

ENGINEER'S DAILY REPORT

COGCC Document No. 2055504

Project: Dolphin Bond Claim Plugging and Abandonment (PHA-1233)
Date: 4/20/2012

Personnel On Location

COGCC:	Dave Andrews	Project Manager	7:50	16:00	Off site to office and for lunch 11:45 to 13:15
A-Plus:	George Archuleta	Superintendent	7:00	15:45	
	Jaben Mangum	Cementer	7:00	15:45	
	Wendell Bennally	Operator	7:00	15:45	
	Brent Begay	Derrick Hand	7:00	15:45	
	Robert Slaugh	Motor Man	7:00	15:45	
	Peter Romero	Floor Hand	7:00	15:45	
	Neil Frost	Wireline	8:05	15:45	

Weather: M. Sunny (AM & PM)
Calm to Light SW Breeze (AM & PM)
40's - 60'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)	

Work Summary

Well pressures this morning: TP = 0 psi, CP = 0 psi, BH = 380 psi, blew down bradenhead to circulation tank, no fluid during blowdown. RIH with explosive tbg cutter at 8:00. Shot charge at 5678'. Tried to pull tbg, could not pull. TOOH with wireline to check tool; shots fired. Tried pulling tbg with torque; no success. Re-set charges and RIH at 10:00 with explosive tbg cutter again for second attempt. Shot charge at 5505'. Tried to pull tbg, could not pull. TOOH with wireline to check tool; shots fired. Tried pulling tbg, with torque; no success. Agreed on plan to move Plug #2 uphole 200' at 11:30. RIH with primer cord and shot collar at approximately 5313' in an attempt to back off tbg. Fluid started coming back up tbg while RIH at approximately 4000', indicating that one of the previous cutter attempts breached the tbg. Pumped down tbg and attempted to establish a circulation rate back up the tbg-csg annulus. Pumped 2 bpm at 1200 psi surface pressure at 14:00, but no circulation. Continued pumping with goal of pumping a full casing volume to evaluate possible casing collapse against tbg. If casing is collapsed against tbg, it may be grabbing the tbg, resulting in excessive stretch, which would explain a stuck point higher than the calculated stuck point. Checked wet cement samples collected during Plug #1 on 4/19/2012; both samples set up OK. No circulation established up tbg-csg annulus or bradenhead, therefore, likely casing collapse. Stopped pumping. Decision to wait on third-party free point service tomorrow, rather than attempting a third tbg cut with available equipment. SWIFN. Equipment down for repairs: Wireline truck repairs 9:00 to 10:30 (1.5 hrs) and pump truck repairs 12:00 to 13:30 (1.5 hrs)

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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	Zero hours today regular time (5.75 hours standby hours itemized below in change order for Tubing Cut; no progress made towards bid items today). No charge for 3.00 hours spent repairing equipment today.	25.5	\$ 11,679.00
BR-31	3	Perforation Services	sets	\$ 1,722.00			\$ -
BR-31	4	Cement Retainers	each	\$ 1,150.00		1	\$ 1,150.00
BR-31	6	Cement Services	sacks	\$ 26.00		145	\$ 3,770.00
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	Attempted two tubing cuts and a tubing back-off today. Will free point tomorrow.	\$ 4,596.15	\$ 4,596.15
BR-31	9.2 (Change Order #3)	Standby Time at 75% of regular rate	hours	\$ 343.50	Standby time spent attempting tubing cuts and pumping water down tubing to evaluate possible casing collapse. No progress made towards bid items.	5.75	\$ 1,975.13
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 =>	\$ 33,952.49