



Customer: TOP OPERATING	Rig: Swabbco : Cement Unit: CP7
Company Foreman: Derek Dupee'	Date: 12/7/2021
Well Name: TANAKA BROS 1	Invoice Number: 120221-1
Start time: 8:00am	End Time: 4:00PM

Job Log:

CP7, Drove to location, signed JSA, spot in equipment, wait on orders to pump, and rigged up, had safety meeting, RU valve, pressure test lines to 1,500 psi. Status: 2 3/8 4.6#, 4 1/2 11.6# casing . 20sx G cement , 15.8# , 1.15 yield , 5bbl lead , rate 2 bbl per min , max pressure 360 psi , EOT 5140' , TOC 4876' , displaced with 18.2 bbl h20 , stand by and wait on orders , wash out pump , rig down , crew travel .

Service and Equipment Charges

Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	0		
4 hour cementer charge	by 4 hours	0		
Environmental fee*	per job	0		
Pickup mileage	per mile	0		
Cement Pump and Pneumatic Bulker mileage	per mile	0		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	0		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	3		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	0		
Fresh water	per bbl.	0		

Service and Equipment Totals

Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	0
Thermal Cement (Class G with 35% silica flour)	Per sack	0
Defoamer	Per Gallon	0
Calcium Chloride (CaCl)	Per pound	0
Retarder	Per Gallon	0
SAPP	Per sack	0
LCM Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	0

Material & Product Totals



Total
\$ 1,485.00



Customer: TOP OPERATING	Rig: Swabbco : Cement Unit: CP7
Company Foreman: Derek Dupee'	Date: 12/8/2021
Well Name: TANAKA BROS 1	Invoice Number: 120221-2
Start time: 12:00pm	End Time: 4:00pm

Job Log:
 CP7, Drove to location, signed JSA, spot in equipment, wait on orders to pump, and rigged up, had safety meeting, RU valve, pressure test lines to 1,500 psi. Status: stand by and wait on orders , blow down pump , rig down , crew travel .

Service and Equipment Charges

Description	Unit	Quantity	
Restrains, high pressure iron	per job	0	
4 hour cementer charge	by 4 hours	0	
Environmental fee*	per job	0	
Pickup mileage	per mile	0	
Cement Pump and Pneumatic Bulker mileage	per mile	0	
Data Acquisition System	per job	0	
Bulk material mixing service charge	cubic foot	0	
Additional pneumatic hours (non discounted)	per hour	0	
Additional cement pump hours (non discounted)	per hour	3	
Cut and Cap fee	per request	0	
Fresh Water Transport	per hour	0	
Fresh water	per bbl.	0	

Service and Equipment Totals

Material & Products

Description	Unit	Quantity	
Class G neat cement	Per sack	0	
Thermal Cement (Class G with 35% silica flour)	Per sack	0	
Defoamer	Per Gallon	0	
Calcium Chloride (CaCl)	Per pound	0	
Retarder	Per Gallon	0	
SAPP	Per sack	0	
LCM Cement (IWS 13, IWS EXP, CaCl ₂ , Fluid Loss)	Per sack	0	

Material & Product Totals

Total
\$ 1,485.00





Customer: TOP OPERATING	Rig: Swabbc0 : Cement Unit: CP7
Company Foreman: Derek Dupee'	Date: 12/9/2021
Well Name: TANAKA BROS 1	Invoice Number: 120221-3
Start time: 8:30am	End Time: 12:30pm

Job Log:

CP7, Drove to location, signed JSA, spot in equipment, wait on orders to pump, and rigged up, had safety meeting, RU valve, pressure test lines to 1,500 psi. Status: 70sx G cement 2% CACL BWOW , 15.8# , 1.15 cu.ft./sack yield , 5 bbl h2o lead , 1.7 bbl per min , max pressure 700 psi ,CIRC @ 2470' , perms @ 2500' , squeezed 12.3 bbls of slurry throught CICR , displace with 7.5 bbl h2o , leaving 10 sx on top of CICR , TOC 2338' , used 1 gallon defoamer , wash out pump , blow down pump , rig down , crew travel .

