



Cement Job Summary

Job Number: LiB1611171121		Job Purpose: 01 Surface	
Customer: Linn Energy	Date: 11/17/2016		
Well Name: Sudan Interior	Number: 5-17	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 James Peppin		

Employees:	Emp. ID:	Employees:	Emp. ID:
James Peppin		Cristian Camacho	
Victor Corona		Jose Calderon	

Equipment:	
501/903-4	774-4/1066-5
870-4/744-5	

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		
OPEN HOLE	12 1/4					
Tubulars						
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
TOTAL CASING	8 5/8	24	8.097	J-55	0	1,840
SHOE	8 5/8	24	8.097	J-55	1,775	1,817

Materials - Pumping Schedule						
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
Spacer 1	FRESH WATER	10	8.30	n/a	n/a	
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)	
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	8.33	n/a	n/a	

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County: Finney	City:	State: Kansas		
Cust. Rep: Weldon Higgins	Phone:	Rig Phone: 0		
Distance: 50 miles (one way)	Supervisor James Peppin		0	
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA	COMMENTS
AM/PM	CASING	ANNULUS	VOLUME RATE (BPM)	
4:00 AM				

Cement Job Summary

6:28					arrive on loc and spotted trucks
9:15					had a safety meeting with rig crew
9:30	2000				test lines
9:32	150		10	4	pump h2o ahead
9:33	220		227	5	pump lead cmt @11.8 wt
10:24	180		42	4.5	pump tail cmt @ 15.6 wt
10:40					shut down to drop plug
10:43	30		0	4	start disp plug with h2o
10:55	190		50	4	50 bbls of h2o gone on disp
11:17	510		103	3	slow rate down to bump plug
11:21	970				bump plug and check float and it held
					bleed back 1/2 bbl
					circ 33 bbl = 67 sks to the surface
					shut down and rig down
					the crew and I thank the customer
					for the job