AUTHORIZATION

CEMENT FIELD TICKET AND TREATMENT REPORT

ustomer	JBD	State, County	Chautauqua , Kansas	Cement Type	CLASS A
b Type	Long String	Section	15	Excess (%)	30
ustomer Acct #	4291	TWP	34	Density	14
/ell No.	Lowe #15-3	RGE	12	Water Required	7.9
ailing Address		Formation		Yeild	1.74
ity & State		Tubing		Sacks of Cement	110
p Code		Drill Pipe		Slurry Volume	34 bbl
ontact		Casing Size	4 1/2"	Displacement	16
mail		Hole Size	6 3/4"	Displacement PSI	500
ell		Casing Depth	1008'	MIX PSI	200
ispatch Location	BARTLESVILLE	Hole Depth		Rate	4 bpm
ode	Cement Pump Charges and Mileage	Quantity	Unit.	Price per Unit	
5401	CEMENT PUMP (2 HOUR MAX)	1	2 HRS MAX	\$1,085.00	\$ 1,085.00
5402	FOOTAGE	1008	PER FOOT	\$0.23	\$ 231.84
5406	EQUIPMENT MILEAGE (ONE-WAY)	40	PER MILE	\$4.20	\$ 168.00
5407	MIN. BULK DELIVERY (WITHIN 50 MILES)	1	PER LOAD	\$368.00	\$ 368.00
5621	4 1/2 INCH PLUG CONTAINER	1	PER UNIT	\$215.00	\$ 215.00
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	•
1					
		, .A.	T	EQUIPMENT TOTAL	\$ 2,067.84
	Cement, Chemicals and Water	1 1			
	WC. CEMENT (CAL SEAL) 6%OWC. 2% CAL.CLORIDE 2% GE		0	\$19.75	\$ 2,172.50
1118B	PREMIUM GEL/BENTONITE (50#)	200	0	\$0.22	\$ 44.00
1107A	PHENOSEAL	40	0	\$1.35	\$ 54.001
1110A	KOL SEAL (50 # SK)	650	0	\$0.46	\$ 299.00
1111	GRANULATED SALT (50#) SELL BY #	700	0	\$0.39	\$ 273.00
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
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Ö			0	\$0.00	\$ -
0			0	\$0.00	\$ -
ő			0	\$0.00	\$ -
			0		
				Chemical Total	\$ 2,842.50
	Cement Water Transports				
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
					\$ -
0	Cement Floating Equipment (TAXABLE)	^ \		\$0.00	\$ -
0	Cement Floating Equipment (TAXABLE)		0	\$0.00	\$ -
0	Cement Floating Equipment (TAXABLE)	^* ~	0	\$0.00 Transports Total	\$ -
0	Carment Basicet		0	\$0.00 Transports Total	\$ -
0			0	\$0.00 Transports Total	\$ -
0	Carment Basicet		0	\$0.00 Transports Total \$0.00	\$ -
0 0	Cameni Başket		0 0 0	\$0.00 Transports Total \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ -
0 0 0	Carment Basicet		0 0 0 0	\$0.00 Transports Total \$0.00 \$0.00	\$ - \$ - \$ - \$ -
0 0 0	Comment Bender Comment Bender Float Shoe		0 0 0	\$0.00 Transports Total \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ -
0 0 0	Cameni Başket		0 0 0 0 0	\$0.00 Transports Total \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ -
0 0 0	Float Collars		0 0 0 0	\$0.00 Transports Total \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ -
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Comment Bender Comment Bender Float Shoe			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ -
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Guide Shoes			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ - \$ -
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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Guide Shoes Baffle and Flapper Plates			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ - \$ -
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Guide Shoes			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ - \$ -
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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Guide Shoes Baffle and Flapper Plates			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ - \$ -
	Float Shoe Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ - \$ -
	Float Shoe Float Shoe Guide Shoes Baffle and Flapper Plates Packer Shoes			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ - \$ -
	Float Shoe Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ - \$ -
	Float Shoe Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ - \$ - \$ -
	Float Shoe Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ \$ \$ \$ \$ \$ \$
	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc.			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ \$ \$ \$ \$ \$ \$
	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc.			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ \$ \$ \$ \$ \$ \$
0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc. Plugs and Ball Sealers 4' 1/2" RUBBER PLUG			\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ \$ \$ \$ \$ \$ \$
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc.		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.00 Transports Total \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ \$ \$ \$ \$ \$ \$
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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc. Plugs and Ball Sealers 4' 1/2" RUBBER PLUG		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.00 Transports Total \$0.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc. Plugs and Ball Sealers 4' 1/2" RUBBER PLUG DOWnhole Tools DRIVER NAME		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.00 Transports Total \$0.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc. Plugs and Ball Sealers 4' 1/2" RUBBER PLUG		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.00 Transports Total \$0.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Bail Valves, Swedges, Clamps, Misc. Plugs and Bail Sealers 4' 1/2" RUBBER PLUG Downhole Tools DRIVER NAME		O O O O O O O O O O O O O O O O O O O	\$0.00 Transports Total \$0.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Baill Valves, Swedges, Clamps, Misc. Plugs and Bail Sealers 4' 1/2" RUBBER PLUG Downhole Tools DRIVER NAME Girk Sanders Bryan Scullawl		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.00 Transports Total \$0.00	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -

CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	JBD	State, County	Chautauqua , Kansas	Cement Type	CLASS A
Job Type	Long String	Section	15	Excess (%)	30
Customer Acct #	0	TWP	34	Density	14
Well No.	Lowe #15-3	RGE	12	Water Required	7.9
Mailing Address	0	Formation	0	Yeild	1.74
City & State	0	Tubing	0	Sacks of Cement	110
Zip Code	0	Drill Pipe	0	Slurry Volume	34 bbl
Contact	0	Casing Size	4 1/2"	Displacement	16
Email	0	Hole Size	6 3/4"	Displacement PSI	500
Cell	0	Casing Depth	1008'	MIX PSI	200
Dispatch Location	BARTLESVILLE	Hole Depth	0	Rate	4 bpm
Time:	Description	Rate (bpm)	Volume (bbl)	Pressure	Notes
	Amount of Cement Left in Casing				
D 1416	The second of th	Remarks:			
kan gei / LC	M to establish circ., ran 110sx of OWC mix w/ 6# kol				piaced to set.
	Landed plug @ 1000#, plug i	neia. Circulated cement to si	urface, shut down and washed	up.	
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