

378001

**PIIPA #1**

**APPLICATION FOR PERMISSION TO  
DRILL**

**DECEMBER 1981**

**OR\_0349**

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APPLICATION FOR PERMISSION TO DRILL  
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**ATTACHMENT XVI – REPRESENTATIVE SEISMIC SECTIONS**

15. SEISMIC SURVEY – LINE HB80A-417
16. SEISMIC SURVEY – LINE HB80A-434

COMMONWEALTH OF AUSTRALIA  
PETROLEUM (SUBMERGED LANDS)  
ACT, 1967 - 1974

STATE OF TASMANIA  
PETROLEUM (SUBMERGED LANDS)  
ACT, 1967

APPLICATION FOR PERMISSION  
TO DRILL

To: The Designated Authority,  
 Department of Mines,  
 G.P.O. Box 124B,  
HOBART, Tas. 7001.

Hematite Petroleum Proprietary Limited, 140 William Street, Melbourne, Victoria, 3000, being the permittee of Exploration Permit No. T/5P situated in the area specified as adjacent to the State of TASMANIA hereby applies for permission to drill a well.

The following information is submitted in support of the application.

- |       |   |   |
|-------|---|---|
| i)    | Name of Well:                                     | PIPIPA No.1   |
| ii)   | Location:   | Latitude: 40° 23' 11"<br>Longitude: 145° 41' 45"                        |
| iii)  | Block Number:                                     | 0309  |
| iv)   | Estimated Cost:                                   | \$2,500,000   |
| v)    | Name and address of the contractor:               | South Sea Drilling Company,<br>P.O. Box 816,<br><u>SALE, Vic. 3850.</u> |
| vi)   | Name of drilling vessel:                          | Southern Cross  |
| vii)  | Port from which the drilling vessel will operate: | Barry Beach, Victoria   |
| viii) | Scheduled commencement date:                      | Mid-February 1982   |
| ix)   | Estimated duration of drilling:                   | 23 days   |
| x)    | Total depth:                                      | 2100 m subsea   |

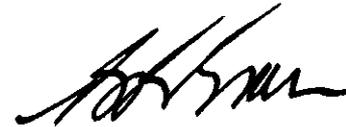
ATTACHMENTS

- xi) Copy of technical details of the drilling vessel and drilling equipment, Operational Sequences Manual, Emergency Response Plan and Oil Spill Contingency Plan - to be supplied at a later date. (NOT WITH THIS REPORT)
- xii) Drilling Programme - to be supplied at a later date. (NOT WITH THIS REPORT)
- xiii) Geological Prognosis
- xiv) Seismic Maps
- xv) Location Map - attached to Geological Prognosis
- xvi) Representative seismic sections

Dated at Melbourne this

10

day of December 1981.



B. R. Griffith  
GENERAL MANAGER EXPLORATION

HEMATITE PETROLEUM PTY. LTD.PIPIPA-1 GEOLOGICAL PROGNOSISWell Data:

Name: Pipipa -1  
Type: Wildcat  
T.D.: 2100 m subsea

Location:

Bass Basin, Offshore Tasmania, Australia  
Permit: T/5P  
Seismic line & shotpoint: HB80A-434, SP 400  
Water Depth: 73 m  
Co-ordinates: AMG Zone 55  
X = 389301 m E  
Y = 5528516 m N  
Latitude: 40° 23' 11"  
Longitude: 145° 41' 45"

Nearest Wells:

The following wells are located near Pipipa -1.

Narimba -1	13.2 km NNE
Pelican -1	13.8 km ENE
Pelican -2	13.7 km NE
Pelican -4	15.3 km E

(see enclosure 1 - location map)

Geophysical Considerations:

The Pipipa prospect was originally identified using B70A and B72A seismic survey data which gave a grid spacing of approximately 4 km. In May 1980 part of the HB80A seismic survey was shot to give a 2 km square grid over the prospect. Due to the lesser quality of the earlier seismic data and mistie problems inherent in combining data from different surveys only the HB80A data was used for the Pipipa interpretation. Seven horizons were interpreted on the HB80A seismic data. (The HB77A interpretation equivalent horizon names are given in brackets).

Horizon 51 (Green)	Base of the Limestone section, Late Miocene
Horizon 4 (Orange)	Early Miocene
Horizon 37 (Dark Blue)	Near Top Oligocene
Horizon 22 (Purple)	Oligocene
Horizon 17 (Pink)	Top Demons Bluff, Late Eocene
Horizon 6 (Yellow)	Top Eastern View Coal Measures, Late Eocene
Horizon 2 (Red)	Upper M-Diversus seismic marker, Early Eocene

With the exception of horizon 22 all of the above horizons were carried from the nearby wells Narimba -1, Pelican -1, -2 and -4 to the prospect using HB77A seismic survey lines. The good quality of the HB77A data allows confidence that the events picked at Pipipa are the same as those mapped over the Pelican field.

Horizon 22 was initially picked on the HB80A data because of its high amplitude relative to surrounding events. The amplitude of the horizon varies greatly across the prospect. The amplitude changes appear to be associated with the many small faults which cut this horizon most of which have no expression on the horizons above and below. The high amplitudes may also be diagnostic of a volcanic episode at the time of horizon 22.

The "Blue-1" horizon picked on the HB77A data and corresponding to the top of the major reservoir interval in the Pelican field was not picked at Pipipa. The coaly section in the upper Eastern View causes seismic data quality to deteriorate rapidly beneath horizon 2 making it extremely difficult to pick the "Blue-1" horizon with any degree of confidence.

Time structure maps were first produced on all horizons. RMS velocity maps were then made for each horizon and machine contoured. The RMS velocity maps showed no significant velocity variations across the prospect. At this stage velocity smoothing was carried out and depth maps were produced. The time and depth maps for each horizon were hand contoured and fair drawn copies produced. Machine contoured isopach maps were also produced to study the structural growth of the prospect.

#### Stratigraphy:

The stratigraphic section drilled at Pipipa-1 is expected to be similar to that encountered in the Pelican field, 13 km to the NW.

The marine Torquay Group, comprising marine Miocene and Oligocene sediments, is composed of calcarenites, mudstones and shales conformably overlying Eocene beds.

The upper Eocene Demons Bluff Formation is conformable with the underlying Eastern View Coal Measures. The Demons Bluff is composed of marine shales and siltstones providing a good seal for the top of the Eastern View.

