

**ENGINEER'S DAILY REPORT**

**COGCC Document No. 2055506**

Project: Dolphin Bond Claim Plugging and Abandonment (PHA-1233)  
Date: 4/23/2012

Personnel On Location

COGCC:	Dave Andrews	Project Manager	7:30	10:30
A-Plus:	George Archuleta	Superintendent	7:00	9:45
	Jaben Mangum	Cementer	7:00	10:30
	Wendell Bennally	Operator	7:00	10:30
	Brent Begay	Derrick Hand	7:00	10:30
	Robert Slaugh	Motor Man	7:00	10:30
	Peter Romero	Floor Hand	7:00	10:30
	Neil Frost	Wireline	7:30	10:30

Weather: M. Sunny (AM)  
Calm (AM)  
40's - 60's (AM)

Equipment:	Pickups	Pump truck
	Doghouse trailer	Wireline truck
	Haul trailer	Waste pit (tank)
	Pusher trailer	Circulation tank
	Tubing truck and trailer	Upright fresh water tank
	Workover rig	Porta-Potty
	Cement truck (bin type)	

**Work Summary**

Well pressures this morning: CP = 145 psi, BH = 260 psi, blew down bradenhead to circulation tank with a little fluid, less than one minute, blew csg down immediately, followed by a light blow. SI bradenhead, built to 42 psi in 10 minutes. Bradenhead loaded with 350 psi, bled to 250 in one minute, no rate. Casing loaded with 500 psi, bled to 450 in one minute, no rate. Tag cement from Plug #4 in csg at 355', perforate at 215' at 8:30. Mix up 85 sacks Class B cement (1.18 cf/sk yield, 17.86 bbls slurry) with 2 sacks (2-3%) CaCl to accelerate setting time. Measured slurry weights of 15.2 to 15.4; took wet sample. Checked other wet samples for previous plugs; all set up OK. Pump cement down csg and out bradenhead. Circulate at a rate of 1.5 bpm. Observed cement returns at 8:58, after approximately 13 minutes of circulating. Cement returns gas-cut initially; continued circulating to remove gas cut, then SI at 9:03 (approximately 8 bbls cement circulated to tank). Started hesitation squeezes after bradenhead SI, pressuring up every few minutes to 800 to 1000 psi until 9:45. SI csg with 1000 psi, wash out lines, and install bull plugs on bradenhead and csg valves. SWIFN.

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**Measurement and Payment**

<u>Pad No.</u>	<u>Bid Item No.</u>	<u>Description</u>	<u>Units</u>	<u>Unit Cost</u>	<u>Work Performed Today</u>	<u>Cumulative Percent/Units Complete</u>	<u>Total Approved</u>
BR-31	1	Mobilization and Demobilization	each	\$ 11,035.00		50%	\$ 5,517.50
BR-31	2	Plug and Abandon	hours	\$ 458.00	3.50 hours on location today to check pressures, perforate, and cement.	41.25	\$ 18,892.50
BR-31	3	Perforation Services	sets	\$ 1,722.00	Shot perms at 215' (quantity increase, per Emergency Change Order #6).	4	\$ 6,888.00
BR-31	4	Cement Retainers	each	\$ 1,150.00		3	\$ 3,450.00
BR-31	6	Cement Services	sacks	\$ 26.00	Mixed and pumped 85 sacks cement for Plug #4 (Plug #4 quantity increased by 70 sacks to increase plug length, per Emergency Change Order #6).	431	\$ 11,206.00
BR-31	7.1 (Change Order #1)	Covered Tank Rental	lump sum	\$ 1,322.10		100%	\$ 1,322.10
BR-31	7.2 (Change Order #1)	Standby Time at 75% of regular rate	hours	\$ 343.50		3.5	\$ 1,202.25
BR-31	8 (Change Order #2)	Haul Salvaged Drilling Mud	lump sum	\$ 533.36		100%	\$ 533.36
BR-31	9.1 (Change Order #3)	Tubing Cut and Free Point Services	lump sum	\$ 10,180.54		100%	\$ 10,180.54
BR-31	9.2 (Change Order #3)	Standby Time at 75% of regular rate	hours	\$ 343.50		8.75	\$ 3,005.63
BR-3	1	Mobilization and Demobilization	each	\$ 11,035.00		10%	\$ 1,103.50
BR-3	2	Plug and Abandon	hours	\$ 458.00			\$ -
BR-3	3	Perforation Services	sets	\$ 1,722.00			\$ -
BR-3	4	Cement Retainers	each	\$ 1,150.00			\$ -
BR-3	5	Cast Iron Bridge Plugs	each	\$ 1,932.00			\$ -
BR-3	6	Cement Services	sacks	\$ 26.00			\$ -
M-32	1	Mobilization and Demobilization	each	\$ 11,035.00		10%	\$ 1,103.50
M-32	2	Plug and Abandon	hours	\$ 458.00			\$ -
M-32	3	Perforation Services	sets	\$ 1,722.00			\$ -
M-32	4	Cement Retainers	each	\$ 1,150.00			\$ -
M-32	5	Cast Iron Bridge Plugs	each	\$ 1,932.00			\$ -
M-32	6	Cement Services	sacks	\$ 26.00			\$ -
A-16	1	Plug and Abandon Conductors	lump sum	\$ 25,000.00			\$ -

**Current Total => \$ 64,404.88**