

ENGINEER'S DAILY REPORT

Project: Dolphin Bond Claim Plugging and Abandonment (PHA-1233)
Date: 4/21/2012

COGCC Document No. 2055505

Personnel On Location

COGCC:	Dave Andrews	Project Manager	7:40	18:45	Off site to office (twice) and for lunch 10:55 to 12:55 and 15:00 to 16:20
A-Plus:	George Archuleta	Superintendent	7:45	18:30	Off site for Porta-Potty maintenance 15:00 to 16:25
	Jaben Mangum	Cementer	7:00	18:40	
	Wendell Bennally	Operator	7:00	18:45	
	Brent Begay	Derrick Hand	7:00	18:45	
	Robert Slaugh	Motor Man	7:00	18:45	
	Peter Romero	Floor Hand	7:00	18:45	
	Neil Frost	Wireline	7:00	17:15	
RMWS:	Tyler Wortman	Wireline Free Point Service	7:00	9:00	
	Richard Wille	Wireline Free Point Service	7:00	9:00	
Screamin' Eagle:	Nolan Jaeger		10:45	12:00	

Weather: M. Sunny (AM & PM)
Calm to Light Breeze, SW, changing to NW (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 = 280 psi (likely from pressure left on tbg yesterday), CP = 0 psi, BH = 300 psi. Bled off tbg and blew down bradenhead to circulation tank, no fluid during blowdown. RMWS RIH with free point tool. Tbg stuck below collar at 5067' (6% free at 5079' below collar and 62% free at 5047' above collar). Next cut at 5030', above next tbg collar at 5035'. MU explosive tbg cutter, and RIH at 9:25. Successful cut at 5030'. Start TOOHH with tbg and resume "regular" rig time at 10:00. Completed TOOHH with tbg, RIH with perf gun on wireline, and shot perf holes at 4969' (as deep as we could go, wireline was getting hung up below that depth). RIH with CICR on tbg, and set CICR at 4875'. Rolled hole with water from 13:25 to 14:15. Mix and pump Plug #2, Class B cement (1.18 cf/sk yield) down tbg at 14:30, 15.7 to 15.8 ppg; took wet sample. Pumped total of 71 sacks cement (approximately 4.46 sacks/bbl), with approximately 66 sacks below CICR, stung out, and spotted approximately 5 sacks on top of the CICR. No circulation out bradenhead while pumping Plug #2. Sting out of CICR at 14:53, and TOOHH with tbg. MU perf gun at 16:30, and RIH with perf gun on wireline at 16:45. Blew down bradenhead at 17:05; approximately 30 psi had built up while SI after pumping Plug #2. Shoot perf holes at 1067'; fluid dropped immediately. RIH with CICR on tbg at 17:15, and set CICR at 895' (last-minute change: one jt deeper than planned depth of 867' to put more cement in annulus). Sting into CICR and circulate; took 25 bbls to load hole before circulation established out bradenhead. Continued circulating to kill gas-cut until 40 bbls ahead. Mix and pump Plug #3, Class B cement (1.18 cf/sk yield) down tbg at 17:55, 15.2 to 15.7 ppg; took wet sample. Pumped total of 101 sacks cement, with approximately 83 sacks in the annulus and approximately 13 sacks in the csg below CICR. Stung out, and spotted approximately 5 sacks on top of the CICR. TOOHH with tbg. SWIFN.

4-1/2" csg perforation Notes: 3-1/8 hollow stem carrier, 4 shots, 10 g charge, 0.34" hole, 24" penetration.

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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	8.75 hours on location today to free point, cut tbg, perforate, set CICR's, and cement (3.00 additional standby hours itemized below in change order for free point and tbg cut).	34.25	\$ 15,686.50
BR-31	3	Perforation Services	sets	\$ 1,722.00	Shot perfs at 4969' and 1067'.	2	\$ 3,444.00
BR-31	4	Cement Retainers	each	\$ 1,150.00	Set CICR's at 4875' and 895'.	3	\$ 3,450.00
BR-31	6	Cement Services	sacks	\$ 26.00	Mixed and pumped 71 sacks cement for Plug #2 and 101 sacks for Plug #3 (Plug #3 quantity increased by 47 sacks to increase plug length, per Emergency Change Order #4).	317	\$ 8,242.00
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	RMWS free point services and final, successful tbg cut.	\$ 10,180.54	\$ 10,180.54
BR-31	9.2 (Change Order #3)	Standby Time at 75% of regular rate	hours	\$ 343.50	3.00 hours standby time spent determining free point and cutting tbg.	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 =>	\$ 54,790.88