GEOLOGICAL PROGNOSIS, PIPIPA -1

Formation	Depth		Thickness m
	KB	Subsea	
	m	m	
TORQUAY GROUP	94	73	531
Base of Limestone section	625	604	106
Horizon 4	731	710	220
Horizon 37	951	930	188
Horizon 22	1139	1118	312
DEMONS BLUFF FORMATION	1451	1430	113
EASTERN VIEW COAL MEASURES	1564	1543	382
Upper M-Diversus Seismic Marker	1946	1925	175
TOTAL DEPTH	2121	2100	

The Upper Eastern View Coal Measures at Pelican consist of sandstones interbedded shales, siltstones and coal. There is an increase in shale content towards the base of this section. The sands immediately underlying the Demons Bluff in the Pelican wells are excellent reservoirs with porosities averaging 22%. The proportion of sand at this level increases southwards from Pelican-3 and Narimba-1 to the Pelican field. It is, therefore, expected that the sand content will be higher at Pipipa-1 and probably in excess of 60% in the top 50 m of the Eastern View section.

At the level of the Upper M-Diversus marker based on the four nearby wells porosities averaging 19% and a sand shale ratio of 50% can be expected. The well is programmed to penetrate the Upper M-Diversus by 175 m.

#### Structure:

Pipipa is a fault controlled anticlinal structure approximately 13 km SW of the Pelican structure. A normal fault steeply dipping to the SW extending up from the Cretaceous to the Early Miocene creates a reversal of dip on the basinward side of the fault. This fault has an average throw of 30 m at the Top Eastern View level which increases to 60 m at the level of the Upper M-Diversus seismic marker. At the Top Eastern View the structure has an areal closure of 15 km<sup>2</sup> and 55 m of relief. The crest of the structure results from a fault throwing down to the west which is visible only on line HB80A-434. The strike of this fault is perpendicular to the main fault trend. The size of the closure diminishes with depth due to the increased degree of faulting in the lower part of the section. At the intra Eastern View unconformity, corresponding to the Upper M-Diversus seismic marker, the area of the main closure is reduced to 8 km<sup>2</sup> though the relief is 80 m at this level.

A second smaller culmination is also mapped on horizon 2. It is slightly to the east of the main structure and formed by two NE-SW striking faults forming a small horst block. This feature has an areal extent of only 1.5 km<sup>2</sup> and 50 m of relief, which makes it too small to be considered as target.

Unlike the Pelican structure, Pipipa appears to have had much of its structural growth in the Oligocene. Major episodes of faulting are apparent at the time of the intra Eastern View unconformity in the Late Paleocene/Early Eocene and during the Oligocene as evidenced by horizon 22.

A study of isopach maps down to the top of the Eastern View shows that the structure began developing its present form towards the end of the Oligocene between the times of horizons 22 and 37.

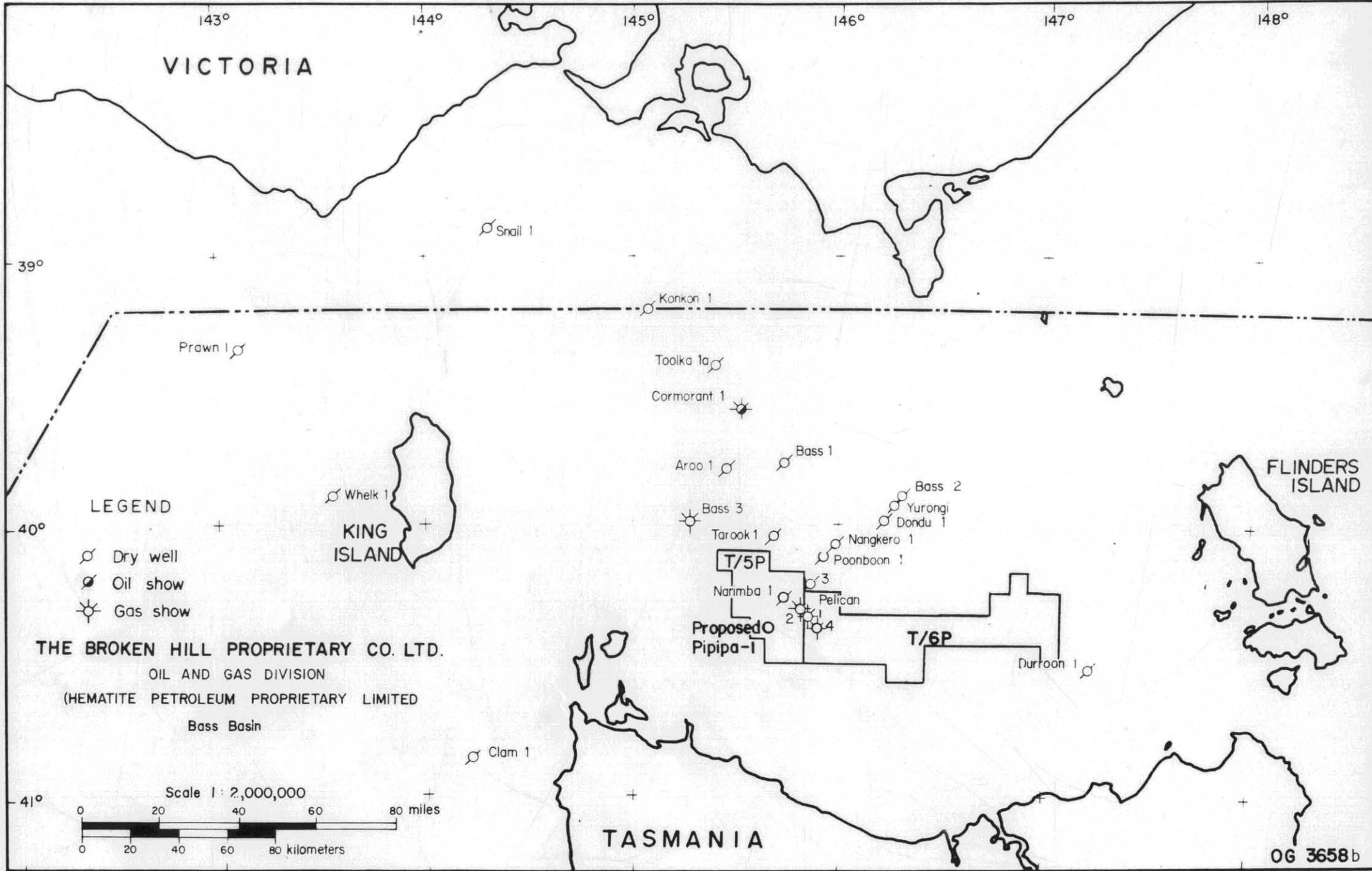
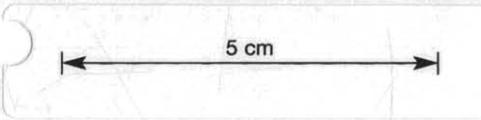
#### Hydrocarbons:

Pipipa-1 will be the first well to drill top Eastern View closure within the vicinity of the Pelican field. Closure did not extend to this level at Pelican and it is, therefore, possible that hydrocarbons have migrated laterally from the basin depocentre or the Pelican area to the Pipipa structure. If migration has occurred in the basin it is likely to have occurred in the post-Oligocene. If such is the case the timing of the Pipipa structure is probably sufficiently early for entrapment of migrating hydrocarbons.

