



## Cement Job Summary

Job Number: Lib1611292239		Job Purpose: 02 Production/Long String	
Customer: Linn Energy			Date: 11/29/2016
Well Name: Sudan Interior Mission	Number: 6-17		API/UWI:
County: Finney	City:		State: Kansas
Cust. Rep:	Phone:	Rig Phone:	
Legal Desc:	Rig Name: Quest Drilling#211		
Distance: 50 miles (one way)	Supervisor: Hector Esqueda		

Employees:	Emp. ID:	Employees:	Emp. ID:
Hector Esqueda		Carlos Ibarra	
Jose Calderon			

Equipment:	Emp. ID:
993-541	955-544
	1039

Well Information						
Open Hole Section						
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	7 7/8	25%	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	220	11.77	2.75	16.50	
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM	
CLC-CPF	CELLOPHANE FLAKES	0.5	lb/sk	110.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	100	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	47.0	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	500.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	25.0	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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Distance		50 miles (one way)			Supervisor	Hector Esqueda
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS	
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)		
18:00					arrived to location	
18:30					rig up iron	
19:15					prime up pump	
19:45					mix the HIVIC sweep	
20:50	1800				pressure test to 1800Psi	
20:52	280		12	4.1	start pumping the hivic sweep	
20:55	290		107	5	start the lead cement @ 11.77#	
21:18	80		34	5	start the tail cement @ 13.60#	
21:54					shut down (drop the plug)	
					there was a miscommunication	
					with my pumper and I, we opened the top	
					valve on the manifold instead of the 2" valve	
					going to the pit to wash up cement from tub	
					so we ended up wahing up on top of the	
					plug, there will be about 100ft to 150ft	
					behind the plug.	
22:39	1500				the plug did land @ 1500Psi and the floats	
					did hold we got about about 1/2 a bbl	
					back to the tank after releasing pressure.	
					lift pressure before plug landed was 1000Psi	
					at 3bpm	
					rig down iron	