

CEMENTING TREATMENT REPORT



TREATMENT NUMBER FG2013017	DATE 7/24/2013
STAGE 2	JOB TYPE Production

WELL NAME AND NO. Campbell ATU1	LOCATION (LEGAL) 221FNL7251FWL_SEC.27,T29S,R37W	RIG NAME: Trinidad drilling Rig #216	CEMENT PUMPER: 23004
FIELD Hugoton/Panoma	FORMATION Glorietta	WELL DATA	FT TOP FT
COUNTY Grant	STATE Kansas	API NO.	

RIG FORMAN Kevin Swafford	CEMENT SUPER Frank L. Gonzales	CEMENT SUPER Mike Vecellio
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SPECIAL INSTRUCTIONS	<input type="checkbox"/> BHST <input type="checkbox"/> BHCT MUD DENSITY MUD VISC Include Footage From Ground Level To Head In Disp. Capacity TYPE DEPTH TYPE DEPTH TYPE DEPTH TYPE DEPTH Head & Plugs <input type="checkbox"/> JBG <input type="checkbox"/> J.P. SQUEEZE JOB <input type="checkbox"/> Double Box 6 WEIGHT GRADE TAIL PIPE: SIZE DEPTH <input type="checkbox"/> Single GRADE TUBING VOLUME BBLs <input type="checkbox"/> Swage THREADS CSG VOL BELOW TOOL BBLs <input type="checkbox"/> Knockout <input type="checkbox"/> New <input type="checkbox"/> Used TOTAL ANNULAR VOLUME BBLs
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LIFT PRESSURE 811 psi	PRESSURE LIMIT 3000 psi	BUMP PLUG TO 1300	CEMENT TEMPERATURE: 82	WATER QUALITY: 7 pH	ARRIVE ON LOCATION 19:00 DATE: 7/24/2013	RIG UP 19:10 DATE: 7/24/2013	LEFT LOCATION 23:45 DATE: 7/24/2013	TEMP 79.5
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TIME	PRESSURE TBG	PRESSURE CSG	VOLUME PUMPED INCR	VOLUME PUMPED CUM	RATE	FLUID TYPE	DENSITY	DESCRIPTION
00:01 to 24:00								
20:15								Safety Meeting
20:45						H2O	8.3	Load Bottom Plug
20:53	3000		2	2	1			Pressure Test
20:57	150	70	72	4		H2O	8.3	Water Ahead
21:16	70	125.7	197.7	4		Cmt.	12.5	Pump Cement @ 12.5 PPG
22:27	40	37.8	235.5	4		Cmt.	13.5	Pump Cement @ 13.5 PPG
22:37					4	H2O		DROP PLUG
22:38	30	68.4		4		H2O	8.3	Pump Displacement
22:43	300		255.5	4		H2O	8.3	1st. Call Out
22:48	480		275.5	4		H2O	8.3	2nd. Call Out
22:54	780		295.5	4		H2O	8.3	3rd. Call Out
22:59	800		303.9	1		H2O	8.3	Final Lift
23:00	1500			1		H2O	8.3	Bump Plug
23:10			50	353.9	4	H2O	8.3	Wash Up Pump and Lines
23:30								RIG DOWN

System Used	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM		SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY
lead	294	2.4	Class G,Pozz.P20,S1,P29,P46,P42,P154		125.7	12.5
tail	131.7	1.61	Class G,Pozz.P42,S1,P46,P167,P20		37.6	13.5

CIRCULATION <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WASHED CASING DOWN <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BREAKDOWN BEFORE PLUG BUMP PRESSURE 150 PSI	FINAL 1500 PSI
DISPLACEMENT VOL. 68.4 BBLs	RETURNED TO SURFACE 25	800 PSI	RATE 1 BPM