Well Objectives:

The primary objective of Pipipa-1 is to investigate the hydrocarbon potential of sands at the top of the Eastern View Coal Measures within the structural closure detailed by the HB80A seismic survey. These sands are capped by the impermeable Demons Bluff Formation. Based on the results of the nearby Pelican wells sand throughout the Upper Eastern View have the potential to act as good quality reservoirs at Pipipa. However, none of the shales or siltstones encountered within the Upper Eastern View in those wells was of sufficient thickness to guarantee they would seal across the faults which control the structure. Despite this, the possibility of intra-formational traps should not be completely discounted.

Pipipa-1 is programmed to penetrate the Upper M-Diversus marker by 175 m. Due to an increased degree of faulting deeper in the section, the size of the closure diminishes with increasing depth. The quality of the seismic data also deteriorates in the deeper part of the section making accurate mapping extremely difficult.



VICTORIA

143° 144° 145° 146° 147° 148°

39°

Prawn 1

Konkon 1

Toolka 1a

Cormorant 1

Whelk 1

KING ISLAND

LEGEND

- Dry well
- ⊗ Oil show
- ☀ Gas show

THE BROKEN HILL PROPRIETARY CO. LTD.  
 OIL AND GAS DIVISION  
 (HEMATITE PETROLEUM PROPRIETARY LIMITED)  
 Bass Basin

Aroo 1

Bass 1

Bass 2

Yurongi

Dondu 1

Bass 3

Tarook 1

Narimba 1

Proposed Pipa-1

Nangkero 1

Poonboon 1

Pelican

T/6P

Durroon 1

FLINDERS ISLAND

Clam 1

TASMANIA

40°

41°

Scale 1 : 2,000,000



ATTACHMENT XV

378013

5 cm

LINE HB80A - 434

# PROPOSED PIPIPA-1

SP 325

SP 350

SP 375

SP 400

SP 425

SP 450

SP 475

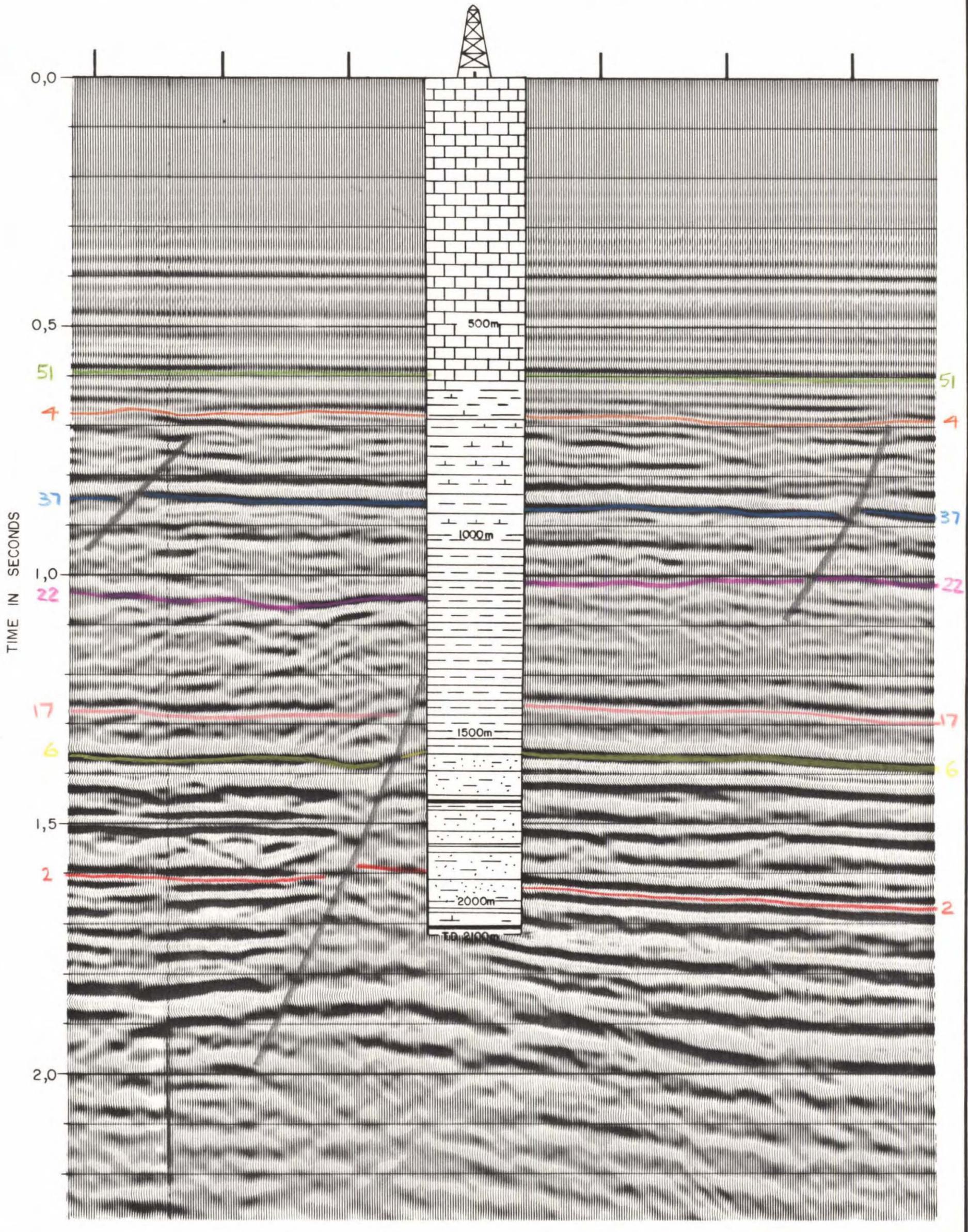
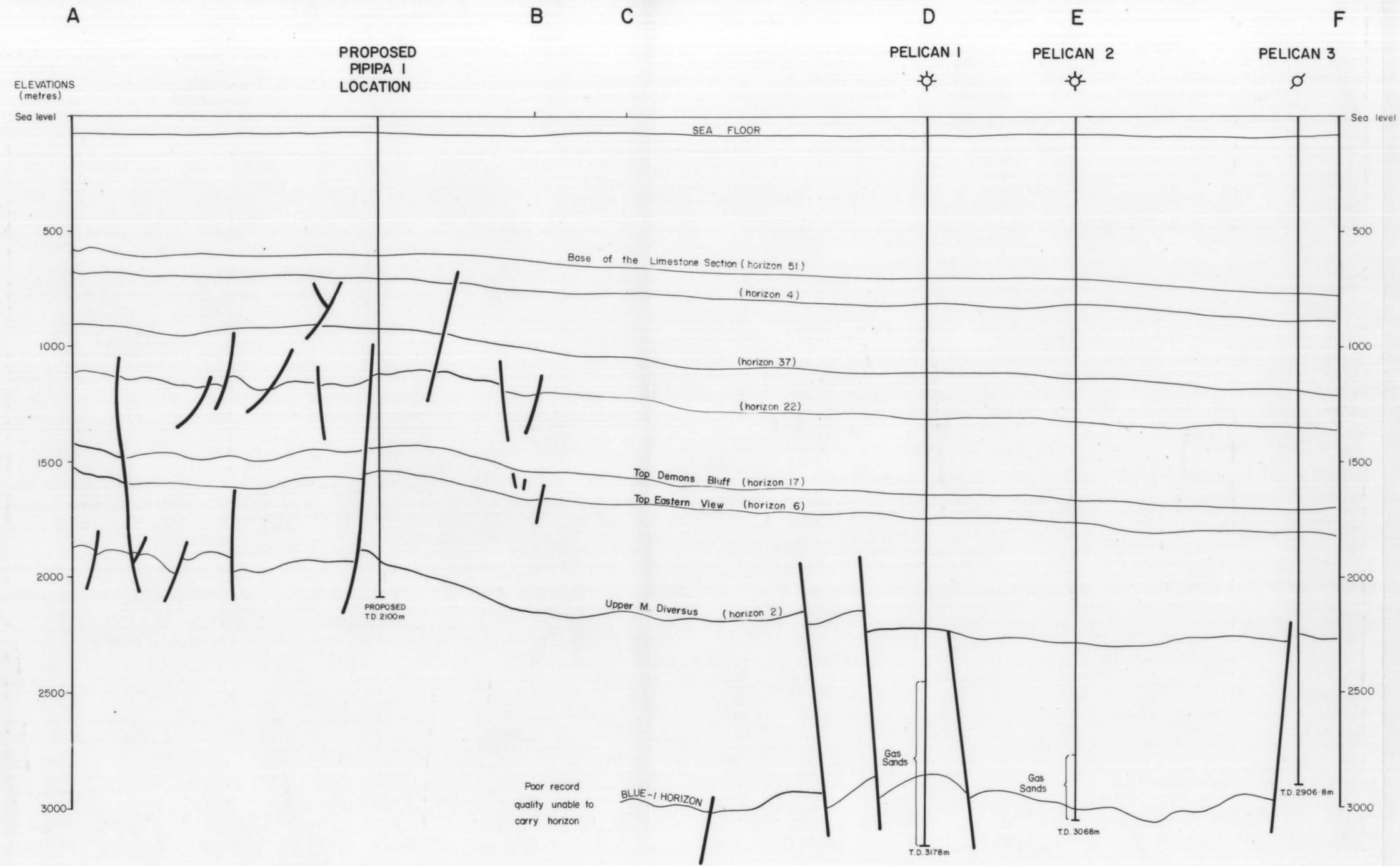
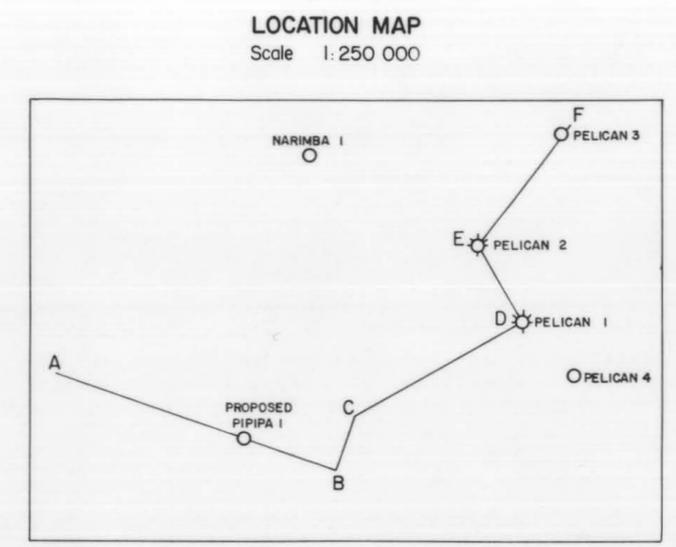


Fig 1.

+



SCALE: Hor. 1: 100 000  
Vert. 1: 15 000



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(HEMATITE PETROLEUM PROPRIETARY LIMITED)

