



Cement Job Summary

Job Number: 11b1605182130	Job Purpose: 04 Port Collar/Stage
Customer: Berexco LLC	Date: 5/18/2016
Well Name: Earl Arnold	Number: 7-3
County: Stanton	City:
Cust. Rep: 	State: Kansas
Distance: 50 miles (one way)	Phone:
	Rig Phone:
	Supervisor: Lenny Baeza

Employees:	Emp. ID:	Employees:	Emp. ID:
Kirby Harper		Kindel Holman	
Paul Mazzalongo		Lenny Baeza	
Ramon Escarcega			

Equipment:	
994-550	1080-842
	774-744

Materials - Pumping Schedule

STAGE #1

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	5	8.34	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	150	11.54	2.95	18.00
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	165	14.80	1.51	6.55
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Fresh Water	59.5	8.34	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 2	Drilling Mud	76.2	9.00	n/a	n/a

STAGE #2

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Spacer 1	FRESH WATER	5	8.34	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	175	11.58	2.95	17.85
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	50	14.80	1.51	6.55
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Tail 2	ALLIED MULTI-DENSITY CEMENT - CLASS A	50	12.00	2.20	12.60
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Stg 2 Disp. 1	Fresh Water	76.2	8.34	n/a	n/a

Slurry: Lead 1

Slurry Name: ALLIED MULTI-DENSITY CEMENT - CLASS A

Quantity:	150 sacks	Blend Vol:	179.26 cu.ft.	Blend Weight:	15715.32 lbs
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CCAC	CLASS A COMMON	94	% Base Materia	14100.0	lbm
CA-500	GYPSUM	1.88	% BWOC	282.0	lbm
CA-200	SODIUM CHLORIDE	1.88	% BWOC	282.0	lbm
CGEL	GEL - BENTONITE	3.76	% BWOC	564.0	lbm
CA-300	POTASSIUM CHLORIDE	2.9988	% BWOW	449.8	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	37.5	lbm
Water	Mixing Water	18.00	gal/sk	2700	gal

Slurry: Tail 1

Slurry Name: ALLIED SPECIAL BLEND CEMENT - CLASS A

Quantity:	165 sacks	Blend Vol:	218.02 cu.ft. cu.ft.	Blend Weight:	18604.575 lbs
-----------	-----------	------------	----------------------	---------------	---------------

[Handwritten signature]



Cement Job Summary

Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CCAC	CLASS A COMMON	94	% Base Materia	15510.0	lbm
CA-200	SODIUM CHLORIDE	6	lb/sk	990.0	lbm
CA-500	GYPSUM	5.17	% BWOC	853.1	lbm
CGEL	GEL - BENTONITE	1.88	% BWOC	310.2	lbm
CLC-KOL	KOL-SEAL	5	lb/sk	825.0	lbm
CFL-330	FLUID LOSS ADDITIVE - LOW DENSITY SLURRIES	0.47	% BWOC	77.6	lbm
CDF-100P	DEFOAMER - POWDER	0.235	% BWOC	38.8	lbm
Water	Mixing Water	6.55	gal/sk	1080.8	gal

Slurry: Stg 2 Lead 1		Slurry Name: ALLIED MULTI-DENSITY CEMENT - CLASS A				
Quantity:	175 sacks	Blend Vol:	215.59 cu.ft.	Blend Weight:	18659.16675 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	16450.0	lbm	
CA-500	GYPSUM	1.88	% BWOC	329.0	lbm	
CA-200	SODIUM CHLORIDE	1.88	% BWOC	329.0	lbm	
CGEL	GEL - BENTONITE	3.76	% BWOC	658.0	lbm	
CA-300	POTASSIUM CHLORIDE	2.97381	% BWOW	520.4	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	43.8	lbm	
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	329.0	lbm	
Water	Mixing Water	17.85	gal/sk	3123.75	gal	

