

OFFSHORE 12 – PELICAN #4
NOTICE OF INTENTION TO DRILL

OR_0354B

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NOTICE OF INTENTION TO DRILL

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COMMONWEALTH OF AUSTRALIA
PETROLEUM (SUBMERGED LANDS)
ACT 1967-8

STATE OF TASMANIA
PETROLEUM (SUBMERGED LANDS)
ACT 1967

NOTICE OF INTENTION TO DRILL

The Designated Authority, Tasmania,

Hematite Petroleum Proprietary Limited, being the holder of Petroleum Exploration Permit No. T/6P hereby notifies its intention to drill a well and requests your permission to carry out the proposed operation.

I. Well Pelican -4

Classification

Outpost

II. Operator

Esso Australia Ltd.,
Esso House,
127 Kent Street,
SYDNEY, N.S.W.

Person-in-charge

L. Lipscomb,
Esso Australia Ltd.,
42 Raymond Street,
SALE, VIC.

Geological Supervision

A.C. Pierce,
Esso Australia Ltd.,
Esso House,
127 Kent Street,
SYDNEY, N.S.W.

III. Drilling Contractor

393004

Global Marine
P.O. Box 531,
SALE, VIC.

Drilling Rig

Glomar Conception

Date of Commencement

12th June 1972

*44 new unit
sent to Bureau*

IV. Details of Operation

<u>Location</u>	Latitude 40° 21' 54.868" South Longitude 145° 54' 51.803" East
<u>Water Depth</u>	249 feet
<u>Drilling Datum</u>	34 feet above sea level
<u>Casing Programme</u>	20 inch @ 500 feet 13-3/8 inch @ 3000 feet 9-5/8 inch if required Continuously core from first indications of hydrocarbons at approximately 8500' subsea until interruptions in shows indicated due either to changes in lithology or beneath a water contact. In the event a water contact is cored, continue coring until that reservoir unit is penetrated.
<u>Logging Programme</u>	Between 9400-9600 feet subsea or prior to running 9-5/8 inch casing <u>Run 1</u> IES, BHCS-SP, FDC-GR, (Run GR to surface), CST's, possible FIT's, Neutron, MLL, HDT. Final logging run at Total Depth. Run 2 IES, BHCS-SP, FDC-GR, HDT, CST's, possible FIT's, Neutron, MLL. A velocity survey is scheduled to be run prior to running 9-5/8 inch casing and/or at total depth depending on the casing programme.
<u>Proposed Total Depth</u>	10200 feet