BASS BASIN

**PIIPA PROSPECT**

STRUCTURAL CROSS SECTION  
FROM PELICAN-3 TO PROPOSED PIIPA-1



Author: J. Guy  
N. Newell  
Date: Nov. 1981

Datum: Sea level  
Drawn by: I. Kamory

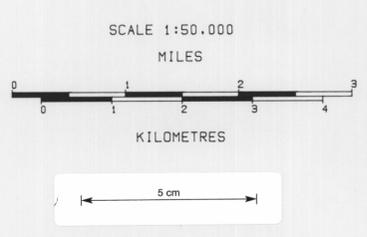
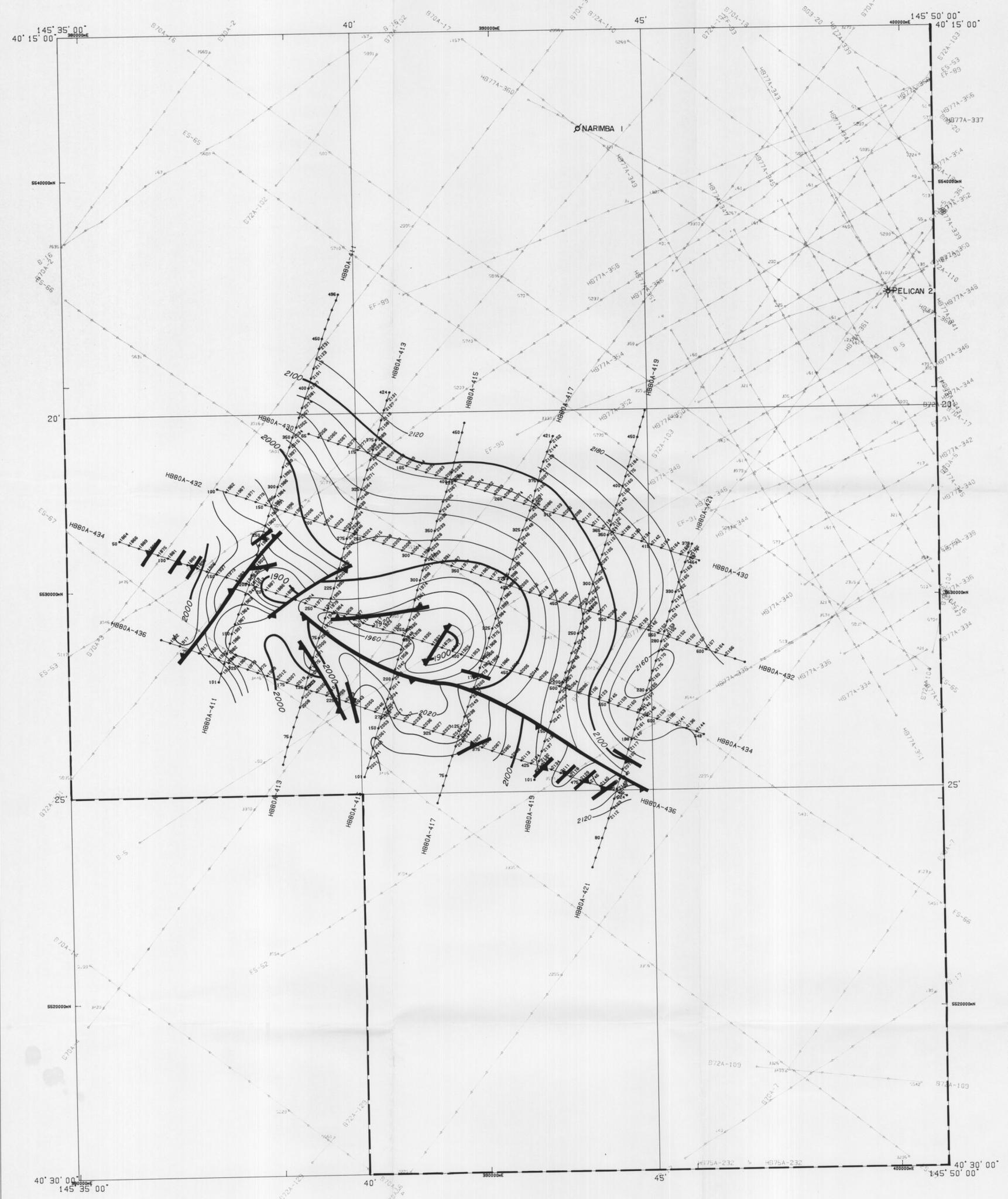
Fig 2.

OR-0349

**ATTACHEMENT XIV**

**SEISMIC MAPS**

091919



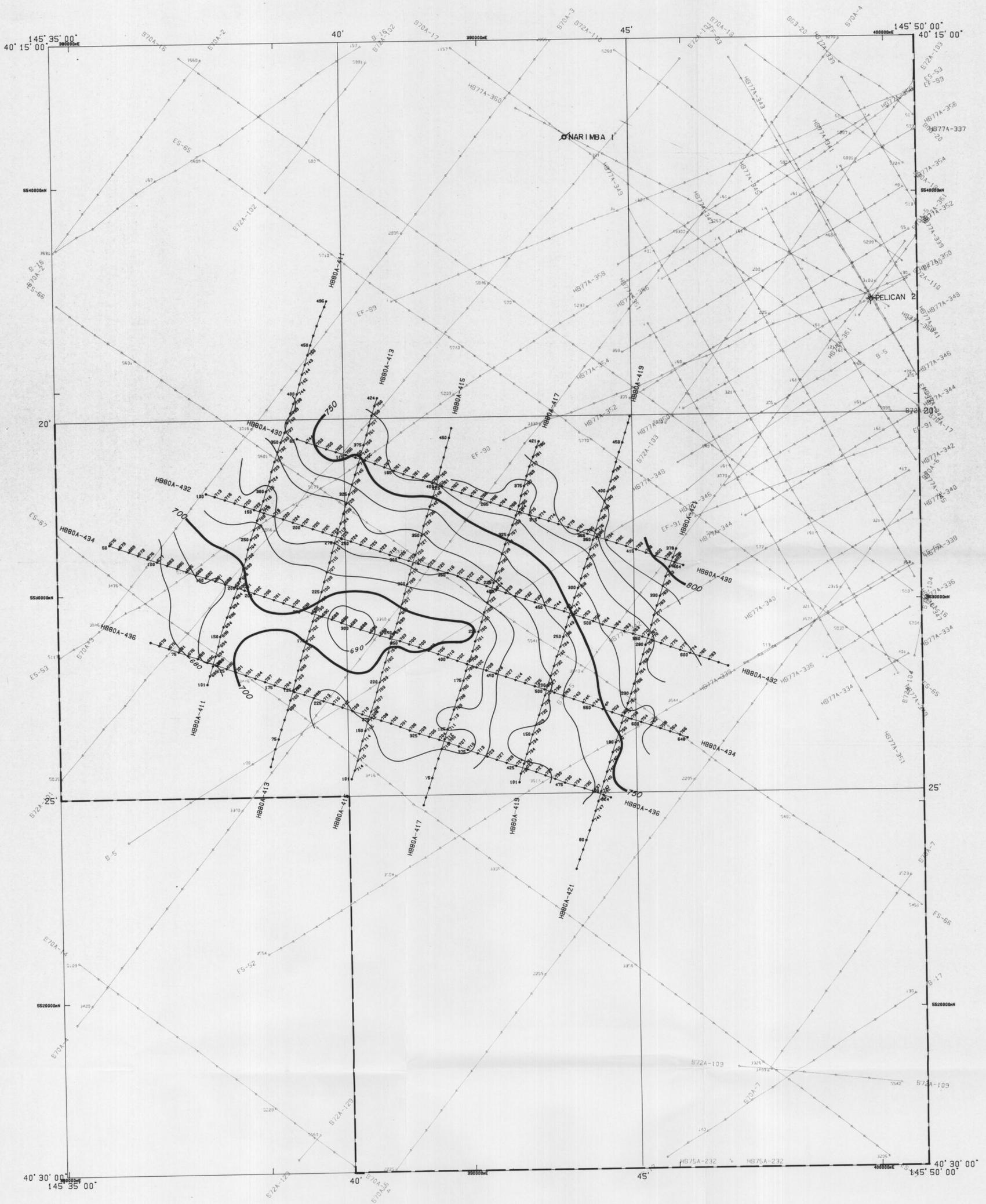
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 OIL AND GAS DIVISION  
 (HEMATITE PETROLEUM PROPRIETARY LIMITED)

