

GEMDAS LOGGING REPORT NO. 17

COMPANY AMOCO AUST. WELL TILANA No1
 DATE 26/9/85 TIME 05:00
 DEPTH 6742' (2055m) LAST REPORT DEPTH 6444' (1964m)
 RIG OPERATIONS DRILL 12 1/4" HOLE.
 REPORT BY D. NEW REPORT RECEIVED BY J. GUILLORY (OPERATOR)
SIGNED

DRILLING REPORT

Bit No.: NB#11 Type: SMITH F2 Size: 12 1/4 Jets: 3x15
 On Bit: Footage: 174' Hours: 10.7 ROP: 16.3 FT/HR WOB: 35 RPM: 88
(AVG FOR NB#11)
 Pump Press: 2300 SPM: 121 Torque: ~2.0 TBR: 5850 CP I: \$ 1073 CP B: \$ 1326

HYDRAULICS REPORT

Mud Density In: 9.0 Mud Density Out: 9.1 - 9.2 ECD: 9.1 PV/YP: 16/10
 Gels: _____ Salinity: _____ PPM Cl Solids: _____ %
 Hole Volume: 1078 BBL Annular Volume: 892 BBL Tubing Volume: 110 BBL Displaced Volume: 76 BBL
 Carbide Lag—Calculated Lag: 207 STHS (25 BBL) Flowrate: 618 GPM
 Drillpipe Annular Vel (Max. Dia. Sec.): 46.4 FT/MIN Drillpipe Annular Vel (Open Hole): 121.1 FT/MIN
 Drill Collar Annular Vel (Open Hole): 176 FT/MIN Critical Vel: 262.2 FT/MIN
 Pressure Loss System: 1122 psi Pressure Loss Bit: 1178 psi % Pressure Loss: 51%
 Nozzel Vel: 382.9 FT/SEC Jet Impact Force: 1102.1 LBS HHP: 424.7

PRESSURE PARAMETERS

Drilling Exponent: 1.1 - 2.04 Avg 1.6 Flowline Temperature: 40.5°C
 Shale Density: _____ Shale Factor: _____
 Background Gas: 0.0 - 0.1u Max. Formation Gas: 0.4u @ 2019m Trip Gas: 0u(0%) @
(10000%) (6623')
 Other Gas: NIL
 Fill: NIL Tight Hole: NIL
 Cavings: Est %: <10% Average Size: SMALL

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 4.4 ppg. Min. Estimated Fracture Pressure (Open Hole): 13 ppg
 Estimated Pore Pressure: 8.7 ppg Min. Estimated Pore Pressure (Open Hole): 8.7 ppg @ SHOE.
 Max. Estimated Pore Pressure (Open Hole): 8.7 ppg @ T.D. Estimated Fracture Pressure at TD: 18 ppg (DIORITE)

Comments: DRILL 12 1/4" HOLE TO 2002m (6568') POOH f NO DRAG
DUE TO LOW ROP. R/H WITH NB#11 AND DRILL AHEAD. ROP
LOW DUE TO LITHOLOGY (DIORITE, INTRUSIVE)
SURFACE HP = 829 HP/SQ IN = 3.6HP/SQ IN.
NB#10: 248' IN 6.3 HRS (LOW BOTTOM) AVG ROP: 39.6 FT/HR
LITHOLOGY: DIORITE.

THE TYPE OF LITHOLOGY AND THE ABSENCE OF GAS IS
MAKING PORE PRESSURE ESTIMATES UNRELIABLE. HOWEVER
THERE IS NO EVIDENCE TO SUGGEST ANY CHANGE IN PORE PR.