# Natural Resources and Environment

AGRICULTURE • RESOURCES • CONSERVATION • LAND MANAGEMENT

# BREAM 4



WELL SUMMARY

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1 Folio No	2 Referred to	3 Date	4 Clearing Officer's Initials	1 Folio No.	2 Referred to	3 Date	4 Clearing Officer's Initials
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#### FILE COVER INSTRUCTIONS FOR ACTION OFFICERS

- (1) FOLIO NUMBERS: Each subject paper attached to a file is to be given a consecutive number by the attaching officer. Papers must not be removed from or attached to a file without approval.
- (2) REFERRAL TO OTHER OFFICERS: When an Officer completes action on the file and further action is required by some other Officer, please initial Column (4) and on the next vacant line, enter the relevant folio number in Column (1), indicate to whom the file is to be forwarded in Column (2) and record the date in Column (3).
- (3) BRING UP MARKINGS: When action on a file is required at a later date, the officer will initial Column (4) and, on the next vacant line, enter the relevant folio number in Column (1), then write "B/U" followed by the action officer's name in Column (2) and the date the file is required in Column (3).
- (4) PUTAWAY MARKINGS: When ALL action on a file is completed the officer concerned will initial Column (4) and, on the next vacant line, write "P/A" in column (2).

REGISTRY MUST BE NOTIFIED OF ANY FILE MOVEMENTS BETWEEN OFFICERS

OCATION

EARLIER FILES	LATER FILES		RECORDS DISPOSITION		
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File No.			Subject		
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	SYMBOLS F	OR AC	TION OFFICER	RS	
EXECUTIVE			PERFORMANCE	EVALUATION	
Secretary Deputy Secretary Executive Director Portfolio Management Executive Director Performance Evaluation Executive Director Primary Industries and Chief Scientist Executive Director Catchment Mgt & Sustainable Agriculture		SEC DS EDPM EDPE EDPI,CS EDCMSA	Chief Economist Manager Internal Audit Manager Strategic Qual	& Risk Mgt Policy	CE MIARMP MSQA
Executive Director Minerals and Petroleum Executive Director Forests Service Executive Director Parks, Flora and Fauna Executive Director Land Victoria Executive Director Regional Services		EDMP EDFS EDPF EDLV EDRS	AGRICULTURE  Program Manager Pest Director Catchment & W Director Sustainable De Director Office of Rural Director Natural Resour	/ater Resources velopment Affairs	PMPPA DCWR DSD DORA DNRP
CORPORATE MANAGEME General Manager Corporate Services	NT	GMCS	FORESTS SERV	ICE	
Chief Finance Officer Manager Information Technology Strate Director Capital Policy Director Human Resources Director Planning & Budget Director Information Technology & Tele	CFNO MITS DCP DHR DPB DITT	Manager Commercial For Chief Fire Officer Manager Forest Manager Manager Regional Forest PARKS, FLORA	ement sts Agreements	MCF CFO MFM MRFA	
Director Business Reform Manager Business Improvement Manager Administrative Policy & Proce Manager Metropolitan Administrative O Manager Corporate Communications & Manager Electronic Information Service	DBR MBI MAPP MMAO MCCI MEIS	Manager Parks & Reser Manager Business Man Manager Flora & Fauna Manager Coasts & Ports	ves agement Parks, Flora & Fauna s	MPR MBMPFF MFF MCP	
Manager Library & Information Services  MINERALS AND PETROLE		MLIS	LAND VICTORIA  Director Geospatial Info		DGI
Manager Petroleum Development Manager Geological Survey Victoria Manager Mineral & Petroleum Operatio Manager Minerals Development Manager Extractive Industries	MPD MGSV MMPO MMD MEI	Director Resources & Re Surveyor General Valuer General Director Land Registry Director Crown Land Ma		DRR SG VG DLR DCLM	
Manager Minerals & Petroleum Titles	Nuice.	MMPT	PORTFOLIO MA  Director Water Agencies		DWA
PRIMARY INDUSTRIES & C SCIENTIST  Manager Chemical Standards Branch Manager Plant Standards Chief Veterinary Officer Director Bureau of Animal Welfare Director Fisheries Director Quality Assurance Director Agribusiness	MCSB MPS CVO DBAW DF DQA DA	Manager Portfolio Coord Manager Environmental Manager Policy Support Director Media	lination Policy	MPC MEP MPOS DM	

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# W749

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- 3.0 Structure Map Top "Coarse Clastics" (area in vicinity of reservior has been depth migrated).