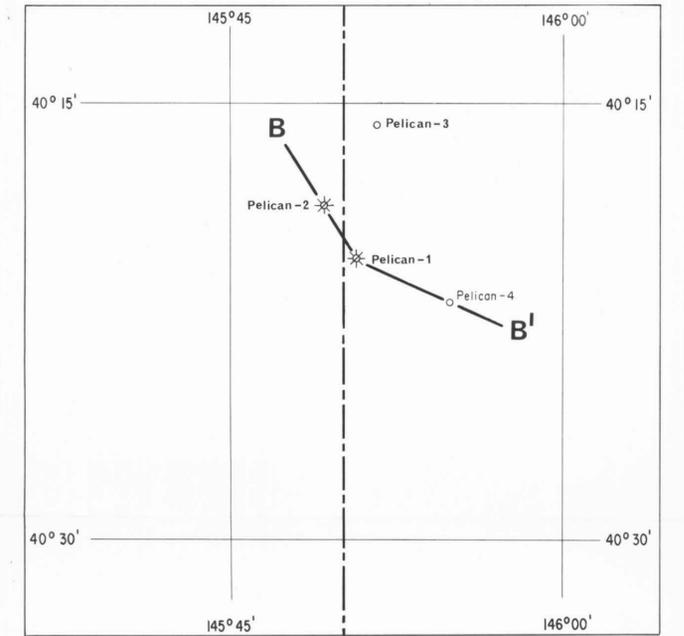
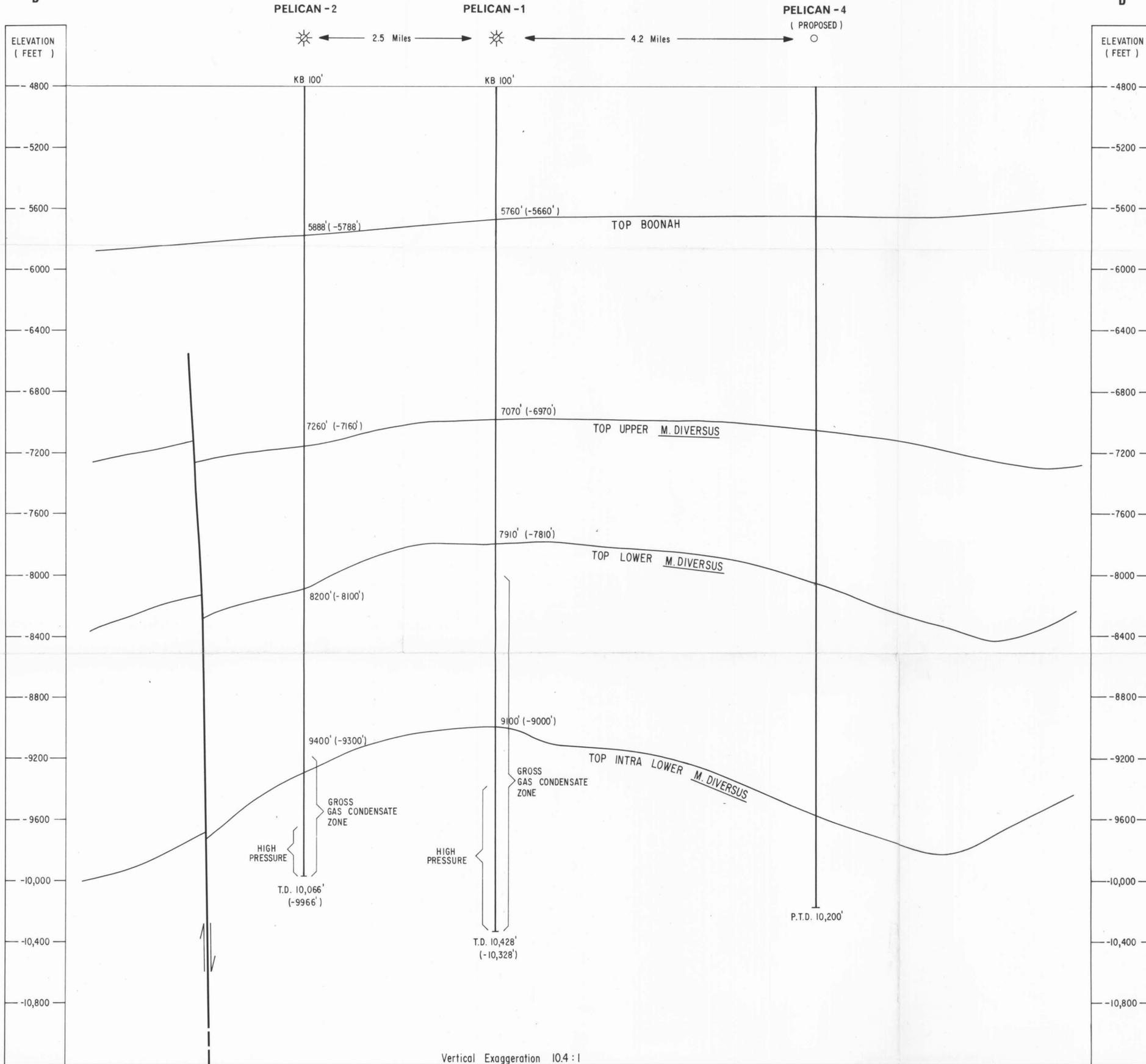
Notification dated 26th May 1972