Slurry: Stg 2 Tail 1		Slurry Name: ALLIED SPECIAL BLEND CEMENT - CLASS A				
Quantity:	50 sacks	Blend Vol:	666337408389 cu.ft.	Blend Weight:	5637.75 lbs	
Material	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	4700.0	lbm	
CA-200	SODIUM CHLORIDE	6	lb/sk	300.0	lbm	
CA-500	GYPSUM	5.17	% BWOC	258.5	lbm	
CGEL	GEL - BENTONITE	1.88	% BWOC	94.0	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	250.0	lbm	
CFL-330	FLUID LOSS ADDITIVE - LOW DENSITY SLURRIES	0.47	% BWOC	23.5	lbm	
CDF-100P	DEFOAMER - POWDER	0.235	% BWOC	11.8	lbm	
Water	Mixing Water	6.55	gal/sk	327.5	gal	

Slurry: Stg 2 Tail 2		Slurry Name: ALLIED MULTI-DENSITY CEMENT - CLASS A				
Quantity:	50 sacks	Blend Vol:	59.12 cu.ft.	Blend Weight:	5193.46 lbs	
Material	Description	Weight (lb/sk)	Determined by	Load Volume	UOM	
CCAC	CLASS A COMMON	94	% Base Materia	4700.0	lbm	
CA-500	GYPSUM	1.88	% BWOC	94.0	lbm	
CA-200	SODIUM CHLORIDE	1.88	% BWOC	94.0	lbm	
CGEL	GEL - BENTONITE	3.76	% BWOC	188.0	lbm	
CA-300	POTASSIUM CHLORIDE	2.09916	% BWOW	105.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	12.5	lbm	
Water	Mixing Water	12.60	gal/sk	630	gal	

Job Number:	Lib1605182130	Job Purpose	04 Port Collar/Stage			
Customer:	Berexco LLC	Date:	5/18/2016			
Well Name:	Earl Arnold	Number:	7-3			
County:	Stanton	City:				
Cust. Rep:		State:	Kansas			
Distance	50 miles (one way)	Phone:				
		Rig Phone:	0			
		Supervisor	Lenny Baeza			
DATE	TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
	AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
5/18/2016	3:00pm					
ARRIVE ON LOCATION						

Cement Job Summary

1st Stage	7:45pm					SAFETY MEETING
	8:00pm					PUMP WATER AHEAD
	8:02pm	3000		0		Pressure test lines
	8:04pm	240		5	4	5 bbls of flush water ahead
	8:06pm	230		83	4	Mixing Lead Cement 11.5#
	8:28pm	210		127	5	Mixing Tail Cement 14.8#
	8:48pm	0		127	0	Shut down to washing pump
						lines to the pit and drop plug
	8:53pm	110		127	4	Dropped plug and starting
						displacement of 60 bbls of
						water and 73 bbls of MUD
	9:03pm	250		187	6	60 bbls gone and swapping
						to MUD
	9:04pm	250		207	6	80 bbls gone
	9:06pm	760		227	5	100 bbls gone
	9:17pm	1030		247pm	3	120 bbls gone slowing down
					3	to land plug
	9:20pm	1800		260		133 bbls gone and laned plug
	9:22pm			260		Dropping bomb to open tool
	9:42pm	840		260		Tool opened and circulate for
						4 hrs
5-19-16	1:00am				3	Plugging rat and mouse hole
2nd Stage	1:30am			5	5	5 bbls flush
	1:40am	210		97	5	Mixing lead cement 11.5#
	2:04am	180		110	4	Mixing Tail cement 14.8#
	2:10am	0		110	0	Shut down to wash to pit
	2:16am	80		110	4	Plug left head and started
						displacement of 76 bbls
	2:24am	280		150	6	40 bbls gone
	2:28am	540		170	5	60 bbls gone
	2:29am	570		176	3	66 bbls gone slowing down
						to land the plug
	2:32am	2000		186	3	76 bbls gone and landed plug
						Released and float holding
		2500				Went up to 2500 psi to make
						Sure DV Tool Closed
						Full returns threw job
						Rigging up
						Leaving location @3:30am