PIPIPA PROSPECT  
**HORIZON 2**  
 (UPPER M-DIVERSUS SEISMIC MARKER)  
**DEPTH**

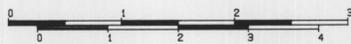
CONTOUR INTERVAL : 20 m.      DATUM : MSL.  
 AUTHOR : J. Guy      DRAWN BY : J. Cookson  
 DATE : October 1981      CHECKED BY :  
**378016**

OR-0349      06-6713

A91919



SCALE 1:50,000  
MILES



KILOMETRES



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PIPIA PROSPECT

# HORIZON 4 DEPTH

378017

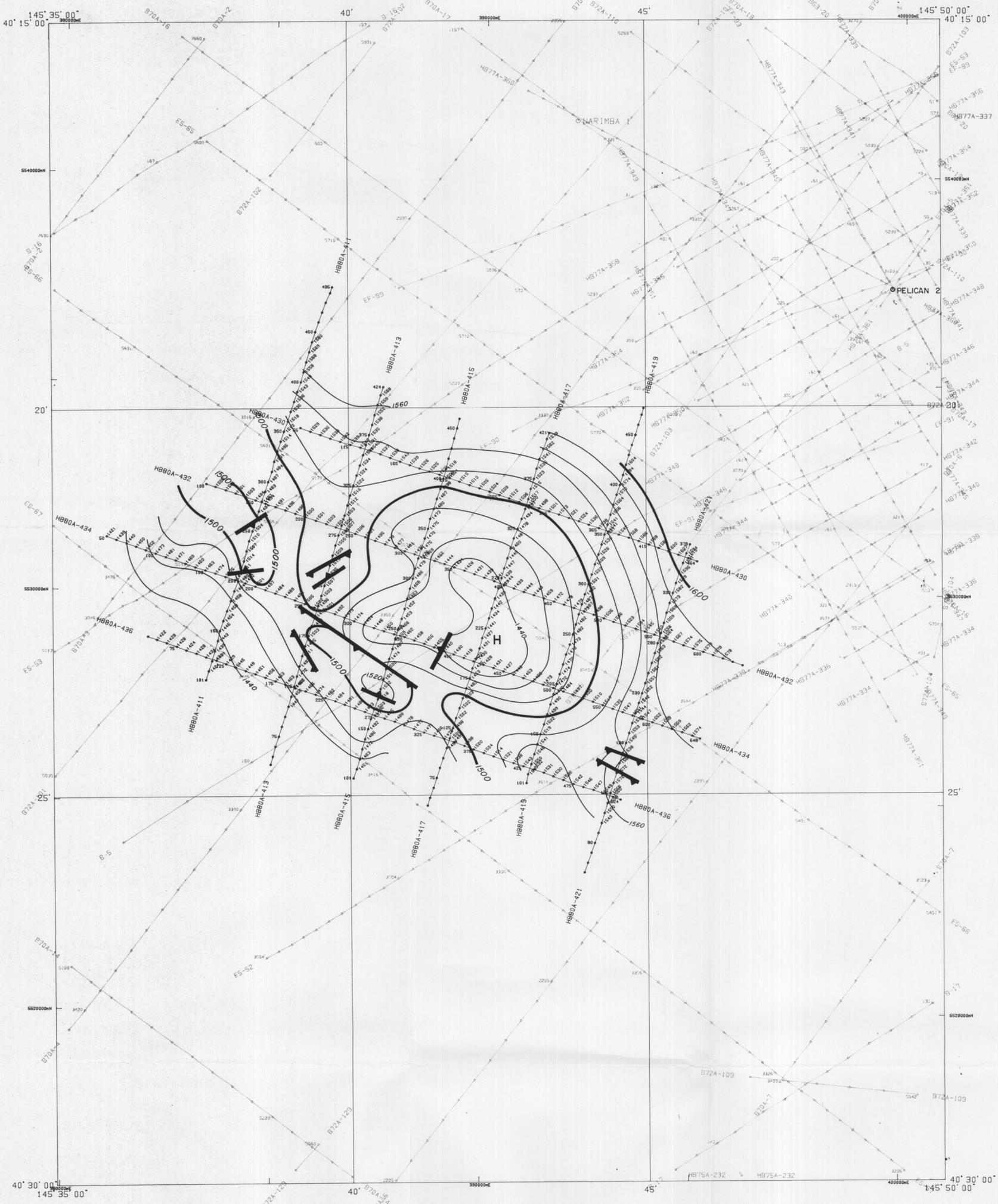
CONTOUR INTERVAL: 10 m.      DATUM: MSL.  
AUTHOR: J. Guy      DRAWN BY: J. Cookson  
DATE: October 1981      CHECKED BY:

OR-0349      OG-6714

ENCLOSURE 2.