R. Harrison
.....
R.P. Harrison,
Manager Operations
Hematite Petroleum Pty. Ltd.

OH

NW
B

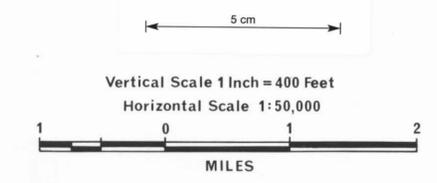
SE
B'



ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

BASS BASIN TASMANIA

393005
PELICAN FIELD
GEOLOGICAL CROSS SECTION B-B'
THROUGH PELICAN-1, PELICAN-2
AND PROPOSED PELICAN-4



AUTHOR: A.P. WHITTLE
DRAFTED BY: HOVICK
DATE: FEB. 1972

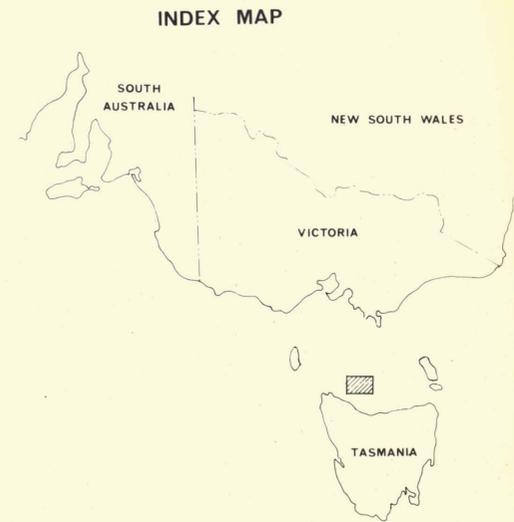
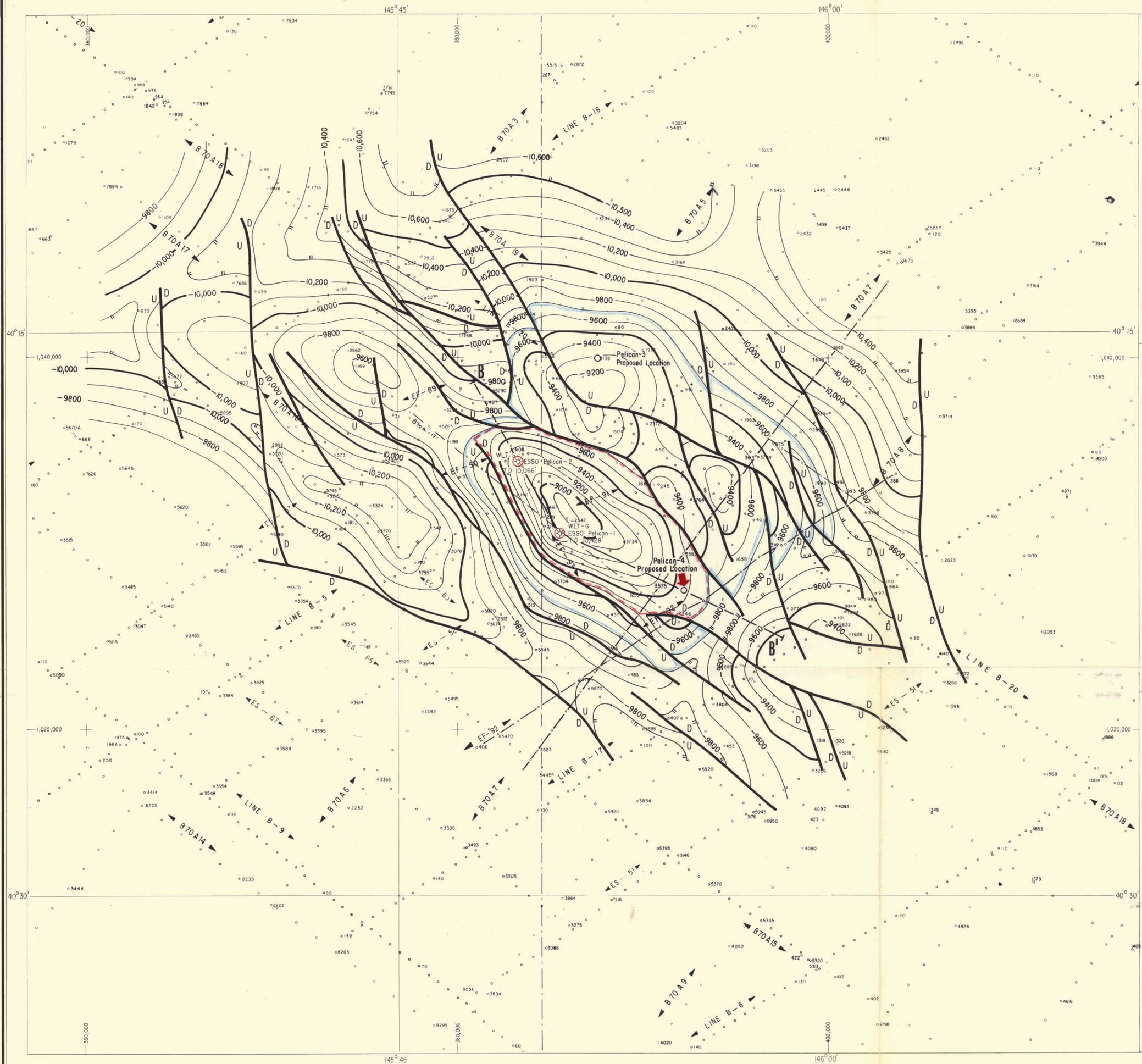
TO ACCOMPANY: AUTHORIZATION TO DRILL-
PELICAN-4

