



## Cement Job Summary

Job Number: <b>Lib1612071521</b>		Job Purpose: <b>02 Production/Long String</b>	
Customer:	<b>Linn Energy</b>		Date: <b>12/7/2016</b>
Well Name:	<b>Pickeles</b>	Number: <b>1-17</b>	API/UWI:
County:	<b>Finney</b>	City: <b>Garden City, KS</b>	State: <b>Kansas</b>
Cust. Rep:	Phone:	Rig Phone:	
Legal Desc:	Rig Name: <b>Quest Drilling#211</b>		
Distance	<b>50 miles (one way)</b>	Supervisor: <b>Hector Esqueda</b>	

Employees:	Emp. ID:	Employees:	Emp. ID:
Hector Esqueda		Carlos Ibarra	
Victor Garcia			
<b>Equipment:</b>			
993-541		788-553	
1039-2			

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	7 7/8	10%	3700	4,900	TAIL CEMENT	
OPEN HOLE	7 7/8	30%	1800	3,700	LEAD CEMENT	
OPEN HOLE	7 7/8			1,800		
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	1,800
TOTAL CASING	5 1/2	15.5	4.892	J-55	0	4,900
SHOE	5 1/2	15.5	4.892	J-55	4,858	4,900

Materials - Pumping Schedule						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	HIVIS SWEEP	12	8.50	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	230	11.74	2.80	16.62	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	115.0	lbm	
CLC-KOL	KOL-SEAL	3	lb/sk	690.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	120	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	56.4	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	600.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	30.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Disp. 1	2% KCL Water	112.9300344	8.33	n/a	n/a	

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Cust. Rep:		Phone:		Rig Phone: 0	
Distance 50 miles (one way)			Supervisor		Hector Esqueda
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	
10:30					arrived to loaction
10:35					spot trucks in
10:45					rig up the water hoses and the iron to the floor
					wait on rig crew to finish up the casing so we can put on the head and manifold and rig up the rest of the iron
12:30					rig crew done running casing finish rigging up the iron and head and manifold
12:30					prime up the pump and start mixing the 12bbl Hivis Sweep
13:35	3200				pressure test line to 3200Psi
13:39	930		12	2.5	start pumping the Hivis sweep
13:42	620		114	4.5	start pumping the lead cement @ 11.74#
14:20	80		41	4	start the Tail cement @ 13.60#
14:31					shut down close valve to manifold and open the 2' valve to the pit
14:41					stop washing up close the 2' valve going to the pit and open up the top valve on the manifold and drop the plug
14:45	20		113	4.3	start the 113bbbls of KCL water displacement
14:47	30			5	company man wanted to displace @ 5bpm
14:50	30		20	5	20bbbls gone
14:52	130		28		caught cement @ 28bbbls in
14:53	140		30	4	30bbbls gone
14:55	270			5	increased rate back to 5bpm
14:55	280		40	5	40bbbls gone
14:58	410		50	5	50bbbls gone
15:01	500		60	4.8	60bbbls gone
15:03	580		70	4.4	70bbbls gone
15:06	700		80	4	80bbbls gone
15:09	860		90	3.5	90bbbls gone
15:13	1000		100	2.8	100bbbls gone
15:18	1060		110	1.9	110bbbls gone
15:21	1600		113.5		landed plug @ 1600Psi with 113.5bbbls of KCL Water
					wait a few minutes to make sure that the plug landed right
					release pressure to make sure that the floats are holding and they did
					got 1/2bbl back to tank
					rig down released from location @ 16:30