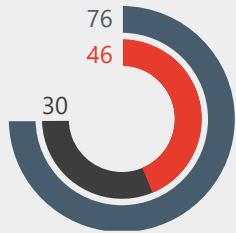


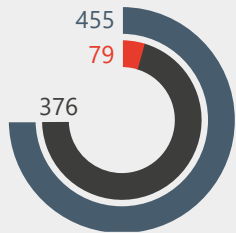
# ARDYNE CASING RECOVERY OPERATIONAL UPDATE



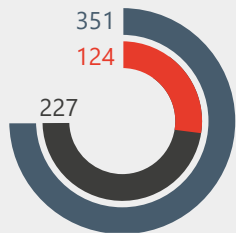
Where and why do Ardyne recover casing?



EXPLORATION / DEVELOPMENT



SLOT RECOVERY / RE-ENTRY



WELL ABANDONMENT

## THE OPERATION

Ardyne's technology is changing clients approach to Open Hole Casing Recovery.

The ability to recover casing efficiently from open hole versus conventional methods improves safety, reduces rig time and offers new methods which can be relied on to reduce planned operational spend.

Ardyne Casing Recovery Runs			
Where		Why	
Exploration/Development	Type	Side-track	Barrier Plug placement (cement)
TRIDENT	Open Hole	1	3
	Cased Hole	0	3
TITAN / DHPT	Open Hole	25	17
	Cased Hole	4	23
Slot recovery/Re-entry	Type	Side-track	Barrier Plug placement (cement)
TRIDENT	Open Hole	2	N/A
	Cased Hole	12	
TITAN / DHPT	Open Hole	77	
	Cased Hole	364	
Well Abandonment	Type	Side-track	Barrier Plug placement (cement)
TRIDENT	Open Hole	N/A	44
	Cased Hole		1
TITAN / DHPT	Open Hole		80
	Cased Hole		226



Recovered cemented casing



Settled solids covering recovered casing



**"FAIRFIELD RECOGNISED THAT TREATING CASING RECOVERY AS A NICHE SERVICE COULD RESULT IN BIG SAVINGS"**

# ARDYNE OPERATIONAL APPLICATIONS

Where Ardyne operate within the well life cycle and **What** we can offer in Casing Recovery



TRIDENT® System	Packer	Anchor	Cutter	Cement Removal / Bridge Plug
65+ RUNS				

*"CNR RECOGNISED THAT TRIDENT'S RECORD OF RELIABLE, SAFE PERFORMANCE IMPROVEMENT WOULD BENEFIT DEEPWATER APPLICATIONS"*

TITAN System	DownHole Power Tool	ALO-Valve	TYPHOON® Spear	Mud Motor	Casing Cutter	Taper Mill
RUNS	785+	230+	200+	Industry Standard	Industry Standard	Industry Standard