9 Fred, 198

# ESSO AUSTRALIA LTD. DRILLING PROGRAM

# GENERAL:

Well Name Water Depth

Bream-4 67m (220')

Rig Datum

Southern Cross :

Relative to kelly bushing KB - mean sea level : 21m (69 ft) KB - sea floor

Location

KB - sea floor : 88m (289 ft) Latitude : 38° 30' 26.928"S Longitude: 1470 44' 50.244"E

Co-ordinates: AMG Zone 55 X = 565,157m E Y = 5,737,596m N

Tolerance

Nearest Well Location:

A circle of 50m (165 ft) radius Bream-4 lies approximately 1.9 km

WNW of Bream-3 and 4.6 km WNW of

Bream-2.

Total Depth Objective

2421m (7943 ft) KB

The primary objective of the well is to establish the western extent of the Bream oil and gas accumulation and to confirm the dimension of the

oil column.

Note:

All depths stated in the program are from the Kelly Bushing (KB) unless stated otherwise.

AREA TECHNICAL MANAGER

OPERATIONS MANAGER REA

15 DAYS

20

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# YOM GUGYEANANGEN AC

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COMMONWEALTH OF AUSTRALIA

STATE OF VICTORIA

Petroleum (Submerged Lands) Act 1967 - 1974

Petroleum (Submerged Lands) Act 1967

### APPLICATION FOR CONSENT TO DRILL

The Designated Authority, Victoria

Hematite Petroleum Proprietary Limited, being the holder of Petroleum Exploration Permit VIC/Pl, hereby makes application to drill a well and requests your permission to carry out the proposed operation.

(a)	Well name and number	BREAM-4
(b)	Classification of well	Stepout
(c)	The exact location of the proposed well	Latitude: 38° 30' 26.928" S Longitude: 147° 44' 50.244" E
(d)	Distance from nearest tenement boundary	ll km from south-eastern corner of Vic/Ll.
(e)	Height above sea level	Surface Level: Sea Level Kelly Bushing: 21 m Water Depth: 67 m
(f)	Method of drilling proposed and name and type of drilling rig	Rotary drilling "Southern Cross" semi-submersible
(g)	The extent to which coring is intended	Continuously core all hydrocarbon shows
(h)	Name, address and telephone number of person-in-charge of drilling	Mr. L. D. Attaway Esso Australia Limited 70 Foster Street, Sale, Victoria, 3850 Tele: Home (051) 443828 Office (051) 441361

#### PROPOSED ENGINEERING AND GEOLOGICAL DETAILS: (i)

These may be varied according to conditions encountered during drilling operations.

AGE	FORMATION/HORIZON	DRILL DEPTH		
Pliocene/Miocene Eocene	Gippsland Formation Latrobe Group Coarse Clastics	88 m 1855 m 1922 m		
	Total Depth	2488 m		

Objectives of well: (j)

To establish the western extent of the Bream oil and gas accumulation and particularly to confirm the dimension of the oil column

Drilling Programme (k)

To be forwarded Lent on of July 1987

#### Proposed Logging Programme (1)

Mud Logging:

Continuous from 20 inch casing shoe. Catch 5 sets of washed and dried samples and one sack unwashed cuttings every 5 metres. One tin containing unwashed samples from each 5 metre interval is required every 25 metres.

Coring:

Continuously core all hydrocarbon

shows.

Wireline Logging:

Run 1: (prior to running

13 3/8 inch casing)

ISF-Sonic-GR (GR to sea floor)

Run 2: (at T.D. to 13 3/8 inch casing shoe)

ISF-Sonic-MFSL-GR

LDT-CNL-GR

HDT

Velocity survey - check shots

every 150 m

(m)	Provision for formation testing:	Repeat formation Tester as required
(n)	Geological supervision will be undertaken by:	A. J. Rigg Esso Australia Ltd., 127 Kent Street, Sydney, N.S.W. 2000 Tele: (02) 236 2571
(0)	Name and address of drilling contractor	South Sea Drilling Company GPO Box U1937, Perth, W.A. 6000
(p)	Proposed date of commencement of operations	Mid-July Date to be advised

Notification dated:

15th June, 1981

B. R. Griffith

General Manager Exploration HEMATITE PETROLEUM PTY. LTD.