ENCLOSURE 1

DWG. 1445/OP/3

OR 3548

OFFSHORE 12



LEGEND

—○—○—○— Enclosed Seismic Lines

A ——— A' Geological Cross Section

ESSO EXPLORATION AUSTRALIA INC., SYDNEY, NEW SOUTH WALES.

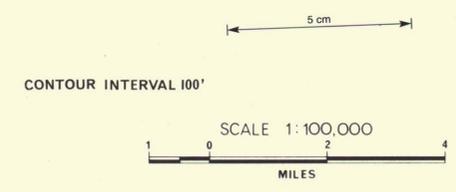
THE BASS BASIN AREA

TASMANIA

PELICAN AREA

293006

STRUCTURE MAP — INTRA LOWER M. diversus

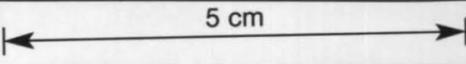


AUTHOR: J BORDELON
 TO ACCOMPANY: PELICAN-4 AUTHORIZATION TO DRILL: DATE FEBRUARY 1972
 DRAFTED BY: K.H. REISS
 REVISED:

ENCLOSURE 2
 DWG. 1445/0P/1

OR-3548 OFFSHORE 12

ENCLOSURE 4



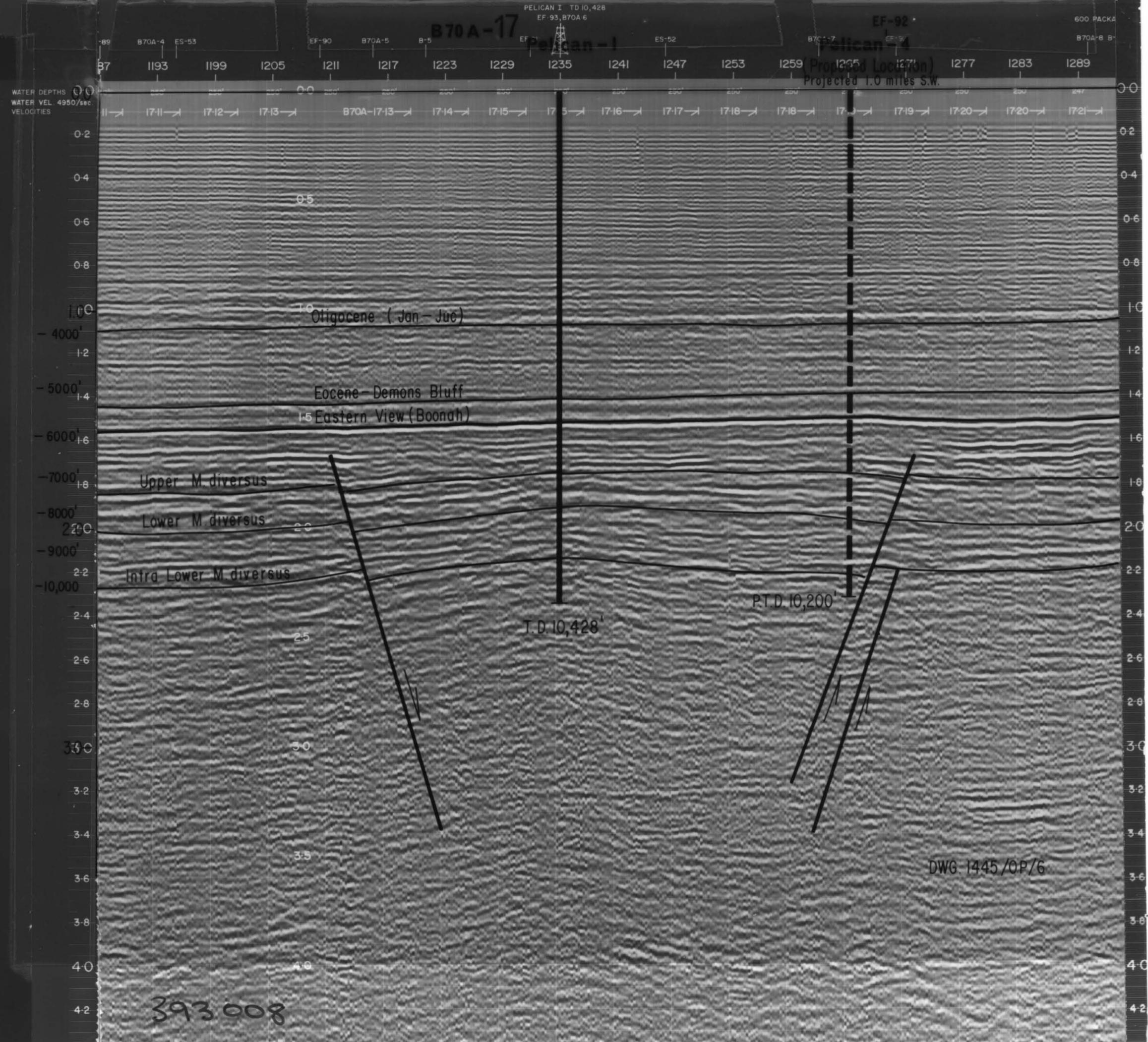
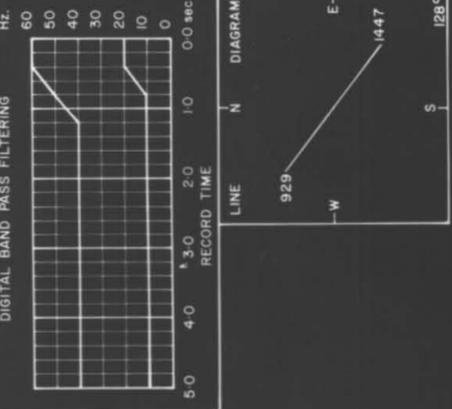
ESSO STANDARD OIL (AUST) LTD.

