



OIL and GAS DIVISION

FINAL TECHNICAL REPORT

WYRALLAH NO. 1 W.C.R

ATTACHMENT NO. 1

26 FEB 1985

W864

Attachment 1 to WCR

Wyrallah-1

(W864)

OIL and GAS DIVISION

GIPPSLAND BASIN
BASS STRAIT - VIC P17
WYRALIAH NO. 1
FINAL TECHNICAL REPORT

26 FEB 1985

CH. FOULLLOUP
AAP WELSHPOOL
APRIL 1984

SUMMARY

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| F3b' | MEANS USED |
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| F5 | CASING & CEMENTING REPORT 13 3/8" |
| F7 | BIT RECORD |
| ANNEX 1 | DAILY DRILLING REPORT |

F3a Bis /10-81**WELL DATA**WELL: WYRALLAH #11) WELL NAME WYRALLAH #12) IDENT.: WAH 13) GEOGRAPHICAL AREA : AUSTRALIA
BASS STRAIT4) GEOLOGICAL BASIN : GIPPSLAND5) FIELD : VIC P176) BLOCK :
VIC P177) PERMIT HOLDERS :
VIC P17

| | |
|------------------------|--|
| <u>AUSTRALIAN</u> | |
| <u>AQUITAINE</u> | |
| <u>PETROLEUM A.A.P</u> | |
| <u>25%</u> | |

8) PARTNERS :

| Name | % | Name | % |
|------------------------------------|-------------|-----------------|-------------|
| <u>AUSTRALIAN OCCIDENTAL</u> | <u>25</u> | <u>AGEX PTY</u> | <u>12.5</u> |
| <u>ALLIANCE RESOURCES</u> | <u>25</u> | | |
| <u>CONSOLIDATED PETROLEUM AUST</u> | <u>12.5</u> | | |

9) OPERATOR : AUSTRALIAN AQUITAINE
PETROLEUM PTY LTD.11) REFERENCE WELLS
NameKYARRA # 1

10) INITIAL STATUS

Exploration 1
Development 2
Other 3

12) LOCATION COORDINATES

site

Land 1
Offshore 2
Swamp 3
Other 4

geographical coordinates

Latitude 38° 40' 36.8" South
Longitude 147° 05' 6.33" E

reference meridian

Paris P
Greenwich G

U.T.M. coordinates
LAMBERT coordinates

X(m) _____
Y(m) _____
Z(m) _____

SITE

LAND

OFFSHORE

SWAMP

OTHER

Distance RKB/REF.

53 m 21 m

Reference

GROUND

MUD LINE

ZERO HYDRO

13) DRILLING OBJECTIVES

| Objective n° | Formation | Formation tops vertical depth | Departure | Direction |
|--------------|--------------------------|-------------------------------|-----------|-----------|
| <u>1</u> | <u>TOP LATROBE GROUP</u> | <u>802 m</u> | | |
| | | | | |
| | | | | |

14) WELL COURSE

Vertical 1
Deviated
Normal 2
Scourse 3

15) WAS THE OBJECTIVE REACHED ?

| | yes | no | Formation tops vertical depth | Departure | Direction |
|-------------|-------------------------------------|--------------------------|-------------------------------|-----------|-----------|
| OBJECTIVE 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>877 m</u> | | |
| OBJECTIVE 2 | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| OBJECTIVE 3 | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| OBJECTIVE 4 | <input type="checkbox"/> | <input type="checkbox"/> | | | |

16) RESULTS

1 Oil production
2 Gas production
3 Water production

4 Shows but no reservoir
5 Injection well
6 Dry well

ABANDON

7 Temporarily plugged
8 Plugged and abandoned
9 Completed

17) DATES (·)

| BEGINNING | END |
|----------------------------|--------------------------|
| Well <u>14.04.84</u> | Drilling <u>23.04.84</u> |
| Drilling : <u>16.04.84</u> | Well <u>27.04.84</u> |

18) WELL END (··)

Total depth 1160 m Vertical depth : 1160 m
Drilled footage : 1107 m Lost footage : _____
Total departure : _____ Direction : _____

TOTAL DURATION

{ Drilling : 6.66 days
Well : 12.36 days

19) COSTS

Before drilling _____ CURRENCY UNIT
During drilling SEE F3s bis Page 4
After drilling _____
Total well _____

Area management : AUSTRALIAN AQUITAINE PETROLEUM PTY LIMITED

Located : MIDLAND HIGHWAY, WELSHPOOL, VICTORIA 3966 AUSTRALIA

Land Base : AUSTRALIAN AQUITAINE PETROLEUM PTY LIMITED

Located : MIDLAND HIGHWAY, WELSHPOOL, VICTORIA 3966 AUSTRALIA

• SERVICE COMPANIES

| | | | |
|----------------------|--------------------------------|----------------------|----------------------------------|
| - Mud | : <u>GEOFLUIDS</u> | - Under water T.V. | : <u>S.S.D.C</u> |
| - Mud logging | : <u>CORELAB</u> | - Testing | : <u>OTTS</u> |
| - Production tests | : <u>-</u> | - Well head | : <u>CAMERON</u> |
| - Fishing | : <u>=</u> | - Depollution | : <u>A.A.P</u> |
| - Positioning | : <u>DECCA</u> | - Air transportation | : <u>LLOYD OFFSHORE HELIOS</u> |
| - Electrical logging | : <u>SCHLUMBERGER</u> | - Sea transportation | : <u>AUST. OFFSHORE SERVICES</u> |
| - Meteo | : <u>BUREAU OF METEOROLOGY</u> | | : _____ |
| - Diving | : <u>OCEANEERING</u> | | : _____ |
| - H.P. Pumping | : <u>HALLIBURTON</u> | | : _____ |
| - Bulking | : <u>-</u> | | : _____ |
| | : _____ | | : _____ |

Beginning of well = first moving in date (if this date is known)

Beginning of drilling = spudding date

End of drilling = date of last bit pulling out or end of electrical logging operations, or pressure surge at the end of production casing cementing operation

End of well = end of well plugging operations laying down included or end of completion

** - Depths to be calculated from the rotary table

- Drilled footage: distance RKB/ground (or mud line) not included, but side tracks resulting from fishing included

- Lost footage resulting from fishing or course modification without changing the geological objective. Should the geological objective vary, well name or number will change, and the previous well drilled footage is not considered as a lost footage

- Except change in geological objective requiring a side track, the formula is: Drilled footage - Lost footage = Total depth - Distance RKB/ground

(A) - WELL

OPERATOR :

Name : WYRALIAH 1

Country (3) A U S T R A L I A

Symbol(1)

Contractor S O U T H S E A S D R L C O

Field (2)

Rig S O U T H E R N C R O S S

Status P R Location M F Trajectory V

Max. deviation (in degrees) 2 Type of drilling unit F Result S S Well condition on rig release B D

DATES (Y/M/D) (10)

Beginning of the well : 14.04.84
 Spud date : 16.04.84
 End of drilling period : 23.04.84
 End of the well : 27.04.84

Elevation RKB/land or sea-bed (m.s.l.) 5 3 m
 Water depth, off-shore (m.s.l.) 3 2 m
 Total depth (11) from RKB 1 1 6 0 m
 Meters drilled (12) 1 1 0 7 Meters lost (13) - - - -

Drilling duration (15) D : 6 6 6
 Well duration (16) D : 1 2 3 6

Drilling efficiency (14) : m/day 166.22 m/month 5053
 Will the well be re-entered ? NO

(B) - RIG DESCRIPTION (17)

ELECTRICAL TRANSMISSION
 TWIN HULLED
 COLUMN STABILIZED SEMI-SUBMERSIBLE
 Equipment description (18) :
 Pumps : 2 OILWELL A-1700 PT TRIFLEX
 B.O.P. 18³x10000 BOP STACK - TWO HYDRIL 18³
 TWO SHAFFER 18³
 Drilling unit description (19) : SS
 MOORING: CABLES + LINK CHAINS
 8 ANCHORS

Comments on rig and equipments performance :

Rig and Equipment: Highly recommended

(C) - PHASES (20)

METERAGE DRILLED (21)

METERAGE ENLARGED (22)

METERAGE CORED (23)

CASINGS DATA (25)

| Ø | Depth | Rotary | | Downhole motor | | ENLARGED (22) | | CORED (23) | | CASINGS DATA (25) | |
|------|-------|--------|-----|----------------|---|---------------|---|------------|---|-------------------|-------------|
| | | Ø | m | Ø | m | Ø | m | Ø | m | Ø | Setg. depth |
| 26" | 215 | 26" | 162 | | | | | | | 20" | 207 |
| 17½" | 784 | 17½" | 569 | | | | | | | 13.3/8" | 780 |
| 12¼" | 1160 | 12¼" | 376 | | | | | | | | |
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Total 1 1 0 7
 Rotating hours (26) 4 3 0 0
 Av. penetr. rate (m/h) 25.74
 Number of cores cut - - - -
 (24)

The shaded spaces must be filled in according to the instruction sheet.

(D) - TIME ANALYSIS (27)

| TIME DISTRIBUTION | | HOURS | TOTALS | | |
|------------------------|---|---|---------------------------|-------------------|-------------------------|
| | | | in hours (and %) | in days (and %) | |
| MOVING | D1 - Moving, rig-up, tear down | 00 59 . 75 | 00 92 . 75 (31.76 %) | 3.87 | |
| | D2 - Waiting on weather | 00 28 . 50 | | | |
| | D3 - Other waiting | 00 04 . 50 | | | |
| DRILLING | Drilling-casing | F1 - Drilling (making new hole) | 00 11 8 . 50 (39.93 %) | 6.66 (53.88 %) | |
| | | F2 - Drilling trips | | | 00 00 . 00 |
| | | F3 - Miscellaneous drilling operations | | | 00 04 . 50 |
| | | F4 - Casing and cementing | | | 00 71 . 00 |
| | Formation evaluation | G1 - Cutting core | 00 00 . 00 | | 00 41 . 50 (13.98 %) |
| | | G2 - Coring related operations and circulations for samples | 00 00 . 00 | | |
| | | G3 - Drill stem testing and related operations | 00 00 . 00 | | |
| | | G4 - Electrical logging and related operations | 00 41 . 50 | | |
| | Interruption of operations | A1 - Fishing and repair on casing string | 00 00 . 00 | | 00 00 . 00 (----- %) |
| | | A2 - Losses and kicks, mud conditioning | 00 00 . 00 | | |
| | | A3 - Waiting on weather | 00 00 . 00 | | |
| | | A4 - Other waiting | 00 00 . 00 | | |
| COMPLETION PLUGGING | C1 - Completion, stimulation and production testing | 00 00 . 00 | 00 44 . 00 (14.83 %) | 1.83 | |
| | C2 - Abandon, pulling casing | 00 44 . 00 | | | |
| | C3 - Waiting on weather | 00 00 . 00 | | | |
| | C4 - Other waiting | 00 00 . 00 | | | |
| TOTAL TIME ON THE WELL | | | 00 29 6 . 75 | 12.36 D | |

(E) - MUD AND CEMENT (28)

| Ø Phase | Type of mud | Density | | Total volume mixed (m³) | Quantity used (T) | |
|---------|------------------|---------|------|-------------------------|-------------------|--------|
| | | mini | maxi | | barite | L.C.M. |
| 26" | SEAWATER & BENTO | 1.07 | | 130 | | |
| 17½" | CAUSTIC & BENTO | 1.08 | 1.09 | 180 | 22 | |
| 12½" | POLYMER & BENTO | 1.08 | 1.10 | 80 | 10 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| TOTAL | | | | 00 290 | 00 32 | |

(F) - STUCKING - FISHING (29)

N° : 00 00 Total time : ----- days

Comments on the drilling operations :

(Attach special reports if necessary)

Quantity of CEMENT used (T)

for casings for lost circul. for plugging

TOTAL

00 290

00 32

00 77.5

00 00

00 28.0

(G) - CASINGS USED

| Ø | Type (30) | Weight or thickness (31) | Thread or connection type (32) | Grade (33) | Sour service ? (yes-not) | COMMENTS | Length m | Weight T |
|-----|-----------|--------------------------|--------------------------------|------------|--------------------------|----------|----------|----------|
| 20" | SP | 133 | API | K 56 | NOT | | 157 | 3.1 |
| 20" | SP | 68 | B.T.C. | J 55 | NOT | | 729 | 7.4 |
| | | | | | | | | |
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(H) - DRILLING AND CORING BITS (34)

| Ø | | ROCK BITS | | DIAMOND BITS | CORE HEADS | OTHER BITS |
|---------|----------|-----------|--------|--------------|------------|------------|
| | | tooth | insert | | | |
| 26" | Number | 1 | | | | |
| | Meterage | 162 | | | | |
| 17 1/2" | Number | 1 | | | | |
| | Meterage | 569 | | | | |
| 12 1/4" | Number | 1 | | | | |
| | Meterage | 376 | | | | |
| | Number | | | | | |
| | Meterage | | | | | |
| | Number | | | | | |
| | Meterage | | | | | |
| | Number | | | | | |
| | Meterage | | | | | |
| TOTAL | Number | 3 | | | | |
| | Meterage | 107 | | | | |

(J) - WELL CONDITION on rig release (36)

Abandoned { yes no } Completed { yes no }

Depths at wich casings are cut-off and tops of cements in annulus ?

13.3/8" CUT AT 68.5 m

20" CUT AT 64.5 m

FOR CEMENT: 13.3/8 x 20": 200m

20" x OPEN HOLE: MUD LINE

Depth and size of tubing _____

Depths of perforations and packers _____

(I) - DRILL STEM TESTS during drilling period (35)

| Type | Hole condition | N° | Interval tested | | Failure cause | Fluids recovery | |
|------|----------------|----|-----------------|----|---------------|-----------------|---------|
| | | | from | to | | Nature | W. bal. |
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Depths of cement plugs and bridge plugs (felt or pressure tested ?)

- BC NO.1 : 1122 - 1020 m
- BC NO.2 : 830 - 730 m
- BC NO.3 : 152 - 80 m

Well head left on ?
NO

Transponder left on site { yes no } Type : _____

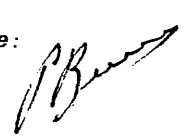
For a note and send the original to "see control" Forag. 30 " N. M. notoc and a Technical Report to be sent to usual customers.

(K) - WELL COST (37)

| ITEMS | | COSTS (39) (currency used : AUST \$ x 10 ³) | TIME (in day) | COST PER DAY |
|---|---------------------------------------|--|---------------------------|-----------------|
| ref. | | | | |
| 100 | Location and access | | | |
| 200 | Move in and out - Rig up - Tear down | 1 | 3,87 | 120.7 |
| 310 | Rig, during drilling period | | | 50.1 |
| 320 - Consumables | 321 Fuel, gas, elect., lubric., water | 22 | Total drilling cost | 6,666 |
| | 322 Drilling and coring bits | 21 | | |
| | 323 Mud products | 29 | | |
| | 324 Cements and additives | 16 | | |
| | 325 Casings and accessories | 7 | | |
| | 326 Wellhead and accessories | 6 | | |
| | 327 Other consumables | 8 | | |
| | | Total consumables 322 | | |
| 330 - Rental and services | 331 Electrical logging | 34 | Total rental and services | 10,111 |
| | 332 Cementing - pumping | 12 | | |
| | 333 Drill-stem testing | 5 | | |
| | 334 Mud logging, MWD | 10 | | |
| | 335 Mud engineering and equip. | 2 | | |
| | 336 Directional drilling | - | | |
| | 337 Other rental and services | 44 | | |
| | | Total rental and services 202 | | |
| 340 | Supervision on site | | | |
| 350 | Transportation | | | |
| 400 | Completion - Plugging (38) | | 1.83 | 103.8 |
| 500 | Insurances | | | |
| 600 | Operator overhead Running Costs | 2 | | |
| NOTE : | | Total well cost | 12.36 | 172.33 |
| THIS COST IS NOT FOR ACCOUNTANCY PURPOSE | | Budget amount | | |
| Rate of conversion 1 A\$ = 22.05 / 7.65 RF | | | | |

COMMENTS : 1. Ref 200 includes: MOB, MOVING IN, ANCHORING, PREPERATION FOR DRILLING, DESANCHORING & MOVING OUT.

2. Ref 600 includes: PREPERATION OF PROGRAMME, BASE COSTS, STAND-BY PERIOD COSTS, AND OPERATION OVERHEADS

Drilling Manager
 Name : Philippe Bureau
 Date : 22.6.1984
 Signature : 

ip. 5765 (AIP) 04.06

• AREA •

LAND

SEA

SWAMP

LAKE

ALTITUDE : SEA LEVEL

WATER DEPTH : 32 m

DISTANCE FROM BASE : 50 Km

DISTANCE FROM SHORE : 15 Km

• RELIEF

Flat

Slightly undulate

Undulate

Very undulate

• SEA CONDITIONS

Calm

Medium

Strong

Very strong

• POLLUTION RISK

Low

Medium

High

Very high

• WEATHER

Equatorial

Hot

Temperate

Cold

Arctic

• POPULATION DENSITY

Nil

Low

Medium

High

Very high

MEANS USED

• NAME OF THE RIG (LAND) : _____

• SUPPORT

• TYPE

Land

Artificial island

Jack-up

Drillship

Semi-submersible

Swamp barge

Non assisted Platform

Assisted platform

Tender

Other

• SEA SUPPORT NAME : SOUTHERN CROSS

• PROPULSION:

Towed

Self propelled

{ Power : _____
Speed : _____

• POSITIONING

Mooring

Classical

Dynamic

Head : 230°

• DRILLING EQUIPMENT •

DRAWORK MANUFACTURER OILWELL E-2000 **CONTRACTOR** : SOUTH SEAS D.C

• RANGE • Light Medium Heavy Super Heavy Extra Heavy

• TRANSMISSION • Mechanical Electric Hydraulic

• MAIN PUMPS • Number 2 OILWELL A- 1700 PT Total hydraulic power :

• RIG DESIGN • Normal design Compact Portable Helirig

Flexorig Automatic racking Winterised

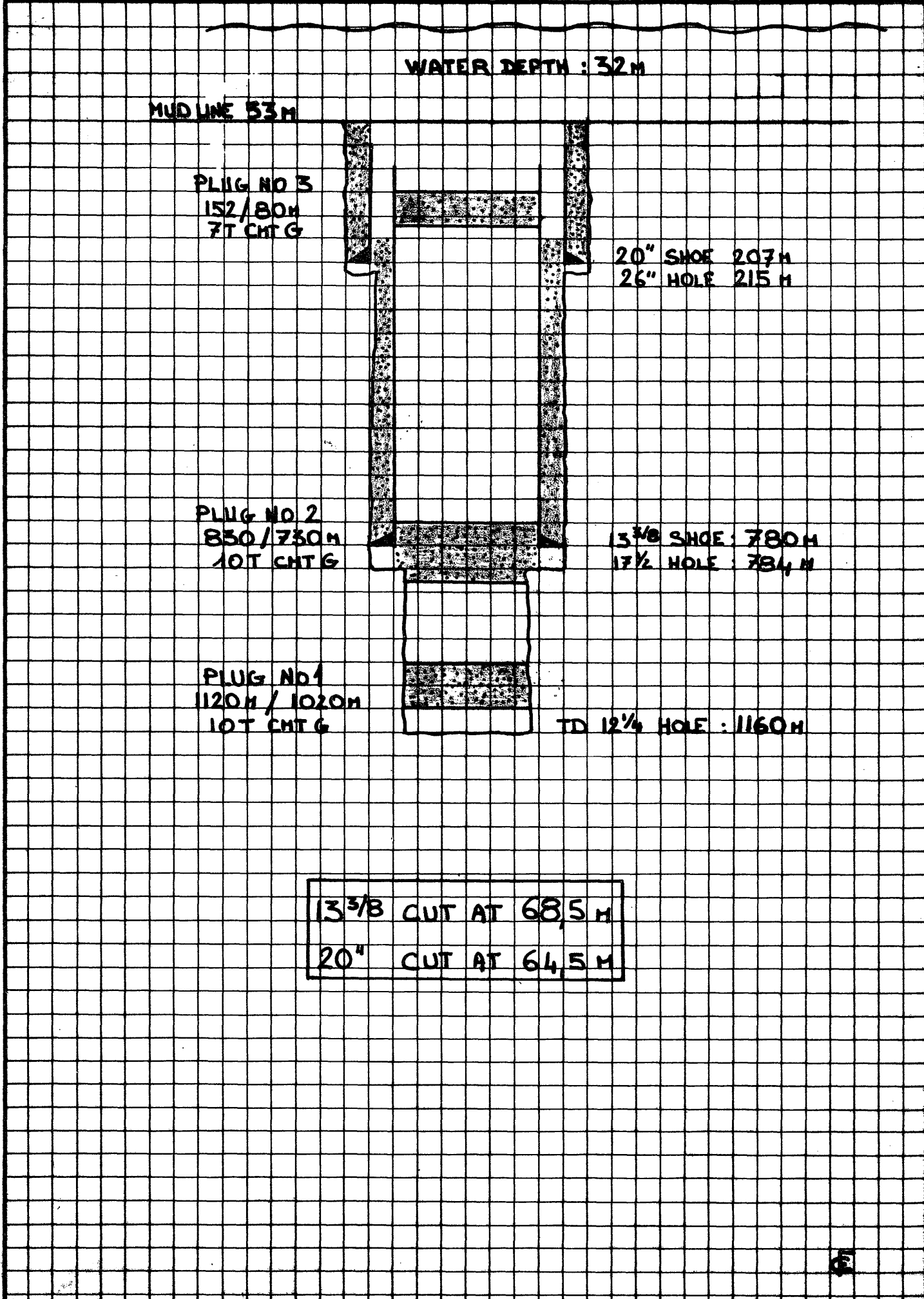
• SURFACE OR SUBSEA EQUIPMENT

| <u>B.O.P. STACK</u> | Diameter | API WP |
|---------------------|---|---------------------|
| Number 1 | <u>18³/₄" HYDRIL</u> | <u>5,000 P.S.I</u> |
| Number 2 | <u>18³/₄" HYDRIL</u> | <u>5,000 P.S.I</u> |
| Number 3 | <u>18³/₄" SHAFFER (Double Rams)</u> | <u>10,000 P.S.I</u> |
| 4 | <u>18³/₄" SHAFFER (Double Rams)</u> | <u>10,000 P.S.I</u> |

| <u>WELL HEAD</u> | Manufacturer | Type | Diameter | API WP |
|------------------|----------------|-------------------|-------------------------------------|---------------------|
| Number 1 | <u>CAMERON</u> | <u>TORQUE SET</u> | <u>18³/₄"</u> | <u>10,000 P.S.I</u> |
| Number 2 | | | | |
| Number 3 | | | | |

