

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	Chemical Wash	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	Pressures		
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	Job Time Estimate		
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						
Displacement	199.0	bbl	JOB SUMMARY					
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 annul.			
					Shut in pressure 10 psi. Observe 10mins. 13 psi.			
					Bled down OK.			