

## PORT FAIRY #1 7" CASING CEMENT JOB

EPR. Cementing Company : Dowell Date of Job: 24th Jan 2002

### Single Stage

LEAD CEMENT	NA	ppg	TAIL CEMENT	15.8	ppg	Diesel Spacer	7.09	ppg
previous shoe	818	m	top of tail	670	m	Amount	n/a	bbl
bottom of lead		m	bottom of tail	1540	m	diesel	n/a	bbl
gauge hole (ft3)		ft3	gauge hole (ft3)	362.1	ft3	MCS B	n/a	
plus 100% excess		ft3	plus 40% excess	506.9	ft3	<b>Chemical Wash</b>	8.3	ppg
Caliper hole volume (logs)	n/a	ft3	Caliper hole volume (logs)	550.0	ft3	Amount	n/a	bbl
csg-csg ann. cap. (cuft/ft)		ft3/ft	csg-csg ann. cap. (cuft/ft)	0.1268	ft3/ft	water (39.9 galls/bbl)	n/a	bbl
length (ft)		ft	length (ft)	492	ft	MCS B (2.1 galls/bbl)	n/a	gal
csg-csg volume (cuft)		ft3	csg-csg volume (cuft)	62	ft3	FP9L	0	gal
shoe track		ft3	shoe track	9.0	ft3			
slurry volume (cuft)		ft3	slurry volume (cuft)	577.9	ft3	<b>Pressures</b>		
No. of sacks		sx	No. of sacks	498	sx	max differential	1325	psi
mix water theory		bbls	mix water theory	61.7	bbls			
mix water actual		bbls	mix water actual	61.7	bbls	<b>Job Time Estimate</b>		
D081 Retarder 0.04 gals/sx		gals	D145A Dispersant	32	gal	mixing slurry	40	min
bentonite (30kg/tonne)		sx	D144 Antifoam	5	gal	displacement	23	min
D144 Antifoam.		gals				total time	70	min
D145A Retarder						thickening time	4	hour
CaCl2	0	kgs						
<b>Displacement</b>	<b>199.0</b>	<b>bbl</b>	<b>JOB SUMMARY</b>					
Cementer	199	bbl Water	Time	mins	Description & Comments			
Rig pump	0.0	bbl 9.1 mud	04:30 - 04:32	2	Pump 10 bbls water ahead.			
liner size (in)	7.00	in	04:32 - 04:35	5	Test lines 3500psi Ok.			
97% efficiency	0.078	bbl/stk	04:35 - 05:15	40	Mix and pump tail.			
number of strokes	0		05:15 - 05:40	25	Wash out line. Drop top plug. Displace.			
rate	11	BPM	05:40 - 05:50	10	Bump plug w/ 3000 psi 5 mins OK.			
SPM	0				Nil cmt returns.			
annular velocity	110	fpm						
approx. time	17	minutes			Float held OK.			
					Well was flowing strongly after plug bumped. Shut annu:			
					Shut in pressure 10 psi. Observe 10mins. 13 psi.			
					Bled down OK.			