

Down Hole

Job: AU-DD-OEH-001
Well: Westwood 1
Run: 01
Incident: FR-01

Incident Count: 1
Total Lost Time: 22.25
Start Run Date: 12/12/2009 5:00:00AM
End Run Date: 14/12/2009 6:00:00AM

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

Lead	Last Name	First Name	Description
	Pickering	Clive	LWD/MWD Engineer
	Khan	Faheem	LWD/MWD Engineer
	Fleming	Bob	DD

Reason for POOH

No Response from CDS/BTR

Hydraulics

Drilling Parameters

Mud Parameters

<u>Δ P Total:</u>	0	psi	<u>RPM:</u>	113		<u>Mud Type:</u>	Water Base
<u>Max Oper Pressure:</u>	1720.57	psi	<u>Weight on Bit:</u>	25	klb	<u>Mud Weight:</u>	9.3 ppg
<u>TFA:</u>	0.75	in2	<u>Flow Rate:</u>	366	gpm	<u>Funnel Viscosity:</u>	38 sec/qt
<u>Max Obs Pressure:</u>	0	psi	<u>Under Balanced:</u>	No		<u>Oil %:</u>	0
<u>Max Hyd Pressure:</u>	1720.57	psi	<u>Gas Flow Rate:</u>	0	ft3/min	<u>Water %:</u>	94.1
<u>Pulse Amplitude:</u>	5	psi	<u>Torque:</u>	6000	ft-lbs	<u>Solid %:</u>	5.9
<u>Orifice Size:</u>	45	deg				<u>Sand %:</u>	0.25
						<u>pH:</u>	8.5

Failure Data

<u>Tool #:</u> PH91612PDYB-T01			
<u>Incident Date:</u> 14/12/2009 6:00:00 AM	<u>Component:</u>	CDS	<u>TFF:</u> No
	<u>Serial Number:</u>	490	<u>CI:</u> No
			<u>Lost Time:</u> 22.25

Incident Parameters

<u>Depth MD:</u>	1073	m
<u>Depth TVD:</u>	1068	m
<u>Oper Pressure:</u>	950	psi
<u>Temperature:</u>	38	C
<u>Mud Weight:</u>	9.3	ppg
<u>Flow Rate:</u>	370	gpm
<u>Sand %:</u>	0.25	
<u>Lcm:</u>	0	lbs/bbl
<u>Lcm Type Grade:</u>		
<u>WOB:</u>	25	klb
<u>Torque:</u>	4000	ft-lbs
<u>RPM:</u>	60	

<u>Failure Description:</u>	No Response CDS/BTR - Tool trasmits error code to surface, detection ok, decoded and displayed as error. Unable to get TF, INC, AZI, BX,BY,BZ, GX,GY,GZ, or TEMP
<u>Corrective Action:</u>	Pull Off Bottom, checked detection, Pulses evident and decoding appeared correct. Cycle pumps for 2 times, Switched pumps. Identified possible CDS/BTR Failure. POOH, Replace tool with secondary MWD string. Run Secondary tool back in hole. Inspected failed tool on surface for external damage, - non evident. Checked for possible vented battery - non evident. Inspected centralizers for size/fit. When failed tool disassembled and inspected identified the CMS (connector at battery end) loose. Tool reassembled and Surface test passed VIB/Excel data downloaded. Quarantined failed tool until further testing completed and analysis of vibration data. Replacement modules organised for use on site.