



Cement Job Summary

Job Number: LIB1611230856		Job Purpose: 02 Production/Long String	
Customer: Linn Energy			Date: 11/23/2016
Well Name: Sudan Interior	Number: 5-17		API/UWI:
County: Finney	City:	State: Kansas	
Cust. Rep:	Phone:	Rig Phone:	
Legal Desc: SEC-17-22S-34W	Rig Name: Quest Drilling#211		
Distance: 50 miles (one way)	Supervisor: Aldo Espinosa		

Employees:	Emp. ID:	Employees:	Emp. ID:
ALDO ESPINOZA			
GERARDO BURCIAGA			
JOSE CALDERON			
Equipment:			
984-			
994-550			
870-744			

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	17	4.892	J-55	0	4,913
SHOE	5 1/2	17	4.892	J-55	4,868	4,913

Materials - Pumping Schedule						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	HIVIS SWEEP	12	8.40	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Lead 1	ALLIED MULTI-DENSITY CEMENT - CLASS A	230	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	115.0	lbm	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Tail 1	ALLIED SPECIAL BLEND CEMENT - CLASS A	150	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	70.5	lbm	
CLC-KOL	KOL-SEAL	5	lb/sk	750.0	lbm	
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	37.5	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	Aldo Espinosa
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA		COMMENTS	
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)		
11/23/2016					DATE	
600am					on location	
630am					rig up	
650am					rig head	
700am					safety meeting	
718am	2000				pressure test lines	
720am	150		12	2	12 bbl havis sweep	
730am	100		113	4	230sk/113 bbl lead cement	
800am	90		51	4	150sk/51 bbl tail cement	
820am			10	3	wash pumping lines to pit	
826am				3	release plug, start displacing w/2% kcl	
832am	60		20	5	20 bbl gone	
835am	60		20	5	40 bbl gone	
839am	260		20	4	60 bbl catch cement	
845am	610		20	4	80 bbl gone	
850am	1040		20	4	100 bbl gone, slow down to 2.5 bpm	
856am	1200-1700		12	2.5	112 bbl bump plug	
900am	0				check floats	
930am					rig down	
945am					leave location	
					thanks	