

CEMENTING TREATMENT REPORT



TREATMENT NUMBER	FG2013024	DATE	8/11/2013
STAGE	2	JOB TYPE	Production

WELL NAME AND NO.	Lahey ATU1	LOCATION (LEGAL)	2510FSL&186FEL,SEC.26,T30S,R35W	RIG NAME:	Trinidad drilling Rig #216	CEMENT PUMPER:	23004
FIELD	Hugoton/Panoma	FORMATION	Chase - Counsel Grove	WELL DATA		BOTTOM	FT TOP FT
COUNTY	Stevens	STATE	Kansas	API NO.			

RIG FORMAN	Kevin Swafford	WELL DATA	7 7/8	CSG/Liner Size	5 1/2	TOTAL DEPTH	2959	WEIGHT	15.5	FOOTAGE	2937.94	MUD TYPE		GRADE	J-55	THREAD	LT&C	MUD DENSITY	42.32	DISP. CAPACITY	67.1	TOTAL:	67.1
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CEMENT SUPER	Frank L. Gonzales	Include Footage From Ground Level To Head In Disp. Capacity																					
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SPECIAL INSTRUCTIONS		Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	SQUEEZE JOB		
		Double Box 6	WEIGHT	GRADE	TAIL PIPE:	SIZE	DEPTH
		Single	WEIGHT	GRADE	TUBING VOLUME	CSG VOL BELOW TOOL	BBLs
		Swage	THREADS	DEPTH	TOTAL	ANNULAR VOLUME	BBLs
		Knockout	<input type="checkbox"/> New	<input type="checkbox"/> Used			

LIFT PRESSURE	799	psi	BUMP PLUG TO	1400	CEMENT TEMPERATURE:	79	PH	0	PPG	68.5	TEMP		
PRESSURE LIMIT	3000	psi	NO. of Centralizers	15	ARRIVE ON LOCATION	TIME: 4:30	DATE: 8/11/2013	RIG UP	TIME: 4:50	DATE: 8/11/2013	LEFT LOCATION	TIME: 10:30	DATE: 8/11/2013

TIME	PRESSURE TBG	CSG	VOLUME PUMPED INCR	CUM	RATE	FLUID TYPE	DENSITY	DESCRIPTION
0001 to 2400								
6:45								Safety Meeting
7:14						H2O	8.3	Load Bottom Plug
7:18	2500	2	2	1				Pressure Test
7:24	200	75	77	4	H2O	8.3		Water Ahead
7:43	200	169.7	246.7	3.5	Cmt.	12.5		Pump Lead Cement @ 12.5 PPG (397 Sks.)
8:27	100	34.7	281.4	3	Cmt.	13.5		Pump Tail Cement @ 13.5 PPG (121 Sks.)
8:39	28	3	284.4	2	H2O			Wash up lines
8:41					H2O	8.3		DROP PLUG
8:42	50	67.4		4	H2O	8.3		Pump Displacement
8:49	250		304.4	3.5	H2O	8.3		1st. Call Out
8:57	500		324.4	3.5	H2O	8.3		2nd. Call Out
9:04	800		344.4	4	H2O	8.3		3rd. Call Out
9:08	750		351.8	1	H2O	8.3		Final Lift
9:08	1415							Bump Plug
9:19								Plug Held
9:23			50	401.8	4	H2O	8.3	Wash Up Pump and Lines
9:50								RIG DOWN

	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM		SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY
lead	397	2.4	Class G,Pozz.P20,S1,P29,P46,P42,P154		115.2	12.5
tail	121	1.61	Class G,Pozz.P42,S1,P46,P167,P20		22.4	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	PSI	FINAL RATE	PSI
DISPLACEMENT VOL.	BBLs	RETURNED TO SURFACE			PSI		1 BPM