

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	Lukens 1
Doc ID	1287547

Tops

Name	Top	Datum
Heebner	3467	-1982
Brown Lime	3675	-2190
Stark	4054	-2569
Hush	4088	-2603
Base KC	4142	-2657
Mississippian	4248	-2763
Kinderhook	4375	-2890
Viola	4496	-3011
Simpson	4587	-3102

Field Ticket Number: MLK151115930 Field Ticket Date: Monday, November 23, 2015

Bill To:
CHARLES N GRIFFIN
#N/A
#N/A

Job Name: 02 Production/Long String
Well Location: BARBER, KANSAS
Well Name: LUKENS
Well Number: #1
Well Type: NEW WELL
Rig Number: W-W DRILLING # #4
Shipping Point: Medicine Lodge, KS
Salos Office: Mid Con

PERSONEL		EQUIPMENT	
JUSTIN BOWER		CEMENTERS PICK-UP 674	
Holiman, Kindle		1106-545	
Joe Halcomb		819-823	

SERVICES - SERVICES - SERVICES							
Description	Qty	UOM	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
PC5000	1.00	min. 4 hr	2,765.75	2765.75	1,189.27	57%	1,189.27
CMLP	1.00	per day	275.00	275.00	118.25	57%	118.25
PHDL	296.00	per cu. Ft.	2.48	734.08	1.07	57%	315.65
DRYG	63.00	ton-mile	2.75	173.25	1.18	57%	74.50
MILV	5.00	per mile	4.40	22.00	1.89	57%	9.46
MIHV	5.00	per mile	7.70	38.50	3.31	57%	16.56

FLOAT EQUIPMENT -- FLOAT EQUIPMENT -- FLOAT EQUIPMENT							
AFFS-5.5	1.00	each	545.00	545.00	234.35	57%	234.35
CB-5.5	1.00	each	395.00	395.00	169.85	57%	169.85
GEN-5.5	3.00	each	57.00	171.00	24.51	57%	73.53
LBP - 5.5	1.00	each	660.00	660.00	283.80	57%	283.80

MATERIALS - MATERIALS - MATERIALS							
CW-HVS	12.00	bbl	25.00	300.00	10.75	57%	129.00
CW-MC	12.00	bbl	41.09	493.08	17.67	57%	212.02
CB-APA-40604	30.00	sack	18.92	567.60	8.14	57%	244.07
CB-ASA	200.00	sack	23.50	4,700.00	10.11	57%	2,021.00
CLC-KOL	1000.00	pound	0.98	980.00	0.42	57%	421.40
CFL-210	57.00	pound	18.90	1,077.30	8.13	57%	463.24
CDF-100P	28.00	pound	3.50	98.00	1.51	57%	42.14

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS							
Additional hours, in excess of set hours		per hour	440.00	0.00	189.20	57%	0.00

	Gross	Discount	Final
Services Total	4,008.58	2,284.89	1,723.69
Equipment Total	1,771.00	1,009.47	761.53
Materials Total	8,215.98	4,689.11	3,532.87
Additional Items	0.00	0.00	0.00
Final Total	13,995.56	7,977.47	6,018.09

Allied Rep: JUSTIN BOWER
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): **\$6,018.09**



Cementing Services
Field Ticket

Printed on 11/17/2015 at 2:33 PM

Field Ticket Number: MLK1511171100 Field Ticket Date: Tuesday, November 17, 2015

Bill To: CHARLES N GRIFFIN #N/A #N/A	Job Name: 01 Surface Well Location: BARBER, KANSAS Well Name: LUKENS Well Number: # 1 Well Type: New Well Rig Number: WW DRILLING # Shipping Point: GREAT-BERD, KS Sales Office: Mid Con
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PERSONEL		EQUIPMENT	
JAKE HEARD		CEMENTERS PICK-UP 717	
BRIAN LANG		PUMP TRUCK 366	
MARLYN SPANGENBERG		BULK TRUCK 871-112	

SERVICES - SERVICES - SERVICES							
Description	QTY	UOM	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
PUMP,CASING CEMENT 0-500 FT	1.00	min. 4 hr	1,512.25	1512.25	756.13	50.0%	756.13
PHDL	180.00	per cu. Ft.	2.48	446.40	1.24	50.0%	223.20
DRYG	42.00	ton-mile	2.75	115.50	1.38	50.0%	57.75
MILV	5.00	per mile	4.40	22.00	2.20	50.0%	11.00
MIHV	5.00	per mile	7.70	38.50	3.85	50.0%	19.25

MATERIALS - MATERIALS - MATERIALS							
CCAC	170.00	sack	17.90	3,043.00	8.95	50.0%	1,521.50
CA-100	480.00	pound	1.10	528.00	0.55	50.0%	264.00

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS							
Additional hours, in excess of set hours		per hour	440.00	0.00	220.00	50.0%	0.00
SUGAR	100.00	per pound	3.15	315.00	1.58	50.0%	157.50

	Gross	Discount	Final
Services Total	2,134.65	1,067.33	1,067.33
Equipment Total	0.00	0.00	0.00
Materials Total	3,571.00	1,785.50	1,785.50
Additional Items	315.00	157.50	157.50
Final Total	6,020.65	3,010.33	3,010.33

Allied Rep: JAKE HEARD
Customer Agent: _____

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 Walter Brown
Customer Signature

Field Ticket Total (USD): **\$3,010.33**

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.

