KOLAR Document ID: 1287547

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 #	API No.:
Name:	Spot Description:
Address 1:	
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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	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 III Approved by: Date:						

KOLAR Document ID: 1287547

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery, Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€ Y€	es No						
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	nd Percent Additives	
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sacks Use	,u		туре а	ia reicent Additives	
Plug Off Z										
Did you perform Does the volum Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
Vented	Sold Use	d on Lease		Open Hole		Dually		nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	Lukens 1
Doc ID	1287547

Tops

Name	Тор	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

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	Lukens 1
Doc ID	1287547

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	28	268	Common	170	3% cc, & 2% gel
Production	7.875	5.5	17	4700	Class A ASC	200	10% salt, 2% gel, 1 3/4 cfr-2, 5# gilsonite



Customer Signature

MMOANLA November 23,2015 Field Ticket Number: MLK151115930 Field Ticket Date: 02 Production/Long String Job Name: BIII To: BARBER, KANSAS CHARLES N GRIFFIN Well Location: Well Name: LUKENS #N/A Well Number: #N/A **NEW WELL** Well Type: Ria Number: W-W DRILLING ##4 Medicine Lodge, KS Shipping Point: Sales Office: Mid Con EQUIPMENT PERSONEL JUSTIN BOWER **CEMENTERS PICK-UP 674** 1106-545 Holiman, Kindle 819-823 Joe Halcomb SERVICES - SERVICES - SERVICES Unit Net 2,765.75 57% 1,189.27 2765.75 1,189.27 PC5000 1.00 min. 4 hr 275.00 275.00 118.25 57% 118.25 1.00 per day CMLP 315.65 734.08 1.07 57% PHDL 296.00 per cu. Ft. 2.48 74.50 57% DRYG 63.00 ton-mile 2.75 173.25 1.18 57% 9.46 4.40 22.00 1.89 MILV 5.00 per mile 38.50 3.31 57% 16.56 5.00 per mile 7.70 MIHV FLOAT EQUIPMENT -- FLOAT EQUIPMENT -- FLOAT EQUIPMENT 234.35 each AFFS-5.5 545.00 545.00 234.35 395.00 169.85 57% 169.85 395.00 1:00 each CB-5.5 73.53 171.00 24.51 57% **CEN-5.5** 3.00 each 57.00 283.80 660.00 660.00 283.80 57% 1.00 each LBP - 5.5 MATERIALS - MATERIALS - MATERIALS 129.00 57% 25.00 300.00 10.75 12.00 bbl CW-HVS 212.02 57% 41.09 493.08 17.67 12.00 bbl CW-MC 57% 244.07 567.60 8.14 18.92 30.00 sack CB-APA-40604 2,021.00 57% 23.50 4,700.00 10.11 200.00 CB-ASA sack 421.40 57% 980.00 0.42 1000.00 pound 0.98 CLC-KOL 463.24 1,077.30 8.13 57% 18.90 57.00 brupa CFL-210 42.14 57% 98.00 1.51 3.50 CDF-100P 28.00 pound ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS 0.00 0.00 189,20 440.00 per hour Additional hours, in excess of set hours Discount Final Gross 2,284.89 1,723.69 Services Total 4,008.58 1.009.47 761.53 **Equipment Total** 1,771.00 Materials Total 8,215.98 4,683.11 0.00 Additional Items 0.00 0.00 JUSTIN BOWER Allied Rep 6,018.09 Final Total 13,995.56 7,977.47 Customer Agent: JR GRIFFIN This output does NOT include taxes. Applicaple 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 any funderstand the "GENERAL TERMS AND CONDITIONS" listed on the following page. \$6,018.09 Field Ticket Total (USD):



Cementing Services Field Ticket

Field Ticket Date: Tuesday, November 17, 2015 Field Ticket Number: MLK1511171100 Job Name: 01 Surface Bill To: Well Location: BARBER, KANSAS CHARLES N GRIFFIN LUKENS Well Name: #N/A #N/A Well Number: #1 New Well Well Type: WW DRILLING # Rig Number: GACA+BEVAD, KS Shipping Point: Sales Office:

PERSONEL	EQUIPMENT			
JAKE HEARD	CEMENTERS PICK-UP 717			
BRIAN LANG	PUMP TRUCK 366			
MARLYN SPANGENBERG	BULK TRUCK 871-112			