MUD LINE SUSPENSION: yes no Manufacturer : _____

| <u>RISER</u> | Number 1 | Number 2 |
|-------------------|---|--|
| Diameter : | <u>22" O.D</u> | _____ |
| Connector : | <u>CAMERON</u> | _____ |
| Buoyancy system : | no <input checked="" type="checkbox"/> yes <input type="checkbox"/> | no <input type="checkbox"/> yes <input type="checkbox"/> |



WATER DEPTH : 32m

MUD LINE 53m

PLUG NO 3
152/80m
7T CUT G

20" SHOE 207m
26" HOLE 215m

PLUG NO 2
830/730m
10T CUT G

13 3/8" SHOE : 780m
17 1/2" HOLE : 784m

PLUG NO 1
1120m / 1020m
10T CUT G

TD 12 1/4" HOLE : 1160m

13 3/8" CUT AT 68,5 m
20" CUT AT 64,5 m

F3d Bis 2-78

CORE DATA SUMMARY

WELL : WYRALLAH +1

| Core Number | DEPTH Ft or m. | | % Recovered | Formation | Core Number | DEPTH Ft or m. | | % Recovered | Formation |
|-------------|-------------------|----|----------------|-----------|-------------|-------------------|----|----------------|-----------|
| | from | to | | | | from | to | | |
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CLABS

| Run N° | DEPTH ft or m. | | Number of samples | Formation | Run N° | DEPTH ft or m. | | Number of samples | Formation |
|--------|-------------------|----|-------------------------|----------------------|--------|-------------------|----|-------------------------|-----------|
| | from | to | | | | from | to | | |
| 1 | | | 50 | SANDSTONE LATROBE | | | | | |
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elf aquitaine

TIME DISTRIBUTION

F6 bis / 12-80

| | | | | | |
|----------------------|----------------------|---------------|-----------------------|--------------------------|------------------------|
| OPERATOR A. A. P. | COUNTRY AUSTRALIA | WELL WAH 1 | RIG SOUTHERN CROSS | CONTRACTOR SOUTH SEAS | MONTH/YEAR APRIL 84 |
|----------------------|----------------------|---------------|-----------------------|--------------------------|------------------------|

| DAY | Number of days for each activity | D DRILLING | | | F DRILLING LOGGING | | | | G FORMATION SURVEYS | | | | A INTERRUPTION OF OPERATIONS UNDER F or G | | | | C COMPLETION AND PLUGGING | | | |
|--------------|----------------------------------|------------------|------------------|------------------|-----------------------|----------------|-----------------|------------------|------------------------|----------------|----------------|------------------|--|----------------|----------------|----------------|------------------------------|----------------|----------------|----------------|
| | | D ₁ | D ₂ | D ₃ | F ₁ | F ₂ | F ₃ | F ₄ | G ₁ | G ₂ | G ₃ | G ₄ | A ₁ | A ₂ | A ₃ | A ₄ | C ₁ | C ₂ | C ₃ | C ₄ |
| 1 | | | | | | | | | | | | | | | | | | | | |
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| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | 1D | 6 | | | | | | | | | | | | | | | | | | |
| 15 | 2D | 10 $\frac{1}{2}$ | 4 $\frac{1}{2}$ | | | | | | | | | | | | | | | | | |
| 16 | 1 | 11 | | 8 | | | | 5 | | | | | | | | | | | | |
| 17 | 2 | | | | | | | 24 | | | | | | | | | | | | |
| 18 | 3 | | | 10 $\frac{1}{2}$ | 2 | | | 11 $\frac{1}{2}$ | | | | | | | | | | | | |
| 19 | 4 | | | 4 $\frac{1}{2}$ | | | | 8 | | | | 11 $\frac{1}{2}$ | | | | | | | | |
| 20 | 5 | | | 1 $\frac{1}{2}$ | 1 | | | 22 $\frac{1}{2}$ | | | | | | | | | | | | |
| 21 | 6 | | | 19 $\frac{1}{2}$ | | | 1 $\frac{1}{2}$ | | | | | 3 | | | | | | | | |
| 22 | 7 | | | | | | | | | | | 24 | | | | | | | | |
| 23 | 1C | | | | | | | | | | | 3 | | | | | | | | |
| 24 | 2C | 1 | | | | | | | | | | | | | | | | 21 | | |
| 25 | 3D | 3 $\frac{1}{2}$ | 20 $\frac{1}{2}$ | | | | | | | | | | | | | | | 23 | | |
| 26 | 4D | 16 | 8 | | | | | | | | | | | | | | | | | |
| 27 | 5D | 2 $\frac{3}{4}$ | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | 59 $\frac{3}{4}$ | 28 $\frac{1}{2}$ | 4 $\frac{1}{2}$ | 43 | | 4 $\frac{1}{2}$ | 71 | | | | 41 $\frac{1}{2}$ | | | | | | 44 | | |

| | | | | |
|--|--|----------------------------------|--|--|
| TIME OF SIDE-TRACK DRILLING | | TIME OF LOGGING BY A FISHING JOB | | Causes of side track } Fishing job unsolved _____ <input type="checkbox"/> } Accidental on Plug _____ <input type="checkbox"/> } Correction of drill-path _____ <input type="checkbox"/> |
| N.B. : 1) Add an asterisk to each following day times • Time spent on F1, F2, F3 for technical side tracks, until the initial depth of the old hole is reached. • Time spent on G4 for logging necessitated by a fishing job. 2) Side-track drilling further to a change in the geological target is considered as a new-hole, whose the name changes (add .G to the old one). A new form is open up from the first day of the side track. | | | | |

F3e' Bis 2-78

INTERRUPTIONS OF OPERATIONS

WELL : WYRALLAH - 1

| OPERATIONS IN PROGRESS | DURATION \ REASONS ↓ ↘ | STICKING FISHING | | LOSSES, FLOWING MUD TREATMENT | | WAITING ON WEATHER | | WAITING : OTHER | |
|---|---------------------------|------------------|--------------|-------------------------------|--------------|--------------------|--------------|-----------------|--------------|
| | | Number | Duration (h) | Number | Duration (h) | Number | Duration (h) | Number | Duration (h) |
| Moving (D2-D3) | Less than 24 h | | | | | 2 | 28.5 | 1 | 4.5 |
| | From 1 to 5 days | | | | | | | | |
| | More than 5 days | | | | | | | | |
| | TOTAL → | | | | | | | | |
| Drilling, casing formation surveys (A1-A2-A3-A4) | Less than 24 h | | | | | | | | |
| | From 1 to 5 days | | | | | | | | |
| | More than 5 days | | | | | | | | |
| | TOTAL → | | | | | | | | |
| Completion (C3-C4) | Less than 24 h | | | | | | | | |
| | From 1 to 5 days | | | | | | | | |
| | More than 5 days | | | | | | | | |
| | TOTAL → | | | | | | | | |
| TOTAL → | | 0 | 0 | 0 | 0 | 2 | 28.5 | 1 | 4.5 |

TOTAL DURATION OF INTERRUPTIONS {

- During moving : 33
- During drilling - Casing or formation surveys : 0
- During completion and plugging : 0

TOTAL IN HOURS → 33
TOTAL IN DAYS → 1.375

INTERVAL : 26!! From : 53 m to : 215 m

Mud type used in this interval : SEAWATER / GEL SPUD MUD

• USEFUL DATA •

| CASINGS | BALANCE OF VOLUMES bbl or m ³ | DRILLING |
|----------------------------|---|--|
| - Diameter : <u>20"</u> | - Initial volume : <u>200 m³</u> | Drilled (m or ft) { from : <u>53 m</u> to : <u>215 m</u> duration (date) { from : <u>16.04.84</u> to : <u>16.04.84</u> |
| - Hanger : <u>50 m</u> | - Added volume : <u>60 m³</u> | Footage (m or ft) : <u>162</u> in : <u>1 DAY</u> |
| - Shoe : <u>207 m</u> | - Jetted volume : <u>-</u> | Average dl/g rate <u>20.25 m/hr</u> drilling hours : <u>8</u> |
| - Casing : <u>133 PPF</u> | - Losses in formation : <u>-</u> | Internal casing vol. : <u>-</u> losses : <u>-</u> |
| - Length : <u>207.72 m</u> | - Final volume : <u>0 m³</u> | Pumping rate : <u>1000 / 2400 L/Min</u> |

• MUD CHARACTERISTICS •

• CONSUMPTIONS •

| | mini | maxi | average | CHEMICALS | QUANTITY | | | COST | | |
|---|-------------|-------------|-------------|------------------|------------------------------|--------------------------|-------------------|---------------|----------------|-------------|
| | | | | | Total m ³ or T | Kg/ft or m drilled | Kg/m ³ | Unit Price | Total Cost | % |
| Weight in flow | <u>1.02</u> | <u>1.02</u> | <u>1.02</u> | | | | | | | |
| Weight out flow | | | | MILGEL | <u>19.794 MT</u> | | <u>173.6</u> | <u>14.76</u> | <u>6435.36</u> | <u>70.0</u> |
| Viscosity M.V. A.V. P.V. Y.P. | <u>100</u> | | | CAUSTIC SODA | <u>0.490 MT</u> | | <u>4.3</u> | <u>62.85</u> | <u>439.95</u> | <u>4.8</u> |
| | | | | BARYTES | <u>16.207 MT</u> | | <u>142.2</u> | <u>5.75</u> | <u>2052.75</u> | <u>22.5</u> |
| | | | | SODA ASH | <u>0.120 MT</u> | | <u>1.1</u> | <u>15.26</u> | <u>45.78</u> | <u>0.2</u> |
| Gels 0' 10' | | | | CALCIUM CHLORIDE | <u>0.200 MT</u> | | <u>1.8</u> | <u>11.29</u> | <u>90.32</u> | <u>2.0</u> |
| API WL HP-HT API Pressure T° | | | | UNICAL | <u>0.050 MT</u> | | <u>0.4</u> | <u>31.24</u> | <u>62.48</u> | <u>0.5</u> |
| Ph | <u>9.5</u> | | | | | | | | | |
| Pf | | | | | | | | | | |
| Pm | | | | | | | | | | |
| Ca ⁺⁺ (g/l) | | | | | | | | | | |
| SO4Ca | | | | | | | | | | |
| Clna | | | | | | | | | | |
| CaCl2 | | | | | | | | | | |
| % water | | | | | | | | | | |
| % oil | | | | | | | | | | |
| water ratio | <u>97</u> | | | | | | | | | |
| % solids | <u>3</u> | | | | | | | | | |
| Solids density | | | | | | | | | | |
| % Sand | <u>0</u> | | | | | | | | | |
| T °C | | | | | | | | | | |

| Depth (ft) | Lithology | TOTAL | Interval : A\$ 9,126.64 |
|------------|----------------|------------------|---|
| | RETURNS TO SEA | <u>36.861 MT</u> | |
| | FLOOR | | |
| | | | Total cost of Drilled meter foot : <u>A\$ 56.33</u> |
| | | | Currency : _____ |
| | | | Conversion rate used : _____ |

F3f

Bis 2-78

MUD SUMMARY BY INTERVAL

WELL WYRALLAH 1

INTERVAL 17 1/2" From : 215 m to : 784 mMud type used in this interval : SEAWATER / PREHYDRATED GEL• **USEFUL DATA** •

| CASINGS | | BALANCE OF VOLUMES bbl on m ³ | | DRILLING | |
|--------------|----------------|---|--------------------------|-------------------------|--|
| - Diameter : | <u>13.3/8"</u> | - Initial volume : | <u>55 m³</u> | Drilled (m or ft) { | from: <u>215</u> duration { |
| - Hanger : | <u>52 m</u> | - Added volume : | <u>180 m³</u> | to: <u>784</u> (date) { | from: <u>18.04.84</u> |
| - Shoe : | <u>780 m</u> | - Jetted volume : | <u>-</u> | Footage (m or ft) : | <u>569</u> in : <u>1 DAY</u> |
| - Casing : | <u>68 PPF</u> | - Losses in formation : | <u>10 m³</u> | Average dllg rate : | <u>37.93 m/hr</u> drilling hours : <u>15</u> |
| - Length : | <u>725 m</u> | - Final volume : | <u>225 m³</u> | Internal casing vol. : | <u>-</u> Losses : <u>-</u> |
| | | | | Pumping rate : | <u>130 SPM - 2500 L/Min</u> |

• **MUD CHARACTERISTICS** •• **CONSUMPTIONS** •

| | mini | maxi | average | CHEMICALS | QUANTITY | | | COST | | |
|-----------------------|-------------|-------------|-------------|-----------------|------------------------------|--------------------------|-------------------|---------------|----------------|-------------|
| | | | | | Total m ³ or T | Kg/ft or m drilled | Kg/m ³ | Unit Price | Total Cost | % |
| Weight in flow | <u>1.08</u> | <u>1.08</u> | <u>1.08</u> | | | | | | | |
| Weight out flow | <u>1.09</u> | <u>1.09</u> | <u>1.09</u> | | | | | | | |
| Viscosity M.V. | <u>37</u> | <u>38</u> | <u>37.5</u> | MILGEL | <u>15.752 MT</u> | | <u>66.3</u> | <u>14.76</u> | <u>5062.68</u> | <u>55.0</u> |
| A.V. | | | | CAUSTIC SODA | <u>1.890 MT</u> | | <u>8.1</u> | <u>62.85</u> | <u>1696.95</u> | <u>18.5</u> |
| P.V. | <u>5</u> | <u>5</u> | <u>5</u> | BARYTES | <u>9.080 MT</u> | | <u>38.6</u> | <u>5.75</u> | <u>1150.00</u> | <u>12.5</u> |
| Y.P. | <u>20</u> | <u>21</u> | <u>20.5</u> | SODA ASH | <u>0.240 MT</u> | | <u>1.0</u> | <u>15.26</u> | <u>91.56</u> | <u>1.2</u> |
| Gels 0' | <u>10</u> | <u>10</u> | <u>10</u> | BI CARB SODA | <u>0.520 MT</u> | | <u>2.2</u> | <u>18.37</u> | <u>238.81</u> | <u>2.6</u> |
| 10' | <u>12</u> | <u>13</u> | <u>12.5</u> | MUD DET. | <u>0.415 MT</u> | | <u>1.8</u> | <u>469.21</u> | <u>938.42</u> | <u>10.2</u> |
| API WL | | | | | | | | | | |
| HP-HT | | | | | | | | | | |
| Pressure | | | | | | | | | | |
| T° | | | | | | | | | | |
| Ph | <u>9</u> | <u>9.8</u> | <u>9.4</u> | | | | | | | |
| Pf | <u>0.2</u> | <u>0.2</u> | <u>0.2</u> | | | | | | | |
| Pm | <u>0.4</u> | <u>0.6</u> | <u>0.5</u> | | | | | | | |
| Ca ⁺ (g/l) | <u>120</u> | <u>120</u> | <u>120</u> | | | | | | | |
| SO4Ca | | | | | | | | | | |
| Clna | <u>20</u> | <u>20</u> | <u>20</u> | | | | | | | |
| CaCl2 | | | | | | | | | | |
| % water | <u>96</u> | <u>97</u> | <u>96.5</u> | | | | | | | |
| % oil | <u>0</u> | <u>0</u> | <u>0</u> | | | | | | | |
| oil/water ratio | | | | | | | | | | |
| % solids | <u>3</u> | <u>4</u> | <u>3.5</u> | | | | | | | |
| Solids density | | | | | | | | | | |
| % Sand | <u>Tr</u> | <u>Tr</u> | <u>Tr</u> | | | | | | | |
| T °C | | | | | | | | | | |

| Depth (m) | Lithology | TOTAL | Interval : A\$ 9,178.42 |
|--------------|---|------------------|--|
| <u>215 m</u> | <u>LIMESTONE - MARL QUARTZ GRAINS</u> | <u>27.897 MT</u> | |
| <u>666 m</u> | <u>CLAY</u> | | |
| <u>784</u> | <u>LIMESTONE INTER- BEDDED W/CLAYSTONE & MARL</u> | | |
| | | | Total cost of { Drilled meter foot A\$ 16.30 |
| | | | Currency : _____ |
| | | | Conversion rate used : _____ |

INTERVAL 12 1/4" From : 784 m to : 1160 m

Mud type used in this interval : SEAWATER / PREHYDRATED GEL / POLYMER / LIGNOSULPHONATE

• USEFUL DATA •

| CASINGS | BALANCE OF VOLUMES bbl on m ³ | DRILLING |
|-----------------------------|---|---|
| - Diameter : <u>13.3/8"</u> | - Initial volume : <u>225 m³</u> | Drilled { from: <u>784</u> duration { from: <u>20.04.84</u> (m or ft) { to: <u>1160</u> (date) { to: <u>21.04.84</u> |
| - Hanger : _____ | - Added volume : <u>120 m³</u> | Footage (m or ft) : <u>376</u> in : <u>1 DAY</u> |
| - Shoe : <u>780 m</u> | - Jetted volume : <u>206 m³</u> | Average dlrg rate <u>18.8m/hr</u> drilling hours : <u>20</u> |
| - Casing : _____ | - Losses in formation: _____ | Internal casing vol.: _____ Losses : _____ |
| - Length : _____ | - Final volume : <u>139 m³</u> | Pumping rate : <u>100 SPM - 1900 L/Min</u> |