AA1919



SCALE 1:50,000  
MILES



KILOMETRES



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OIL AND GAS DIVISION  
(HEMATITE PETROLEUM PROPRIETARY LIMITED)

PIIPA PROSPECT  
(TOP DEMONS BLUFF)  
**HORIZON 17**  
**DEPTH**

378019

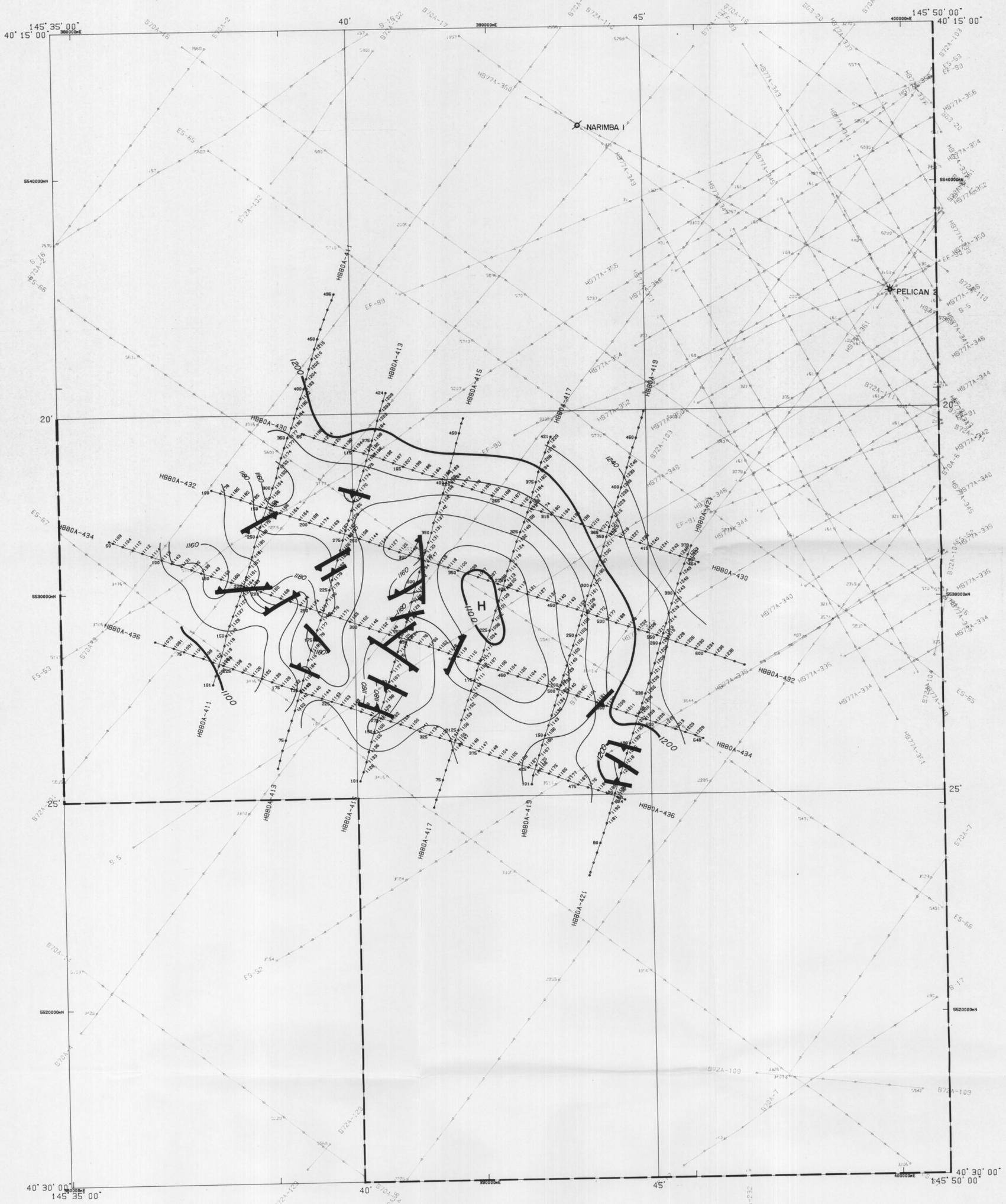
CONTOUR INTERVAL : 20m.      DATUM : MSL.  
AUTHOR : J. Guy                      DRAWN BY : J. Cookson  
DATE : October 1981                CHECKED BY :

OR-0349      OG-6716

ENCLOSURE 4.

A91919

NARIMBA



SCALE 1:50,000  
MILES



KILOMETRES



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(HEMATITE PETROLEUM PROPRIETARY LIMITED)

PIIPA PROSPECT

**HORIZON 22**

DEPTH

378020

CONTOUR INTERVAL: 20 m

Datum: M.S.L.