TRIFX MESSAGE

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MINERG AA36595 ESSOGAO AA55269

ESSO SALE JULY 31/81 1540 HOURS AMS

OUR REF: 1664

TO: THE DESIGNATED AUTHORITY,

MINISTER OF MINES,

DEPARTMENT OF MINERALS AND ENERGY,

ATTN: MR. J.L. LE PAGE

DIRECTOR, OIL AND GAS DIVISION.

THE APPROVAL OF THE DESIGNATED AUTHORITY IS REQUESTED FOR THE ABANDONMENT OF THE BREAM 4 WELL IN ACCORDANCE WITH THE PROCEDURE AS DISCUSSED IN A TELEPHONE CONVERSATION BETWEEN OUR MR. D.G. KEMP AND MR. J.L. LE PAGE ON THIS DAY JULY 31, 1981.

THE BREAM 4 WELL IS AT A TOTAL DEPTH OF 220 M RKB (140 M SEABED PENETRATION). THE WELL HAS BEEN CASED WITH 127.4 M OF 20 INCH CASING AND CEMENTED BACK TO SURFACE WITH 627 SACKS CLASS 'N' PLUS 12% GEL AND 350 SACKS CLASS 'N' NEAT CEMENT. THE 20 INCH CASING HOE IS AT A DEPTH OF 204 MRKB (124 M SEABED PENETRATION). NO AYDROCARBONS WERE ENCOUNTERED IN DRILLING THE WELL TO THIS DEPTH.

WE PLAN TO ABANDON THE WELL WITHOUT SETTING A CEMENT PLUG IN THE 20 INCH CASING SINCE THE CASING SHOE HAS NOT BEEN DRILLED. TOP OF CEMENT INSIDE THE 20 INCH CASING IS 196 MRKB. A SHOTCAN WILL BE RUN ON WIRELINE AND THE CASING CUT AT 88.6 M WHICH IS 8.6 M BELOW THE SEAFLOOR. THE WELLHEAD AND CASING STUB WILL THEN BE RETRIEVED TO SURFACE.

F.X. PENDARVIS/EXPLORESSO/SALE. ESSOGAO AA55269\*
MINERG AA36595

The How the definisher as Designated Authority,

This initial pertian of the Bream 4 well needs
be abandoned bee cause of foreible Damage suffer
to it by the dropping of the BOP stack

Abandonment procedure is coundered latespelog,

I your approval under the provisions of

Clause 13 of the Direction as to Orilling is

Stula al 4 Sas Division
31/7/81

APPROVED

DESIGNATED AUTHORITY

DATE 5/8/8/

JLP:HH

10 August 1981

247

Mr F X Pendarvis Area Production Manager Esso Australia Ltd 70 Foster Street SALE VIC 3850

Dear Sir

BREAM-4 WELL

This is to confirm that the Designated Authority under the provisions of Clause 13 of the Direction as to Drilling has approved the abandonment of the 20" conductor casing string on the above well in accordance with the program outlined in your telex of 31 July 1981.

Yours faithfully

L LePage

DIRECTOR OIL AND GAS DIVISION

Mt Meder 11/8

# HEMATITE PETROLEUM PTY. LIMITED

### WEEKLY DRILLING REPORT

NO. 1

#### BREAM-4

Operator:

Drilling Unit:

Location:

Water Depth:

Drilling Datum:

Date of Report:

Depth:

Esso Australia Limited

Southern Cross

Latitude: 38<sup>o</sup> 30' 26.928" S

Longitude: 147° 44' 50.244" E

67 metres ± 5

K.B. (21 m A.S.L)

30th July, 1981

Current 222

Previous Nil

Progress 222 m

#### Operations:

Rig arrived on location July 19 and well spudded 1500 hours July 21, 1981.

Due to drilling template rotation after making 8 metres penetration the rig was moved 15 metres, and the well re-spudded 1430 hours July 22.

