

ENGINEER'S DAILY REPORT

Project: Dolphin Bond Claim Plugging and Abandonment (PHA-1233)
Date: 4/19/2012

COGCC Document No. 2055503

Personnel On Location

COGCC:	Dave Andrews	Project Manager	7:35	11:15	
	Jay Krabacher	Acting Project Manager	11:00	14:15	
A-Plus:	George Archuleta	Superintendent	8:00	14:10	
	Jaben Mangum	Cementer	7:00	14:10	
	Wendell Bennally	Operator	7:00	14:15	
	Brent Begay	Derrick Hand	7:00	14:15	
	Robert Slaugh	Motor Man	7:00	14:10	
	Peter Romero	Floor Hand	7:00	14:15	
	Pedro Chavira	Extra Hand	7:00	11:30	Left for Farminton with redi-mix type cement truck
	Neil Frost	Wireline	8:05	14:15	
	Cody Wood	Wireline	8:05	11:30	Left for Farminton with redi-mix type cement truck
Screamin' Eagle:	Nolan Jaeger		13:10	14:10	

Weather: P. Cloudy (AM), M. Cloudy, changing to Cloudy with Rain (PM)
Calm (AM), Light to Moderate W Breeze (PM)
40's - 50's (AM), 50's - 60's (PM)

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

Work Summary

Well pressures this morning: TP = 0 psi, CP = 0 psi, BH = 375 psi, blew down bradenhead to closed tank at 7:40, little water during blowdown. RIH with last few stands of tbg to CICR. Stung into CICR, and attempted to establish a rate pumping water with plan to pump mud in tbg away below CICR before water and cement. Quickly pressured up to 2250 psi. Stung back out of CICR at 8:30. New plan to pump water ahead and cement down tbg while stung out until cement reaches CICR, then sting, adding hydrostatic weight from cement to reduce required pump pressure. Disadvantage is more mud returns requiring disposal. Still had 3 bbls water ahead in tbg. Started mixing and pumping Class G cement down tbg (1.15 cf/sk yield) at 8:50, 16.2 ppg; took wet sample. Measured weight of 16.1 ppg at 8:57, 15.7 ppg at 9:05, and 16.1 ppg at 9:12. Stung into CICR at 9:10 and also started displacement. Slowed rate at 9:25 when pump pressure approached 2300 psi. Max pump pressure is 3000 psi, with pop-off set at 2500 psi. Decision made to sting out of CICR at 9:38 with 55 sacks cement below the CICR (design was 145 sacks below, 5 sacks on top). Resumed displacement at 9:42, leaving 90 sacks cement on top of the CICR. Start TOOH with tbg at 10:00 to estimated cement top at approximately 5992'. Attempted to reverse circulate cement out of tbg at 11:00. Would not circulate. Attempted to pull more tbg. Apparently cement set up and tbg stuck. At 2.5 to 3 hours, wet samples had not set up yet. Ran gauge ring in tbg to 5878'. Called for explosive tubing cutter. Pulled on tbg 35K lbs to 45K lbs to check stretch to calculate free point (tbg is 2-3/8", 4.7ppf). Stretch was 17-5/8", rounded up to 18" to calculate a free point of 5805'. Checked tally, with EOT at 5919'. Screamin' Eagle arrived suck out fluid (approximately 100 bbls) from waste tanks (covered and open) and hauled offsite for disposal; also hauled off rental tanks. SWIFN and wait for tubing cutter tomorrow.

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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	7.25 hours on location today to blow down bradenhead pressure, pump Plug #1 cement job, and identify tubing stuck point after cement job. Ordered tubing cut for tomorrow, and shut down early.	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	Mixed and pumped 145 sacks cement for Plug #1 today.	145	\$ 3,770.00
BR-31	7.1 (Change Order #1)	Covered Tank Rental	lump sum	\$ 1,322.10	Rental for one day (\$65) plus demobilized covered tank (\$487.50) plus 13% subcontractor markup. Subtask complete.	\$ 1,322.10	\$ 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-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 => \$ 27,381.21