• MUD CHARACTERISTICS •

• CONSUMPTIONS •

| | MUD CHARACTERISTICS | | | CHEMICALS | QUANTITY | | | COST | | |
|------------------------|---------------------|--------------|--------------|-----------|------------------------------|--------------------------|-------------------|---------------|-----------------|-------------|
| | mini | maxi | average | | Total m ³ or T | Kg/ft or m drilled | Kg/m ³ | Unit Price | Total Cost | % |
| Weight in flow | <u>1.08</u> | <u>1.08</u> | <u>1.08</u> | | | | | | | |
| Weight out flow | <u>1.08</u> | <u>1.08</u> | <u>1.08</u> | MILGEL | <u>7.536 MT</u> | | <u>45.1</u> | <u>14.76</u> | <u>2450.16</u> | <u>22.2</u> |
| Viscosity | M.V. <u>42</u> | <u>45</u> | <u>43.5</u> | CAUSTIC | | | | | | |
| | A.V. <u>14.5</u> | <u>14.5</u> | <u>14.5</u> | SODASH | <u>0.980 MT</u> | | <u>5.9</u> | <u>62.85</u> | <u>879.90</u> | <u>8.0</u> |
| | P.V. <u>8</u> | <u>8</u> | <u>8</u> | | | | | | | |
| | Y.P. <u>13</u> | <u>13</u> | <u>13</u> | BARYTES | <u>6.764 MT</u> | | <u>40.5</u> | <u>5.75</u> | <u>865.95</u> | <u>8.0</u> |
| Gels | 0' <u>10</u> | <u>10</u> | <u>10</u> | | | | | | | |
| | 10' <u>15</u> | <u>15</u> | <u>15</u> | SODA ASH | <u>0.480 MT</u> | | <u>2.9</u> | <u>15.26</u> | <u>183.12</u> | <u>1.8</u> |
| API WL | API <u>9.2</u> | <u>9.2</u> | <u>9.2</u> | BE CARB | | | | | | |
| | HP-HT <u>18</u> | <u>18</u> | <u>18</u> | SODA | <u>0.240 MT</u> | | <u>1.4</u> | <u>18.37</u> | <u>110.22</u> | <u>1.0</u> |
| API Pressure | <u>500</u> | <u>500</u> | <u>500</u> | | | | | | | |
| | T° <u>200</u> | <u>200</u> | <u>200</u> | PERMALOSE | <u>0.450 MT</u> | | <u>2.7</u> | <u>54.38</u> | <u>978.84</u> | <u>9.0</u> |
| Ph | <u>10</u> | <u>10</u> | <u>10</u> | | | | | | | |
| Pf | <u>15</u> | <u>15</u> | <u>15</u> | STARLOSE | <u>0.9530 MT</u> | | <u>5.7</u> | <u>50.00</u> | <u>22000.00</u> | <u>19.0</u> |
| Pm | <u>0.3</u> | <u>0.3</u> | <u>0.3</u> | | | | | | | |
| Ca ⁺⁺ (g/l) | <u>120</u> | <u>120</u> | <u>120</u> | CEL POL | <u>0.375 MT</u> | | <u>2.2</u> | <u>154.92</u> | <u>2323.80</u> | <u>21.0</u> |
| SO4Ca | | | | | | | | | | |
| Cl na | <u>17000</u> | <u>17000</u> | <u>17000</u> | XP-20 | <u>0.750 MT</u> | | <u>4.5</u> | <u>31.24</u> | <u>1937.20</u> | <u>9.0</u> |
| CaCl2 | | | | | | | | | | |
| % water | <u>96</u> | <u>96</u> | <u>96</u> | AL. STER | <u>0.0250 MT</u> | | <u>0.2</u> | <u>30.30</u> | <u>30.30</u> | <u>0.2</u> |
| % oil | <u>0</u> | <u>0</u> | <u>0</u> | CALCIUM | | | | | | |
| oil/water ratio | | | | CHLORIDE | <u>0.175 MT</u> | | <u>1.1</u> | <u>11.29</u> | <u>79.03</u> | <u>0.8</u> |
| % solids | <u>4</u> | <u>4</u> | <u>4</u> | | | | | | | |
| Solids density | | | | | | | | | | |
| % Sand | <u>Tr</u> | <u>Tr</u> | <u>Tr</u> | | | | | | | |
| T °C | | | | | | | | | | |

| Depth (ft) | Lithology |
|-------------|--|
| <u>784</u> | <u>CLAYSTONE</u> |
| <u>1160</u> | <u>SANDSTONE W/ INTERBEDS OF COAL & SHALE IN LATROBE GRP. SANDSTONE & CLAY IN STRZELECKI</u> |

| | | | | | | | | |
|-----------------------------|------------------|---------------------------------|--|---------------------------------------|--|--|-----------------|------------|
| TOTAL | <u>18.722 MT</u> | | | | | | <u>10929.32</u> | <u>100</u> |
| Total cost of | | Interval : <u>A\$ 10,929.32</u> | | Drilled meter foot : <u>A\$ 28.76</u> | | | | |
| Currency | | : | | | | | | |
| Conversion rate used | | : | | | | | | |

Imp. 1000 SPM - RGR 050 004-01

F3 h Bis 2-78**COMPLETION STATUS**

WELL: WYRALLAH #1

1) COMPLETION (If carried out by the drilling rig)

yes no

2) - CASINGS, TUBINGS AND ANNULUS STATUS

ALL DEPTHS RKB "

| CASING AND TUBING DIAMETER | SHOE DEPTH | HANGER DEPTH | CASING CUT DEPTH (event) | CEMENT TOPS | | ANNULUS FLUIDS | |
|----------------------------|------------|--------------|--------------------------|-------------|----|----------------|----|
| | | | | OD | ID | NATURE | SG |
| 20" | 207 m | 50 m | 64.5 m | SEABED | | CMT | |
| 13.3/8" | 780 m | 52 m | 68,5 m | SEABED | | CMT | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Depths of perforations :

Tubing anchoring device and pocker depth(s) :

3) - CEMENT PLUGS AND BRIDGE PLUGS (CP and BP)

| CEMENT PLUG (CP) OR BRIDGE PLUG (BP) | CP | CP | CP | | | | | | |
|--------------------------------------|---|---|---|--|--|--|--|--|--|
| FROM (m or ft) | 1120 | 830 | 152 | | | | | | |
| TO (m or ft) | 1020 | 730 | 80 | | | | | | |
| TESTED | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no | <input type="checkbox"/> yes <input type="checkbox"/> no |
| BY { PRESSURE OR WEIGHT | | 1000psi | | | | | | | |
| | | OK | | | | | | | |

4) - WELL HEAD

Description of abandoned equipment : ALL EQUIPMENT REMOVED FROM SEABED.

RECOVER 13.3/8" CSG + 18 3/4 x 20" PILE JT + TGB + PGB

DIVERS INSPECT W/HEAD AREA: ALL CLEAR OF DEBRIS

RELOCALIZATION DEVICE

 { yes
 no

TYPE : _____

ROCK BITS AND CORE BITS

| BIT DIAMETER | CONE BITS | | | | DIAMOND BITS | | | BITS | | Total by interval |
|----------------|--------------------|---------------------|------------------|-------------|---------------|-----------|------------------|-----------|--------------|-------------------|
| | Tooth tricone bits | Insert tricone bits | Removable center | Bicone bits | Drilling bits | Core bits | Removable center | Drag bits | Special bits | |
| 26" | 1 | | | | | | | | | 1 |
| 17½" | 1 | | | | | | | | | 1 |
| 12½" | 1 | | | | | | | | | 1 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TOTAL → | | | | | | | | | | 3 |

CASINGS

| Diameter | Weight (lbs/ Ft) | Thread | Grade | Length (Ft or m) | Observations |
|----------|------------------|---------------------------|-------|------------------|--------------|
| 20" | 133 | "CC" CONNECTOR CAMERON | X58 | 207.72 m | WAH 1 |
| 13.3/8" | 68 | BUTTRESS | J55 | 780.0 m | WAH 1 |
| | | | | | |
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• CEMENTS •

| Class | QUANTITY (T) | | | Class | QUANTITY (T) | | |
|-------|----------------|--------------|-----------------|-------|--------------|--------------|-----------------|
| | Casing | Well abandon | Plugging losses | | Casing | Well abandon | Plugging losses |
| "G" | 20" - 44.5 T | | | | | | |
| "G" | 13.3/8"-33.0 T | | | | | | |
| "G" | | PLUG 28.0 | T | | | | |

CHEMICALS

| CHEMICAL NAME | QUANTITIES ADDED m ³ or T | CHEMICAL NAME | QUANTITIES ADDED m ³ or T |
|---------------|---|---------------|---|
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WATER - DIESEL/OIL (not added in mud)

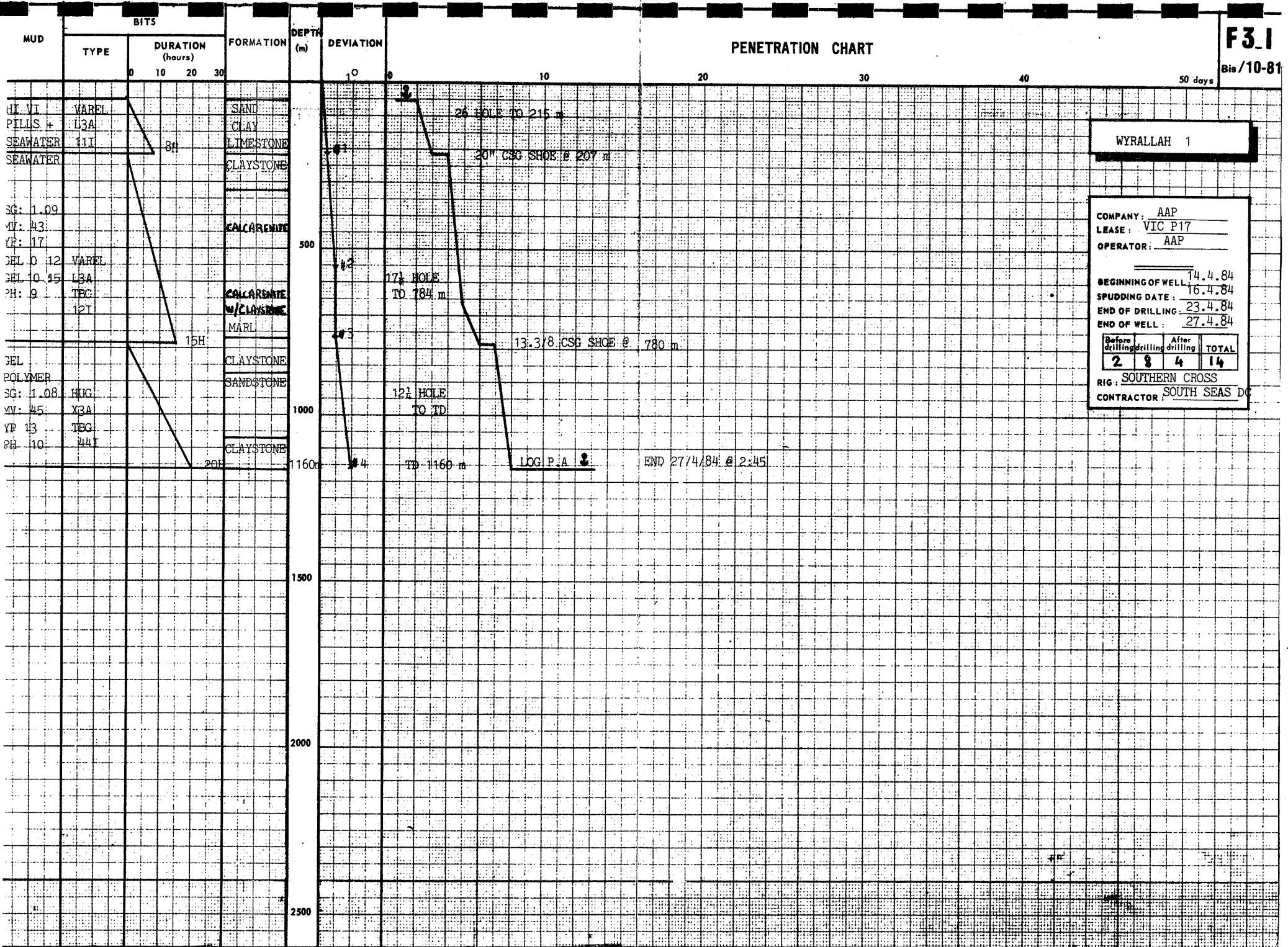
| FRESH WATER (m ³) | | | |
|-------------------------------|--|--|--|
| DIESEL-OIL (m ³) | | | |

WELL HEADS, HANGERS (Ø - API working pressure - Type)

| | |
|--------|---|
| C.I.W. | 18 $\frac{3}{4}$ " x 20" PILE JOINT (10 000 P.S.I) |
| C.I.W. | DRILLING TEMPLATE (MODIFIED) AND PERMANENT GUIDE BASE |
| C.I.W. | 18 $\frac{3}{4}$ " x 13.3/8" HANGER + LOW TORQUE SEAL ASSEMBLY (10 000 P.S.I) |
| | |
| | |
| | |
| | |

F3.1

8is/10-81



WYRALLAH 1

| | | |
|----------------------------|----------------|-------|
| COMPANY: AAP | | |
| LEASE: VIC P17 | | |
| OPERATOR: AAP | | |
| BEGINNING OF WELL: 14.4.84 | | |
| SPUDDING DATE: 16.4.84 | | |
| END OF DRILLING: 23.4.84 | | |
| END OF WELL: 27.4.84 | | |
| Before drilling | After drilling | TOTAL |
| 2 | 8 | 14 |
| RIG: SOUTHERN CROSS | | |
| CONTRACTOR: SOUTH SEAS DC | | |

CASING AND CEMENTING REPORT

F5a BIs

| WELL (Country) | RIG (Contractor) | R K B Ground Height M.L. <input checked="" type="checkbox"/> | Casing <input checked="" type="checkbox"/> Liner <input type="checkbox"/> | CASING SHOE | Hanger depth (for liners) or changing ϕ casing depth : | OPERATION DATE |
|---------------------------|--|---|--|--|--|-------------------|
| WYRALLAH 1 (AUSTRALIA) | SOUTHERN CROSS SOUTH SEAS DRILLING CO | 53 m | 20" | Measured depth : 207 m Vertical depth : 207 m | | 17/04/84 |

1 - WELL CONDITION

Open hole diameter : 26" Depth { Vertical : _____ Measured : 215 Deviation { Mini : 0.15 to 215 m
 Important casing (location - average diameter.): NO CALIPER { Maxi : _____ to _____ m

Losses during drilling (levels, extent) NONE

Reamer runs (number) 1 Reamer at 18 m from the bit
 Previous casing : Diameter 20" Shoe at 207 m

BOP's on well when running in (Type - equipment, test pressure)
 CASING SURFACE RAN WITH PGB + 18³ 3 STAGES HOUSING

| MUD CHARACTERISTICS BEFORE INJECTING SLURRY | S.G. | W.L. | P.V. | Y.V. | VISCOSIMETER READINGS Vs. R.P.M. | | | | |
|---|------|------|------|------|----------------------------------|-----|------------------|-----|--|
| | | | | | 600 | 300 | VM | PH | |
| | 1.02 | | | | | | 100 ⁺ | 9.5 | |
| Observations _____ | | | | | | | | | |

2 - GENERAL COMPOSITION OF CASING STRING

| ELEMENT | MFG. type | ϕ | Weight (lb/ft) or thickness | Thread or joint type | Grade | Special corrosion ? | Inside volume l/m | Length (m) | Number of joints |
|---|-----------|--------|-----------------------------|----------------------|-------|---------------------|-------------------|------------|------------------|
| SHOE Joint | | 20" | 133 +/-ft | "CC" CAM | X56 | | 177.76 | 13.15 | 1 |
| COLLAR | | | | | | | | | NO |
| JOINTS | | 20" | " " | " " | " " | | " | 130.97 | 11 |
| PILE JOINT | | 20" | " " | " " | " " | | " | 13.02 | 1 |
| Tripping joint : LANDING STRING | | | | | | | | 49.98 | 1 |
| Drift diameter in the thickest joint 470.9 mm | | | | | | | | TOTAL > | 207.12 m |
| Maximum permissible tension _____ | | | | | | | | | |
| Theoretical weight of the casing string : 31 T In air _____ in mud : 27 T | | | | | | | | | |

3 - EQUIPMENT OF CASING STRING

| CENTRALIZERS | SCRATCHERS | OTHER EQUIPMENT (Description - Location) |
|-------------------|-------------------|---|
| MGF : _____ | MGF : _____ | |
| TYPE : _____ | TYPE : _____ | |
| NUMBER : _____ | NUMBER : _____ | |
| DEPTH/RKB : _____ | DEPTH/RKB : _____ | |
| | | |
| | | |
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mp. 4825 C. SNEA (P) - RGM 999 004 013 - ES-bis/2-78/11-89

4 - RUNNING CASING

Making-up of joint : CAMERON CC CONNECTOR
 Grease type used for threads : OIL
 Average torque to make-up the joints : --
 Filling frequency : EACH 3 JOINTS
 Intermediate circulation (duration - depth) : NO
 Total running time (with circulations) : 5H 30 h average rate : 2.4 joints/h
 Troubles during running : NONE
 Bottom hole circulation : Duration : 30 min Rate : 1000 L/Min Pressure : 250 PSI
 Reciprocating : Duration : - Rate : - Amplitude : -
 M.D. indications after stop of bottom hole circulation : 140 000 +
 Observations :

5 - SINGLE STAGE OR FIRST STAGE CEMENTING

Service by : HALLIBURTON
 Mixing pump : HT 400
 Slurry injection pump : HT 400
 Displacement pump(s) : HT 400
 Beginning of slurry making at : 7H 15 h
 End of slurry making at : 8H 18 h
 End of displacement at : 8H 48 h
 Pressure released in casing at : 8H 50 h

| Nature or class of cements | Sacks or bulk | Cement weight increase % | Water and additives used (nature : quantities) | TONNAGES USED |
|----------------------------|---------------|--------------------------|--|---------------|
| 1 G | BULK | | GEL CEMENT WITH 2.8% BENTO PREHYDR. | 36 T |
| 2 THIX-SET | BULK | | 0.5% COMPONENT A - 0.25% COMPONENT B | 8.5 T |
| 3 | | | 2% CaCl ₂ | T |

| CHARACTERISTICS OF | S.G. | P.V. | Y.V. | VISCOSIMETER READINGS VS R.P.M. | | | |
|--------------------|------|------|------|---------------------------------|-----|--|--|
| | | | | 600 | 300 | | |
| SLURRIES | | | | | | | |
| 1 | 1.46 | | | | | | |
| 2 | 1.68 | | | | | | |
| 3 | | | | | | | |
| SPACER PLUGS | | | | | | | |
| 1 | | | | | | | |
| 2 | | | | | | | |

Slurry injection rate : 6 BBL/MIN Displacement rate : 6 BBL/MIN
 Displacement fluid nature : MUD Pumped volume : 145 BBLs
 Pressure at the beginning of displacement : 0 at the end : 125 + at the surge : 0
 Estimated losses : NONE
 Casing string pressuring up at : 500 + Result : OK
 Residual pressure (eventual) after bleeding off : NONE

6 - SETTING ON SPOOL

M.D. indication at the end of displacement : 120 000 +
 M.D. indication after cement betting : -- setting tension on spool : T
 Casing string set on spool : -- h. after the end of displacement
 Spool : MFG : Nominal dimensions : API WP.
 Suspension and seal type : 18 3/4 x 10 000 CAMERON 3 STAGE HOUSING
 Additional seal (type - dimensions) :
 Distance between the upper part of the spool and R.K.B. :
 Cut casing : cm above the spool

7 - CONTROL

Temperature well logging after : h. setting
 Cementing log after : h. setting Top cement annulus : m
 Result of these logs (or enclose a copy) :
 Test casing string + B.O.P.(blind and pipe rams) Test pressure : 500 + (WITH BSR) : 500
 Packer depth :
 Test result : OK

CASING AND CEMENTING REPORT

F5a Bis

| WELL (Country) | RIG (Contractor) | R K Height B | Ground M.L. <input checked="" type="checkbox"/> | Casing <input checked="" type="checkbox"/> Liner <input type="checkbox"/> | CASING SHOE | Hanger depth (for liners) or changing ϕ casing depth : | OPERATION DATE |
|---------------------------|---|--------------------|--|--|--|--|-------------------|
| WYRALLAH 1 (AUSTRALIA) | SOUTHERN CROSS (SOUTH SEAS) DRILLING CO. | 53 m | | 13.3/8" | Measured depth : 780 m Vertical depth : 780 m | | 20/04/84 |

Open hole diameter : 17 1/2" Depth { Vertical : 784
Important casing (location - average diameter..) : { Measured : 784 Deviation { Mini : 0 to 30 to 778 m
Maxi : 0 to 0 m

Losses during drilling (levels, extent) NO

Reamer runs (number) 1 WIPER TRIP Reamer at 9 m from the bit
Previous casing : Diameter 13.3/8" Shoe at 780 m

BOP's on well when running in (Type - equipment, test pressure) 2 x 18 3/4 LWS 5" (5000 +)
2 x 18 3/4 HYDRIL GL. (TESTED AT 2500 +) BSR 500 +

1 - WELL CONDITION

| MUD CHARACTERISTICS BEFORE INJECTING SLURRY | S.G. | W.L. | P.V. | Y.V. | VISCOSIMETER READINGS V. R.P.M. | | | | | |
|---|------|------|------|------|---------------------------------|-----|--------|-------|--|--|
| | | | | | 600 | 300 | GEL 10 | GEL 0 | | |
| | 1.09 | N/C | 6 | 22 | | | 18 | 15 | | |

