ALLIED OIL & GAS SERVICES, LLC 054977

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell KS

DATE 1-30-14	SEC. 16	TWP. 9	RANGE 31	CALLED OUT	ON LOCATION	JOB START 2:00pm	JOB FINISH 2:30pm
LEASE Drumm	WELL # 3		LOCATION Palco Ks Ls @5W 3½N			COUNTY Graham	STATE KS
(OLD) OR NEW (Circle one)			Winto				

CONTRACTOR Express
TYPE OF JOB Liner
HOLE SIZE — T.D.
CASING SIZE 4½ 11.6 DEPTH 3659
TUBING SIZE DEPTH
DRILL PIPE DEPTH
~~TOOL~~ DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT 44.90
CEMENT LEFT IN CSG. 44.90
PERFS.
DISPLACEMENT 56 bbl

OWNER

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y
409 HELPER Nathan D
BULK TRUCK
378 DRIVER Joe G
BULK TRUCK
481 DRIVER Jesse C

CEMENT

AMOUNT ORDERED 115 Acon
65 com .75% CD-31, .25% dcFoamer

COMMON	65	@ 17.90	1163.50
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
Acon	115	@ 21.00	2415.00
CD-31	40 #	@ 10.30	412.00
dcFoamer	15 #	@ 9.80	147.00
		@	
		@	
		@	
		@	
		@	
HANDLING	180 ft³	@ 2.48	446.40
MILEAGE	427.5 t/m	260	1111.50
		TOTAL	5695.40

REMARKS:

Thank you!!!

SERVICE

DEPTH OF JOB			3659
PUMP TRUCK CHARGE			2558.75
EXTRA FOOTAGE		@	
MILEAGE	50 HV MI x2	@ 7.20	720.00
MANIFOLD		@	
	50 LV MI	@ 4.40	220.00
		@	
		TOTAL	3548.75

CHARGE TO: Citation
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

4½ IR Floatshoe		@ 496.00	496.00
WF latchdown		@ 655.00	655.00
		@	
		@	
		@	
		TOTAL	1151.00

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any)
TOTAL CHARGES 10395.15
DISCOUNT 2669.80 IF PAID IN 30 DAYS
net $ 7725.35

PRINTED NAME Homero Hernandez

SIGNATURE Homero Hernandez

ALLIED OIL & GAS SERVICES, LLC

CEMENTING LOG

STAGE NO.

Date 1-30-14 District Russell Ticket No. 54977
Company Citation Rig Express
Lease Drumm Well No. 3
County Graham State KS
Location Palco KS 15.5W 3½N Wino Field

CASING DATA: Conductor ☐ PTA ☐ Squeeze ☐ Misc ☐
Surface ☐ Intermediate ☐ Production ☐ Liner ☑
Size 4½ Type _____ Weight 11.6 Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
Spacer Type: _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type Acon
Excess 100%
Amt. 115 Sks Yield 1.43 ft³/sk Density 14.8 PPG
TAIL: Pump Time _____ hrs. Type Com. .75%cd-31 .25% dFoamer Excess 100%
Amt. 65 Sks Yield 1.18 ft³/sk Density 15.6 PPG
WATER: Lead 7 gals/sk Tail 5.2 gals/sk Total _____ Bbls.

Pump Trucks Used 409 Nathan D
Bulk Equip. 378 - Joe G
481 - Jesse C

Float Equip: Manufacturer _____
Shoe: Type IR Floaty Depth 3659
Float: Type _____ Depth _____
Centralizers: Quantity _____ Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. _____
Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG
Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Homero Hernandez CEMENTER [signature]

TIME AM/PM	PRESSURES PSI DRILL PIPE CASING	PRESSURES PSI ANNULUS	FLUID PUMPED DATA TOTAL FLUID	FLUID PUMPED DATA Pumped Per Time Period	FLUID PUMPED DATA RATE Bbls Min.	REMARKS
1200 pm						on location - safety meeting
134 pm			19		1.38	mix 115 sk Acon at 12#
148 pm			8		2	mix 65 sk com. .75cd31 .25% dFoamer at 14#
154 pm						load plug
			56			start displace with water
1:57	50		9 in		3	into displace with water
159	50		18 in		4.5	into displace with water
201	50		27 in		4.5	into displace with water
203	300		36 in		4.5	into displace with water
206	500		45 in		3	into displace with water
209	1400		56 in		3	land plug
						wash up
						teardown
230 pm						leave location

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLS. THANK YOU

MILLER PRINTERS, INC. - Great Bend, KS