Service and Equipment Charges

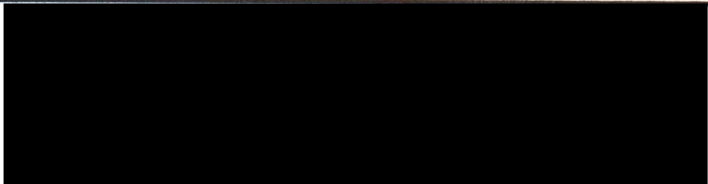
Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	1		
4 hour cementer charge	by 4 hours	1		
Environmental fee*	per job	1		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	0		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	0		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	0		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	6		
Fresh water	per bbl.	80		

Service and Equipment Totals

Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	70
Thermal Cement (Class G with 35% silica flour)	Per sack	0
Defoamer	Per Gallon	1
Calcium Chloride (CaCl)	Per pound	60
Retarder	Per Gallon	0
SAPP	Per sack	0
LCM Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	0

Material & Product Totals





Customer: TOP OPERATING	Rig: Swabbco Cement Unit: CP7
Company Foreman: Derek Dupee'	Date: 12/13/2021
Well Name: TANAKA BROS 1	Invoice Number: 120221-4
Start time: 10:30am	End Time: 2:30pm

Job Log:
 CP7, Drove to location, signed JSA, spot in equipment, wait on orders to pump, and rigged up, had safety meeting, RU valve, pressure test lines to 1,500 psi. Status: 50sx G cement, 15.8#, 1.15 cu.ft./sack yield, 5 bbl h2o lead, 1 bbl per min, max pressure 1100 psi, CIRC @ 2350', perms @ 2400', squeezed 10.2 bbls of slurry through CICR, displace with 9.2 bbl h2o, TOC 2350', used 1 gallon defoamer, wash out pump, blow down pump, rig down, crew travel.

Service and Equipment Charges

Description	Unit	Quantity	Price	Net Amount
Restrains, high pressure iron	per job	1		
4 hour cementer charge	by 4 hours	1		
Environmental fee*	per job	1		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	200		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	0		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	0		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	6		
Fresh water	per bbl.	80		

Service and Equipment Totals

Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	50
Thermal Cement (Class G with 35% silica flour)	Per sack	0
Defoamer	Per Gallon	1
Calcium Chloride (CaCl)	Per pound	0
Retarder	Per Gallon	0
SAPP	Per sack	0
LCM Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	0





Customer: TOP OPERATING	Rig: Swabbc0 : Cement Unit: CP7
Company Foreman: Derek Dupee'	Date: 12/16/2021
Well Name: TANAKA BROS 1	Invoice Number: 120221-5
Start time: 9:00am	End Time: 2:00pm

Job Log:

CP7, Drove to location, signed JSA, spot in equipment, wait on orders to pump, and rigged up, had safety meeting, RU valve, pressure test lines to 1,500 psi. Status: tubing 2 3/8" 4.6#, casing 4 1/2" 11.6#, 8" open hole, 40sx Thixotropic, Gypsum, Sodium Metasilicate, and Calcium Chloride used in slurry in proprietary amounts, 14.0#, 1.64 cu.ft./sack yield, 5 bbl h2o lead, 2 bbl per min, max pressure 250 psi, CIRC @ 2260', perms @ 2010' and 2280', squeezed 11.6 bbls of slurry through CIRC, displace with 8.7 bbl h2o, TOC 2260', used 1 gallon defoamer, wash out pump, blow down pump, rig down, crew travel.

Service and Equipment Charges

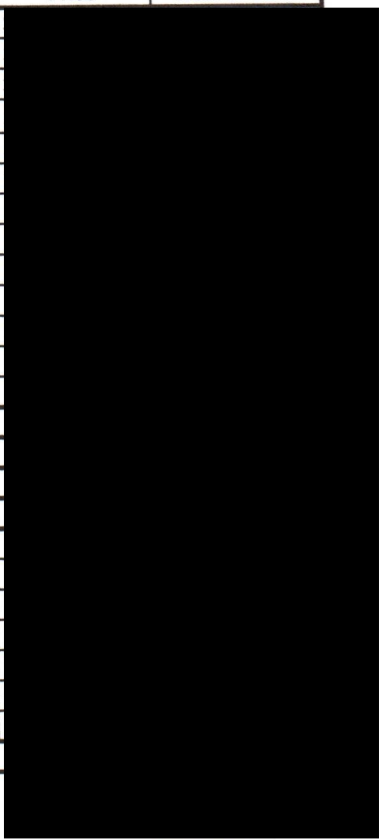
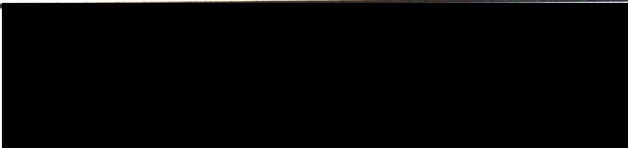
Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	1		
4 hour cementer charge	by 4 hours	1		
Environmental fee*	per job	1		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	200		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	66		
Additional pneumatic hours (non discounted)	per hour	1		
Additional cement pump hours (non discounted)	per hour	1		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	6		
Fresh water	per bbl.	80		