Observations WL NON CONTROLLED
MUD TYPE CAUSTIC / BENTO

2 - GENERAL COMPOSITION OF CASING STRING

| ELEMENT | MFG. type | ϕ | Weight (lb/ft) or thickness | Thread or joint type | Grade | Special corrosion ? | Inside volume l/m | Length (m) | Number of joints |
|--|-----------|--------|-----------------------------|----------------------|--------------------|---------------------|-------------------|------------------------|------------------|
| SHOE | HALLI | 13.3/8 | 68 +/-FT | BUTT | N80 | | 78.08 | 0.50 | X |
| COLLAR | HALLI | 13.3/8 | 68 +/-FT | " | " | | " | 0.50 | X |
| 61 JOINTS | | 13.3/8 | 68 +/-FT | " | J55 | | " | 725.00 | 61 |
| 1 PUP + CASING HANGER | | " | " " | " | J55 | | " | 2.71 | 1 |
| Tripping joint : <u>LANDING STRING</u> | | | | | | | | 51.29 | X |
| Drift diameter in the thickest joint <u>311.4 mm</u> | | | | | | | | | |
| Maximum permissible tension <u>45 x 10⁵ DAN</u> | | | | | | | | | |
| Theoretical weight of the casing string : <u>74 T</u> | | | | | In air <u>74 T</u> | | | In mud : <u>63.7 T</u> | |
| | | | | | | | | TOTAL > | 780.00 m. |

3 - EQUIPMENT OF CASING STRING

| CENTRALIZERS | SCRATCHERS | OTHER EQUIPMENT (Description - Location) |
|-------------------------------|-------------------|---|
| MGF : _____ | MGF : _____ | |
| TYPE : <u>WEATHERFORD SG5</u> | TYPE : _____ | <u>STOP RING 3</u> |
| NUMBER : <u>6</u> | NUMBER : _____ | |
| DEPTH/RKB : <u>774 m</u> | DEPTH/RKB : _____ | |
| <u>765 m</u> | | |
| <u>750 m</u> | | |
| <u>740 m</u> | | |
| <u>726 m</u> | | |
| <u>195 m</u> | | |
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| | | |

4 - RUNNING CASING

Making-up of joint : _____
 Grease type used for threads : WEATHERFORD LUBE SEAL
 Average torque to make-up the joints 12,000 +/- FT
 Filling frequency EACH 5 JOINTS
 Intermediate circulation (duration - depth) NO
 Total running time (with circulations) 5 h 00 average rate 12 joints/h
 Troubles during running NONE
 Bottom hole circulation : Duration 1 H 00 Rate 1300 L/MIN Pressure 450 PST
 Reciprocating : Duration - Rate - Amplitude -
 M.D. indications after stop of bottom hole circulation : 270,000 +/-
 Observations : (85,000 +/- FOR THE TRAVELLING BLOCK)

5 - SINGLE STAGE OR FIRST STAGE CEMENTING

Service by HALLIBURTON
 Mixing pump HT 400
 Slurry injection pump HT 400
 Displacement pump(s) OILWELL 1700
 Beginning of slurry making at 9 H 25 h.
 End of slurry making at 10 H 08 h.
 End of displacement at 11 H 30 h.
 Pressure released in casing at 11 H 40 h.

| Nature or class of cements | Sacks or bulk | Cement weight increase % | Water and additives used (nature : quantities) | | | TONNAGES USED |
|----------------------------|---------------|--------------------------|--|-------------|----------------|---------------|
| 1 G | BULK | 0 | 3.8% BENTO | PREHYDRATED | 120 BBLs WATER | 15 T |
| 2 G | BULK | 0 | | | 56 BBLs WATER | 18 T |
| 3 | | | | | | T |

| CHARACTERISTICS OF SLURRIES | S.G. | P.V. | Y.V. | VISCOSIMETER READINGS VS R.P.M. | | | | | |
|-----------------------------|------|------|------|---------------------------------|-----|--|--|--|--|
| | | | | 600 | 300 | | | | |
| 1 | 1.46 | | | | | | | | |
| 2 | 1.85 | | | | | | | | |
| 3 | | | | | | | | | |
| SPACER PLUGS | 1 NO | | | | | | | | |
| | 2 NO | | | | | | | | |

Slurry injection rate 1000 L/MIN Displacement rate 1500 L/min DEC 1000 L/Min
 Displacement fluid nature MUD Pumped volume 55 m³
 Pressure at the beginning of displacement 350 at the end 800 at the surge 1500
 Estimated losses NONE
 Casing string pressuring up at 1500 +/- Result OK
 Residual pressure (eventual) after bleeding off 0

6 - SETTING ON SPOOL

M.D. indication at the end of displacement HANGER SET INTO 18 3/4 HOUSING
 M.D. indication after cement bedding _____ setting tension on spool > _____ T.
 Casing string set on spool _____ h. after the end of displacement
 Spool : MFG CAMERON Nominal dimensions 18 3/4 API WP 10 000
 Suspension and seal type CAMERON CASING HANGER SEAL ASSY
 Additional seal (type - dimensions) 13 3/8" / 10,000 +/-
 Distance between the upper part of the spool and R.K.B. 50 m
 Cut casing _____ cm above the spool

7 - CONTROL

Temperature well logging after _____ h. setting
 Cementing log after _____ h. setting Top cement annulus > MUD LINE m
 Result of these logs (or enclose a copy) _____
 Test casing string + B.O.P. (blind and pipe rams) Test pressure > 1500 +/- psi
 Packer depth : _____
 Test result : _____

DETAILED COMPOSITION OF THE CASING STRING

F5c Bis

| Well site | | WAH 1 | | Casing diameter | 13.3/8" | | RKB height/ground M. L. | 53 m | | Shoe meas. depth | 780 m | |
|--------------|----------|---------|--|-----------------|------------------|--------------|-------------------------|---------|--|------------------|------------------|--|
| Joint Number | Equip.† | | Weight per foot grade and thread of joints Other equipments | Unit Length | Cumulated Length | Joint Number | Equip.† | | Weight per foot grade and thread of joints Other equipments | Unit Length | Cumulated Length | |
| | central. | scratch | | | | | central. | scratch | | | | |
| | | | | | | 38 | | | 68 +/-FT | 11.32 | 504.94 | |
| | | | | 51.29 | | 39 | | | BUTTRESS | 12.07 | 517.01 | |
| | | | | | | 40 | | | J55 | 12.06 | 529.07 | |
| | | | | 2.71 | 54.00 | 41 | | | | 12.05 | 541.12 | |
| | | | | | | 42 | | | | 12.06 | 553.18 | |
| 1 | | | 68 +/-FT | 11.93 | 65.93 | 43 | | | | 11.63 | 564.81 | |
| 2 | | | BUTTRESS | 12.01 | 77.94 | 44 | | | | 11.95 | 576.76 | |
| 3 | | | J55 | 12.06 | 90.00 | 45 | | | | 12.05 | 588.81 | |
| 4 | | | | 12.07 | 102.07 | 46 | | | | 12.00 | 600.81 | |
| 5 | | | | 12.00 | 114.07 | 47 | | | | 12.04 | 612.85 | |
| 6 | | | | 11.97 | 126.04 | 48 | | | | 11.73 | 624.58 | |
| 7 | | | | 11.90 | 137.94 | 49 | | | | 11.69 | 636.27 | |
| 8 | | | | 12.07 | 150.01 | 50 | | | | 11.86 | 648.13 | |
| 9 | | | | 11.83 | 161.84 | 51 | | | | 11.98 | 660.11 | |
| 10 | | | | 11.87 | 173.71 | 52 | | | | 12.05 | 672.16 | |
| 11 | | | | 12.05 | 185.76 | 53 | | | | 11.67 | 683.83 | |
| 12 | | C | | 11.78 | 197.54 | 54 | | | | 11.86 | 695.69 | |
| 13 | | | | 12.04 | 209.58 | 55 | | | | 11.84 | 707.53 | |
| 14 | | | | 12.04 | 221.62 | 56 | | | | 12.00 | 719.53 | |
| 15 | | | | 12.06 | 233.68 | 57 | | C | | 11.97 | 731.50 | |
| 16 | | | | 11.89 | 245.57 | 58 | | C | | 11.91 | 743.41 | |
| 17 | | | | 11.79 | 257.36 | 59 | | C | | 11.90 | 755.31 | |
| 18 | | | | 11.82 | 269.18 | | | | N80 | 0.50 | 755.81 | |
| 19 | | | | 11.86 | 281.04 | 60 | | C | J55 | 12.07 | 767.88 | |
| 20 | | | | 12.07 | 293.11 | 61 | | C | | 11.62 | 779.50 | |
| 21 | | | | 11.57 | 304.68 | | | | N80 | 0.50 | 780.00 | |
| 22 | | | | 12.02 | 316.70 | | | | | | | |
| 23 | | | | 11.47 | 328.17 | | | | | | | |
| 24 | | | | 12.05 | 340.22 | | | | | | | |
| 25 | | | | 12.00 | 352.22 | | | | | | | |
| 26 | | | | 11.57 | 363.79 | | | | | | | |
| 27 | | | | 11.92 | 375.71 | | | | | | | |
| 28 | | | | 11.67 | 387.38 | | | | | | | |
| 29 | | | | 11.86 | 399.24 | | | | | | | |
| 30 | | | | 11.96 | 411.20 | | | | | | | |
| 31 | | | | 11.90 | 423.10 | | | | | | | |
| 32 | | | | 11.97 | 435.07 | | | | | | | |
| 33 | | | | 11.84 | 446.91 | | | | | | | |
| 34 | | | | 11.61 | 458.52 | | | | | | | |
| 35 | | | | 11.59 | 470.11 | | | | | | | |
| 36 | | | | 11.68 | 481.79 | | | | | | | |
| 37 | | | | 11.83 | 493.62 | | | | | | | |

THE DETAILED COMPOSITION OF THE CASING STRING SHOULD BE GIVEN :

- EITHER from top to bottom. For the upper joint, the length under RKB will only be considered. So, each cumulated length will be the RKB Measured Depth at the bottom of each corresponding joint.
- OR from bottom to top, beginning by the shoe. So the RKB Measured Depth at the bottom of each joint will be the difference between the shoe Measured Depth and the cumulated length at the corresponding joint. The composition of the extension string should be detailed.

| GENERAL DATA | | | DRILLING BIT | | | | | PERFORMANCES | | | | Deviation | PARAMETERS | | | | MUD | | | | DULL BIT CONDITION | | | Reason for tripping | TURBODRILLED | | | | | | | | |
|--------------|-----------|-------|--------------|--------------|--------------|-----------|---------------|--------------|----|----|--------------------------|-----------|---------------------------|-----------------------|---------------|---------------|----------|--------------|------------|----------------------|------------------------|-------------------|-----------------|---------------------|--------------|---|---|-------------------------|----------------------|--------------------|---------------------|----------------------|--------------------|
| Run number | Operation | Drive | Bit type | Bit Diameter | Manufacturer | Code IADC | Serial number | Nozzles | | | Operation starting depth | | Footage in this operation | Drilling time (hours) | Drilling rate | Weight on bit | R.P.M. | Flow rate | Pressure | Density (mud weight) | Plastic Viscosity (cp) | Solid content (%) | Water loss (cc) | | T | B | G | Observations on grading | GEOLOGICAL FORMATION | Type of turbodrill | Turbodrill diameter | Turbodrilled footage | Total time (hours) |
| | | | | | | | | 1 | 2 | 3 | M | M | | | T | | L/Mil | PSI | | | | | | | | | | | | | | | |
| 1 | F | R | T | 26 | VAREL | L3A | 52837 | 20 | 20 | 20 | 53 | 162 | 8 | 20.25 | 1/4° | 1/4 | 40 60 | 1000 2400 | 300 500 | 1.07 | | | | 1 | 1 | I | | A+S | E | | | | |
| 2 | RA | R | T | 17 1/2" | VAREL | L3A | 52747 | 18 | 18 | 18 | 188.5 | 18.5 | 1.30 | 12.33 | | 0/3 | 40 50 | 2500 | 800 | 1.09 | | | | | | | | | | | | | |
| 2 | F | " | " | " | " | " | " | " | " | " | 215 | 560 | 15 | 38 | 0.5° | 15 | 120 | 2500 | 1300 | 1.09 | 5 | 4 | - | 1 | 2 | I | | C+S+M | F | | | | |
| 3 | RA | R | T | 12 1/4" | HUG | X3A | XA 686 | 16 | 16 | 16 | 753 | 31 | 1.30 | 20.6 | | 5 | 50 | 3200 | 2800 | 1.09 | 6 | 4 | | | | | | | | | | | |
| 3 | P | R | " | " | " | " | " | " | " | " | 784 | 376 | 20 | 18.8 | 1° | 7/15 | 120 | 2000 | 1300 | 1.08 | 9 | 4 | 9.5 | 4 | 4 | I | | A+M+G | E | | | | |

OPERATION
 F - Drilling
 K - Coring
 RA - Redrilling (formation or cement) milling, washing over
 P - Pilot hole drilling
 E - Hole opening
 PE - Simultaneous planning and hole opening
 Note: Use one line for each operation
 Ex.: Redrilling followed by drilling - 2 lines

DRIVE
 R - Rotary
 T - Turbine
 M - Bottom hole motor other than turbine
BIT DESIGN
 T - Tricams (rock bits)
 B - Bitcones
 M - Other cone rock bits
 F - MHR
 D - Diamond bit
 C - Diamond core head
 A - Rock bit w/removable center
 E - Diamond bit w/removable center
 L - Drag bit
 S - Special

MANUFACTURER
 The code constitute the first three letters of the manufacturer name
 HUG - Hughes
 SMH - Smith
 REE - Reed
 SEC - Security
 SMF - SMF
 DIA - Diamond bore
 DRJ - Drilling service
 CHR - Christensen
CODE
 IADC code for rock bits (SEE Formulaires Foreur, p. 200 & 204).

- DULL BIT CONDITION
 T1 - Tooth height 1/8 gone
 T2 - Tooth height 1/4 gone
 T3 - Tooth height 3/8 gone
 T4 - Tooth height 1/2 gone
 T5 - Tooth height 5/8 gone
 T6 - Tooth height 3/4 gone
 T7 - Tooth height 7/8 gone
 T8 - Tooth height all gone
 Bearing wear B1 to B8
 B1 - 1/8 of life elapsed
 B2 - 2/8 of life elapsed
 B8 - Out of service

OBSERVATION ON GRADING:
 Teeth and cones
 CT - Chipped teeth
 ET - Eroded teeth or inserts
 BT - Broken teeth or inserts
 BU - Bit balled up
 RG - Rounded gauge teeth or inserts
 WG - Worn or lost gauge teeth or inserts
 FC - Flat crest
 EC - Eroded cone shell
 BS - Broken, worn or lost spear point
 Bearings
 CL - Cone(s) locked
 BF - Bearing failure
 SF - Seal failure
 LC - Lost cone(s)
 BP - Broken bearing pins or journals
 Bit body
 BL - Bent legs - Pinched
 PH - Plugged nozzle(s)
 EH - Eroded nozzle(s)
 LH - Lost nozzle(s)
 DB - Damaged nozzle(s)

FORMATION
 A - Clay
 C - Limestone or dolomite
 M - Marl or shale
 D - Chalk
 S - Sand
 Q - Sandstone
 G - Grit
 X - Chert
 V - Granite
 K - Conglomerate
 T - Gypsum - Anhydrite
 L - Salt
 The lithology drilled in the previous 24 Hrs will be defined by the codes of the last formations drilled, with a maximum of three placed in order of relative importance.
 Ex. (1) Ap : Plastic clay
 (2) AS : Clay and sand
 (3) Mst : Marl and soft limestone
 (4) MChv : Marl and tight dolomite w/Chert
 Addit: necessary of small letter showing the formation characteristics: p: plastic; h: tight; f: laminated; t: soft
 Ex. 1) Af: laminated clay - 2) Ch: Tight dolomite

- REASON FOR TRIPPING
 A - Penetration slowing down
 B - Increasing torque
 C - Hydraulic problems
 D - Maximum allowed rotating time reached, or bit dulled enough not to allow an other normal drilling run.
 E - Reason other than bit problems
 Ex. (1) Drilling modification
 (2) Casing
 (3) Test
 etc...

ANNEX 1
DAILY DRILLING REPORT

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
FOUILLOUT

1 - GENERAL INFORMATION

| | | | | | | | |
|----------|-------------------|-------|-----|------------|---------|-------|-------|
| OPERATOR | COMPANY or SECTOR | WELL | RIG | CONTRACTOR | DAY | TIME | PHASE |
| AAP | AUST. VIC P17 | WAH 1 | S.X | SSDC | 14/4/84 | No 1D | D |

2 - ABSTRACT

DEPTH AT END OF DAY _____

DEPTH AT BEGINNING OF DAY _____

PROGRESS (DRILLING - CORING) _____

TIME (DRILLING - CORING) _____ h _____ mn

ABSTRACT OF OPERATIONS _____

STATUS AT _____

PROGRAM P: _____

3 - FORMATION DRILLED

LITHOLOGY : _____

PROBABLE FORMATION: _____

SHOWS _____

GAINS _____

LOSSES in the hole _____

Depth: _____

Volume: _____

Fluid: _____

CORES or SIDE WALL CORING

No From To Recovery: %

No From To %

No From To %

No From To %

No From To %

4 - DEVIATION RECORD

| No | Depth | Deviation | Azimuth | No | Depth | Deviation | Azimuth |
|----|-------|-----------|---------|----|-------|-----------|---------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

5 - BIT PERFORMANCES

| BIT NUMBER | PROGRESS DURING DAY | | | | TOTAL per OPERATION | | *DRIVE | BOTTOM HOLE MOTOR | | | DRILLING BIT | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORMATION * | TRIPPING PURPOSE * | |
|------------|---------------------|----------------|---------------------------------|---------------------------------|---------------------|---|--------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|------------|---------------------|-----|------------|----------------------|---------------|---|---|-------------|--------------------|---|
| | Operations * | Starting depth | Footage (FTG) in this operation | Hours including connection time | FTG. | h | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | | | G |
| No | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | |

6 - MUD RECORD

TYPE: _____

S.G. in _____ out _____

MV mini _____ maxi _____

ApV _____ PV _____ YP _____

Gel 0 _____ Gel 10 _____

API WL _____ HP. HT _____

PB _____ PF _____

MF _____ PH _____

Ca⁺⁺/SO₄ Ca _____

CLNa/Ca Cl₂ _____ g/l

WATER _____ OIL _____

Oil/water RATIO _____

Solids _____ % SW _____

Sand cont. _____ %

ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit)

WATER (type) _____ / _____

Diesel/Oil _____ / _____

Barite _____ / _____ 199 T

Cement _____ / _____ 81 T

SOLIDS and GAS CONTROL

EQUIPMENT

WORKING HOURS

S.G. of EFFLUENT

Heavy _____ Light _____

Desander _____

Desilter _____

Degasser _____

Centrifuge _____

Shale shaker _____ mesh

Losses at surface: _____

OBSERVATIONS _____

EVACUATION _____

7 - ASSEMBLY

COMPOSITION _____

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|----------|-------|--|
| From | To | |
| 1800 | 2400 | 6 SOUTHERN CROSS ON TOW TO WYRALLAH # 1 WITH LADY SONIA. |
| | | POSITION AT 23.59: LAT 38° 34.5' |
| | | LONG 147° 29.5' |
| | | PRESENT SPEED 3.7 Knts |
| | | AVERAGE SPEED 4.2 Knts |
| | | ETA LOCATION 5.00 a.m 15/4/84 |

9 - TIME DISTRIBUTION *

10 - WEATHER

12 - HEAD OFFICE COMMENTS

FUEL 330.4 T

DW 596 T

PW 103 T

FUEL main tank: 317 T

(metric tons)

1 - People on board: ESSO = 2
AAP-2, SERV-11, SS-51

2 - Supply vessels:
LADY SALLY
LADY SONIA
TORRENS TIDE

Name and Visa of Drilling engineer: _____

| | | | | | | |
|-------------------------|---------------|-------------|----------|---------|----------|------|
| 1 - GENERAL INFORMATION | FOR | COUNTRY FOR | CITY FOR | DATE | WELL NO. | UNIT |
| AAP | VIC P17 WAH 1 | AUST | S.X | 15/4/84 | No. 2D | D |