AREA: **BASS BASIN**
 RECORDING PARAMETERS: LINE: **B70A-17**
 Source: **AIRGUN** SP: **929** to **1447**
 Array size: **860** cu.in., **11** guns, tuned array
 4 pops/SP. Shot off group **48** No. of groups **48**
 Cable length (centre of gp. 1 to centre of gp. 48) **7708** ft
 Offset (array centre to centre of group 48) **840** ft
 Group interval **164** ft SP interval **656** ft
 10 geophones/group Field polarity first break **Negative**
 Recording system **DFS III** Filter **8** to **62** Hz
 Recording length **5** sec Sample rate **4** ms

GSI Field crew **909** Date **DEC'1970**

GEOPHYSICAL SERVICE INTERNATIONAL
 DIGITAL PROCESSING CENTRE
 SYDNEY, NSW, AUSTR.

PROCESSED DATA: Sample period **4** ms.
 Groups processed **1-48** Processed **24** fold
 TAR: B **14** db, α **3.5** db/sec. Gate **0** to **4500** ms.
 Vertical stack **Odd/Even**
 Decon before stack: **DCN** **66** pts, **4** ms. No. of gates/trace **1**
 Design gate (trace 1) **2200** to **4900** ms. Gate shift **-78** ms/trace.
 Decon after stack: **TVD** **64** pts, **4** ms. No. of gates/trace **2**
 Design gate (trace 1) **300** to **4500** ms. Gate shift **0** ms/trace.
 Digital filter: **35** pts, **4** ms. to **4500** Hz
 Displayed digital AGC. Playback gain **25** db.
 Polarity displayed: Positive Negative
 TIAC REQUEST **691** Hold tape **2572**
 INPUT CREW PARTY **851** Date **MAR'1971**



ENCLOSURE 5

ESSO STANDARD OIL (AUST.) PTY. LTD.
 SYDNEY, N.S.W., AUSTRALIA
 AREA **BASS** LINE **EF-92**
 RECORDING PARAMETERS **8** Pops/S.P. S.P. off **Op 24**
 Source **AQUAPULSE**, Charge Size _____ lbs
 Fill Time **15** sec, Oxy **50** lbs, Prop **22** lbs
 Cable Length **7544** ft, Group Interval **328** ft
 S.P. Interval **656** ft
 Pops / Vertical Sum **4** | Processed **12** Fod
 Recording Filters **100** - **5** Hz
 WGC Field Crew **64** Date **JULY '68**

GSI DIGITAL PROCESSING CENTRE
 SYDNEY, N.S.W., AUSTRALIA
 1. SAMPLE PERIOD **4** ms, 2. TARI **B**, **-6** db, **ex** **1.5** db/sec
 gate **0** to **4000** ms
 3. NMO Equalization gate **2000** to **3000** ms
 4. DECON **58** pts, **4** ms dec, Design gate **500** to **4000** ms,
 No. of gates/trace **2**, gate shift **0** ms/trace from tr.
 5. DIGITAL FILTER **35** pts **4** ms dec, _____ Hz
 6. DPS , OWBS , TVD , DCN , ARD , AR2 , DGF , TVF , M-4
 7. TIAC Req **1755** B Hold Tape **1944** 9. P/B Gain **10** db
 GSI Input Crew **851** Date **AUG '68**

62400 gammas 2.6
 62300 gammas 2.8
 62200 gammas 3.0
 62100 gammas 3.2
 62000 gammas 3.4
 61900 gammas 3.6
 61800 gammas 3.8
 61700 gammas 4.0

5 cm

LINE EF **92**
 Scale Ratio = 3.54 1 at 1 sec

12 FOLD STACK
 TVD 20-60Hz 400ms
 15-55 " 600"
 10-50 " 800"

