

CEMENTING TREATMENT REPORT



TREATMENT NUMBER FG2013013	DATE 7/11/2013
STAGE 2	JOB TYPE Production

WELL NAME AND NO. Bayer ATU1	LOCATION (LEGAL) 23FNL&212FWL,SEC.5,T29S,R37W	RIG NAME: Trinidad Drilling #216	CEMENT PUMPER: 2301
FIELD Hugoton/Panoma	FORMATION Glorietta	WELL DATA	BOTTOM
COUNTY Grant	STATE Kansas	API NO.	FT TOP FT

RIG FORMAN Kevin Swafford	WELL DATA	BIT SIZE 7 7/8	CSG/Liner Size 5 1/2	WEIGHT 17	FOOTAGE 2849.16	GRADE J-55	THREAD LT&C	MUD DENSITY 42.21	DISP. CAPACITY 65.1	TOTAL: 65.1	
CEMENT SUPER Frank L. Gonzales	MUD TYPE	Include Footage From Ground Level To Head In Disp. Capacity		MUD VISC		MUD VISC		MUD VISC		MUD VISC	

SPECIAL INSTRUCTIONS	FLUID TYPE	DEPTH	FLUID TYPE	DEPTH
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PERSONNEL: J.R. Ortiz,Ronald Trujillo,Eric Wheeler,Robert Ashe	Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB
	WEIGHT	GRADE	THREADS	DEPTH
	DOUBLE BOX 6	SWAGE	THREADS	DEPTH
	WEIGHT	GRADE	THREADS	DEPTH
	WEIGHT	GRADE	THREADS	DEPTH

LIFT PRESSURE 777 psi	PRESSURE LIMIT 1784 psi	NO. of Centralizers 14	BUMP PLUG TO 1200	CEMENT TEMPERATURE: 78	ANNULAR VOLUME	TUBING VOLUME	BBLs
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TIME 0001 to 2400	PRESSURE TBG CSG	VOLUME PUMPED INCR CUM	JOB SCHEDULED FOR TIME: 22:30 Date: 7/11/2013	ARRIVE ON LOCATION TIME: 9:30 DATE: 7/11/2013	RIG UP TIME: 10:30 DATE: 7/11/2013	LEFT LOCATION TIME: 4:30 DATE: 7/11/2013
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TIME	PRESSURE	VOLUME PUMPED	JOB SCHEDULED FOR	ARRIVE ON LOCATION	RIG UP	LEFT LOCATION
	TBG CSG	INCR CUM	TIME: 22:30 Date: 7/11/2013	TIME: 9:30 DATE: 7/11/2013	TIME: 10:30 DATE: 7/11/2013	TIME: 4:30 DATE: 7/11/2013
			RATE FLUID TYPE DENSITY			
1:25						Safety Meeting
1:40	3000	2 2.0	1 H2O 8.3			Pressure Test
1:15						Load Bottom Plug
1:54	200	85 87	4 H2O 8.3			Water Ahead
2:16	200	124 211	4 Cmt. 12.5			Pump Cement @ 12.5 PPG - 290 sks.
2:48	75	36 247	4 Cmt. 13.5			Pump Cement @ 13.5 PPG - 127 sks.
2:59						Drop top Wiper Plug
3:00	50	65.1	4 H2O 8.3			Pump Displacement
3:08	250	267	4 H2O 8.3			1st. Call Out
3:14	500	287	4 H2O 8.3			2nd Call Out
3:20	700	307	4 H2O 8.3			3rd. Call out
3:22	700	312.1	2 H2O 8.3			Final Pressure
3:23	1200		2 H2O 8.3			Bump Plug
3:38		50 362.1	4 H2O			Wash Pump and Lines
4:15						RIG DOWN

System Used	No.of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM		SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY
LEAD	273	2.4	Class G,Pozz,P20,S1,P29,P46,P42,P154		124	12.5
Tail	127	1.61	Class G,Pozz,P20,S1,P29,P46,P42,P167		36	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 700 PSI	FINAL 1200 PSI
DISPLACEMENT VOL. 65.5 BBLs	RETURNED TO SURFACE 35	RATE 4 BPM	