

CEMENT JOB REPORT



CUSTOMER Black Hills Gas Resources		DATE 04-DEC-10	F.R. # 1001725491		SERV. SUPV. DELBERT S GALLEGOS						
LEASE & WELL NAME WINTER FLATS #1-10-100 - API 05077085180000		LOCATION 10-9S-100W			COUNTY-PARISH-BLOCK Mesa Colorado						
DISTRICT Grand Junction		DRILLING CONTRACTOR RIG #			TYPE OF JOB Plug & Abandon						
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			PHYSICAL SLURRY PROPERTIES						
		NA-P&A			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ											
Type III Cement+2%CACL					450	14.2	1.46	7.33		117	78.48
Fresh Water						8.34				14.55	
Available Mix Water <u>180</u> Bbl. Available Displ. Fluid <u>180</u> Bbl.					TOTAL					131.55	78.48
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE	
4	0	4800	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	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
						2000	2000	2.375	1502	FRESH WATER	8.34
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	
3	BBS	Fresh Water	8.34	0	1200	0	9980	7984	10690	8552	water truck

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

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 checked="" type="checkbox"/>					
	PIPE	ANNULUS				TEST LINES 500 PSI					
						CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input type="checkbox"/>					
05:00						safety and convoy meeting					
05:30						leave yard for location					
12:00						arrive to location					
12:10						tailgat meeting					
12:20						spot trucks and rig iron					
08:30						prejob safety meeting 11-30-10					
09:09						pressure test lines 3700					
09:14	96	0	2.7	10	H2O	pump spacer					
09:18						batch cement					
09:28	155	0	3.5	19.5	CMT	start downhole with cement					
09:32	94	0	4	7.5	H2O	displacement					
09:35						end first plug					
						rig pull 30 joints wait on cmt to get hard and new love joy for slurry pump.					
13:57						start 2nd plug					
14:02	320	0	3	10	H2O	spacer					
14:10	148	0	3	19.5	CMT	second plug					
14:16	154	0	3.5	5.5	H2O	displacement					
15:00						call it a day start 12-1-10..					
05:00						Left Yard 12-1-10					
06:30						arrive on location.					
08:39						prejob meeting					
08:59	87	0	2.8	13	H2O	spacer					
09:02	890					tubing was plugged rig pull out had 6 joints with cement in them					
10:42						running back in hole with tubing					
11:40	89	0	3	30	H2O	spacer - injection test					

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TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	500 PSI
						CIRCULATING WELL - RIG <input type="checkbox"/>	BJ <input type="checkbox"/>
11:56						batch up cement	
11:57	113	0	3	31	CMT	cement slurry	
12:01	86	0	3	5.5	H2O	displacement	
12:05						end 3rd plug head home come back 12-2-10	
05:00						single journey and safety meeting	
05:15						leave the yard for location	
06:40						arrive to location	
07:00						tailgate meeting fire trucks and heaters.	
11:30						pre job safety meeting	
12:00	31	0	2.4	10	WATER	start spacer	
12:05	0	0	0	0	CEMENT	batch cement 14.2 type III with 2% CACL	
12:08	56	0	2.8	2	CEMENT	start cement downhole	
12:15	56	0	2.8	19.5	CEMENT	end cement	
12:15	39	0	2.8	3	WATER	start displacement	
12:16	0	0	0	3	WATER	end displacement balance plug.	
12:20						wait 2.5 hrs on cement	
14:20	87	0	2	10	WATER	pump 10bbl spacer fresh water	
14:25	0	0	0	0	CEMENT	batch cement to 14.2ppg with 2%CACL	
14:29	69	0	2	19.5	CEMENT	pump cement downhole	
14:39	68	0	2	2	WATER	pump 2bbls fresh water displacement	
14:45						wash to pit pickle pump	
16:00						leave location return 0630 to set plug	
05:00						single convoy and safety meeting	
05:10						leave yard for location	
06:30						arrive to location tailgate meeting	
06:40						fire trucks and get heaters going	
07:00						wait on rig crew and water trucks.	
09:00						prejob safety meeting	
09:45	89	0	2	10	WATER	pump 10bbl spacer	
09:50	0	0	0	0	CEMENT	batch cement to 14.2ppg +2%CACL	
09:55	89	0	2	19.5	CEMENT	pump cement downhole	
10:05	55	0	2	1	WATER	pump 1 bbl displacement	
10:10						wash up wait on cement	
12:30	86	0	2	10	WATER	pump 10bbl spacer to establish circulation	
12:30					CEMENT	batch cement to 14.2ppg	
12:35	86	0	2	28.6	CEMENT	pump 110 sks and bullhead cement into surface pipe	
13:00						end cement wash lines and pump.	
14:00						rig down lines and get trucks ready to leave loc	

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 type="checkbox"/> N <input checked="" type="checkbox"/>		Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		250	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	