



GEMDAS LOGGING REPORT NO. 22

COMPANY AMOCO AUST. WELL TILANA No 1
 DATE 1/10/85. TIME 05:00
 DEPTH 8099 (2468.6m) LAST REPORT DEPTH 7971 (2429.5m)
 RIG OPERATIONS DRILL 12 1/4" HOLE.
 REPORT BY D. NEW REPORT RECEIVED BY J. GULLORY (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB#13 Type: SMITH F3 Size: 12 1/4 Jets: 3x14
 On Bit: Footage: 128 Hours: 8.3 ROP: 15.4 FT/HR. WOB: 40-45 RPM: 85-90
 Pump Press: 2700 SPM: 98 Torque: 2-3.5 TBR: 43570 CP I: \$ _____ CP B: \$ _____

HYDRAULICS REPORT

Mud Density In: 9.3 Mud Density Out: 9.3 ECD: 9.38 PV/YP: 23/13
 Gels: _____ Salinity: _____ PPM Cl Solids: _____ %
 Hole Volume: 1273 Annular Volume: 1053 Tubing Volume: 134 Displaced Volume: 86
 Carbide Lag—Calculated Lag: 1725ths (2235L) Flowrate: 456 GPM.
 Drillpipe Annular Vel (Max. Dia. Sec.): 34 FT/min Drillpipe Annular Vel (Open Hole): 89.2 FT/min.
 Drill Collar Annular Vel (Open Hole): 129.6 FT/min Critical Vel: 318.7 FT/min.
 Pressure Loss System: 1830 psi Pressure Loss Bit: 870 psi % Pressure Loss: 32 1/2
 Nozzel Vel: 324 FT/SEC Jet Impact Force: 709 LBS HHP: 231 HP.

PRESSURE PARAMETERS

Drilling Exponent: 1.4-1.9 AUG ~ 1.7 Flowline Temperature: 46.7
 Shale Density: _____ Shale Factor: _____
 Background Gas: 1-2 Max. Formation Gas: 14cc @ 2446m (0.7%) Trip Gas: 16cc @ 7971' (0.8%) (8024') (2429.5m)
 Other Gas: NIL
 Fill: NIL Tight Hole: NIL
 Cavings: Est %: MINOR Average Size: SMALL

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 3.6 ppg Min. Estimated Fracture Pressure (Open Hole): 13
 Estimated Pore Pressure: 8.7 Min. Estimated Pore Pressure (Open Hole): 8.7 @ 5MOB
 Max. Estimated Pore Pressure (Open Hole): 8.7 @ T.P. Estimated Fracture Pressure at TD: 14.8

Comments: POOH. STACH TEST. RIM WITH NB#13.
NO PROBLEMS ON TRIP. DRILL AHEAD.

LITHOLOGY: CLAYSTONE WITH SILTSTONE AND SANDSTONE.

SurFACE HP: 716 HP HP/SQ IN = 1.96.