329272

EXLOG (SM) GEMDAS LOGGING REPORT NO. 7.

COMPANY AMOCO AUST. WELL TILANA - 1

DATE 16th SEPT '85 TIME 0500 hrs.

DEPTH 1661.7m (5452'). LAST REPORT DEPTH 1061.7m (5452').

RIG OPERATIONS CONTINUE OPENING 12¼" TO 17½" @ 1416.6m (4648')

REPORT BY J. STRAUTINS REPORT RECEIVED BY J. GUILLORY (SIGNED) (OPERATOR)

DRILLING REPORT

Bit No.: NB5 Type: SMITH SDSH Size: 17½" Jets: 12, 3X15

On Bit: Footage: 3276' Hours: 20.3. ROP: 5-200 ft/hr. WOB: 10-40 RPM: 84-130

Pump Press: 1830 psi SPM: 142 Torque: 0.9-3 TBR: 145,000 CP I:$ 336 CP B:$ 103

HYDRAULICS REPORT

Mud Density In: 8.9 ppg Mud Density Out: 8.9 ppg ECD: 9.1 ppg PV/YP: 9/18

Gels: 5/22 Salinity: 10,000 PPM Cl Solids: 6 %

Hole Volume: 1424 bbl Annular Volume: 1293 bbl. Tubing Volume: 73 bbl Displaced Volume: 58 bbl.

Carbide Lag—Calculated Lag: Assumed in-gauge for volumes Flowrate: 726 gpm

Drillpipe Annular Vel (Max. Dia. Sec.): 54 ft/min Drillpipe Annular Vel (Open Hole): 63 ft/min

Drill Collar Annular Vel (Open Hole): 82 ft/min Critical Vel: 319 ft/min

Pressure Loss System: 742 psi Pressure Loss Bit: 1088 psi % Pressure Loss: 59 %

Nozzel Vel: 370 ft/sec. Jet Impact Force: 1235 lbs HHP: 460 hp

PRESSURE PARAMETERS

Drilling Exponent: n/a Flowline Temperature: 47°C

Shale Density: - Shale Factor: -

Background Gas: 5 Max. Formation Gas: 20 @ 4040' Trip Gas: - @ -

Other Gas: -

Fill: - Tight Hole: -

Cavings: Est %: - Average Size: -

ESTIMATED PORE AND FRACTURE PRESSURE

Kick Tolerance: 1.5 /10.7ppg Min. Estimated Fracture Pressure (Open Hole): 15.3 ppg csg shoe

Estimated Pore Pressure: 8.7 ppg Min. Estimated Pore Pressure (Open Hole): 8.7 ppg @ csg shoe

Max. Estimated Pore Pressure (Open Hole): 8.7 ppg @ TD. Estimated Fracture Pressure at TD: 19.5 ppg

Comments: CONTINUE OPENING 12¼" HOLE TO 17½" FROM 3015 - 4648'.
VERY VARIABLE TORQUE (HIGH WITH VOLCANICS)

NOTE: SOLIDS CONTROL EQPT. LOSES 10-15 BBL/HR.

			Total cumulative loss
NOTE: MUD LOSSES	4350 - 4380'	25 bbls/hr	25 bbls
	4380 - 4410'	20 bbls/hr.	45
	4410 - 4510'	6 bbls/hr.	55
	4510 - 4555'	15 bbls/hr.	97
	4555 - 4637'	10 bbls/hr.	133 bbls/10 hrs.
	4637 - 4648'	STEADY.	