Description	ony.	SERVICES - S	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%	756.1
PHDL	180.00	per cu. Ft.	2.48	446.40	1.24	50.0%	223.2
DRYG	42.00	ton-mile	2.75	115.50	1.38	50.0%	57.7
MILV	5.00	per mile.	4,40	22.00	2.20	50.0%	11.0
VIHV	5.00	per mile	7.70	38.50	3.85	50.0%	19.2
	MA	TERIALS - M	ATERIALS	- MATER	IALS		
CCAC	170.00	sack	17.90	3,043.00	8.95	50.0%	1,521.5
CA-100	480.00	pound	1.10	528.00	0.55	50.0%	264.0
ADD	ITIONAL ITE	MS - ADDIT	TIONAL IT	EMS - ADI	DITIONAL	ITEMS	
Additional hours, in excess of set hours		per hour	440.00	0.00	220.00	50.0%	0,0
SUGAR	100.00	per pound	3.15	315.00	1.58	50.0%	157.5
• • • • • • • • • • • • • • • • • • • •			,		Gross	Discount	Final
			S	ervices Total	2.134.65	1.067.33	1.067.33
			Equ	ulpment Total	0.00	0.00	0.00
				laterials Total	3,571.00	1,785.50	1,785.50
			Ad	ditional Items Final Total	315.00 6,020.65	157.50 3,010.33	157.50 3,010.33
Vised Rep JAKE HEARD Customer Agent:							

Majaco Das

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 ALUED 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 ALUED, refunded directly to CUSTOMER. For purposes of this paragraph, ALUED 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 altorney's fees.



Cementing Services Field Ticket

Field Ticket Number: MLK1511171100		Fleld Ticket Da	ile:		Tuesday, N	ovember 17, 2015:			
Bill To:		Job Nan			01 Surface				
CHARLES N GRIFFIN		Well Loc	- market and an arrange		BARBER, KAN	ISAS			
#N/A	1	Well Nar	ne:		LUKENS				
#N/A		Well Nur	mber:		# 1				
		Well Typ	e:		New Well				
		Rig Num	ber:		WW DRILLING				
		Shipping	Point:		Charatia	AVO) KC			
		Sales Of			Chat's	010,110			
		Laurence							
PERSONE	L	title after a	-		EQ	UIPMENT			
JAKE HEARD				NTERS PICK-					
BRIAN LANG				UMP TRUCK 3					
MARLYN SPANGENBERG			BU	LK TRUCK 871	112				
		SERVICES - S	SERVICES	- SERVICE	5				
Description	опу	UOM.	Unit Amt	Gross Amt	Unit Net	Discount	fiet 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		50.0%	19.25		
	MA	TERIALS - M	<i>IATERIALS</i>	- MATER	IALS				
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		
ADDI	TIONAL IT	EMS - ADDIT	TIONAL IT	EMS - AD	DITIONAL	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		

Customer Agent:

Allied Rep

JAKE HEARD

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

This output does NOT include taxes. Applicaple 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.

* Wi) alto Brown

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 ALUED 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 ALUED, refunded directly to CUSTOMER. For purposes of this paragraph, ALUED 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 appropriate the contract.



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 wa	y)		Supervisor	Ja	ke Heard

Em	iployees:	Emp. ID:		Employees:		Emp. ID:
JAKE HEARD		#N/A				
BRIAN LANG		#N/A				
MARLYN SPANGENB	ERG	#N/A			Car get work,	
Equipment						
CEMENTERS PICK-UP	717					
PUMP TRUCK 366			Martin et Co			
BULK TRUCK						
	N	laterials - Pu	mping Schedule			
		STA	GE #1		MILLITA	
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: CL	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 COMM	10N		94	% Base Materia	15980.0	lbm		
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE			2.82	% BWOC	479.4	lbm		
Water	Mixing Water		n 9	6.20	gal/sk	1054	gal		

