00	275.00	118.25	57.0%	118.25
PHDL	296.00	per cu. FL.	2.48	734.08	1.07	57.0%	315.65
DRYG	63.00	ton-mile	2.75	173.25	1.18	57.0%	74.50
MILV	5.00	per mile	4.40	22.00	1.89	57.0%	9.46
MIHV	5.00	per mile	7.70	38.50	3.31	57.0%	16.56

FLOAT EQUIPMENT -- FLOAT EQUIPMENT -- FLOAT EQUIPMENT

AFFS-4.5	1.00	each	425.00	425.00	182.75	57.0%	182.75
LBP-4.5	1.00	each	655.00	655.00	281.65	57.0%	281.65
CB-4.5	1.00	each	315.00	315.00	135.45	57.0%	135.45
CEN - 4.5	3.00	each	57.00	171.00	24.51	57.0%	73.53

MATERIALS - MATERIALS - MATERIALS

CW-HVS	10.00	bbf	25.00	250.00	10.75	57.0%	107.50
CW-MC	10.00	bbf	25.00	250.00	10.75	57.0%	107.50
CB-ASA	200.00	sack	23.50	4,700.00	10.11	57.0%	2,021.00
CLC-KOL	1000.00	pound	0.98	980.00	0.42	57.0%	421.40
CFL-210	57.00	pound	18.90	1,077.30	8.13	57.0%	463.24
CDF-100P	28.00	pound	3.50	98.00	1.51	57.0%	42.14
CB-APA-40604	30.00	sack	16.20	486.00	6.97	57.0%	208.98

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS

Additional hours, in excess of set hours		per hour	440.00	0.00	189.20	57.0%	0.00
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	Gross	Discount	Final
Services Total	4,008.58	2,284.89	1,723.69
Equipment Total	1,566.00	892.62	673.38
Materials Total	7,841.30	4,469.54	3,371.76
Additional Items	0.00	0.00	0.00
Final Total	13,415.88	7,647.05	5,768.83

Allied Rep: KEVIN BRUNGARDT
Customer Agent: JR GRIFFIN

This output does NOT include taxes. Applicable sales tax will be billed on the final invoice.
Customer hereby acknowledges receipt of the materials and services described above and on the attached documents.
I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the following page.

X 
Customer Signature

Field Ticket Total (USD):

\$5,768.83



Cement Job Summary

Job Number: MLK151029130		Job Purpose: 02 Production/Long String	
Customer: Charles Griffin			Date: 10/29/2015
Well Name: RANDEL Colleen	Number: 15 # /		API/UWI:
County: Barber	City: VIC MED LODGE	State: Kansas	
Cust. Rep: JR GRIFFIN	Phone:	Rig Phone:	
Distance: 5 miles (one way)	Supervisor: Jake Heard		

Employees:	Emp. ID:	Employees:	Emp. ID:
KEVIN BRUNGARDT	#N/A		
JAKE HEARD	#N/A		
PAUL MAZZALONGO	#N/A		

Equipment:	
CEMENTERS PICK-UP 717	
PUMP TRUCK 1107-555	
BULK TRUCK 548-692	

Materials - Pumping Schedule

STAGE #1					
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	HIVIS SWEEP	10	8.40	n/a	n/a
Spacer 2	FRESH WATER	5	8.34	n/a	n/a
Spacer 3	MUD CLEAN	10	8.50	n/a	n/a
Lead 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	200	14.55	1.57	7.00
Tail 1	ALLIED 40/60/4 POZ BLEND - CLASS A	430	13.89	1.40	6.70
Disp. 1	2% KCL	74.28778521	8.43	n/a	n/a

Slurry: Lead 1		Slurry Name: ALLIED SPECIAL BLEND CEMENT - CLASS A				
Quantity:	200 sacks	Blend Vol:	263.35 cu.ft.		Blend Weight:	22494.4 lbs
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Material	18800.0	lbm	
CA-200	SODIUM CHLORIDE	6	lb/sk	1200.0	lbm	
CA-500	GYPSUM	5.17	% BWOC	1034.0	lbm	
CGEL	GEL - BENTONITE	1.88	% BWOC	376.0	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	1000.0	lbm	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.282	% BWOC	56.4	lbm	
CDF-100P	DEFOAMER - POWDER	0.14	lb/sk	28.0	lbm	
Water	Mixing Water	7.00	gal/sk	1400	gal	

Slurry: Tail 1		Slurry Name: ALLIED 40/60/4 POZ BLEND - CLASS A				
Quantity:	45 sacks	Blend Vol:	47.58 cu.ft. cu.ft.		Blend Weight:	4024.8 lbs
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	56.4	% Base Material	2538.0	lbm	
CPOZ	POZMIX FLYASH	29.6	% Base Material	1332.0	lbm	
CGEL	GEL - BENTONITE	3.44	% BWOC	154.8	lbm	
Water	Mixing Water	6.70	gal/sk	301.5	gal	



Cement Job Summary

Job Number:	MLK151029130	Job Purpose	02 Production/Long String			
Customer:	Charles Griffin			Date:	10/29/2015	
Well Name:	RAWL Colleen	Number:	B #/			
County:	Barber	City:	VIC MED LODGE		State:	Kansas
Cust. Rep:	JR GRIFFIN	Phone:	Rig Phone: 0			
Distance	5 miles (one way)			Supervisor	Jake Heard	
DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
	AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
10/29/2015	1:00:00 PM					ARRIVE ON LOCATION
						SAFETY MEETING
						SPOT IN RIG UP
						SAFETY MEETING
						RUN FLOAT EQUIPMENT
						RUN CASING
						RIG UP HEAD AND CIRC
	6:35:00 PM	2500				PRESSURE TEST
		280		12	5	PUMP SPACER
		310		12	5.3	PUMP SPACER
		310		56	5.5	MIX AND PUMP CEMENT
						STOP
						WASH PUMP AND LINES
				1		DISPLACE
		180		52	6	CATCH CEMENT
		290		58	6	SEE LIFT
		450		67	3	SLOW RATE
	7:30:00 PM	1590		75		BUMP PLUG
						CHECK FLOATS
						WASH UP PUMP