Field Ticket Number: MLK1511171100 Field Ticket Date: Tuesday, November 17, 2015

Bill To: CHARLES N GRIFFIN #N/A #N/A	Job Name: 01 Surface Well Location: BARBER, KANSAS Well Name: LUKENS Well Number: # 1 Well Type: New Well Rig Number: WW DRILLING # Shipping Point: <i>Grant-Beard, KS</i> Sales Office: Mid Con
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PERSONEL		EQUIPMENT	
JAKE HEARD		CEMENTERS PICK-UP 717	
BRIAN LANG		PUMP TRUCK 366	
MARLYN SPANGENBERG		BULK TRUCK 871-112	

SERVICES - SERVICES - SERVICES							
Description	QTY	UOM	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
PUMP,CASING CEMENT 0-500 FT	1.00	min. 4 hr	1,512.25	1512.25	756.13	50.0%	756.13
PHDL	180.00	per cu. Ft.	2.48	446.40	1.24	50.0%	223.20
DRYG	42.00	ton-mile	2.75	115.50	1.38	50.0%	57.75
MILV	5.00	per mile	4.40	22.00	2.20	50.0%	11.00
MIHV	5.00	per mile	7.70	38.50	3.85	50.0%	19.25

MATERIALS - MATERIALS - MATERIALS							
CCAC	170.00	sack	17.90	3,043.00	8.95	50.0%	1,521.50
CA-100	480.00	pound	1.10	528.00	0.55	50.0%	264.00

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS							
Additional hours, in excess of set hours		per hour	440.00	0.00	220.00	50.0%	0.00
SUGAR	100.00	per pound	3.15	315.00	1.58	50.0%	157.50

	Gross	Discount	Final
Services Total	2,134.65	1,067.33	1,067.33
Equipment Total	0.00	0.00	0.00
Materials Total	3,571.00	1,785.50	1,785.50
Additional Items	315.00	157.50	157.50
Final Total	6,020.65	3,010.33	3,010.33

Allied Rep: JAKE HEARD
 Customer Agent: _____

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 I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the following page.

x *Walter Brown*
 Customer Signature

Field Ticket Total (USD): **\$3,010.33**

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-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.



Cement Job Summary

Job Number: MLK15111711		Job Purpose: 01 Surface	
Customer: CHARLES N GRIFFIN	Date: 11/17/2015		
Well Name: LUKENS	Number: # 1	API/UWI:	
County: BARBER	City: MEDICINE LODGE	State: KANSAS	
Cust. Rep:	Phone:	Rig Phone:	
Distance: 5 miles (one way)	Supervisor: Jake Heard		

Employees:	Emp. ID:	Employees:	Emp. ID:
JAKE HEARD	#N/A		
BRIAN LANG	#N/A		
MARLYN SPANGENBERG	#N/A		

Equipment:	
CEMENTERS PICK-UP 717	
PUMP TRUCK 366	
BULK TRUCK	

Materials - Pumping Schedule

STAGE #1

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESHWATER	5	0.00	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	CLASS A COMMON	170	14.90	1.33	6.20
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Displacement	0	8.33	n/a	n/a

Slurry: Lead 1		Slurry Name: CLASS A COMMON			
Quantity:	170 sacks	Blend Vol:	179.5 cu.ft.	Blend Weight:	16459.4 lbs
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CCAC	CLASS A COMMON	94	% Base Material	15980.0	lbm
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	479.4	lbm
Water	Mixing Water	6.20	gal/sk	1054	gal

Field Ticket Number: **MLK151115930** Field Ticket Date: **Monday, November 23, 2015**

Bill To:
CHARLES N GRIFFIN
#N/A
#N/A

Job Name: 02 Production/Long String
Well Location: BARBER, KANSAS
Well Name: LUKENS
Well Number: #1
Well Type: NEW WELL
Rig Number: W-W DRILLING # #4
Shipping Point: Medicine Lodge, KS
Sales Office: Mid Con

PERSONEL		EQUIPMENT	
JUSTIN BOWER		CEMENTERS PICK-UP 674	
Holiman, Kindle		1106-545	
Joe Halcomb		819-823	

SERVICES - SERVICES - SERVICES							
Description	QTY	UOM	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
PC5000	1.00	min. 4 hr	2,765.75	2765.75	1,189.27	57%	1,189.27
CMLP	1.00	per day	275.00	275.00	118.25	57%	118.25
PHDL	296.00	per cu. Ft.	2.48	734.08	1.07	57%	315.65
DRYG	63.00	ton-mile	2.75	173.25	1.18	57%	74.50
MILV	5.00	per mile	4.40	22.00	1.89	57%	9.46
MIHV	5.00	per mile	7.70	38.50	3.31	57%	16.56