CEMENTING LOG

Company	CHARLES N GRIFFIN		Lease LUK	ENS		l w	/ell Name/No.	#1	
Type Job	SURFACE		Type & Amt	Material	CLA	SS A + 3 %CC			
Field	1-32S-12W		Ticket Numl	ber	ML	K1511171100			
CASING DATA	Intermediate	Liner	Production	PTA	Sau	eeze 🗸 Su	ırface		
Size	85	5/8 Type J-55			Weight	24#		ollar	
Casing Depths		Botto	om line in the	268			To pally surgings.		
Drill Pipe:	Size	Weig	ht "		Collars				
Open Hole:	Size	12 1/4 T.D. (ft)	260	P.B. to (ft)				
CAPACITY FAC	CTORS					TE CROSS. THE		HIP-en III Hit The art	
Casing	Bbls/Lin. ft.			0.0637	Lin. ft./Bbl			15.7	
Open Holes	Bbls/Lin. ft.			0.1458	Lin. ft./Bbl	Personal Part		6.8598	
Drill Pipes	Bbls/Lin. ft.				Lin. ft./Bbl			timbri Kal	
Annulus	Bbls/Lin. ft.				Lin. ft./Bbl			13.6035	
	Bbls/Lin. ft.				Lin. ft./Bbl				
Perforations	From (ft)	m dat di ujid Bo ar di ujida d	То	81 1 1114 1119	Amount	arra desembla a			
CEMENT DATA	A HILLIAND								
Spacer Type	FRESHWATER	110 - 2 1002211 0 W					and the the plants		
Amt. 5 BBL	Sks Yield		ft ³ / _{sk} Densit	y (PPG)					
4 * * * * * * * * * * * * * * * * * * *	in a series				THAT				
LEAD				m Cridel					
Pump Time (hi	rs)		Type CLAS	S A + 3%CC		Excess			
Amt.	170 Sks Yield	1.3	3 ft 3/sk Densit	y (PPG)				14.9	
TAIL									
Pump Time (hr	rs)		Туре	Let me the figure		Excess			
Amt.	Sks Yield		ft 3/sk Density	(IDDG)		LACE33			
	JR3 Held		it /sk Delisit	y (11 G)	PJ		*[n * n		
WATER Lead	6.2 pplot	ale	7-0		1.7-1	/ / * . / / (5) / .			
Pump Trucks U	6.2 gals/	SK	Tail		gals	/sk Total (Bbls.)	25.09	
Bulk Equipmer								366	
bulk Equipmen	10								
871-112									
	nt: Manufacturer							je s	
Shoe: Type	ing manadatarer					Depth		25,1	
DATE IN THE PROPERTY OF						Depth			
Float: Type			DI T			Bottom		a	
Float: Type Centralizers:	Quantity		Piugs: ion						
Centralizers:	Quantity		Plugs: Top			Bottom		The H of the	
Centralizers: Stage Collars			Plugs: 10p			John			
Centralizers:	nent	R	Amt. (Bbis.)			Weight (PPG	5)		

COMPANY REPRESENTATIVE	

CEMENTER Jake Heard

TIME	PRESSUI	RES PSI	FLU	JID PUMPED DA	ATA	
АМ/РМ	DRILL PIPE CASING	ANNULUS TOTAL PUMPED/ RATE FLUID TIME PERIOD (BBLS MIN.)		REMARKS		
11:00 AM					74.74go (m. 11.11	ON LOCATION
1 1 1						SAFETY MEETING
100	ļ.					SPOT IN RIG UP
			14. 2.3			SAFETY MEETING
1:55 PM	1000					PRESSURE TEST
	150		5		3.5	PUMP SPACER
	150		40.26		3.5	MIX AND PUMP CEMENT
	150		15.75		3	DISPLACE
						STOP
2:20 PM			CONTRACTOR			SHUT IN
						RELEASE PRESSURE
2:30 PM						RIG DOWN
1 - 27, 18 - 10 - 1	de la					
	5 44 5 4 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	v III		hat Lakele		
			1 E 180 187 E			
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			ii hgia		T T THE STREET	too



