



Field Ticket Number: LIB1701081903/0030 Field Ticket Date: Monday, January 09, 2017

Bill To:
MERIT ENERGY COMPANY
Liberal, KS 67901
P O Box 1293 / 1900 W 2nd St

Job Name: 02 Production/Long String
Well Location: Haskell, KS
Well Name: Longbow
Well Number: 4-10
Well Type: New Well
Rig Number:
Shipping Point: Liberal, KS
Sales Office: Mid Con

PERSONEL		EQUIPMENT	
ALDO ESPINOZA		984-	
CRISTIAN CAMACHO		1071-545	
ALEX AYALA		956-841	
VICTOR GARCIA		774-1066	

SERVICES - SERVICES - SERVICES

Description	QTY	UOM	Unit Amt	Gross Amt	Unit Net	Discount	Net Amount
PUMP, CASING CEMENT 5001-6000 FT	1.00	min. 4 hr	3,099.25	3099.25	1,022.75	67.0%	1,022.75
CMLP	1.00	per day	275.00	275.00	90.75	67.0%	90.75
PHDL	527.00	per cu. Ft.	2.48	1306.96	0.82	67.0%	431.30
DRYG	1076.00	ton-mile	2.75	2959.00	0.91	67.0%	976.47
MILV	50.00	per mile	4.40	220.00	1.45	67.0%	72.60
MIHV	50.00	per mile	7.70	385.00	2.54	67.0%	127.05

FLOAT EQUIPMENT -- FLOAT EQUIPMENT -- FLOAT EQUIPMENT

GS-5.5	1.00	each	281.00	281.00	126.45	55.0%	126.45
SSFC-5.5	1.00	each	725.00	725.00	326.25	55.0%	326.25
CEN-5.5	25.00	each	57.00	1,425.00	25.65	55.0%	641.25
SC - 5.5	1.00	each	5,335.00	5,335.00	2,400.75	55.0%	2,400.75
TLK - 5.5	6.00	each	85.00	510.00	38.25	55.0%	229.50
CB-5.5	1.00	each	395.00	395.00	177.75	55.0%	177.75

MATERIALS - MATERIALS - MATERIALS

CW-HVS	12.00	bbl	58.70	704.40	19.37	67.0%	232.45
CW-HVS	12.00	bbl	58.70	704.40	19.37	67.0%	232.45
CB-APH ✓	125.00	sack	21.79	2,723.75	7.19	67.0%	898.84
CFL-210	53.00	pound	18.90	1,001.70	6.24	67.0%	330.56
CLC-KOL	625.00	pound	0.98	612.50	0.32	67.0%	202.13
CLC-CPF	32.00	pound	2.97	95.04	0.98	67.0%	31.36
CA-500	525.00	pound	0.88	462.00	0.29	67.0%	152.46
CA-200	767.00	pound	0.68	521.56	0.22	67.0%	172.11
CD-100	21.00	pound	7.73	162.33	2.55	67.0%	53.57
CDF-100P	25.00	pound	3.50	87.50	1.16	67.0%	28.88
CB-ASA ✓	210.00	sack	23.50	4,935.00	7.76	67.0%	1,628.55
CFL-210	99.00	pound	18.90	1,871.10	6.24	67.0%	617.46
CLC-KOL	1050.00	pound	0.98	1,029.00	0.32	67.0%	339.57
CLC-CPF	53.00	pound	2.97	157.41	0.98	67.0%	51.95
CDF-100P	42.00	pound	3.50	147.00	1.16	67.0%	48.51
CB-ASA ✓	50.00	sack	23.50	1,175.00	7.76	67.0%	387.75
CFL-210	24.00	pound	18.90	453.60	6.24	67.0%	149.69
CLC-KOL	250.00	pound	0.98	245.00	0.32	67.0%	80.85

CLC-CPF	13.00	pound	2.97	38.61	0.98	67.0%	12.74
CDF-100P	10.00	pound	3.50	35.00	1.16	67.0%	11.55

ADDITIONAL ITEMS - ADDITIONAL ITEMS - ADDITIONAL ITEMS

Additional hours, in excess of set hours	2.00	per hour	440.00	880.00	145.20	67.0%	290.40
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	Gross	Discount	Final
Services Total	8,245.21	5,524.29	2,720.92
Equipment Total	8,671.00	4,769.05	3,901.95
Materials Total	17,161.90	11,498.47	5,663.43
Additional Items	880.00	589.60	290.40
Final Total	34,958.11	22,381.41	12,576.70

Allied Rep: ALDO ESPINOZA
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 Rodriguez _____ Field Ticket Total (USD): **\$12,576.70**
Customer Signature

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:

A). Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and

B). Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2). With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3). ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

-WARRANTIES:

1). ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and services when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER BY PRAISE OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2). More specifically:

A). Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

B). Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross

C). Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent, and ALLIED will accomplish the jobs as an independent contractor and not as an employee or agent of the CUSTOMER.

Handwritten notes and stamps: "Lance", "308", "Office", "Date", and a large red stamp with illegible text.