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
CH. FOUILLOUT

2 - ABSTRACT

DEPTH AT END OF DAY: _____
 DEPTH AT BEGINNING OF DAY: _____

PROGRESS (DRILLING - CORING) _____
 TIME (DRILLING - CORING) _____ h _____ mn

ABSTRACT OF OPERATIONS TOWING-ANCHORING-ANCHOR
TENSION TEST - BALLASTING STATING TEST

STATUS AT 0700: MAKE UP 26" BHA

PROGRAM P: DRILL 26" HOLE

3 - FORMATION DRILLED

LITHOLOGY: _____

PROBABLE FORMATION: _____

| CORES <input type="checkbox"/> or SIDE WALL CORING <input type="checkbox"/> | | 4 - DEVIATION RECORD | | | | | | | |
|---|------|----------------------|-----------|-------|-----------|----|-------|-----------|--------|
| No | From | To | No | Depth | Deviation | No | Depth | Deviation | Azimut |
| No | From | To | Recovery: | % | | | | | |
| No | From | To | | % | | | | | |
| No | From | To | | % | | | | | |
| No | From | To | | % | | | | | |
| No | From | To | | % | | | | | |

5 - BIT PERFORMANCE

| BIT NUMBER | PROGRESS DURING DAY | | | TOTAL per OPERATION FTG. | * DRIVE | BOTTOM HOLE MOTOR | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | FORM-ATION * | TRIPPING PURPOSE * | | |
|------------|---------------------|----------------|---------------------------------|--------------------------|---------|----------------------------------|---------------|--------------|-----------------|--------------|----------------------|---------------------|---------------|------|---------------------|-----|----------------------|-----------|---------------|--------------|--------------------|---|---|
| | Operations * | Starting depth | Footage (FTG) in this operation | | | Hours including con-nection time | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | | | T | B |
| No | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | |

6 - MUD RECORD

TYPE: _____

S.G. in _____ out _____

MV mini _____ maxi _____

ApV _____ PV _____ YP _____

Gel 0 _____ Gel 10 _____

API WL _____ HP. HT _____

PB _____ PF _____

MF _____ PH _____

Ca⁺⁺/SO₄ Ca _____ g/l

CLNa/Ca Cl₂ _____ g/l

WATER _____ OIL _____

Oil/water RATIO _____

Solids _____ % SW _____

Sand cont. _____ %

WATER (type) _____ / _____

Diesel/Oil _____ / _____

Barite _____ / _____

Cement _____ / _____

ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit)

_____ : _____ / _____

_____ : _____ / _____

_____ : _____ / _____

_____ : _____ / _____

SOIDS and GAS CONTROL

EQUIPMENT WORKING HOURS

Desander _____

Desilter _____

Degasser _____

Centrifuge _____

Shale shaker _____ mesh

S.G. of EFFLUENT Heavy _____ Light _____

Losses at surface: _____

OBSERVATIONS: _____

EVACUATION: _____

7 - ASSEMBLY

COMPOSITION: _____

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG From | To | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|---------------|------|-------|--|
| 0000 | 0600 | 6 | ON TOW TO WYRAILLAH NO.1 W/LADY SONIA |
| 0600 | 1230 | 6 1/2 | RUN ANCHORS |
| | | | 0609: ANCHOR 1 ON BOTTOM |
| | | | 0830: ANCHOR 8 ON BOTTOM W/TORRENS TIDE |
| | | | 0837: ANCHOR 4 ON BOTTOM W/LADY SALLY |
| | | | 0947: ANCHOR 5 ON BOTTOM W/TORRENS TIDE |
| | | | 1011: ANCHOR 3 ON BOTTOM W/LADY SALLY |
| | | | 1056: ANCHOR 7 ON BOTTOM W/TORRENS TIDE |
| | | | 1124: ANCHOR 2 ON BOTTOM W/LADY SALLY |
| | | | 1206: ANCHOR 6 ON BOTTOM W/TORRENS TIDE |
| 1230 | 1330 | 1 | POSITION RIG OVER LOCATION |
| 1330 | 1430 | 1 | PRE-TENSION ANCHORS 200 KIPS-NO.2 LINE PARTED |
| 1430 | 1900 | 4 1/2 | RE-RUN ANCHOR 2 W/TORRENS TIDE AND TEST 200 KIPS |
| 1900 | 2330 | 4 1/2 | BALLAST RIG TO DRILLING DRAFT 48 FEET |
| 2330 | 2400 | 1/2 | STATIC TEST IN PROGRESS. |

9 - TIME DISTRIBUTION *

| | | |
|---|------------------------------------|---------------------|
| D | Moving | D ₁ 1930 |
| | | D ₂ |
| | | D ₃ 430 |
| F | Drilling casing | F ₁ |
| | | F ₂ |
| | | F ₃ |
| | | F ₄ |
| G | Formation surveys | G ₁ |
| | | G ₂ |
| | | G ₃ |
| | | G ₄ |
| A | Interruptions of operations F or G | A ₁ |
| | | A ₂ |
| | | A ₃ |
| | | A ₄ |
| C | Completion plugging | C ₁ |
| | | C ₂ |
| | | C ₃ |
| | | C ₄ |

10 - WEATHER

| | | | | |
|---------|-------------|-----|------|--|
| Wind | TIME | 24 | UNIT | |
| | Speed | 5 | KN | |
| | Direction | 070 | ° | |
| | Height | 0.6 | m | |
| Swell | Period | 7 | s | |
| | Direction | 080 | ° | |
| | Temperature | 16 | °C | |
| Current | Speed | 0.1 | | |
| | Direction | 075 | ° | |
| | Roll | 0.6 | ° | |
| | Pitch | 0.5 | ° | |
| | Heave | | | |

MISCELLANEOUS

1 - People on board: AAP=1, SERV=12, SS=51

2 - Supply vessels: LADY SONIA DEP1010

LADY SALLY DEP 1430

BASS TIDE & TORRENS TIDE ON LOCATION

Name and Vessel of Drilling engineer: _____

1 - GENERAL INFORMATION

OPERATOR **AAP** RY or SECTOR **AUST** WELL **WHA 1** RIG **S.X** CONTRACTOR **SSDC** DATE **16/4/84** NO. **1** Ø **26"**

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE **J. BELLANGER**

2 - ABSTRACT

DEPTH AT END OF DAY **215**
 DEPTH AT BEGINNING OF DAY **53 m**
 PROGRESS (DRILLING - CORING) **162 m**
 TIME (DRILLING - CORING) **8 h 00 mn**
 ABSTRACT OF OPERATIONS **STATIC TEST RUN TGB, UNLOAD SUPPLY BOAT - M/UP BHA - DRILLING, WIPER TRIP DISPLACE HOLE W/HT.VIS MUD P.O.O.H STATUS AT 0630 CIRCULATING PROGRAM P: CEMENT CASTING 20"**

LITHOLOGY : _____
 PROBABLE FORMATION: _____
 SHOWS _____
 GAINS _____
 LOSSES in the hole _____
 Depth: _____
 Volume: _____
 Fluid: _____

CORES or SIDE WALL CORING
 NO From To Recovery: %
 NO From To %
 NO From To %
 NO From To %
 NO From To %

4 - DEVIATION RECORD

| NO | Depth | Deviation | Azimuth | NO | Depth | Deviation | Azimuth |
|----|-------|-----------|---------|----|-------|-----------|---------|
| 1 | 215 | 1° | | | | | |

5 - BIT PERFORMANCES

| BIT NUMBER | Operators * | PROGRESS DURING DAY | | | TOTAL per OPERATION FTG. h | DRIVE * DR | BOTTOM HOLE MOTOR | | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORMATION * | TRIPPING PURPOSE * | | |
|------------|-------------|---------------------|---------------------------------|---------------------------------|----------------------------|------------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|------|---------------------|-----|------------|-----------|----------------------|-----|---|---|-------------|--------------------|---------|---|
| | | Starting depth | Footage (FTG) in this operation | Hours including connection time | | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | G | | | Remarks | |
| 1 | F | 53 | 162 | 8 h 00 mn | 53 | 8 | R | | T | VAREL | L3A | 52837 | 26 | 20 | 20 | 20 | 1/4 | 40/60 | 1000 | 300 | 1 | 1 | 0 | | | E |

6 - MUD RECORD

TYPE: **SEAWATER / MUD**
 S.G. in **1.07** out _____
 MV mini _____ maxi **100**
 ApV _____ PV _____ YP _____
 Gel 0 _____ Gel 10 _____
 API WL _____ HP. HT _____
 PB _____ PF _____
 MF _____ PH _____
 Ca⁺⁺/SO₄ Ca _____
 CLNa/Ca Cl₂ _____ g/l
 WATER _____ OIL _____
 Oil/water RATIO _____
 Solids _____ % SW _____
 Sand cont. _____ %
 WATER (type) _____ / _____
 Diesel/Oil _____ / _____
 Barite _____ / **199 T**
 Cement _____ / **R 47T / 128 T**
 ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit)
BENTO : 15.7 T / 52.6 T
CAUSTIC : 420 Kg / 14770 Kg
S/ASH : 120 Kg / 1280 Kg
 SOLIDS and GAS CONTROL
 EQUIPMENT WORKING HOURS S.G. of EFFLUENT
 Desander _____ Heavy _____ Light _____
 Desilter _____
 Degasser _____
 Centrifuge _____
 Shale shaker _____ mesh Losses at surface _____

7 - ASSEMBLY

COMPOSITION **BIT 26" + 2 x 9 3/4" DC + X/O + STAB 26" + X/O + 1 x 9 3/4" DC + X/O + 6 x 8" DC + X/O + HWDP**

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG From | TO | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|---------------|------|-------|--|
| 0000 | 0130 | 1:30 | STATIC TEST |
| 0130 | 0200 | 0:30 | RUN TGB, RKB MUD LINE 53m WATER DEPTH 32m |
| 0200 | 0630 | 4:30 | UNLOAD DRILLING EQUIPMENT FROM SUPPLY BOAT |
| 0630 | 1100 | 4:30 | M/UP BHA AND RUN TO SEA BED - SPUDDING 1100 ON 16/4/84 |
| 1100 | 1900 | 8:00 | DRILLING FROM 53m TO 215m |
| 1900 | 1930 | 0:30 | PUMP 377 BBL HT.VIS MUD DROP TOTCO |
| 1930 | 2030 | 1:00 | P.O.O.H TO 75m |
| 2030 | 2100 | 0:30 | RECOVER SURVEY |
| 2100 | 2130 | 0:30 | RTH TO 215m NO FILL |
| 2130 | 2230 | 1:00 | DISPLACE HOLE W/503 BBL HT.VIS MUD |
| 2230 | 2330 | 1:00 | P.O.O.H |
| 2330 | 2400 | 0:30 | PREPARE TO RUN 20" CASING |

9 - TIME DISTRIBUTION *

| | | |
|--------------------------------------|----------------|-------|
| D Moving | D ₁ | 11:00 |
| | D ₂ | |
| | D ₃ | |
| F Drilling casing | F ₁ | 8:00 |
| | F ₂ | |
| | F ₃ | |
| | F ₄ | 5:00 |
| G Formation surveys | G ₁ | |
| | G ₂ | |
| | G ₃ | |
| | G ₄ | |
| A Interruptions of operations F or G | A ₁ | |
| | A ₂ | |
| | A ₃ | |
| | A ₄ | |
| C Completion plugging | C ₁ | |
| | C ₂ | |
| | C ₃ | |
| | C ₄ | |

10 - WEATHER

| TIME | 24 | MAX | UNIT |
|-------------|-----------|-----|------|
| Wind | Speed | 24 | KT |
| | Direction | 290 | ° |
| | Height | 1.5 | m |
| Swell | Period | 6 | s |
| | Direction | 240 | ° |
| Temperature | | 16 | °C |
| | Speed | 0.7 | Kt |
| Current | Direction | 110 | ° |
| | Roll | 0.4 | ° |
| Pitch | | 0.3 | ° |
| | Heave | 0.3 | m |

MISCELLANEOUS

1 - People on board: **AAP-1, SERV 2, SS52**
 2 - Supply vessels: **0700 CORAL J**

12 - HEAD OFFICE COMMENTS
 USED STOCK
 FUEL: 8 306
 DW: 144 291
 PW: 14 69 T
 TOTAL = 65
 Name and Visa of Drilling engineer:

| | | | | | | | | | | |
|-------------------------|----------|-------------------|-------|-----|------------|---------|--------|-------|------------------------------|---|
| 1 - GENERAL INFORMATION | OPERATOR | COUNTRY or SECTOR | WELL | RIG | CONTRACTOR | DAY | REPORT | PHASE | DAILY DRILLING REPORT | OPERATOR'S REPRESENTATIVE <u>J. Y. BELLANGER</u> |
| | AAP | AUST | WAH 1 | S.X | SSDC | 17/4/84 | No 2 | 26" | | |

| | | | | | | | |
|--|---------------------------|-------|------------------------|----------------------|---------|--------|--------------------|
| 2 - ABSTRACT | DEPTH AT END OF DAY | 215 m | *3 - FORMATION DRILLED | LITHOLOGY : | SHOWS | GAINS | LOSSES in the hole |
| | DEPTH AT BEGINNING OF DAY | | | PROBABLE FORMATION : | | Depth: | |
| PROGRESS (DRILLING - CORING) | | | | | Volume: | | |
| TIME (DRILLING - CORING) | | | | | Fluid: | | |
| ABSTRACT OF OPERATIONS <u>RUN 20" CSG - CEMENTING - RUN BOP - INSTALL DIVERTER - RUN TEST TOOL</u> | | | | | | | |
| STATUS AT <u>0600 RIH WITH 17 1/2" BIT</u> | | | | | | | |
| PROGRAM P: <u>DRILLING 17 1/2" HOLE</u> | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---------------------|--------------|----------------|---------------------------------|---------------------|-------------------|---|---------|---------------|--------------|------------|--------------|----------------------|---------------------|---------------|------|---------------------|----------------------|------------|-----------|---------------|---------------------------------|---|---|---|---------|--|--|
| 5 - BIT PERFORMANCES | PROGRESS DURING DAY | | | | TOTAL per OPERATION | BOTTOM HOLE MOTOR | | | | DRILLING BIT | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ATION * TRIPPING * * | | | | | | |
| | BIT NUMBER | Operations * | Starting depth | Footage (FTG) in this operation | h | FTG. | h | * DRIVE | MFG. and Type | φ | Cumulation | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | | T | B | G | Remarks | | |
| | No | | | | h | | | | | | | | | | | | | | | | | | | | | | | |
| | No | | | | h | | | | | | | | | | | | | | | | | | | | | | | |
| | No | | | | h | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--|---------------------------------|--------------------------------------|-------------------------|-----------------|---|--------------|--------|-------------------|------------------------|--------|--------|--|-----------|---------------|------------------|
| 6 - MUD RECORD | TYPE: <u>PH. GEL / SPUD MUD</u> | | | | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | | | | SOLIDS and GAS CONTROL | | | | | | |
| | S.G. in <u>1.02</u> out | API WL | HP. HT | WATER | OIL | WATER (type) | : | GEL | : | 4.6 T | : | 49 T | EQUIPMENT | WORKING HOURS | S.G. of EFFLUENT |
| | MV mini | PB | PF | Oil/water RATIO | <u>97</u> | Diesel/Oil | : | CAUSTIC | : | 70 Kg | : | 14700 Kg | Desander | | Heavy |
| | ApV | PV | YP | MF | PH | <u>9.5</u> | Barite | : | UNICAL | : | 100 Kg | : | 2900 Kg | Desilter | |
| Gel 0 | Gel 10 | Ca ⁺⁺ /SO ₄ Ca | CLNa/Ca Cl ₂ | Sand cont. | <u>0 %</u> | Cement | : | CACL ₂ | : | 300 Kg | : | - | Degasser | | |
| OBSERVATIONS <u>DAILY COST A\$3185 CUMULATIVE COST A\$8487</u> | | | | | | | | EVACUATION | | | | Shale shaker _____ mesh Losses at surface : | | | |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------|-------|--|------|---|---|--|------------------------|--|--|---|--|-------------------------|--------------|---------------------------|--|--|--|
| 8 - CHRONOLOGY OF OPERATIONS | COMPOSITION | | DETAILS OF OPERATION IN SEQUENCE AND REMARKS | | | | | | | | | | 9 - TIME DISTRIBUTION * | 10 - WEATHER | 12 - HEAD OFFICE COMMENTS | | | |
| | TIME LOG | HOURS | From | To | 0000 | 0030 | 0:30 | R/UP TO RUN 20" CASING | D ₁ _____ D ₂ _____ D ₃ _____ F ₁ _____ F ₂ _____ F ₃ _____ F ₄ <u>24</u> G ₁ _____ G ₂ _____ G ₃ _____ G ₄ _____ A ₁ _____ A ₂ _____ A ₃ _____ A ₄ _____ C ₁ _____ C ₂ _____ C ₃ _____ C ₄ _____ | WIND Speed Direction Height Period Direction Temperature Speed Direction Roll Pitch Heave | UNIT Kt O m s O C Kt O O O m | USED STOCK FUEL: 5 T 301 T DW : 220 T 291 T PW : 14 T 80 T TOTAL 65 Name and Visa of Drilling engineer: | | | | | | |
| | | | 0030 | 0600 | 5:30 | RUN 20" CASING - SHOE AT 207 m | 1 - People on board: <u>AAP 3, SERV 13, SX 49</u> | | | | | | | | | | | |
| | | | 0600 | 0630 | 0:30 | R/UP CMT LINES TEST SAME AT 1500 PSI | | | | | | | | | | | | |
| | | | 0630 | 0700 | 0:30 | CIRC. W/SEAWATER 1000 L/MIN 250 PSI | | | | | | | | | | | | |
| | | | 0700 | 0900 | 2:00 | CEMENTING JOB (1) GEL CMT - 36 T MIXED W/46.5m ³ WATER + 3.8% PREHYDRATED GEL d = 1.47 | | | | | | | | | | | | |
| | | | | | | (2) THX-SET CMT. - 8.5 T MIXED W/5700 L d = 1.68 / 200% EXCESS | | | | | | | | | | | | |
| | | | | | | DISPLACE W/23055 L HEAVY MUD d = 1.40 | | | | | | | | | | | | |
| | | | 0900 | 0930 | 0:30 | PULL 20" RUNNING TOOL | | | | | | | | | | | | |
| | | | 0930 | 1100 | 1:30 | P/UP RISER PUP JOINTS (20' - 15' - 5') | | | | | | | | | | | | |
| | | 1100 | 1200 | 1:00 | DIVERS IN WATER TO TAKE BTM SAMPLE & INSPECT HOUSING & TGB & PGB - OK | | | | | | | | | | | | | |
| | | 1200 | 1630 | 4:30 | R/UP BOP & FUNCTION TEST ON BLUE & YELLOW PODS | | | | | | | | | | | | | |
| | | 1630 | 2000 | 3:30 | RUN BOP R/UP TENSIONERS - LAND & LATCH BOP - P/UP TEST 25000lb OK | | | | | | | | | | | | | |
| | | 2000 | 2030 | 0:30 | TEST CASING W/SHEAR RAMS 500 PSI OK | | | | | | | | | | | | | |
| | | 2030 | 2330 | 3:00 | INSTALL DIVERTER | | | | | | | | | | | | | |
| | | 2330 | 2400 | 0:30 | RUN TEST TOOL | | | | | | | | | | | | | |

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
BELLANGER

1 - GENERAL INFORMATION
 TOR: AAP, AUST., WAH 1, S.X, SSDC, 18/4/84, No. 3, 17 1/2

2 - ABSTRACT
 DEPTH AT END OF DAY: **666 m**
 DEPTH AT BEGINNING OF DAY: 215 m
 PROGRESS (DRILLING - CORING): **451 m**
 TIME (DRILLING - CORING): **10 h 30 mn**
 ABSTRACT OF OPERATIONS: TEST BOP - M/UP 17 1/2 BHA
 DRILLING CMT & FORMATION - SURVEY
 WIPER TRIP - DRILLING
 STATUS AT 0630 CIRCULATING AT 778 m
 PROGRAM P: LOGGING & RUN 13-3/8 CASING

LITHOLOGY: LIMESTONE - MARL QUARTZ
 GRAINS - CLAY
 PROBABLE FORMATION: GIPPSLAND LIMESTONE

SHOWS: NONE
 GAINS: NONE
 LOSSES in the hole: NONE

3 - FORMATION DRILLED

4 - DEVIATION RECORD

| No | Depth | Deviation | Azimuth | No | Depth | Deviation | Azimuth |
|----|-------|-----------|---------|----|-------|-----------|---------|
| 2 | 561 | 0.30° | | | | | |