Drilled 26 inch hole to 222 m. Ran and cemented 20 inch conductor at 204 m on 25thJuly. Ran BOP stack, two 50 foot joints, one 20 foot joint and one 5 foot pup joint of riser; while testing pressure integrity of riser it parted below the pup joint. Recovered BOP. Working on ram package repair at report date.

#### HEMATITE PETROLEUM PTY. LIMITED

#### WEEKLY DRILLING REPORT

NO. 2

## BREAM-4

Operator:

Esso Australia Limited

Drilling Unit:

Southern Cross

Location:

Latitude: 38<sup>0</sup> 30' 26.928" S

Longitude: 147<sup>0</sup> 44' 50.244" E

Water Depth:

67 metres  $\frac{+}{-}$  5

Drilling Datum:

K.B. (21 m A.S.L.)

Date of Report:

6th August, 1981

Depth:

Well abandoned at 222 m

Progress Nil

Operations:

Cut and recovered Pile Joint.

Recovered four post Guide Frame and template. Rig shut down for the duration of repair work to the B.O.P. stack and marine riser.

# OIL and GAS DIVISION HEMATITE PETROLEUM PTY. LIMITED

## WEEKLY DRILLING REPORT

### NO. 3

#### BREAM-4

Operator:

Drilling Unit:

Location:

Water Depth:

Drilling Datum:

Date of Report:

Depth:

Esso Australia Limited

Southern Cross

Latitude: 38<sup>0</sup> 30 26.928 s

Longitude: 147<sup>0</sup> 44 50.244 E

67 metres  $\frac{+}{-}$  5

K.B. (21 m A.S.L.)

13th August, 1981

Well abandoned at 222m

Progress Nil

Operations:

Anchors were retrieved and the rig departed Bream-4 location at 2400 hours 11.8.81. Operations now suspended for the duration of repair work to the B.O.P. stack and marine riser.

DRN:ES 13.8.81

#### PE905442

This is an enclosure indicator page. The enclosure PE905442 is enclosed within the container PE905441 at this location in this document.

The enclosure PE905442 has the following characteristics:

ITEM\_BARCODE = PE905442
CONTAINER\_BARCODE = PE905441

NAME = Bream 4 Cross Section A-A'

BASIN = GIPPSLAND

PERMIT = VIC/P1

TYPE = WELL

SUBTYPE = CROSS\_SECTION

DESCRIPTION = Bream 4 Cross Section A-A'

REMARKS =

DATE\_CREATED = 31/12/80

DATE\_RECEIVED = 15/06/81

 $W_NO = W749$ 

WELL\_NAME = Bream-4

CONTRACTOR = Esso Australia Ltd CLIENT\_OP\_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

#### PE905443

This is an enclosure indicator page. The enclosure PE905443 is enclosed within the container PE905441 at this location in this document.

The enclosure PE905443 has the following characteristics:

ITEM\_BARCODE = PE905443
CONTAINER\_BARCODE = PE905441

NAME = Bream 4 Intersection of Lith. units

with Oil Column

BASIN = GIPPSLAND

PERMIT = VIC/P1 TYPE = SEISMIC

SUBTYPE = HRZN\_CNTR\_MAP

DESCRIPTION = Bream 4 Map intersection of

Lithological Units with Oil Column

REMARKS =

DATE\_CREATED = 31/01/81 DATE\_RECEIVED = 15/06/81

 $W_NO = W749$ 

WELL\_NAME = Bream-4

CONTRACTOR = Esso Australia Ltd CLIENT\_OP\_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)

#### PE905444

This is an enclosure indicator page. The enclosure PE905444 is enclosed within the container PE905441 at this location in this document.

The enclosure PE905444 has the following characteristics:

ITEM\_BARCODE = PE905444
CONTAINER\_BARCODE = PE905441

NAME = Bream 4 Structure Map top coarse clastics

BASIN = GIPPSLAND

PERMIT = VIC/P1

TYPE = SEISMIC

SUBTYPE = STRUCTURE\_MAP

REMARKS =

DATE\_CREATED = 31/12/80 DATE\_RECEIVED = 15/06/81

 $W_NO = W749$ 

WELL\_NAME = Bream-4

CONTRACTOR = Esso Australia Ltd
CLIENT\_OP\_CO = Esso Australia Ltd

(Inserted by DNRE - Vic Govt Mines Dept)