

HALLIBURTON**CAST-M
ADVANCED CEMENT
EVALUATION**

FOLD HERE	
Service Ticket No.: 9756401 API Serial No.: 50029200289000 PGM Version: XL v5.1	
DIRECTIONAL INFORMATION	
Maximum Deviation	deg. @ KOP
Remarks: LOG CORRELATED TO PIPE TALLEY PROVIDED BY COMPANY MAN SHORT JOINT AT 7509'	
LOG CAST-M/CBL-M BOND LOG FROM 8000' TO 6000' FREE PIPE CALIBRATED AT 1965' ESTIMATED TOP OF CEMENT AT 6450'	
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES.	
<small>HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA. CONVERSION OF LOG DATA TO ROCK ROCK DENSITY AND GRADIENTS MAY NOT BE GIVEN BY HALLIBURTON PERSONNEL, OR MAY NOT BE ACCURATE. LOG DATA IS FOR INFORMATION PURPOSES ONLY. HALLIBURTON IS NOT RESPONSIBLE FOR ANY LOSS, DAMAGE, OR EXPENSE RESULTING FROM THE USE THEREOF.</small>	
<small>HALLIBURTON</small>	
STANDARD CEMENT IMPEDANCE MAP	
THE MAXIMUM IMPEDANCE FOR FREE GAS : 0.38 RED THE MAXIMUM IMPEDANCE FOR LIQUID : 2.30 MEDIUM BLUE THE MAXIMUM IMPEDANCE FOR SOLID-LIQUID TRANSITION : 2.70 YELLOW THE MAXIMUM IMPEDANCE FOR LOW Z CEMENT : 3.85 LIGHT BROWN THE MAXIMUM IMPEDANCE FOR MED Z CEMENT : 5.00 DARK BROWN THE MINIMUM IMPEDANCE FOR HIGH Z CEMENT IS : 5.00 BLACK	
DERIVATIVE MAP	
THE MAXIMUM DERIVATIVE FOR LIQUID : 0.30 MEDIUM BLUE THE MAXIMUM DERIVATIVE FOR LOW DERIVATIVE CEMENT : 0.60 LIGHT BROWN THE MAXIMUM DERIVATIVE FOR MED DERIVATIVE CEMENT : 0.90 DARK BROWN THE MINIMUM DERIVATIVE FOR HIGH DERIVATIVE CEMENT : 0.90 BLACK	
CEMENT MAP	
FOR FLUIDS DZ IS LESS THAN DZWAT OF : 0.15 AND ZB IS LESS THAN CEMLIM OF : 2.70 FLUIDS ARE MEDIUM BLUE WHILE SOLIDS OR CEMENTS ARE DARK BROWN	



