

CEMENTING TREATMENT REPORT



TREATMENT NUMBER	FG2013026	DATE	8/14/2013
STAGE	2	JOB TYPE	Production

WELL NAME AND NO.	Dunn ATU1	LOCATION (LEGAL)	190FNL&2608FWL_SEC.10.T31S.R38W	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	Dave Martinez						
CEMENT SUPER	Frank L. Gonzales						
	Mike Vecellio						

SPECIAL INSTRUCTIONS							
Personnel:	J.R. Ortiz,Ronald Trujillo,Robert Ashe	Don Wilson,Eric Wheeler					

LIFT PRESSURE	834	psi	BUMP PLUG TO	1400	CEMENT TEMPERATURE:	80	ANNULAR VOLUME		BBLs					
PRESSURE LIMIT	2500	psi	NO. of Centralizers	16	WATER QUALITY:	7	PH	0	PPG	77	TEMP			
			JOB SCHEDULED FOR	TIME: 21:00	Date: 8/14/2013	ARRIVE ON LOCATION	TIME: 19:30	DATE: 8/14/2013	RIG UP	TIME: 19:45	DATE: 8/14/2013	LEFT LOCATION	TIME: 23:30	DATE: 8/14/2013

TIME	PRESSURE TBG	CSG	VOLUME PUMPED INCR	CUM	RATE	FLUID TYPE	DENSITY	DESCRIPTION
20:25								Safety Meeting
20:50						H2O	8.3	Load Bottom Plug
20:51	2500	2	2	1				Pressure Test
20:52	200	75	77	4	H2O	8.3		Water Ahead
21:09	200	135	212	4	Cmt.	12.5		Pump Lead Cement @ 12.5 PPG (316 Sks.)
21:50	125	57.3	269.3	3.5	Cmt.	13.5		Pump Tail Cement @ 13.5 PPG (134 Sks.)
22:04		5	274.3	2	H2O			Wash up lines
22:04					H2O	8.3		DROP PLUG
22:06	130	70.2		4	H2O	8.3		Pump Displacement
22:14	300		294.3	3	H2O	8.3		1st. Call Out
22:21	500		314.3	3	H2O	8.3		2nd. Call Out
22:28	750		334.3	3	H2O	8.3		3rd. Call Out
22:36	850		344.5	1	H2O	8.3		Final Lift
22:36	1350							Bump Plug
22:45								Plug Held
22:50			50	394.5	4	H2O	8.3	Wash Up Pump and Lines
23:10								RIG DOWN

	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM				SLURRY MIXED	
			Class G,Pozz.P20,S1,P29,P46,P42,P154				BBLs	DENSITY
lead	316	2.4					135	12.5
tail	134	1.61	Class G,Pozz.P42,S1,P46,P167,P20				57.3	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	200 PSI	FINAL	1350	PSI
DISPLACEMENT VOL.	70.2	BBLs	50	RETURNED TO SURFACE	850	PSI	RATE	1 BPM