



GEMDAS LOGGING REPORT NO. 24

COMPANY AMOCO AUST. WELL TILANA No1
 DATE 3/10/85. TIME 05:00
 DEPTH 2610.7m (8565') LAST REPORT DEPTH 2563m (8409')
 RIG OPERATIONS DRILL 12 1/4" HOLE.
 REPORT BY D. NEW REPORT RECEIVED BY J. GULLOAT. (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NBH14 Type: SMITH Size: F 2 CE Jets: 3x13, 1x8
 On Bit: Footage: 145 FT Hours: 10.1 ROP: 14.3 FT/HR. WOB: 40-43 RPM: 85-90
 Pump Press: 2510 SPM: 112 Torque: 2.5-3.8 TBR: 52450 CP I: \$ 1300 CP B: \$ 1580

HYDRAULICS REPORT

Mud Density In: 9.3 Mud Density Out: 9.3 ECD: 9.4 PV/YP: 22/12
 Gels: _____ Salinity: _____ PPM Cl Solids: _____ %
 Hole Volume: 1389 BBL Annular Volume: 1157 BBL Tubing Volume: ~~142~~ 142 Displaced Volume: 90 BBL
 Carbide Lag—Calculated Lag: 587 STKS (70 BBL) Flowrate: 560
 Drillpipe Annular Vel (Max. Dia. Sec.): 42 FT/MIN Drillpipe Annular Vel (Open Hole): 110 FT/MIN.
 Drill Collar Annular Vel (Open Hole): 160.1 FT/MIN Critical Vel: 301.7 FT/MIN
 Pressure Loss System: 1103 Pressure Loss Bit: 1407 % Pressure Loss: 55
 Nozzel Vel: 411.7 FT/SEC Jet Impact Force: 1114 LBS HHP: 461 HP

PRESSURE PARAMETERS

Drilling Exponent: 1.11 - 1.78 AVG 1.65 Flowline Temperature: 45.5°C
 Shale Density: _____ Shale Factor: 1 - 4
 Background Gas: 1-2u(0.02 Max. Formation Gas: 4/4 @ 2562m Trip Gas: 2u(0.04u) @ 2566.5
-004%) (8405') (8420')
 Other Gas: NIL
 Fill: NIL Tight Hole: 20HUB DRAG ON STAND 8 OF TRIP OUT.
 Cavings: Est %: UP TO 50% COAL Average Size: SMALL, BLOCKY.

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 3.4 ppg EMW Min. Estimated Fracture Pressure (Open Hole): 13 pps
 Estimated Pore Pressure: 8.7 Min. Estimated Pore Pressure (Open Hole): 8.7 @ SMOB
 Max. Estimated Pore Pressure (Open Hole): 8.7 @ T.D Estimated Fracture Pressure at TD: 14.9 ppg

Comments: DRILL TO 2566.5m (8420') PUMP HIGH VIS PILL
CIRCULATE BOTTOMS UP, DROP SURVEY AND POOH DUB
TO POSSIB HIGH TORQUE. ALL THREE ZONES LOOSE AND ONE
NOZZEL BLOCHED. RIM WITH NBH14. DRILL AHEAD.
SURFACE HP: 823 HP AT BIT/SQ IN: 3.91 HP/SQ IN
LITHOLOGY: CLAYSTONE, WITH SILTSTONE AND
OCCASIONAL SANDSTONE AND COAL INTERBEDS
NBH13: 449' IN 31.9HRS AVG ROP 14.1 FT/HR (4.3m/HR)