

CEMENTING TREATMENT REPORT



TREATMENT NUMBER	SO2010017	DATE	7/13/2010
STAGE	1	JOB TYPE	Long String

WELL NAME AND NO.	Lucas 4-16	LOCATION (LEGAL)	Sec.16, T31S, R38W	RIG NAME:	Pioneer Natural Resources Rig # 3	CEMENT PUMPER:	2305	
FIELD	Hugoton-Panoma	FORMATION		WELL DATA	BOTTOM	FT	TOP	
COUNTY	Stevens	STATE	Kansas	API NO.	1518922743			
RIG FOREMAN	Derrick Berry/Tom Beardsley			BIT SIZE	7 7/8	CSG/Liner Size	5 1/2	
CEMENT SUPERVISOR	Stan Owens			TOTAL DEPTH	2950	WEIGHT	15.5	
				MUD TYPE		FOOTAGE	2930	
				<input type="checkbox"/> BHST		GRADE	J-55	
				<input type="checkbox"/> BHCT		THREAD	LT&C	
				MUD DENSITY		LESS FOOTAGE (SHOE JOINT(S))	42	
				MUD VISC		Disp. Capacity	68.7	
				Include Footage From Ground Level To Head In Disp. Capacity				TOTAL:
							68.7	

SPECIAL INSTRUCTIONS		Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.	
		<input type="checkbox"/> Double Box 6	WEIGHT	SIZE	TOOL TYPE
		<input type="checkbox"/> Single	GRADE		DEPTH
		<input type="checkbox"/> Swage	THREADS		
		<input type="checkbox"/> Knockout	<input type="checkbox"/> New	<input type="checkbox"/> Used	
			DEPTH		

LIFT PRESSURE	800	psi	BUMP PLUG TO	2000	psi
NO. of Centralizers	12		CEMENT TEMPERATURE:	80	
			WATER QUALITY:	8.5 pH	
				320	SG
					TEMP 86

TIME	0001 to 2400	PRESSURE	TBG	CSG	VOLUME PUMPED	INCR	CUM	JOB SCHEDULED FOR	ARRIVE ON LOCATION	RIG UP	LEFT LOCATION
								TIME: 20:00 DATE: 7/12/2010	TIME: 18:00 DATE: 7/12/2010	TIME: 8:30 DATE: 7/13/2010	TIME: DATE: 7/13/2010
								RATE	FLUID TYPE	DENSITY	

12:00											Pre job safety meeting.
12:27		2000		0.5		0.5		H2O	8.3		Test Pumps and Lines.
12:30		50		20		3		H2O	8.3		Pump H2O ahead.
12:37				110		3		CMT	12.5		Mix and pump lead cement @ 12.5 ppg.
13:13		50		45		3		CMT	15		Mix and pump tail cement @ 15 ppg.
13:28											Shut down and wash pumps and lines.
13:30											Drop top plug.
13:35				68.7		3		KCL	8.3		Pump displacement.
13:56		1500				2		KCL	8.3		Bump plug and check floats. (Did not hold.)
14:00		2000				2		KCL	8.3		Pump again to close floats. (Held O.K.)
											Call Outs 20 Bbls 200 Psi. 50 Bbls 540 Psi 68 Bbls Final 800 Psi. Bumped @ 1500 psi.
											Well circulated cement at 40 bbls KCL displacement away.
											Pumped 25 bbls good cement to the pit.
14:30											Post job safety meeting.

System Used	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM				SLURRY MIXED	
						BBLs	DENSITY	
	300	2.06	SDC				110	12.5
	200	1.25	Surface Cement				45	15

CIRCULATION	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	WASHED CASING DOWN	<input type="checkbox"/> Yes	<input type="checkbox"/> No	BREAKDOWN	PSI	FINAL	2000	PSI
DISPLACEMENT VOL.	68.7	BBLs	RETURNED TO SURFACE	25 Bbls.		BEFORE PLUG BUMP		RATE		
						PRESSURE	800			2 BPM