5 - BIT PERFORMANCES

| BIT NUMBER | Operations * | PROGRESS DURING DAY | | | TOTAL per OPERATION | | *DRIVE | BOTTOM HOLE MOTOR | | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORMATION * | TRIPPING PURPOSE * | | | | |
|------------|--------------|---------------------|---------------------------------|---------------------------------|---------------------|-------|--------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|--------|---------------------|-------|------------|----------------|----------------------|------|------|---|-------------|--------------------|---------|--|--|-----------|
| | | Starting depth | Footage (FTG) in this operation | Hours including connection time | FTG. | h | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB T | Rotary RPM | Flow rate L/MN | Pump Pressure PSI | T | B | G | | | Remarks | | | |
| No 2 | RA | 188.5m | 18.5 | 1 h 30 mn | 18.5 | 1.30 | R | | | | T | VAREL | L3A | 52747 | 17 1/2 | 18 | 18 | 18 | 0/3 | 40/50 | 2500 | 800 | | | | | | | CMT |
| No 2 | F | 215 | 451 | 10 h 30 mn | 451 | 10.30 | R | | | | T | VAREL | L3A | 52747 | " | 18 | 18 | 18 | 8/15 | 120 | 2500 | 1300 | | | | | | | C+S +M |

6 - MUD RECORD

TYPE: CAUSTIC BENTO

| | | | | | |
|-----------------------|---------------------------|-----------------------|---|------------------------|------------------|
| S.G. in 1.09 out 1.10 | API WL _____ HP. HT _____ | WATER 96 OIL 0 | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | SOLIDS and GAS CONTROL | |
| MV mini 35 maxi 43 | PB _____ PF 0.2 | Oil/water RATIO _____ | GEL: 15.5 T / 83.5 T | EQUIPMENT | WORKING HOURS |
| ApV 13.5 PV 5 YP 17 | MF 0.4 PH 9 | Solids 4 % SW _____ | CAUSTIC: 1 T / 13.7 T | Desander | S.G. of EFFLUENT |
| Gel 0 12 Gel 10 15 | Ca++/Sr++Ca 200 ppm | Sand cont. Tr % _____ | MUD DET: 416 L / 1684 L | Desilter | Heavy |
| | CLNa/Ca Cl2 _____ | | SOD. ASH: 0.5 T / 1.3 T | Degasser | Light |
| | | | Cement: _____ / 83.5 T | Centrifuge | |

OBSERVATIONS: DAILY COST \$7341, CUMULATIVE COST \$15828

7 - ASSEMBLY

COMPOSITION: BIT + BS + 3x 9 3/4 DC + X/O + 8x 8" DC + JAR + X/O + 6 HWDP + 5 DP

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|-----------|-------|---|
| 0000-0030 | 0:30 | RUN 20" TEST TOOL |
| 0030-0400 | 3:30 | TEST BOP, RAMS & VALVES 300/5000 PSI. ANNULARS 300/2500 PSI WITH BLUE POD |
| 0400-0430 | 0:30 | PULL TEST TOOL |
| 0430-0630 | 2:00 | RUN WEAR BUSHING |
| 0630-0930 | 3:00 | M/UP 17 1/2 BHA TAG CMT AT 188.5 m |
| 0930-1000 | 0:30 | FUNCTION TEST DIVERTER SYST. |
| 1000-1130 | 1:30 | DRILL OUT CMT & SHOE 207m WASH DOWN TO 215m |
| 1130-1930 | 8:00 | DRILL 17 1/2 HOLE FROM 215m TO 561m |
| 1930-2000 | 0:30 | CIRC. DROP TOTCO |
| 2000-2030 | 0:30 | PUMP VIS PILL - POH |
| 2030-2100 | 0:30 | RECOVER TOTCO |
| 2100-2130 | 0:30 | RIH NO FILL |
| 2130-2400 | 2:30 | DRILLING 17 1/2 HOLE FROM 561m to 666m |
| | | SLOW FLOW RATES AT 400m WITH PUMP #1 & 2 |
| | | 30 SPM 150 PSI 40 SPM 200 PSI |

9 - TIME DISTRIBUTION *

10 - WEATHER

| TIME | MIN | MAX | UNIT |
|-------------------|-----|------|------|
| Wind Speed | 10 | 20 | KT |
| Wind Direction | 020 | 230 | ° |
| Swell Height | 0.6 | 2.4 | m |
| Swell Period | 6 | 6 | sec |
| Swell Direction | 230 | 250 | ° |
| Temperature | 15 | 18 | ° |
| Current Speed | 0.1 | 1.4 | Kt |
| Current Direction | 40 | 090 | ° |
| Roil | | 0.6 | ° |
| Pitch | | 0.6 | ° |
| Heave | | 0.15 | m |

12 - HEAD OFFICE COMMENTS

US R St

FUEL: 9 T 91 T 383 T
 DW 179T 100T 212T
 PW 14.5T 68.5T 134T

ANCHOR TENSIONS

MIN. 45 Kips (+ 2)
 MAX. 90 Kips (+ 7)

1 - People on board: AAP 3, SX 48, SERV 16
 2 - Supply vessels: CORAL J STANDBY BOAT

TOTAL 67
 Name and Visa of Drilling engineer: *[Signature]*

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
BELLANGER

1 - GENERAL INFORMATION
 TOR: AAP, AUST, WAH 1, S.X, SSDC, 19/4/84 No 4, φ 17 1/2

2 - ABSTRACT
 DEPTH AT END OF DAY: **784 m**
 DEPTH AT BEGINNING OF DAY: **666 m**
 PROGRESS (DRILLING - CORING): **118 m**
 TIME (DRILLING - CORING): **4 h 30 mn**
 ABSTRACT OF OPERATIONS: **DRILLING - WIPER TRIP - SURVEY LOGGING - M/UP CASING HANGER, CONTROL TRIP - CIRC - PULL WEAR BUSHING - R/UP WEATHERFORD**
 STATUS AT 0600: **CIRCULATING AT SHOE 780 m**
 PROGRAM: **CEMENTING 13-3/8" CASING**

3 - FORMATION DRILLED
 LITHOLOGY: **LIMESTONE INTERVALLED WITH CLAYSTONE AND MARL**
 PROBABLE FORMATION: **GIPPSLAND LIMESTONE**

4 - DEVIATION RECORD

| No | Depth | Deviation | Azimuth |
|----|-------|-----------|---------|
| 3 | 778 | 0.5° | |

5 - BIT PERFORMANCES

| BIT NUMBER | PROGRESS DURING DAY | | | | TOTAL per OPERATION | | * DRIVE | BOTTOM HOLE MOTOR | | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ACTION * | TRIPPING PURPOSE * | | |
|------------|---------------------|----------------|---------------------------------|---------------------------------|---------------------|----|---------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|-------------|---------------------|------|------------|-----------|----------------------|---|---|---|---------------|--------------------|---------|--|
| | Operations * | Starting depth | Footage (FTG) in this operation | Hours including connection time | FTG | h | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | G | | | Remarks | |
| No 2 F | | 666 | 112 | 3 h 30 mn | 563 | 14 | R | | | T | VAREL | L3A | 52474 | 17 1/2 | 18 18 18 15 | 120 | 2500 | 1300 | | | | | | | | C + S | |
| No 2 F | | 778 | 6 | 1 h 00 mn | 569 | 15 | R | | | T | VAREL | L3A | 52474 | " | 18 18 18 15 | 120 | 2500 | 1300 | 1 | 2 | I | | | | M | E | |

6 - MUD RECORD

| TYPE: CAUSTIC / BENTO | | | | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | | | | | | | | | | SOLIDS and GAS CONTROL | | | | | | | |
|-----------------------|------|--------|------|---|--------|-------|-----------------|-----|--------|--------------|------|---------|----------------|------------------------|----------|-------------------------------------|-----------|-------|---------------|------------------|--|
| S.G. in | 1.08 | out | 1.10 | API WL | HP. HT | WATER | 96 | OIL | 0 | WATER (type) | | | | GEL | 33.5 T | | EQUIPMENT | | WORKING HOURS | S.G. of EFFLUENT | |
| MV mini | 37 | maxi | 52 | PB | PF | 2 | Oil/water RATIO | | | | | CAUSTIC | 0.8 T / 12.9 T | | Desander | 8 H | 1.38 | Heavy | Light | | |
| ApV | PV | 5 | YP | 20 | MF | 0.6 | PH | 9 | Solids | 4 | % SW | | | | Degasser | 8 H | 1.29 | | | | |
| Gel 0 | 10 | Gel 10 | 13 | Ca++/SOXX | 120 | ppm | Sand cont. | Tr | % | | | | Centrifuge | | | | | | | | |
| | | | | CLNa/Ca Cl ₂ | 20 | g/l | | | | | | | Shale shaker | 40 x 20 mesh | | Losses at surface: 3 m ³ | | | | | |

OBSERVATIONS: **DAILY COST A\$ 720 CUMULATIVE COST A\$ 16 584** EVACUATION: _____

7 - ASSEMBLY
 COMPOSITION: **SAME AS REPORT NO. 3**

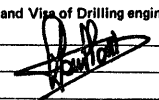
8 - CHRONOLOGY OF OPERATIONS

| TIME LOG From To | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|------------------|-------|---|
| 0000 0330 | 3:30 | DRILLING FROM 666 m TO 778 m |
| 0330 0430 | 1:00 | CIRCULATING |
| 0430 0630 | 2:00 | WIPER TRIP, TO THE SHOE |
| 0630 0730 | 1:00 | CIRCULATING - DROPPED SURVEY |
| 0730 0930 | 2:00 | P.O.O.H |
| 0930 1000 | 0:30 | RIG UP SCHLUMBERGER |
| 1000 1500 | 5:00 | LOGGING RUN 1: INDUCTION SONIC, GAMMA RAY FROM 208 TO 775 m RUN 2: LDT, GAMMA RAY, CALIPER FROM 208 TO 775 m |
| 1500 1600 | 1:00 | MAKE UP CASING HANGER & RUN TOOLSTAND BACK IN DERRICK |
| 1600 1800 | 2:00 | RTH W/BIT #2 FOR CONTROL TRIP |
| 1800 1900 | 1:00 | DRILLING FROM 778m TO 784m TO ADJUST CASING SHOE |
| 1900 2030 | 1:30 | CIRCULATING - SPUD 100 BBLs HI-VIS MUD |
| 2030 2230 | 2:00 | CHAIN OUT OF HOLE |
| 2230 2330 | 1:00 | PULL WEAR BUSHING |
| 2330 2400 | 0:30 | RIG UP WEATHERFORD TONGS. PREPARE TO RUN 13-3/8" CASING |

9 - TIME DISTRIBUTION *
 10 - WEATHER
 11 - MISCELLANEOUS

| Category | Value | Unit |
|-------------------|-------|------|
| TIME | 24 | UNIT |
| Wind Speed | 12 | Kt |
| Wind Direction | 290 | ° |
| Wind Height | 1.8 | m |
| Wind Period | 7 | s |
| Wind Direction | 290 | ° |
| Temperature | 17 | °C |
| Current Speed | 1.2 | Kt |
| Current Direction | 040 | ° |
| Roll | 0.7 | ° |
| Pitch | 0.6 | ° |
| Heave | 0.15 | m |

1 - People on board: **AAP 3, SX 48, SERV 18**
 2 - Supply vessels: **CORAL J + LADY SONIA AT RIG**

12 - HEAD OFFICE COMMENTS
USED STOCK
FUEL: 10 T 373 T
DW: 20 T 192 T
PW: 15 T 119 T
TOTAL = 69
 Name and Visa of Drilling engineer: 

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
BELLANGER

1 - GENERAL INFORMATION
 OR DR WAH 1 S.X SSDC 20484 No 5 17 1/2 / 12 1/4

PAGE 1 of 2

2 - ABSTRACT
 DEPTH AT END OF DAY 788 m
 DEPTH AT BEGINNING OF DAY 784 m
 PROGRESS (DRILLING - CORING) 4 m
 TIME (DRILLING - CORING) 0 h 30 mn
 ABSTRACT OF OPERATIONS RUN 13-3/8 CASING - CMT - SET SEAL ASSY - TEST BOP - SET WEAR BUSHING - DRILL OUT CMT & 4m FORMATION - CIRCULATE
 STATUS AT 0600: DRILLING 12 1/4" AT 871 m
 R/OP 15/20 m/hr
 PROGRAM P: DRILLING 12 1/4" HOLE

LITHOLOGY: CLAYSTONE
 PROBABLE FORMATION: GIPPSLAND LIMESTONE

| SHOWS | GAINS | LOSSES in the hole |
|-------|-----------------------------|--------------------|
| NONE | Depth: Volume: Fluid: | |

*3 - FORMATION DRILLED

| CORES <input type="checkbox"/> | | or | | SIDE WALL CORING <input type="checkbox"/> | |
|--------------------------------|------|----|-----------|---|--|
| No | From | To | Recovery: | % | |
| No | From | To | | % | |
| No | From | To | | % | |
| No | From | To | | % | |

4 - DEVIATION RECORD

| No | Depth | Deviation | Azimuth | No | Depth | Deviation | Azimuth |
|----|-------|-----------|---------|----|-------|-----------|---------|
| | | | | | | | |

5 - BIT PERFORMANCES

| BIT NUMBER | PROGRESS DURING DAY | | | | TOTAL per OPERATION | | | *DRIVE | | BOTTOM HOLE MOTOR | | | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ACTION * | TRIPPING PURPOSE * |
|------------|---------------------|----------------|---------------------------------|---------------------------------|---------------------|------|---|---------------|---|-------------------|--------------|----------------------|---------------------|---------------|--------|---------------------|-------|------------|-----------------|---------------|------|------|----------------------|---------|--|--|---------------|--------------------|
| | Operations * | Starting depth | Footage (FTG) in this operation | Hours including connection time | FTG. | h | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB T | Rotary RPM | Flow rate L/Min | Pump Pressure | T | B | G | Remarks | | | | |
| No 3 RA | | 753 | 31 | 1 h 30 mn | 31 | 1:30 | R | | | | T | HUG | X3A | XA 686 | 12 1/4 | 16 | 16 | 16 | 5 | 50 | 3200 | 2800 | | | | | | |
| No 3 F | | 784 | 4 | 0 h 30 mn | 4 | 0:30 | R | | | | T | HUG | X3A | XA 686 | 12 1/4 | 16 | 16 | 16 | 10 | 120 | 2000 | 850 | | | | | | |

6 - MUD RECORD

| TYPE: CAUSTIC / BENTO | | | | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | | | | | | | | | | SOLIDS and GAS CONTROL | | | | | | |
|-----------------------|------|--------|------|---|------------|-------|-----------------|------|----|--------------|---|----------|--------|------------------------|--------|--------------|---------------|------------------|-------------------|-------|
| S.G. in | 1.09 | out | 1.10 | API WL | HP. HT | WATER | 96 | OIL | | WATER (type) | / | GEL | 4.8 T | / | 28.7 T | EQUIPMENT | WORKING HOURS | S.G. of EFFLUENT | Heavy | Light |
| MV mini | 40 | maxi | 53 | PB | PF | 0.3 | Oil/water RATIO | 0 | | | / | CAUSTIC | 0.3 T | / | 12.6 T | Desander | 7 | 1.35 | | |
| ApV | PV | 6 | YP | MF | PH | 9.5 | Solids | 4 % | SW | | / | BICARB | 0.24 T | / | 0 | Desilter | 7 | 1.30 | | |
| Gel 0 | 15 | Gel 10 | 18 | Ca ⁺⁺ /S&X | 200 ppm | | Sand cont. | Tr % | | | / | SODA ASH | 0.12 T | / | 1.18 T | Degasser | | | | |
| | | | | CLNa/Ca Cl ₂ | 20,000 g/l | | | | | | / | | | | | Shale shaker | 40/60 | mesh | Losses at surface | |

OBSERVATIONS DAILY COST A\$ 2322 CUMULATIVE COST A\$ 18,870

7 - ASSEMBLY
 COMPOSITION BIT + BIT SUB + 14 x 8" DC + 9 HWDP + 5 DP E

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|-----------|-------|--|
| 0000-0500 | 5:00 | RUN 13-3/8 CASING TO 780m (68 lb/ft - J55 - BUTTRESS) |
| 0500-0630 | 1:30 | RIG UP CEMENTING LINE AND CIRCULATING (1300 L/Min, 450 PSI) |
| 0630-0730 | 1:00 | TEST CEMENTING LINE 4000 PSI - TRY TO RELEASE BOTTOM PLUG (NO SUCCESS) |
| 0730-0900 | 1:30 | P.O.O.H RUNNING TOOL, CHANGE PLUGS & FOUND WASHED BALL R.I.H & TEST CEMENTING LINE 4000 PSI - O.K |
| 0900-1030 | 1:30 | RELEASE BOTTOM PLUG (1800 PSI). MIXING CMT: (1) GEL CMT 19m ³ W/PREHYDRATED GEL (3.8%) & 15 T CEMENT (2) NEAT CMT 9m ³ , 18T RELEASE TOP PLUG (3600 PSI) |
| 1030-1130 | 1:00 | DISPLACE W/RIG PUMP 55 CUBIC M, FINAL PRESSURE 800 PSI AT 1000 L/MN. BUMP PLUG 1500 PSI. |
| 1130-1200 | 0:30 | P.O.O.H RUNNING TOOL |
| 1200-1300 | 1:00 | WASH WELLHEAD |
| 1300-1700 | 4:00 | INSTALL SEAL ASSY & TEST SAME AT 1500 PSI - TEST BOP'S: RAMS 5000/ANNULAR 2500 & BLIND SHEAR RAMS 500 PSI |
| 1700-1730 | 0:30 | INSTALL WEAR BUSHING |
| 1730-2100 | 3:30 | PICK UP NEW BHA, TAG CEMENT AT 753 m |
| 2100-2230 | 1:30 | DRILL OUT CEMENT AND PLUGS |

9 - TIME DISTRIBUTION *

| D | Moving | D ₁ | D ₂ | D ₃ |
|----------------|--------|----------------|----------------|----------------|
| F ₁ | 0:30 | | | |
| F ₂ | | | | |
| F ₃ | 1:00 | | | |
| F ₄ | 22:30 | | | |

10 - WEATHER

| WIND | TIME | MAX | UNIT |
|-------------|-------|-----|------|
| Speed | 55 | | Kt |
| Direction | 220 | | o |
| Height | 7.5 | | m |
| Period | 8 | | sec |
| Direction | 140 | | o |
| Temperature | 16 | | oC |
| Current | Speed | 1.2 | Kt |
| Direction | 220 | | o |
| Roll | 6.2 | | o |
| Pitch | 1.5 | | o |
| Heave | 1.5 | | m |

MISCELLANEOUS

1 - People on board:
AAP 3, S.X 19, SERV 12

2 - Supply vessels: 0600
LADY SONIA - RIG
CORAL J - W'POOL

12 - HEAD OFFICE COMMENTS
 USED STOCK
 FUEL: 9 T 364 T
 DW: 124 T 368 T
 PW: 15 T 104 T

Name and Visa of Drilling engineer: *[Signature]*

DAILY DRILLING REPORT

PAGE 2 of 2

OPERATOR'S REPRESENTATIVE

1 - INFO
 COUNTRY OR _____
 REPORT No 5
 17 1/2 / 12 1/4

2 - ABSTRACT
 DEPTH AT END OF DAY _____
 DEPTH AT BEGINNING OF DAY _____
 PROGRESS (DRILLING - CORING) _____
 TIME (DRILLING - CORING) _____ h _____ mn
 ABSTRACT OF OPERATIONS _____
 STATUS AT _____
 PROGRAM P: _____

*3 - FORMATION DRILLED
 LITHOLOGY : _____
 PROBABLE FORMATION: _____
 SHOWS _____
 GAINS _____
 LOSSES in the hole _____
 Depth: _____
 Volume: _____
 Fluid: _____
 CORES or SIDE WALL CORING
 4 - DEVIATION RECORD

| No | Depth | Deviation | Azimat | No | Depth | Deviation | Azimat |
|------------------------|-------|-----------|--------|----|-------|-----------|--------|
| No From To Recovery: % | | | | | | | |
| No From To % | | | | | | | |
| No From To % | | | | | | | |
| No From To % | | | | | | | |
| No From To % | | | | | | | |

5 - BIT PERFORMANCES

| BIT NUMBER | Operations * | PROGRESS DURING DAY | | | TOTAL per OPERATION | | % DRIVE | BOTTOM HOLE MOTOR | | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ACTION * | TRIPPING PURPOSE * | | | |
|------------|--------------|---------------------|---------------------------------|---------------------------------|---------------------|---|---------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|------|---------------------|-----|------------|-----------|----------------------|---|---|---|---------------|--------------------|---------|--|--|
| | | Starting depth | Footage (FTG) in this operation | Hours including connection time | FTG. | h | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | G | | | Remarks | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

6 - MUD RECORD

TYPE: _____
 S.G. in _____ out _____
 MV mini _____ maxi _____
 ApV _____ PV _____ YP _____
 Gel 0 _____ Gel 10 _____
 API WL _____ HP. HT _____
 PB _____ PF _____
 MF _____ PH _____
 CLNa/Ca Cl₂ _____ g/l

