



## Cement Job Summary

Job Number: <b>LIB161202</b>	Job Purpose: <b>01 Surface</b>
Customer: <b>Linn Energy</b>	Date: <b>12/2/2016</b>
Well Name: <b>Pickeles</b>	Number: <b>1-17</b>
County: <b>Finney</b>	City: <b></b>
Cust. Rep: <b>Weldon Higgins</b>	State: <b>Kansas</b>
Phone: <b></b>	Rig Phone: <b></b>
Legal Desc: <b></b>	Rig Name: <b>Quest Drilling#211</b>
Distance: <b>50 miles (one way)</b>	Supervisor: <b>James Peppin</b>

Employees:	Emp. ID:	Employees:	Emp. ID:
James Peppin		Jose calderon	
Victor Corona		Ramon Escarcega	

Equipment:
903-5 / 501
842-5 / 1080-4

Well Information					
Open Hole Section					
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)	
OPEN HOLE	12 1/4	100%	1540	1,840	TAIL CEMENT
OPEN HOLE	12 1/4	100%	0	1,540	LEAD CEMENT
OPEN HOLE	12 1/4			0	

Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
PREVIOUS CASING				J-55		
TOTAL CASING	8 5/8	24	8.097	J-55	0	1,819
SHOE	8 5/8	24	8.097	J-55	1,777	1,819

**Materials - Pumping Schedule**

**STAGE #1**

Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	10	8.30	n/a	n/a
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	460	11.81	2.77	16.50
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	1297.2	lbm
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	230.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS A COMMON	200	15.62	1.19	5.20
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	1.88	% BWOC	376.0	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	50.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	0	113.1656857	8.33	n/a	n/a

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Phone: <b></b>	Rig Phone: <b>0</b>
Distance: <b>50 miles (one way)</b>	Supervisor: <b>James Peppin</b>

TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS
	CASING	ANNULUS	VOLUME	RATE (BPM)	
12:20 AM					left the yard
2:05 AM					arrive on loc and spotted trucks
10:00					had a safety meeting with rig crew
10:25	2000				test lines

### *Cement Job Summary*

10:27	90		10	4	pump H2O ahead
10:30	140		227	5	lead cmt slurry @ 11.8 wt
11:15	110		42	5	tail cmt slurry @ 15.6 wt
10:30					shut down and drop plug
11:32	510				disp plug with H2O
11:53	650		100	5	100 bbls gone on disp
11:55	610		10	3	slow rate down to bump plug
11:57					we didn't bump plug we went
					two bbls over still nothing
					customer said put 200psi on it
					and close the head in
					circ 43 bbls = 87 sks to surf
					the crew and I thank the customer
					for the job