Service and Equipment Totals

Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	0
Thermal Cement (Class G with 35% silica flour)	Per sack	0
Defoamer	Per Gallon	1
Calcium Chloride (CaCl)	Per pound	0
Retarder	Per Gallon	0
SAPP	Per sack	0
Thixotropic Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	40

Material & Product Totals





Customer: TOP OPERATING	Rig: Swabco : Cement Unit: CP7
Company Foreman: Derek Dupee'	Date: 12/17/2021
Well Name: TANAKA BROS 1	Invoice Number: 120221-6
Start time: 12:30pm	End Time: 4:30pm

Job Log:

CP7, Drove to location, signed JSA, spot in equipment, wait on orders to pump, and rigged up, had safety meeting, RU valve, pressure test lines to 1,500 psi. Status: tubing 2 3/8" 4.6#, casing 4 1/2" 11.6#, 8" open hole, 80sx Thixotropic, Gypsum, Sodium Metasilicate, and Calcium Chloride used in slurry in proprietary amounts, 14.0#, 1.64 cu.ft./sack yield, 5 bbl h2o lead, 2 bbl per min, max pressure 250 psi, CIRC @ 1974', perfs @ 2010' and 2012', squeezed 23.3 bbls of slurry through CICR, displace with 7.6 bbl h2o, TOC 1974', used 1 gallon defoamer, wash out pump, blow down pump, rig down, crew travel.

Service and Equipment Charges

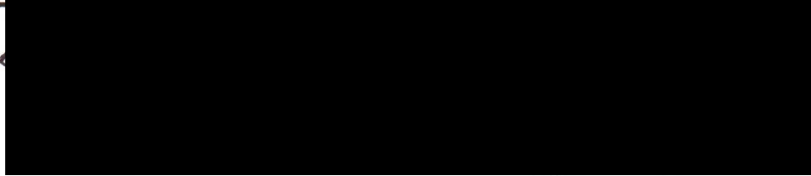
Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	1		
4 hour cementer charge	by 4 hours	1		
Environmental fee*	per job	1		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	200		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	131		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	0		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	6		
Fresh water	per bbl.	80		

Service and Equipment Totals

Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	0
Thermal Cement (Class G with 35% silica flour)	Per sack	0
Defoamer	Per Gallon	1
Calcium Chloride (CaCl)	Per pound	0
Retarder	Per Gallon	0
SAPP	Per sack	0
Thixotropic Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	80

Material & Product Totals





Customer: TOP OPERATING	Rig: Swabbco : Cement Unit: CP7
Company Foreman: Derek Dupee'	Date: 12/20/2021
Well Name: TANAKA BROS 1	Invoice Number: 120221-7
Start time: 11:00am	End Time: 3:00pm

Job Log:
 CP7, Drove to location, signed JSA, spot in equipment, wait on orders to pump, and rigged up, had safety meeting, RU valve, pressure test lines to 1,500 psi. Status: tubing 2 3/8" 4.6#, casing 4 1/2" 11.6#, 8" open hole, 245sx G cement 15.8#, yield 1.15, 5 bbl lead h2o, rate 1.8 bbl per min, max pressure 50 psi, depth 670', perms @ 670', TOC surface, 20sx top off, all annular spaces filled with 15.8# cement, used 1 gallon defoamer, wash out pump, blow down pump, rig down, crew travel.

Service and Equipment Charges

Description	Unit	Quantity	Price	Net Amount
Restraints, high pressure iron	per job	1		
4 hour cementer charge	by 4 hours	1		
Environmental fee*	per job	1		
Pickup mileage	per mile	100		
Cement Pump and Pneumatic Bulker mileage	per mile	200		
Data Acquisition System	per job	0		
Bulk material mixing service charge	cubic foot	305		
Additional pneumatic hours (non discounted)	per hour	0		
Additional cement pump hours (non discounted)	per hour	0		
Cut and Cap fee	per request	0		
Fresh Water Transport	per hour	6		
Fresh water	per bbl.	80		

Service and Equipment Totals

Material & Products

Description	Unit	Quantity
Class G neat cement	Per sack	265
Thermal Cement (Class G with 35% silica flour)	Per sack	0
Defoamer	Per Gallon	1
Calcium Chloride (CaCl)	Per pound	0
Retarder	Per Gallon	0
SAPP	Per sack	0
Thixotropic Cement (IWS 13, IWS EXP, CaCl2, Fluid Loss)	Per sack	0

Material & Product Totals

