

CEMENTING TREATMENT REPORT



TREATMENT NUMBER GH2013012	DATE 7/30/2013
STAGE 1	JOB TYPE longstring longstring

WELL NAME AND NO. Schmidt ATU 1	LOCATION (LEGAL) 221' FNL. & 222' FWL Sec 23, T30S, R 38W	RIG NAME: Trinidad drilling Rig 216	CEMENT PUMPER: 23004
FIELD	FORMATION	WELL DATA	FT TOP FT
COUNTY Grant Co	STATE KS	API NO.	
RIG FORMAN Dave Martinez		BIT SIZE	CSG/Liner Size 5 1/2
CEMENT SUPER Gary Hessling		TOTAL DEPTH 3000	WEIGHT 15.5
		MUD TYPE	FOOTAGE 2975.9
		<input type="checkbox"/> BHST	GRADE
		<input type="checkbox"/> BHCT	THREAD
		MUD DENSITY	LESS FOOTAGE (SEE ABOVE)
		MUD VISC	Disp. Capacity 69
			TOTAL: 69

SPECIAL INSTRUCTIONS Cement production casing	Include Footage From Ground Level To Head In Disp. Capacity
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Head & Plugs	<input type="checkbox"/> FBG	<input checked="" type="checkbox"/> D.P.	SQUEEZE JOB
<input type="checkbox"/> Double Box 6	WEIGHT	TOOL	TYPE
<input type="checkbox"/> Single	GRADE	DEPTH	DEPTH
<input type="checkbox"/> Swage	THREADS	TAIL PIPE:	SIZE DEPTH
<input type="checkbox"/> Knockout	<input type="checkbox"/> New <input type="checkbox"/> Used	TUBING VOLUME	BBLs
	DEPTH	CSG VOL BELOW TOOL	BBLs
		TOTAL	BBLs
		ANNULAR VOLUME	BBLs

LIFT PRESSURE 750 psi	NO. of Centralizers 16	WATER QUALITY:	pH	SG	TEMP
PRESSURE LIMIT	BUMP PLUG TO 1750	ARRIVE ON LOCATION	RIG UP	LEFT LOCATION	
		TIME: 18:30 DATE: 7/30/2013	TIME: 19:00 DATE: 7/23/2013	13 22:30:00 PM DATE: 7/30/2013	

TIME	PRESSURE	VOLUME PUMPED	JOB SCHEDULED FOR			ARRIVE ON LOCATION			LEFT LOCATION		
0001 to 2400	TBG CSG	INCR CUM	TIME: 19:00	DATE: 7/30/2013	TIME: 18:30	DATE: 7/30/2013	TIME: 19:00	DATE: 7/23/2013	13	22:30:00 PM	DATE: 7/30/2013
			RATE	FLUID TYPE	DENSITY						
18:30											Arrive on location
19:00											Rig up pumps and bulk equipment
20:12	2000	2		H2o	8.34						Test pumps and lines to 2000 psi. Test good.
20:13	150	73	4	H2o	8.34						pumped 75 bbls H2o ahead.
20:32	160	130	203	4	Cmt						Mix and pump 130 bbls (304 sks) 12.5 # lead cement
21:10	30	46	249	4	Cmt	13.5					Mix and pump 41 bbls (142 sks) 13.5 tail cement
21:22	50	67	311	4	H2o	8.34					Wash pumps and lines, drop plug and start displacement 69 bbls.
	100										Pump 5 bbls fresh water displacement/ then pump 64bbls KCL displacement for total of 69 bbls
											Call outs 22 bbls away 4 bpm 200 psi. 44 away 4 bpm 520 psi 66 bbls away 4 bpm 710
											finale lift 750 sent 35 bbls good cement to pit
21:54											Land plug at 1560 psi tested float, float held
23:30											rigged down and left location

System Used	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
Lead	304	2.4	25/75 SDC blend 3% P20, 2% S1, 0.25#/sx P29, 0.25#/sx P46 @ 12.5 #/gal				130	12.5
Surface Set	142	1.61	Surface set 25:75 (p/G) + 2% P20, 5 lb/sx p42, 2% S1, 0.25 #/sx P46, 15% p167, 2% p20 @ 13.5 # gal				41	13.5

CIRCULATION <input type="checkbox"/> Yes <input type="checkbox"/> No	WASHED CASING DOWN <input type="checkbox"/> Yes <input type="checkbox"/> No	BREAKDOWN	PSI	FINAL	1560	PSI
DISPLACEMENT VOL. 69 BBLs	RETURNED TO SURFACE 35	BEFORE PLUG BUMP	750	RATE	2	BPM

