



GEMDAS LOGGING REPORT NO. 47

COMPANY AMOCO AUST. WELL TILANA No 1
 DATE 26/10/85 TIME 05:00
 DEPTH 3752 (12310') LAST REPORT DEPTH 3746.6m (12292')
 RIG OPERATIONS REAM RAT HOLE
 REPORT BY D. NEW REPORT RECEIVED BY S. MAXWELL (OPERATOR)

DRILLING REPORT

Bit No.: NB#20 Type: SMITH F2 Size: 1 1/4" Jets: 3x14
 On Bit: Footage: 18 (5.5m) Hours: 4.9 HRS ROP: 3.7 FT/HR (1.1m/hr) OB: 10-30 RPM: 60-120
 (CORE BIT)
 Pump Press: 700 SPM: 50 Torque: 3-5.8 TBR: 29,700 CP I: \$ _____ CP B: \$ _____

HYDRAULICS REPORT NB#20

Mud Density In: 9.9 Mud Density Out: 9.9† ECD: 10.1 PV/YP: 26/32
 Gels: _____ Salinity: _____ PPM Cl Solids: _____ %
 Hole Volume: 1866 BBL Annular Volume: 1540 BBL Tubing Volume: 209 BBL Displaced Volume: 117 BBL
 Carbide Lag—Calculated Lag: 935 STHS 111 BBL Flowrate: 595 GPM
 Drillpipe Annular Vel (Max. Dia. Sec.): 45 FT/MIN Drillpipe Annular Vel (Open Hole): 117 FT/MIN
 Drill Collar Annular Vel (Open Hole): 169 FT/MIN Critical Vel: 524 FT/MIN
 Pressure Loss System: 143G Pressure Loss Bit: 1584 % Pressure Loss: 52
 Nozzel Vel: 423 FT/SEC Jet Impact Force: 1290 LBS HHP: 550 HP

PRESSURE PARAMETERS

Drilling Exponent: CORING - NO VALID DXC'S Flowline Temperature: 46.1°C
 Shale Density: _____ Shale Factor: _____
 Background Gas: 2-3 Max. Formation Gas: — @ — Trip Gas: 24cc @ 3746.6m
0.04-0.06 (12292')
 Other Gas: NIL
 Fill: NIL Tight Hole: NONE ON TRIP
 Cavings: Est %: < 20% Average Size: SMALL BLOCKY

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 2.0 ppg Min. Estimated Fracture Pressure (Open Hole): 13 ppg
 Estimated Pore Pressure: 8.7 Min. Estimated Pore Pressure (Open Hole): 8.7 @ SMOE
 Max. Estimated Pore Pressure (Open Hole): 9.4 @ 3570m Estimated Fracture Pressure at TD: 16 ppg

Comments: CUT CORE No 3 FROM 3746.6m (12292') TO 3752m (12310') 100% RECOVERY. RHM TEST STAM. RIM WITH NB#20. REAM RAT HOLE. CORE No 3: LITHOLOGY, BASALT.

SURFACE MP = 1048.3 MP. MP/IN² = 4.66.

CORRECTED HOLE VOLUME = 1976 BBL (16736 STHS)
" ANNUALAR " = 1651 BBL (13977 STHS)