

# CEMENT JOB REPORT



<b>CUSTOMER</b> Black Hills Gas Resources		<b>DATE</b> 04-DEC-10	<b>F.R. #</b> 1001725491		<b>SERV. SUPV.</b> DELBERT S GALLEGOS					
<b>LEASE &amp; WELL NAME</b> WINTER FLATS #1-10-100 - API 05077085180000		<b>LOCATION</b> 10-9S-100W			<b>COUNTY-PARISH-BLOCK</b> Mesa Colorado					
<b>DISTRICT</b> Grand Junction		<b>DRILLING CONTRACTOR RIG #</b>			<b>TYPE OF JOB</b> Plug & Abandon					
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>PHYSICAL SLURRY PROPERTIES</b>						
		NA-P&A		<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>
<b>MATERIALS FURNISHED BY BJ</b>										
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.				<b>TOTAL</b>					131.55	78.48
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>			
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>SIZE</b>	<b>WGT.</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>
4	0	4800	4.5	11.6	CSG	5000				
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>
<b>SIZE</b>	<b>WGT</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>BRAND &amp; TYPE</b>		<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>WGT.</b>
						2000	2000	2.375	1502	FRESH WATER 8.34
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>	<b>MAX CSG PSI</b>		<b>MIX WATER</b>
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>
3	BBLs	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 cementr 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 ciruculation	
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 Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	PSI TO BUMP PLUG	TEST FLOAT EQUIP. Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED 250	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	SERVICE SUPERVISOR SIGNATURE:
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