WATER _____ OIL _____
 Oil/water RATIO _____
 Solids _____ % SW _____
 Sand cont. _____ %

ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit)
 WATER (type) _____ : _____ / _____
 Diesel/Oil _____ : _____ / _____
 Barite _____ : _____ / _____
 Cement _____ : _____ / _____

SOLIDS and GAS CONTROL
 EQUIPMENT _____ WORKING HOURS _____ S.G. of EFFLUENT Heavy _____ Light _____
 Desander _____
 Desilter _____
 Degasser _____
 Centrifuge _____
 Shale shaker _____ mesh _____ Losses at surface : _____

OBSERVATIONS _____ EVACUATION _____

7 - ASSEMBLY
 COMPOSITION _____

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG | HOURS | | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|----------|-------|------|---|
| | From | To | |
| 2230 | 2300 | 0:30 | DRILLING FORMATION FROM 784m TO 788m |
| 2300 | 2400 | 1:00 | CIRCULATING - RIG UP TO PERFORM LEAK-OFF TEST |
| | | | DEFINATE COORDINATES |
| | | | LAT 38 DEG 40 MIN 36.8 SEC SOUTH |
| | | | LONG 147 DEG 05 MIN 06.33 SEC EAST |

9 - TIME DISTRIBUTION *
 D Moving D₁ _____ D₂ _____ D₃ _____
 F Drilling casing F₁ _____ F₂ _____ F₃ _____ F₄ _____
 G Formation surveys G₁ _____ G₂ _____ G₃ _____ G₄ _____
 A Interruptions of operations F or G A₁ _____ A₂ _____ A₃ _____ A₄ _____
 C Completion plugging C₁ _____ C₂ _____ C₃ _____ C₄ _____

10 - WEATHER
 Wind Speed _____ Direction _____
 Swell Height _____ Period _____ Direction _____
 Temperature _____
 Current Speed _____ Direction _____
 Roll _____ Pitch _____ Heave _____

MISCELLANEOUS
 1 - People on board: _____
 2 - Supply vessels: _____

12 - HEAD OFFICE COMMENTS

Name and Visa of Drilling engineer: _____

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
BELLANGER

1 - GENERAL INFORMATION
 OR OR OR OR OR OR OR OR OR OR
AAP AUST WAH1 SX SSDC 21/4/84 No 6 φ 121

2 - ABSTRACT
 DEPTH AT END OF DAY **1160 m**
 DEPTH AT BEGINNING OF DAY **788 m**
 PROGRESS (DRILLING - CORING) **372 m**
 TIME (DRILLING - CORING) **19 h 30 mn**
 ABSTRACT OF OPERATIONS **LOT. DRILLING - CIRC FOR SAMPLES DRILLING - CIRC - WIPER TRIP**
 STATUS AT **0600 RUN LOG # 1**
 PROGRAM P: **LOGGING**

LITHOLOGY: **SANDSTONE W/INTERBEDS OF COAL & SHALE IN LATROBE GROUP SANDSTONES - CLAYSTONE - SILTSTONE - SHALE & COAL IN STRZELECKI**
 PROBABLE FORMATION:

SHOWS **NONE**
 GAINS
 LOSSES in the hole
 Depth: **N**
 Volume: **O**
 Fluid: **N**
E

3 - FORMATION DRILLED
 CORES or SIDE WALL CORING
 NO From To Recovery: %
 NO From To %
 NO From To %
 NO From To %
 NO From To %

4 - DEVIATION RECORD

| No | Depth | Deviation | Azimuth | No | Depth | Deviation | Azimuth |
|----|-------|-----------|---------|----|-------|-----------|---------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

5 - BIT PERFORMANCES

| BIT NUMBER | Operations | PROGRESS DURING DAY | | | TOTAL per OPERATION FTG. h | DRIVE | BOTTOM HOLE MOTOR | | | | DRILLING BIT | | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ACTION * | TRIPPING PURPOSE * | | | | |
|------------|------------|---------------------|---------------------------------|---------------------------------|----------------------------|-------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|------|---------------------|-------|------------|-----------------|-------------------|------|----------------------|------|---------|--|---------------|--------------------|--|--|-------|---|
| | | Starting depth | Footage (FTG) in this operation | Hours including connection time | | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB T | Rotary RPM | Flow rate L/MIN | Pump Pressure PST | T | B | G | Remarks | | | | | | | |
| No 3 | F | 788 | 372 | 19 h 30 mn | 376 | 20 | R | | | | | T | HUG | X3A | XA 686 | 12 | 16 | 16 | 16 | 7/15 | 120 | 2000 | 1300 | | | | | | A+M+G | E |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

6 - MUD RECORD

| TYPE: SW / GEL / POLY / LIG / CAUSTIC | | | | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | | | | | | | | | | SOLIDS and GAS CONTROL | | | | | | | | | | | | | | | | |
|---|---|------------------------------|-------------------------------|---|------------|--------------------------------|------------------|--|----------------------------------|--|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| S.G. in 1.08 out 45 | API WL 9.2 HP. HT 18 | WATER 96 OIL 0 | WATER (type) : / | GEL : 2.7 T / 26 T | EQUIPMENT | WORKING HOURS | S.G. of EFFLUENT | | | | | | | | | | | | | | | | | | | | | | | |
| MV mini 42 maxi 45 | PB 15 PF 15 | Oil/water RATIO | Diesel/Oil : / | CELPOL : 0.37 T / - | Desander | 22 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | |
| ApV 4.5 PV 8 YP 13 | MF 0.3 PH 10 | Solids 4 % SW | Barite : 10 T / 167 T | CAUST. : 0.6 T / 12 T | Desilter | 22 | 1.39 | | | | | | | | | | | | | | | | | | | | | | | |
| Gel 0 10 Gel 10 15 | Ca++/Mg++ 120 MG/L | Sand cont. Tr % | Cement : 39.5 T / 43 T | ASH : 0.48 T / 0.7 T | Degasser | 22 | | | | | | | | | | | | | | | | | | | | | | | | |
| | CLNa/CaCl ₂ 17000 g/l | | | STAR. : 0.95 T / 1.23 T | Centrifuge | | | | | | | | | | | | | | | | | | | | | | | | | |
| OBSERVATIONS DAILY COST A\$ 7800 CUMULATIVE COST A\$ 26670 | | | EVACUATION 28 m3 | | | Shale shaker 20x40 mesh | | | Losses at surface : 10 m3 | | | | | | | | | | | | | | | | | | | | | |

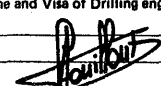
7 - ASSEMBLY
 COMPOSITION **BIT + BS + 14 x 8" DC + JAR + 9 HWDP + HYD SUB + 5" DP**

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG From To | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|------------------|-------|---|
| 0000 0030 | 0:30 | PERFORM LEAK OFF TEST. EQUIV. MUD WEIGHT 1.80 |
| 0030 0730 | 7:00 | DRILLING FROM 788 m TO 879 m |
| 0730 0800 | 0:30 | CIRCULATE BOTTOMS UP FOR SAMPLE |
| 0800 0830 | 0:30 | DRILLING FROM 879m TO 884 m |
| 0830 0900 | 0:30 | CIRCULATE BOTTOMS UP FOR SAMPLE |
| 0900 2100 | 12 | DRILLING FROM 884m TO T.D (1160 m) |
| 2100 2200 | 1:00 | CIRCULATE AND CONDITION MUD |
| 2200 2300 | 1:00 | P.O.O.H TO 780 m |
| 2300 2400 | 1:00 | R.T.H FOR CONTROL TRIP BEFORE LOGGING |
| | | PUMP NO.1 : 30 SPM, 180 PSI, 40 SPM, 250 PSI |
| | | PUMP NO.2 : 30 SPM, 150 PSI, 40 SPM, 230 PSI |

9 - TIME DISTRIBUTION *
 10 - WEATHER
 11 - MISCELLANEOUS

| D Moving | F Drilling casing | G Formation surveys | A Interruptions of operations F or G | C Completion plugging | TIME | WIND | | SWELL | | CURRENT | | Roll | Pitch | Heave | UNIT |
|----------------|----------------------|---------------------|--------------------------------------|-----------------------|------|-------|-----------|--------|--------|-----------|-------------|------|-------|-------|------|
| | | | | | | Speed | Direction | Height | Period | Direction | Temperature | | | | |
| D ₁ | F ₁ 19:30 | G ₁ | A ₁ | C ₁ | MAX | 40 | 180 | 6.6 | 7 | 16 | 0.1 | 4 | 5 | 1.5 | Kt |
| D ₂ | F ₂ | G ₂ | A ₂ | C ₂ | | | | | | | | | | | o |
| D ₃ | F ₃ 1:30 | G ₃ | A ₃ | C ₃ | | | | | | | | | | | o |
| | F ₄ | G ₄ 3:00 | A ₄ | C ₄ | | | | | | | | | | | o |
| | | | | | | | | | | | | | | | o |
| | | | | | | | | | | | | | | | o |
| | | | | | | | | | | | | | | | o |
| | | | | | | | | | | | | | | | o |
| | | | | | | | | | | | | | | | o |
| | | | | | | | | | | | | | | | o |
| | | | | | | | | | | | | | | | o |

12 - HEAD OFFICE COMMENTS
USED STOCK
FUEL: 8 T 356 T
PW: 12T 92 T
DW: 68 T 114 T
REC'D 114 T
 Name and Visa of Drilling engineer:


DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
BELLANGER

1 - GENERAL INFORMATION
 OR COUNTRY OR OR OR OR OR OR
AAP AUST WAH1 S.X SSDC 22.4.84 No 7 φ 12 1/4

2 - ABSTRACT
 DEPTH AT END OF DAY TD **1160 m**
 DEPTH AT BEGINNING OF DAY _____
 PROGRESS (DRILLING - CORING) _____
 TIME (DRILLING - CORING) _____ h _____ mn
 ABSTRACT OF OPERATIONS **CIRC. - SURVEY - LOGGING - WIPER**
TRIP - CIRC. - P.O.O.H - LOGGING
 STATUS AT **0630: CIRC BEFORE CMT PLUG NO.1**
 PROGRAM P: **PLUGGING AND ABANDON**

3 - FORMATION DRILLED
 LITHOLOGY : _____
 PROBABLE FORMATION : _____
 SHOWS _____
 GAINS _____
 LOSSES in the hole _____
 Depth: _____
 Volume: _____
 Fluid: _____

4 - DEVIATION RECORD

| No | Depth | Deviation | Azimut | No | Depth | Deviation | Azimut |
|----|-------|-----------|--------|----|-------|-----------|--------|
| | | | | | | | |
| 4 | 1160 | 1° | | | | | |

5 - BIT PERFORMANCES

| BIT NUMBER | PROGRESS DURING DAY | | | | TOTAL per OPERATION | | * DRIVE | BOTTOM HOLE MOTOR | | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ACTION * | TRIPPING PURPOSE * | |
|------------|---------------------|----------------|---------------------------------|---------------------------------|---------------------|----|---------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|------|---------------------|-----|------------|-----------|----------------------|------|---|---|---------------|--------------------|---------|
| | Operations * | Starting depth | Footage (FTG) in this operation | Hours including connection time | FTG. | h | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | G | | | Remarks |
| No 3 | | | | h mn | 376 | 20 | | | | | HUG | X3A | XA686 | 12 1/4 | 16 | 16 | 16 | 7/15 | 120 | 2000 | 1300 | 4 | 4 | T | A+M+G | E |

6 - MUD RECORD

| TYPE: SW / GEL / POLY / LIG / CAUST | | | | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | | | | | | | | SOLIDS and GAS CONTROL | | | | | | | | | | | |
|---|------------------|---|--|---|----------------------|--------------------|-------|-------|-------|-------------------------|-------|------------------------|-------|-------------------------|-------|-------|-------|-----------------------------|---------------|------------------|-------|-------------------------------|--|
| S.G. in 1.08 | out 1.08 | API WL 9.5 | HP. HT 17 | WATER 96 | OIL 0 | WATER (type) _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | EQUIPMENT | WORKING HOURS | S.G. of EFFLUENT | | | |
| MV mini _____ | maxi 45 | PB 0.7 | PF 0.2 | Oil/water RATIO _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | Desander | 1.0 | 1.20 | Heavy | Light | |
| ApV 15 | PV 9 | YP 12 | MF 0.3 | PH 9 | Solids 4 % SW | Diesel/Oil _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | Desilter | 1.0 | 1.12 | | | |
| Gel 0 5 | Gel 10 11 | Ca ⁺⁺ /SO ₄ Ca 120 ppm | CLNa/Ca Cl ₂ 16000 ppm g/l | Sand cont. Tr % | Cement _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | Degasser | | | | | |
| OBSERVATIONS CUMULATIVE COST A\$ 26670 | | | | | | | | | | EVACUATION 40 m3 | | | | Centrifuge 40x20 | | | | Shale shaker 60 mesh | | | | Losses at surface 3 m3 | |

7 - ASSEMBLY
 COMPOSITION **SAME AS REPORT NO.6**

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG | HOURS | | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|----------|-------|------|--|
| | From | To | |
| 0000 | 0100 | 1:00 | CIRCULATES BOTTOM UP, SPUDDED 5 BBL HI VLS MUD DROPPED TOTCO |
| 0100 | 0330 | 2:30 | P.O.O.H |
| 0330 | 0400 | 0:30 | RIG UP SCHLUMBERGER |
| 0400 | 1300 | 9:00 | RUN # 1 ISF - BHC - MSFL - GR # 2 LDT - CNT - GR # 3 HDT |
| 1300 | 1330 | 0:30 | RIG DOWN SCHLUMBERGER |
| 1330 | 1530 | 2:00 | R.I.H W/BIT. NO FILL |
| 1530 | 1600 | 0:30 | CIRCULATED BOTTOM UP |
| 1600 | 1800 | 2:00 | P.O.O.H |
| 1800 | 1830 | 0:30 | RIG UP SCHLUMBERGER |
| 1830 | 2400 | 5:30 | RUN # 4 WSS |

9 - TIME DISTRIBUTION *

| D | Moving | D ₁ | D ₂ | D ₃ | F | Drilling casing | F ₁ | F ₂ | F ₃ | F ₄ | G | Formation surveys | G ₁ | G ₂ | G ₃ | G ₄ | 24 | 10 - WEATHER | | | |
|---|--------|----------------|----------------|----------------|---|-----------------|----------------|----------------|----------------|----------------|---|-------------------|----------------|----------------|----------------|----------------|----|---------------|-----------|------|----|
| | | | | | | | | | | | | | | | | | | TIME | MAX | UNIT | |
| | | | | | | | | | | | | | | | | | | Wind | Speed | 25 | Kt |
| | | | | | | | | | | | | | | | | | | Swell | Direction | 050 | ° |
| | | | | | | | | | | | | | | | | | | | Height | 2.4 | m |
| | | | | | | | | | | | | | | | | | | Current | Period | 7 | s |
| | | | | | | | | | | | | | | | | | | | Direction | 240 | ° |
| | | | | | | | | | | | | | | | | | | Temperature | 17 | °C | |
| | | | | | | | | | | | | | | | | | | Miscellaneous | Speed | 0.9 | Kt |
| | | | | | | | | | | | | | | | | | | | Direction | 040 | ° |
| | | | | | | | | | | | | | | | | | | Roll | 0.8 | ° | |
| | | | | | | | | | | | | | | | | | | Pitch | 0.8 | ° | |
| | | | | | | | | | | | | | | | | | | Heave | 0.5 | m | |

12 - HEAD OFFICE COMMENTS

USED STOCKS

FUEL: 6 350 T

DW 43 T 254 T

RECEIVED 183 T

PW 9 T 83 T

1 - People on board:
AAP 5, SX 49, SERV 17

2 - Supply vessels:
CORAL J

Name and Visa of Drilling engineer:
[Signature]

| | | | | | | | | | | |
|-------------------------|-----|-------------|-------|-----|------|---------|-------|---|-----------------------|--|
| 1 - GENERAL INFORMATION | FOR | COUNTRY FOR | WAH 1 | S.X | SSDC | 23/4/84 | No 1C | C | DAILY DRILLING REPORT | OPERATOR'S REPRESENTATIVE BELLANGER |
|-------------------------|-----|-------------|-------|-----|------|---------|-------|---|-----------------------|--|

| | | | | | | |
|--|--|--|---------------------|-------|-------|---------------------|
| 2 - ABSTRACT | DEPTH AT END OF DAY T.D 1160 m | *3 - FORMATION DRILLED | LITHOLOGY : | SHOWS | GAINS | LOSSES in the hole. |
| | DEPTH AT BEGINNING OF DAY | | | | | |
| | PROGRESS (DRILLING - CORING) | | PROBABLE FORMATION: | | | |
| | TIME (DRILLING - CORING) h _____ mn | | | | | |
| ABSTRACT OF OPERATIONS <u>LOGGING - RIH STINGER. SET CMT PLUG # 1&2 I/DOWN DC & DP - SURFACE CMT PLUG - POOH STINGER - WASH WELLHEAD</u> | | CORES <input type="checkbox"/> or SIDE WALL CORING <input checked="" type="checkbox"/> | | | | |
| STATUS AT <u>0600: P.O.O.H BOP STACK</u> | | No 1 From <u>800</u> To <u>1150</u> Recovery: <u>98</u> % | | | | |
| PROGRAM P: <u>P.O.O.H BOP'S CUT 20" CASING</u> | | No _____ From _____ To _____ Recovery: _____ % | | | | |
| | | No _____ From _____ To _____ Recovery: _____ % | | | | |
| | | No _____ From _____ To _____ Recovery: _____ % | | | | |
| | | No _____ From _____ To _____ Recovery: _____ % | | | | |

| 5 - BIT PERFORMANCES | BIT NUMBER | PROGRESS DURING DAY | | | | TOTAL per OPERATION | | BOTTOM HOLE MOTOR | | | | DRILLING BIT | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ACTION * | TRIPPING PURPOSE * | | |
|----------------------|------------|---------------------|----------------|---------------------------------|---------------------------------|---------------------|---|-------------------|---------------|---|-----------------|--------------|----------------------|---------------------|---------------|------------|---------------------|-----|------------|----------------------|---------------|---|---|---------------|--------------------|---|---------|
| | | Operators * | Starting depth | Footage (FTG) in this operation | Hours including connection time | FTG. | h | * DRIVE | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | | | G | Remarks |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|----------------|---|---|--|
| 6 - MUD RECORD | TYPE: | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | SOLIDS and GAS CONTROL |
| | S.G. in _____ out _____ | WATER (type) _____ | EQUIPMENT |
| | MV mini _____ maxi _____ | WATER _____ OIL _____ | WORKING HOURS |
| | APV _____ PV _____ YP _____ | Oil/water RATIO _____ | S.G. of EFFLUENT Heavy _____ Light _____ |
| | Gel 0 _____ Gel 10 _____ | Diesel/Oil _____ | Desander 5 1.2 |
| | CLNa/Ca Cl ₂ _____ g/l | Barite _____ | Desilter 5 1.17 |
| | | Cement <u>U28T R143T S158T</u> | Degasser _____ |
| | OBSERVATIONS <u>DAILY COST A\$ 79.00 CUMULATIVE COST A\$ 29,234</u> | EVACUATION _____ | Centrifuge _____ |
| | | | Shale shaker <u>20x40</u> mesh |
| | | | Losses at surface: _____ |

| | | | | | | | | | | | | | | | | |
|--------------|-------------------|--|------------------------------|----------|--|--|-------------------------|---|--------|----------------------|--------------|--|-------|------|---|-----------------|
| 7 - ASSEMBLY | COMPOSITION _____ | | 8 - CHRONOLOGY OF OPERATIONS | TIME LOG | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS | 9 - TIME DISTRIBUTION * | D | Moving | D ₁ _____ | 10 - WEATHER | TIME | MAX | UNIT | 12 - HEAD OFFICE COMMENTS | |
| | | | | From To | | | | | | | | | | | | |
| | | | 0000 0300 | 3:00 | LOGGING (SIDE WALL CORING) 50 CLABS OK 1 EMPTY (98% RECOVERY 51 SHOTS) | | | | | | | Wind | Speed | 50 | Kt | USED STOCK |
| | | | 0300 0630 | 3:30 | MAKE UP TUBING - R.I.H W/DP 1160 mts | | | | | | | Direction | 270 | ° | FUEL: 8 T 342 T | |
| | | | 0630 0730 | 1:00 | CIRC - PULL BACK 4 STDS | | | | | | | Height | 3 | m | | DW : 98 T 156 T |
| | | | 0730 0800 | 0:30 | CMT FROM 1122m TO 1020m (10T CMT CLASS G + 2% CACL2) | | | | | | | Period | | | PW : - 83 T | |
| | | | 0800 0900 | 1:00 | P.O.O.H 4 STDS CIRC. | | | | | | | Direction | 290 | ° | | |
| | | | 0900 0930 | 0:30 | PULL BACK TO 820 m | | | | | | | Temperature | 19 | °C | | |
| | | | 0930 1000 | 0:30 | CIRCULATE | | | | | | | Speed | 1 | Kt | | |
| | | | 1000 1030 | 0:30 | CMT PLUGS FROM 830m TO 730m (10T CMT CLASS G + 2% CACL2) | | | | | | | Direction | 180 | ° | | |
| | | | 1030 1130 | 1:00 | P.O.O.H 4 STDS CIRC. | | | | | | | Roll | 0.8 | ° | | |
| | | | 1130 1930 | 8:00 | LAY DOWN D.P + D.C 8" + 9 3/4" | | | | | | | Pitch | 0.9 | ° | | |
| | | | 1930 2000 | 0:30 | TEST CMT PLUG TO 1000 PST | | | | | | | Heave | 0.3 | m | | |
| | | | 2000 2100 | 1:00 | R.I.H STINGER TO 150 m | | | | | | | 1 - People on board: AAP 3, SX 49, SERV12 | | | TOTAL = 64 | |
| | | | 2100 2200 | 1:00 | CMT PLUG FROM 152m to 80m (7T CEMENT + 2% CACL2) | | | | | | | 2 - Supply vessels: LADY SONIA CORAL J | | | Name and Visa of Drilling engineer: | |
| | | | 2200 2230 | 0:30 | P.O.O.H TO 76m | | | | | | | MISCELLANEOUS | | | | |
| | | | 2230 2330 | 1:00 | CIRC BOTTOM UP - AND LAID DOWN STINGER | | | | | | | C ₁ 21 | | | | |
| | | | 2330 2400 | 0:30 | R.I.H WASH WELLHEAD | | | | | | | C ₂ | | | | |
| | | | | | | | | | | | | C ₃ | | | | |
| | | | | | | | | | | | | C ₄ | | | | |

