

**ENGINEER'S DAILY REPORT****COGCC Document No. 2055528**

Project: Dolphin Bond Claim Plugging and Abandonment (PHA-1233)  
Date: 5/1/2012

Personnel On Location

COGCC:	Jay Krabacher	Acting Project Manager	7:25	14:45	Everyone left Mulvihill Pad for Arroyo Pad at 14:00
A-Plus:	George Archuleta	Superintendent	7:00	14:45	
	Jaben Mangum	Cementer	7:00	15:45	Includes late-day trip to Biscuit Ranch 10-31D
	Wendell Bennally	Operator	7:00	14:45	
	Brent Begay	Derrick Hand	7:00	14:45	
	Robert Slaugh	Motor Man	7:00	14:45	
	Peter Romero	Floor Hand	7:00	14:45	
	Neil Frost	Wireline	7:00	14:45	
Screamin' Eagle:	Nolan Jaeger	3 other employees on location periodically	Various		

Weather: Cloudy, one light rain shower (AM) Clearing (PM)  
Calm to moderate breeze (AM & PM)  
40's - 50's (AM), 60's - 70's (PM)

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)	Cement truck (redi-mix type)

**Work Summary**

Biscuit Ranch 10-31D: Bradenhead SI since 17:00 on 4/30/2012. Bradenhead pressure was 95 psi at 15:45 (SI for nearly 23 hours). Opened bradenhead with a slight puff, then dead immediately. Left bradenhead valve open to vent.

Mulvihill 15-32D well pressures this morning: CP = 275 psi, BH = 5 psi, both bled down immediately. NU BOP at 8:40. RIH with gauge ring, attempting to tag cement above existing CIBP, reportedly set at 8500' with 3 sacks cement on top. Soft tag with gauge ring on wireline at 8172' (confirmed three times). Pressure test csg at 10:50 to 380 psi, lost 10 psi in 15 min (test passed). Perforated at 11:30 at 1095', and set CICR at 995'. Stung into CICR, and at 13:00, established good rate and circulation up annulus. Mixed 80 sacks Class B cement (1.18 cf/sk yield) at 13:15 at 15.6 ppg. Pumped approximately 67 sacks in the annulus (SI bradenhead and squeezed last 5 sacks before stinging out of the CICR), 8 sacks cement in the csg, and 5 sacks on top of the CICR after stinging out. Bradenhead left SI with 200 psi after squeeze. TOOH with tbq, and SWIFN.

Arroyo 16 Pad: tagged bottom in all four conductors at approximately 60 feet bgl and cut off tack-welded conductor plates.

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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		100%	\$ 11,035.00
BR-31	2	Plug and Abandon	hours	\$ 458.00		42.75	\$ 19,579.50
BR-31	3	Perforation Services	sets	\$ 1,722.00		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		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	Demobilized from pad on 4/30/2012. Incremental 50% complete verified today.	100%	\$ 11,035.00
BR-3	2	Plug and Abandon	hours	\$ 458.00		13	\$ 5,954.00
BR-3	3	Perforation Services	sets	\$ 1,722.00		1	\$ 1,722.00
BR-3	4	Cement Retainers	each	\$ 1,150.00			\$ -
BR-3	5	Cast Iron Bridge Plugs	each	\$ 1,932.00		1	\$ 1,932.00
BR-3	6	Cement Services	sacks	\$ 26.00		74	\$ 1,924.00
M-32	1	Mobilization and Demobilization	each	\$ 11,035.00	Mobilized to pad on 4/30/2012. Incremental 40% complete verified today.	50%	\$ 5,517.50
M-32	2	Plug and Abandon	hours	\$ 458.00	7.00 hours on Mulvihill 32 pad today to run gauge ring, perforate, set CICR, and pump surface casing shoe plug. Travel time to and brief work on Arroyo Pad not counted in this total (see separate measurement line item below).	7	\$ 3,206.00
M-32	3	Perforation Services	sets	\$ 1,722.00	Perforate casing at 1095'.	1	\$ 1,722.00
M-32	4	Cement Retainers	each	\$ 1,150.00	Set CICR at 995'.	1	\$ 1,150.00
M-32	6	Cement Services	sacks	\$ 26.00	Mixed and pumped 80 sacks cement for Plug #1.	80	\$ 2,080.00
A-16	1	Plug and Abandon Conductors	lump sum	\$ 25,000.00	No measurement today for brief visit to pad to check conductor depths and cut off plates.		\$ -

**Current Total => \$ 104,644.88**