FLOAT EQUIPMENT -- FLOAT EQUIPMENT -- FLOAT EQUIPMENT							
AFFS-5.5	1.00	each	545.00	545.00	234.35	57%	234.35
CB-5.5	1.00	each	395.00	395.00	169.85	57%	169.85
CEN-5.5	3.00	each	57.00	171.00	24.51	57%	73.53
LBP - 5.5	1.00	each	660.00	660.00	283.80	57%	283.80


MATERIALS - MATERIALS - MATERIALS							
CW-HVS	12.00	bbbl	25.00	300.00	10.75	57%	129.00
CW-MC	12.00	bbbl	41.09	493.08	17.67	57%	212.02
CB-APA-40604	30.00	sack	18.92	567.60	8.14	57%	244.07
CB-ASA	200.00	sack	23.50	4,700.00	10.11	57%	2,021.00
CLC-KOL	1000.00	pound	0.98	980.00	0.42	57%	421.40
CFL-210	57.00	pound	18.90	1,077.30	8.13	57%	463.24
CDF-100P	28.00	pound	3.50	98.00	1.51	57%	42.14

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS							
Additional hours, in excess of set hours		per hour	440.00	0.00	189.20	57%	0.00

	Gross	Discount	Final
Services Total	4,008.58	2,284.89	1,723.69
Equipment Total	1,771.00	1,009.47	761.53
Materials Total	8,215.98	4,683.11	3,532.87
Additional Items	0.00	0.00	0.00
Final Total	13,995.56	7,977.47	6,018.09

Allied Rep: JUSTIN BOWER
Customer Agent: JR GRIFFIN

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X 
Customer Signature

Field Ticket Total (USD):

\$6,018.09

Job Number: MLK15111593		Job Purpose: 02 Production/Long String	
Customer: CHARLES N GRIFFIN	Date: 11/15/2015		
Well Name: LUKENS	Number: #1	API/UWI:	
County: BARBER	City: VIC MED.LODGE	State: KANSAS	
Cust. Rep: JR GRIFFIN	Phone:	Rig Phone:	
Distance: 5 miles (one way)	Supervisor: Jason Thimesch		

Employees:	Emp. ID:	Employees:	Emp. ID:
JUSTIN BOWER	#N/A		
Holiman, Kindle	0		
Joe Halcomb	0		

Equipment:	Emp. ID:	Equipment:	Emp. ID:
CEMENTERS PICK-UP 674			
1106-545			
819-823			

Materials - Pumping Schedule

STAGE #1

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	HIVIS SWEEP	12	0.00	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 2	MUD CLEAN	12	0.00	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED 40/60/4 POZ BLEND - CLASS A	30	13.89	1.40	6.70
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	200	23.76	0.63	0.00
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	2% KCL WATER DISPLACEMENT	0	8.33	n/a	n/a

Slurry: Lead 1		Slurry Name: ALLIED 40/60/4 POZ BLEND - CLASS A				
Quantity:	30 sacks	Blend Vol:	31.72 cu.ft.	Blend Weight:	2683.2 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	56.4	% Base Material	1692.0	lbm	
CPOZ	POZMIX FLYASH	29.6	% Base Material	888.0	lbm	
CGEL	GEL - BENTONITE	3.44	% BWOC	103.2	lbm	
Water	Mixing Water	6.70	gal/sk	201	gal	

Slurry: Tail 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	GYP SUM	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	0.00	gal/sk	0.0	gal	

Job Number: MLK15111593		Job Purpose: 02 Production/Long String	
Customer: CHARLES N GRIFFIN	Date: 11/15/2015		



Cement Job Summary

Well Name: LUKENS		Number: #1		API/UWI:		
County: BARBER		City: VIC MED.LODGE		State: KANSAS		
Cust. Rep: JR GRIFFIN		Phone:		Rig Phone: 0		
Distance 5 miles (one way)			Supervisor		JUSTIN BOWER	
DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
		CASING	ANNULUS	VOLUME	RATE (BPM)	
11/27/2015	9:30:00 PM					ARRIVE ON LOCATION
	9:40:00 PM					SAFETY MEETING
	9:45:00 PM					RIG UP
	10:00:00 PM					SAFETY MEETING
						RUN CASING
	2:20:00 AM	800				BREAK CIRCULATION
	3:45:00 AM	2000				PRESSURE TEST
	3:47:00 AM	260		24	4.5	PUMP SPACER
	3:55:00 AM	200		55.923	4	MIX AND PUMP CEMENT
	4:18:00 AM					WASH PUMP AND LINES
	4:22:00 AM	50-870		100	4.5	START DISPLACEMENT
		870		111	3.5	SLOW RATE
	4:50:00 AM	1700		111	3.5	BUMP PLUG
						CHECK FLOATS
	5:04:00 AM	20		7.480	3	PLUG RAT HOLE
	5:10:00 AM					WASH PUMP AND LINES
	5:25:00 AM					RIG DOWN