1 - GENERAL INFORMATION

ATOR, COUNTRY, L, TOR, T, E, AAP, AUST, WAH 1, S, X, SSDC 24/4/84, No 2C, C

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE: BELLANGER

2 - ABSTRACT

DEPTH AT END OF DAY, DEPTH AT BEGINNING OF DAY, PROGRESS (DRILLING - CORING), TIME (DRILLING - CORING), ABSTRACT OF OPERATIONS WASH BOP - R.I.H W/CASING CUTTER, CUT 13-3/8" CSG - R.I.H CASING SPEAR & POOH 13-3/8" CSG - PULL BOP - CUT 20" CSG & PULL TGB & PGB, STATUS AT 0600: W.O.W - DEBALLAST RIG, PROGRAM P: PULL ANCHORS & TOWING

LITHOLOGY, PROBABLE FORMATION, SHOWS, GAINS, LOSSES in the hole, CORES or SIDE WALL CORING, DEVIATION RECORD

3 - BIT PERFORMANCES

Table with columns: BIT NUMBER, OPERATORS, Starting depth, Footage (FTG) in this operation, Hours including connection time, TOTAL per OPERATION, DRIVE, BOTTOM HOLE MOTOR, DRILLING BIT, PARAMETERS, DULL BIT CONDITION, FORMATION, TRIPPING PURPOSE

6 - MUD RECORD

TYPE, S.G. in, out, MV mini, maxi, ApV, PV, YP, Gel 0, Gel 10, API WL, HP, HT, PB, PF, MF, PH, Ca++/SO4 Ca, CLNa/Ca Cl2, WATER OIL, Oil/water RATIO, Solids % SW, Sand cont. %, ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK, SOLIDS and GAS CONTROL, OBSERVATIONS, EVACUATION

7 - ASSEMBLY

COMPOSITION

8 - CHRONOLOGY OF OPERATIONS

Table with columns: TIME LOG (From, To), HOURS, DETAILS OF OPERATION IN SEQUENCE AND REMARKS

9 - TIME DISTRIBUTION

Table with columns: D (Moving), F (Drilling casing), G (Formation surveys), A (Interruptions of operations), C (Completion plugging)

10 - WEATHER

Table with columns: TIME, MAX, UNIT, Wind (Speed, Direction, Height, Period, Direction), Temperature, Current (Speed, Direction), Roll, Pitch, Heave

12 - HEAD OFFICE COMMENTS, USED STOCK, FUEL: 8T 334 T, DW 15T 14 T, PW (+15T) 98 T, TOTAL 65, Name and Visa of Drilling engineer

| | | | | | | | | | |
|-------------------------|-----|------|-------|-----|------|---------|-------|----|----|
| 1 - GENERAL INFORMATION | OR | RY | OR | OR | OR | OR | OR | OR | OR |
| | AAP | AUST | WAH 1 | S.X | SSDC | 25/4/84 | No 3D | ↓ | D |

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
BELLANGER

2 - ABSTRACT

DEPTH AT END OF DAY

DEPTH AT BEGINNING OF DAY

PROGRESS (DRILLING - CORING)

TIME (DRILLING - CORING) h mn

ABSTRACT OF OPERATIONS DEBALLAST RIG - W.O.W

STATUS AT 0800 START TO PULL ANCHORS

PROGRAM P: PULL ANCHORS & TOWING

*3 - FORMATION DRILLED

LITHOLOGY: _____

PROBABLE FORMATION: _____

CORES or SIDE WALL CORING

No From To Recovery: %

No From To %

No From To %

No From To %

No From To %

4 - DEVIATION RECORD

| No | Depth | Deviation | Azimuth | No | Depth | Deviation | Azimuth |
|----|-------|-----------|---------|----|-------|-----------|---------|
| | | | | | | | |
| | | | | | | | |

| BIT NUMBER | PROGRESS DURING DAY | | | | TOTAL per OPERATION | | | % DRIVE | BOTTOM HOLE MOTOR | | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | | FORMATION * | TRIPPING PURPOSE * |
|------------|---------------------|----------------|---------------------------------|---------------------------------|---------------------|---|--|---------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|------|--------------------|-----|------------|-----------|----------------------|---|---|---|---------|-------------|--------------------|
| | Operators * | Starting depth | Footage (FTG) in this operation | Hours including connection time | FTG. | h | | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | G | Remarks | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | | | | | | | | | | | | | | | | | | | | | | | | |

6 - MUD RECORD

TYPE: _____

S.G. in _____ out _____

MV mini _____ maxi _____

ApV _____ PV _____ YP _____

Gel 0 _____ Gel 10 _____

API WL _____ HP. HT _____

PB _____ PF _____

MF _____ PH _____

Ca⁺⁺/SO₄ Ca _____

CLNa/Ca Cl₂ _____ g/l

WATER _____ OIL _____

Oil/water RATIO _____

Solids _____ % SW _____

Sand cont. _____ % _____

ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit)

WATER (type) _____ / _____

Diesel/Oil _____ / _____

Barite _____ / _____

Cement _____ / _____

SOLIDS and GAS CONTROL

EQUIPMENT WORKING HOURS S.G. of EFFLUENT

Desander _____ Heavy _____ Light _____

Desilter _____

Degasser _____

Centrifuge _____

Shale shaker _____ mesh Losses at surface _____

7 - ASSEMBLY

COMPOSITION _____

| 8 - CHRONOLOGY OF OPERATIONS | TIME LOG | | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|------------------------------|----------|------|--------|--|
| | From | To | | |
| | 0000 | 0330 | 3:30 | DEBALLAST RIG |
| | 0330 | 2400 | 20 1/2 | W.O.W |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

9 - TIME DISTRIBUTION *

| Category | Sub-category | Time |
|----------|------------------------------------|----------------------|
| D | Moving | D ₁ 3:30 |
| | | D ₂ 20:30 |
| | | D ₃ |
| | | D ₄ |
| | | |
| F | Drilling casing | F ₁ |
| | | F ₂ |
| | | F ₃ |
| | | F ₄ |
| | | |
| G | Formation surveys | G ₁ |
| | | G ₂ |
| | | G ₃ |
| | | G ₄ |
| | | |
| A | Interruptions of operations F or G | A ₁ |
| | | A ₂ |
| | | A ₃ |
| | | A ₄ |
| | | |
| C | Completion plugging | C ₁ |
| | | C ₂ |
| | | C ₃ |
| | | C ₄ |

10 - WEATHER

| TYPE | MAX | UNIT |
|-------------------|-----|------|
| Wind Speed | 22 | Kt |
| Wind Direction | 230 | ° |
| Height | 3 | m |
| Period | 7 | sec |
| Direction | 230 | ° |
| Temperature | 14 | °C |
| Current Speed | 0.6 | Kt |
| Current Direction | 250 | ° |
| Roll | .1 | θ |
| Pitch | .1 | ° |
| Heave | 0.6 | m |

1 - People on board: AAP 3, SERV 11, SS 50

2 - Supply vessels: LADY SALLY, BASS TIDE

TOTAL = 64

Name and Visa of Drilling Engineer:

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE
BELLANGER

1 - GENERAL INFORMATION

FOR COUNTRY OR WAH 1 SX SSDC 26/4/84 No 4 D MOVING

2 - ABSTRACT

DEPTH AT END OF DAY _____
 DEPTH AT BEGINNING OF DAY _____
 PROGRESS (DRILLING - CORING) _____
 TIME (DRILLING - CORING) _____ h _____ mn
 ABSTRACT OF OPERATIONS W.O.W PULL ANCHORS - TOWING

STATUS AT 2400 27/4/84 - RIG RELEASED TO ESSO

PROGRAM P: _____

***3 - FORMATION DRILLED**

LITHOLOGY : _____

 PROBABLE FORMATION: _____

SHOWS

GAINS

LOSSES in the hole
 Depth: _____
 Volume: _____
 Fluid: _____

4 - DEVIATION RECORD

CORES or SIDE WALL CORING

| No | From | To | Recovery: % |
|----|------|----|-------------|
| No | From | To | Recovery: % |
| No | From | To | Recovery: % |
| No | From | To | Recovery: % |
| No | From | To | Recovery: % |

| No | Depth | Deviation | Azimuth | No | Depth | Deviation | Azimuth |
|----|-------|-----------|---------|----|-------|-----------|---------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

5 - BIT PERFORMANCES

| BIT NUMBER | PROGRESS DURING DAY | | | | TOTAL per OPERATION FTG. h | * DRIVE | BOTTOM HOLE MOTOR | | DRILLING BIT | | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ACTION * | TRIPPING PURPOSE * |
|------------|---------------------|----------------|---------------------------------|---------------------------------|----------------------------|---------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|------|---------------------|-----|------------|-----------|----------------------|---|---|---|---------------|--------------------|
| | Operations * | Starting depth | Footage (FTG) in this operation | Hours including connection time | | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | G | | |
| No | | | | h mn | | | | | | | | | | | | | | | | | | | | |
| No | | | | h mn | | | | | | | | | | | | | | | | | | | | |
| No | | | | h mn | | | | | | | | | | | | | | | | | | | | |
| No | | | | h mn | | | | | | | | | | | | | | | | | | | | |

6 - MUD RECORD

| TYPE: | | | | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | | | | SOLIDS and GAS CONTROL | | | | | | | |
|-----------------------------|--|--------------|-----------------------|---|----------------------------|--|--|-------------------------|--|---------------|--|-------------------------|-------|--|--|
| S.G. in _____ out _____ | API WL _____ | HP. HT _____ | WATER _____ | OIL _____ | WATER (type) _____ / _____ | | | EQUIPMENT | | WORKING HOURS | | S.G. of EFFLUENT | | | |
| MV mini _____ maxi _____ | PB _____ | PF _____ | Oil/water RATIO _____ | | | | | Desander | | | | Heavy | Light | | |
| ApV _____ PV _____ YP _____ | MF _____ | PH _____ | Solids _____ % SW | | Diesel/Oil _____ / _____ | | | Desilter | | | | | | | |
| Gel 0 _____ Gel 10 _____ | Ca ⁺⁺ /SO ₄ Ca _____ | | Sand cont. _____ % | | Barite _____ / _____ | | | Degasser | | | | | | | |
| | CLNa/Ca Cl ₂ _____ | g/l | | | Cement _____ / _____ | | | Centrifuge | | | | | | | |
| OBSERVATIONS _____ | | | | EVACUATION _____ | | | | Shale shaker _____ mesh | | | | Losses at surface _____ | | | |

7 - ASSEMBLY

COMPOSITION _____

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG From To | HOURS | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|------------------|-------|--|
| 0000 0800 | 8:00 | W.O.W |
| 0800 1900 | 11 | PULL ANCHORS |
| 1900 2400 | 5:00 | SOUTHERN CROSS UNDER TOW (5 KNTS) |
| | | |
| | | |
| | | |
| | | |
| | | |

9 - TIME DISTRIBUTION *

| D | Moving | D ₁ | 16:00 |
|---|------------------------------------|----------------|-------|
| | | D ₂ | 8:00 |
| | | D ₃ | |
| | | D ₄ | |
| F | Drilling casing | F ₁ | |
| | | F ₂ | |
| | | F ₃ | |
| | | F ₄ | |
| G | Formation surveys | G ₁ | |
| | | G ₂ | |
| | | G ₃ | |
| | | G ₄ | |
| A | Interruptions of operations F or G | A ₁ | |
| | | A ₂ | |
| | | A ₃ | |
| | | A ₄ | |
| C | Completion plugging | C ₁ | |
| | | C ₂ | |
| | | C ₃ | |
| | | C ₄ | |

10 - WEATHER

| TIME | MAX | UNIT |
|---------------|-----|------|
| Wind Speed | 22 | Kt |
| Direction | 300 | o |
| Height | 12 | m |
| Swell Period | 6 | sec |
| Direction | 230 | o |
| Temperature | 17 | oC |
| Current Speed | 0.8 | Kt |
| Direction | 030 | o |
| Roll | 1.5 | o |
| Pitch | 2.5 | o |
| Heave | | |

MISCELLANEOUS

1 - People on board:
AAP 1, SSDC 40, SERV 10

2 - Supply vessels:
LADY SALLY
BASS TIDE

12 - HEAD OFFICE COMMENTS

FUEL OIL: 4T * 331T

POT. WATER Making i
+10T 105'

DRILL WATER * 142'
CORRECTED *

ESSO 2: TOTAL 61

Name and Visa of Drilling engineer:
[Signature]

1 - GENERAL INFORMATION

TOR: _____ TRY FOR: _____ L: _____ TOR: _____ T: _____

AAP AUST WAH 1 SX: SSDC 27/4/84 No 5 D MOVING

DAILY DRILLING REPORT

OPERATOR'S REPRESENTATIVE: BELLANGER

2 - ABSTRACT

DEPTH AT END OF DAY _____

DEPTH AT BEGINNING OF DAY _____

PROGRESS (DRILLING - CORING) _____

TIME (DRILLING - CORING) _____ h _____ mn

ABSTRACT OF OPERATIONS **TOWING**

STATUS AT _____

PROGRAM P: _____

***3 - FORMATION DRILLED**

LITHOLOGY: _____

PROBABLE FORMATION: _____

| SHOWS | | | | GAINS | | | | LOSSES in the hole | | | |
|---------------|--|--|--|-------|--|--|--|--------------------|--|--|--|
| | | | | | | | | | | | |
| Depth: _____ | | | | | | | | | | | |
| Volume: _____ | | | | | | | | | | | |
| Fluid: _____ | | | | | | | | | | | |

| CORES <input type="checkbox"/> | | or | | SIDE WALL CORING <input type="checkbox"/> | | 4 - DEVIATION RECORD | No | Depth | Deviation | Azimuth | No | Depth | Deviation | Azimuth | |
|--------------------------------|------|----|--|---|--|----------------------|----|-------|-----------|---------|----|-------|-----------|---------|--|
| No | From | To | | Recovery: % | | | | | | | | | | | |
| No | From | To | | % | | | | | | | | | | | |
| No | From | To | | % | | | | | | | | | | | |
| No | From | To | | % | | | | | | | | | | | |

5 - BIT PERFORMANCE

| BIT NUMBER | PROGRESS DURING DAY | | | | TOTAL per OPERATION FTG. h | * DRIVE | BOTTOM HOLE MOTOR | | | DRILLING BIT | | | | | PARAMETERS | | | | DULL BIT CONDITION * | | | | FORM-ATION * | TRIPPING PURPOSE * | | | |
|------------|---------------------|----------------|---------------------------------|---------------------------------|----------------------------|---------|-------------------|---|-----------------|--------------|----------------------|---------------------|---------------|------|---------------------|-----|------------|-----------|----------------------|---|---|---|--------------|--------------------|---------|--|--|
| | Operators * | Starting depth | Footage (FTG) in this operation | Hours including connection time | | | MFG. and Type | φ | Cumulation h mn | Bit design * | Manufacturing MFG. * | IADC code or Type * | Serial number | φ in | Nozzles in 1/32 nds | WOB | Rotary RPM | Flow rate | Pump Pressure | T | B | G | | | Remarks | | |
| No | | | | h mn | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | h mn | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | h mn | | | | | | | | | | | | | | | | | | | | | | | |
| No | | | | h mn | | | | | | | | | | | | | | | | | | | | | | | |

6 - MUD RECORD

| TYPE: | | | ADDED PRODUCTS (MUD and CHEMICALS) AND STOCK (measuring unit) | | | | SOLIDS and GAS CONTROL | | | | | | | |
|-----------------------------|--|--------------|---|-----------|--------------------|-------|------------------------|-------|-------------------------|------------|---------------|--------------------------|-------|--|
| S.G. in _____ out _____ | API WL _____ | HP. HT _____ | WATER _____ | OIL _____ | WATER (type) _____ | _____ | _____ | _____ | _____ | EQUIPMENT | WORKING HOURS | S.G. of EFFLUENT | | |
| MV mini _____ maxi _____ | PB _____ | PF _____ | Oil/water RATIO _____ | _____ | _____ | _____ | _____ | _____ | _____ | Desander | | Heavy | Light | |
| ApV _____ PV _____ YP _____ | MF _____ | PH _____ | Solids _____ % SW | _____ | Diesel/Oil _____ | _____ | _____ | _____ | _____ | Desilter | | | | |
| Gel 0 _____ Gel 10 _____ | Ca ⁺⁺ /SO ₄ Ca _____ | _____ | Sand cont. _____ % | _____ | Barite _____ | _____ | _____ | _____ | _____ | Degasser | | | | |
| | CLNa/Ca Cl ₂ _____ | g/l | _____ | _____ | Cement _____ | _____ | _____ | _____ | _____ | Centrifuge | | | | |
| OBSERVATIONS _____ | | | EVACUATION _____ | | | | | | Shale shaker _____ mesh | | | Losses at surface: _____ | | |

7 - ASSEMBLY

COMPOSITION _____

8 - CHRONOLOGY OF OPERATIONS

| TIME LOG | HOURS | | DETAILS OF OPERATION IN SEQUENCE AND REMARKS |
|----------|-------|-----|---|
| | From | To | |
| 0000 | 0245 | 245 | TOWING |
| | | | - RIG RELEASED AT 0245 HRS ON 27/4/84 TO ESSO WHEN SOUTHERN CROSS WAS 46 NAUTICAL MILES OFF WYRALLAH LOCATION |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

9 - TIME DISTRIBUTION *

| D | | F | | G | | A | | C | |
|--------|---------------------|-----------------|----------------|-------------------|----------------|------------------------------------|----------------|---------------------|----------------|
| Moving | D ₁ 2.45 | Drilling casing | F ₁ | Formation surveys | G ₁ | Interruptions of operations F or G | A ₁ | Completion plugging | C ₁ |
| | D ₂ | | F ₂ | | G ₂ | | A ₂ | | C ₂ |
| | D ₃ | | F ₃ | | G ₃ | | A ₃ | | C ₃ |
| | | | F ₄ | | G ₄ | | A ₄ | | C ₄ |

10 - WEATHER

| TIME | MAX | UNIT |
|-------------|-----|------|
| Wind | | |
| Speed | | |
| Direction | | |
| Height | | |
| Period | | |
| Direction | | |
| Temperature | | |
| Current | | |
| Speed | | |
| Direction | | |
| Roll | | |
| Pitch | | |
| Heave | | |

12 - HEAD OFFICE COMMENTS

USED STOCK

FUEL: 5T 326 T

DW 1 T 144 T

PW 8 T 97 T

MISCELLANEOUS

1 - People on board: AAP 1 SERV 10 SX 40

2 - Supply vessels: LADY SALLY

Name and Visa of Drilling Engineer: