

## Down Hole

Job: AU-DD-OEH-001  
Well: Westwood 1  
Run: 07  
Incident: FR-07

Incident Count: 1  
Total Lost Time: 15.45  
Start Run Date: 26/12/2009 9:30:00AM  
End Run Date: 28/12/2009 1:00:00PM

### Job Information

Company: Overseas Energy Holdings  
Region: Asia Pacific  
District: Australia  
Field: Westwood  
Coordinator Name: Ali Rastegar  
Rig Phone: N/A  
Service Type:  
Surface System: KIT-15613

### Engineers On Duty

<u>Lead</u>	<u>Last Name</u>	<u>First Name</u>	<u>Description</u>
	Khan	Faheem	
	Pickering	Clive	

### Reason for POOH

POOH Intermitant Pulses from PP MWD tool resulting in not able to set TF for sliding

### Hydraulics

### Drilling Parameters

### Mud Parameters

<u>Δ P Total:</u>	425	psi	<u>RPM:</u>	113		<u>Mud Type:</u>	Water Base	
<u>Max Oper Pressure:</u>	2864.09	psi	<u>Weight on Bit:</u>	22	klb	<u>Mud Weight:</u>	9.35	ppg
<u>TFA:</u>	0	in2	<u>Flow Rate:</u>	409	gpm	<u>Funnel Viscosity:</u>	43	sec/qt
<u>Max Obs Pressure:</u>	0	psi	<u>Under Balanced:</u>	No		<u>Oil %:</u>	0	
<u>Max Hyd Pressure:</u>	2439.09	psi	<u>Gas Flow Rate:</u>	0	ft3/min	<u>Water %:</u>	93.7	
<u>Pulse Amplitude:</u>	22	psi	<u>Torque:</u>	26000	ft-lbs	<u>Solid %:</u>	6.3	
<u>Orifice Size:</u>	30	deg				<u>Sand %:</u>	0	
						<u>pH:</u>	10	

## Failure Data

**Tool #:** PH91796PDYB-T05

**Incident Date:** 28/12/2009 7:00:00 AM

**Component:** Control Module Sonde

**TFF:** No

**Serial Number:** 1796

**CI:** Yes

**Lost Time:** 15.45

### Incident Parameters

<u>Depth MD:</u>	1517	m
<u>Depth TVD:</u>	1514	m
<u>Oper Pressure:</u>	1350	psi
<u>Temperature:</u>	48	C
<u>Mud Weight:</u>	9.25	ppg
<u>Flow Rate:</u>	375	gpm
<u>Sand %:</u>	0.1	
<u>Lcm:</u>	0	lbs/bbl
<u>Lcm Type Grade:</u>		
<u>WOB:</u>	18	klb
<u>Torque:</u>	6250	ft-lbs
<u>RPM:</u>	62	

### Failure Description:

Intermittant pulsing of PP MWD tool. Pulsing for few min and then stop. There is a gap of 5 - 15 minutes before tool come back to pulsing again. Pulses amplitude and detection are good when working. we are able to take survey but cannot send TF continuously.

### Corrective Action:

after rechecking the surface gear 1. Cycled pump, - no result 2. change between pumps 1 & 2, - no change 3. change stroke rate, - no change 4. shut pumps off for 7 min, recycled, - no change 5. pumps on & rotate drill string, - no change 6. run dual pumps, - no change 7. swapped over laptop and PC/MIA Card, - no change 8. Checked sensors functioning ok - no change 9. checked with Mud engineer if LCM or unusual additives in mud mix - none present 10. Checked with Mud Loggers/Geo for unusual formation - no change to previous drilling still Meta sandstones with minor meta siltstones & occasional slate associated with DEVONIAN formations, 11. check pipe screen - no damage or buildup, 12. on/off bottom, - no change 13. shook drill pipe. worked the pipe- no change. 14. POOH and replaced MWD tool with backup. 15. On surface tool tap test pulser fired. 16 removed Pulser and plugged in programming cable and tested tool - Battery Voltage ok, NO FAULT FOUND. 17 Rand roll tests long/short surveys on tool for 45 min - no communications problems. 18 fired pulser for 20 minutes no failed pulses