

CEMENT JOB REPORT



CUSTOMER Black Hills Gas Resources		DATE 20-OCT-10	F.R. # 674310019		SERV. SUPV. JOSE E CARCAMO						
LEASE & WELL NAME WINTER FLATS #1-12-100 - API 05077085130000		LOCATION 12-9S-100W			COUNTY-PARISH-BLOCK Mesa Colorado						
DISTRICT Grand Junction		DRILLING CONTRACTOR RIG #			TYPE OF JOB Squeeze-Perforation						
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES							
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
MATERIALS FURNISHED BY BJ											
Class G Cement+.04 lbs/sk static free+.5 gal/100				290	15.8	1.15	4.99		60	34.85	
Fresh Water					8.34				11		
Available Mix Water <u>230</u> Bbl. Available Displ. Fluid <u>230</u> Bbl.				TOTAL					71	34.85	
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE	
		2004	4.5	11.6	CSG	5000					
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		TOP	BTM	SIZE	THREAD	WGT.	
						2000	2000			OTHER 8.8	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
11	BBLs	Fresh Water	8.34	0	0	0	0	0	8100	500	water truck

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: none

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 4700 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
05:00						pre convoy safety meeting	
05:30						leave yard	
08:30						arrived on location	
09:00						spot equipment	
09:20						pre rig up safety meeting	
09:35						start rig up	
10:15						pre job safety meeting	
10:50						start job	
10:53	4700					pressure test lines	
10:56	100		3.5	10		stablish injection rate with produce water	
10:59	237		3.5	10		pump spacer ahead clean water	
11:10	273		1.1	10		pump cement slurry	
11:24	275		3	6		pump displacement	
12:20						start 2nd job	
12:29	225		4	20		stablish injection rate	
12:45	276		4.5	10		pump spacer ahead clean water	
12:54	226		4	20.4		pump cement slurry	
13:11	226		4	3		pump displacement	
13:20						end job	
14:00						start 3rd job	
14:01	0		1	2		pump spacer ahead	
14:09	120		2.7	29		pump cement slurry	
14:28	20		2.7	2		pump spacer behind/ displacement	
14:30						end job	
						5 bbls of cement to the pit	
						good returns from the start of the 2nd job	

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	PIPE	ANNULUS				TEST LINES 4700 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
Y <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	5	120	0	Y <input checked="" type="checkbox"/> N	