Cement Job Summary

Job Number: LIB1701081903/Job Purpose 02 Production/Long String		Date: 1/9/2017	
Customer: MERIT ENERGY COMPANY		Well Name: Longbow	
County: Haskell		Number: 4-10	
City:		API/UWI:	
Cust. Rep:		State: KS	
Phone:		Rig Name: DUKE 9	
Rig Phone:		Supervisor: Aldo Espinosa	
Legal Desc:		Distance: 50 miles (one way)	
Supervisor:		Aldo Espinosa	

Employees:	Emp. ID:	Employees:	Emp. ID:
ALDO ESPINOZA			
CRISTIAN CAMACHO			
ALEX AYALA			
VICTOR GARCIA			
Equipment:			
984-			
1071-545			
956-841			
774-1066			

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	7 7/8	25%	5000	5,900		
OPEN HOLE	7 7/8			5,000		
OPEN HOLE	7 7/8					
OPEN HOLE	7 7/8					
Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING	8 5/8	24	8.097	J-55	0	1,450
TOTAL CASING	5 1/2	17	4.892	J55	0	5,890
STAGE TOOL	5 1/2	17	4.892	J55		4,992
SHOE	5 1/2	17	4.892	J55	5,848	5,890

Materials - Pumping Schedule						
STAGE #1						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	HIVIS SWEEP	12	8.40	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Tail 1	ALLIED 50/50 POZ BLEND - CLASS H	125	13.60	1.61	7.36	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.42	% BWOC	52.5	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	625.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	31.3	lbm	
CA-500	GYPSUM	4.2	% BWOC	525.0	lbm	
CA-200	SODIUM CHLORIDE	6.13088	% BWOW	766.4	lbm	
CD-100	CEMENT DISPERSANT	0.168	% BWOC	21.0	lbm	
CDF-100P	DEFOAMER - POWDER	0.2	lb/sk	25.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 3	Displacement	136.1762333	8.33	n/a	n/a	
STAGE #2						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Stg 2 Spacer 1	HIVIS SWEEP	12	8.40	n/a	n/a	



Cement Job Summary

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	210	13.60	1.92	9.56
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	98.7	lbm
CLC-KOL	KOL-SEAL	5	lb/sk	1050.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	52.5	lbm
CDF-100P	DEFOAMER - POWDER	0.2	lb/sk	42.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Tail 2	ALLIED SPECIAL BLEND CEMENT - CLASS A	50	12.10	2.81	16.00
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CFL-210	FLUID LOSS ADDITIVE - LOW TEMP	0.47	% BWOC	23.5	lbm
CLC-KOL	KOL-SEAL	5	lb/sk	250.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	12.5	lbm
CDF-100P	DEFOAMER - POWDER	0.2	lb/sk	10.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Disp. 1	Displacement	116.2309946	8.33	n/a	n/a

Job Number: LIB1701081903/		Job Purpose: 02 Production/Long String			
Customer: MERIT ENERGY COMPANY			Date: 1/9/2017		
Well Name: Longbow		Number: 4-10	API/UWI:		
County: Haskell	City:		State: KS		
Cust. Rep:		Phone:	Rig Phone: 0		
Distance: 50 miles (one way)		Supervisor:	Aldo Espinosa		
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
1/8/2017					DATE
200pm					on location
230pm					rig up
500pm					casing on bottom
515pm					when rig was circulating, when ball hit shoe
					pressured up to 2500 psi
530pm					safety meeting
547pm	3000			1	pressure test lines 3000 psi
548pm	430		12	4	12 bbl havis sweep
554pm	200		35	4	125sk/35 bbl slurry
617pm					shut manifold, drop plug
619pm				3	wash pumping lines to pit
623pm	70			3	start displacement
627pm	70		20	4	20 bbl gone
633pm	120		20	4	40 bbl gone
638pm	140		20	4	60 bbl gone
643pm	130		20	4	80 bbl gone
647pm	300		20	4	100 bbl gone
650pm	360		10	2.5	110 slow down to 2.5 bpm to go thru DV Tool
654pm	500		10	2.5	120 bbl gone
703pm	600		16	2.5	136 bbl shit it in, didn't bump plug
706pm	0				check floats, not holding, 1 bbl back
708pm					talked to company ing. Assuming that
					float is damaged according to the pressure
					registered when ball hit it, decided to wait
710pm					30 min to drop tool opener
740pm					drop tool opener, give 20 min
800pm	900			1.5	open tool 900 psi to open



Cement Job Summary

802pm	300		20	4	brake circulation, swap to rig
					SECOND STAGE
1050pm					swap to pump
1055pm	280		12	4	12 bbl havis sweep
1113pm	60		25	2	cement rat & mouse
1120pm	220		72	4	210sk/72 bbl cement
1155pm				3	wash pumping lines to pit
1201am	100			3	start displacement
1006am	110		20	4	20 bbl gone
1210am	120		20	4	40 bbl gone
1214am	130		20	5	60 bbl gone
1218am	480		20	5	80 bbl gone
1223am	780		20	2.5	100 bbl slow down to 2.5 bpm
1230am	980-2500		16	2.5	116 bbl bump plug, 1500 over
1233am	0				DV Tool holding
1240am					rig down
120am					leave location
					thanks