, November 23, 2015 Field Ticket Date: MODA Field Ticket Number: MLK151115930 BIII To: Job Name: 02 Production/Long String BARBER, KANSAS Well Location: CHARLES N GRIFFIN LUKENS Well Name: #N/A Well Number: #N/A **NEW WELL** Well Type: W-W DRILLING ##4 Rig Number: Shipping Point: Medicine Lodge, KS Mid Con Sales Office: EQUIPMENT PERSONEL CEMENTERS PICK-UP 674 JUSTIN BOWER 1106-545 Holiman, Kindle 819-823 Joe Halcomb SERVICES - SERVICES - SERVICES emy 1,189.27 57% 2,765.75 2765.75 1,189.27 min. 4 hr 1.00 PC5000 118.25 275.00 275.00 118.25 57% CMLP 1.00 per day 315.65 57% 1.07 2.48 734.08 296.00 per cu. Ft. PHDL 74.50 2.75 173.25 1.18 57% DRYG 63,00 ton-mile 9.46 57% 22.00 1.89 5.00 per mile 4.40 MILV 16.56 7.70 38,50 3.31 57% per mile MIHV 5.00 FLOAT EQUIPMENT -- FLOAT EQUIPMENT -- FLOAT EQUIPMENT 234.35 545.00 545.00 1.00 each AFFS-5.5 169.85 395.00 169.85 57% each 395.00 1:00 CB-5.5 73.53 171.00 24.51 57% 57:00 **CEN-5.5** 3.00 each 283.80 660.00 660.00 283.80 57% LBP - 5.5 1.00 each MATERIALS - MATERIALS - MATERIALS 129.00 57% 10.75 300.00 CW-HVS 12.00 bbl 25.00 212.02 57% 41.09 493.08 17.67 12.00 bbl CW-MC 244.07 567.60 8.14 57% 18.92 30.00 sack CB-APA-40604 2,021.00 4,700.00 10.11 57% 23.50 200.00 sack CB-ASA 57% 421.40 980.00 0.42 0.98 1000.00 pound CLC-KOL 463.24 57% 1,077.30 8.13 18.90 57.00 pound CFL-210 1.51 57% 42.14 28.00 3.50 98.00 pound CDF-100P - ADDITIONAL ITEMS ADDITIONAL ITEMS - ADDITIONAL ITEMS 0.00 440.00 0.00 189.20 57% per hour Additional hours, in excess of set hours Final Discount Gross 1,723.69 Services Total 4,008.58 2,284.89 **Equipment Total** 1,771.00 1,009.47 761.53 3,532.87 Materials Total 8,215.98 4,683.11 0.00 Additional Items 0.00 0.00 JUSTIN BOWER Allied Rep Final Total 6.018.09 13,995.56 JR GRIFFIN Customer Agent: This output does NOT include taxes. Applicaple 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 any funderstand the "GENERAL TERMS AND CONDITIONS" listed on the following page. \$6,018.09 Field Ticket Total (USD): Customer Signature



Cement Job Summary

Job Number:	MLK15111593(Job Purpose	02 Product	ion/Long String		
Customer:	CHARLES N GRIFFIN			Date	e: 11/15/2015
Well Name:	LUKENS		Number: #1	API/	'UWI:
County:	BARBER	City:	VIC MED.LODGE	Stat	e: KANSAS
Cust. Rep:	JR GRIFFIN	Phone:	Rig	Phone:	
Distance	5 miles (one wa	ıy)	Sı	ıpervisor	Jason Thimesch

	Employees: Emp. ID:			Employees:		Emp. ID:
JUSTIN BOWE		N/A				
Holiman, Kind	le	0				
Joe Halcomb		0				
Equip	oment:					
CEMENTERS P						
1106-545						
819-823						
	Materi	ials - Pum	ping Schedule			
		STAGE	E #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 - CLAS	SS A	30	13.89	1.40	6.70
Fluid Name	Description		Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	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: A	ALLIED 40/60/4	POZ BLEND - C	LASS 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 COMN	MON		56.4	% Base Materia	1692.0	lbm
CPOZ	POZMIX FLYASH			29.6	% Base Materia	888.0	lbm
CGEL	GEL - BENTON	TE		3.44	% BWOC	103.2	lbm
Water	Mixing Water	1, 30	No to a	6.70	gal/sk	201	gal

Slurry:	Tail 1	Slurry Name: ALLIE	D SPECIAL	BLEND CEMEN	T - CLASS A		
Quantity:	200 sacks		Blend Vol:	263.35 cu.ft.	cu.ft.	Blend Weight:	22494.4 lbs
Material		Description ·		Conc. (lb/sk)	Determined by	Load Volume	UOM
CCAC	CLASS A COMMON			94	% Base Materia	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		Al Propinsi is Budan kalendari	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:	MLK151115934 Job Purpose	02 Production/Long String		
Customer:	CHARLES N GRIFFIN		Date:	11/15/2015



Cement Job Summary

Well Name: LUKENS County: BARBER				Number:	#1	API/UWI:
			City: VIC MED.LODGE			State: KANSAS
Cust. Rep:	JR GRIFFIN	J. Jaki Billi	Phone:		Rig Phone:	
Distance	5 1	miles (one wa	y)		Supervisor	JUSTIN BOWER
DATE	TIME	PRESSU	JRE - (PSI)	FLUID PUI	MPED DATA	COMMENTS
	AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	COMMENTS
11/22/2015	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
10 to	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
1	4:18:00 AM			Part said a care of the		WASH PUMP AND LINES
	4:22:00 AM	50-870		100	4.5	START DISPLACMENT
		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
700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5:10:00 AM	- п п п п				WASH PUMP AND LINES
	5:25:00 AM	h 95 # 0 = 2				RIG DOWN