AUTHOR: J. Guy

DRAWN BY: J. Cookson

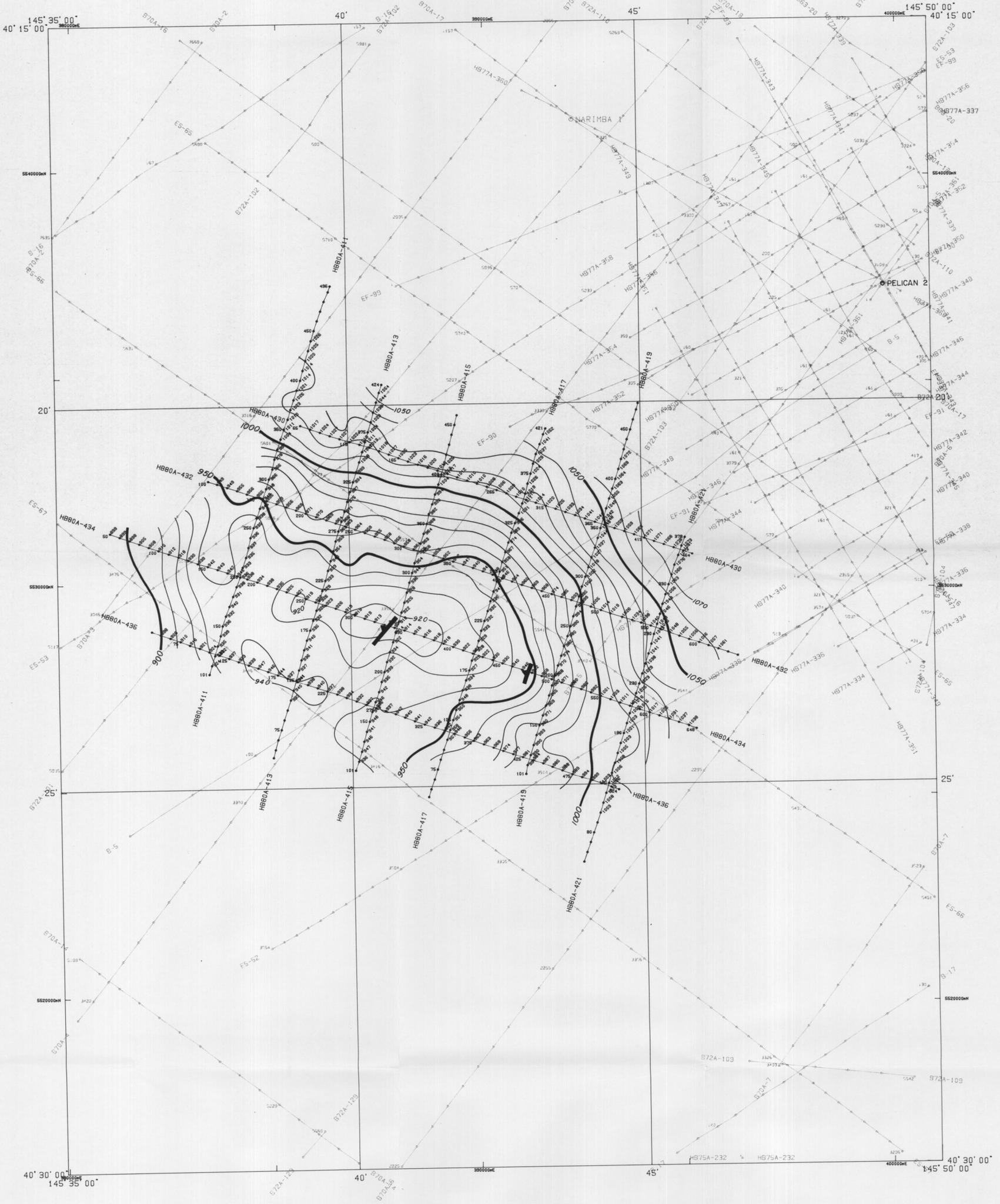
DATE: November 1961

CHECKED BY:

OR-0349 06-6720

ENCLOSURE 5.

1991919



SCALE 1:50,000  
MILES



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OIL AND GAS DIVISION  
(HEMATITE PETROLEUM PROPRIETARY LIMITED)

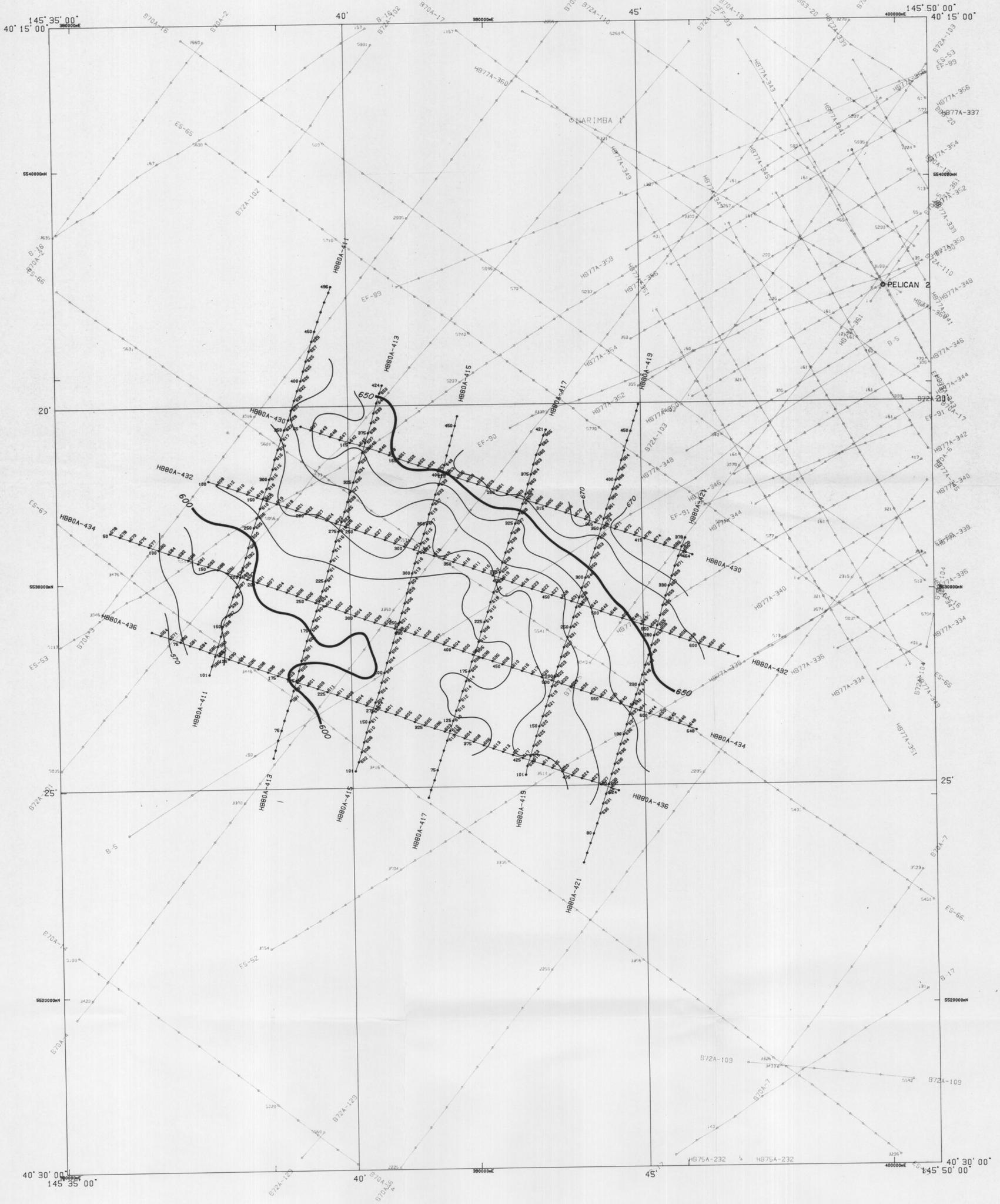
PIPIA PROSPECT  
**HORIZON 37**  
**DEPTH**

378021

CONTOUR INTERVAL : 10 m.      DATUM : MSL.  
AUTHOR : J. Guy                      DRAWN BY : J. Cookson  
DATE : October 1981                  CHECKED BY :

OR-0349      OG-6717

A91919



SCALE 1:50,000

MILES



KILOMETRES



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PIPIA PROSPECT

# HORIZON 51 (BASE OF THE LIMESTONE SECTION) DEPTH

378022

CONTOUR INTERVAL: 10m.

DATUM: MSL.

AUTHOR: J. Guy

DRAWN BY: J. Cookson

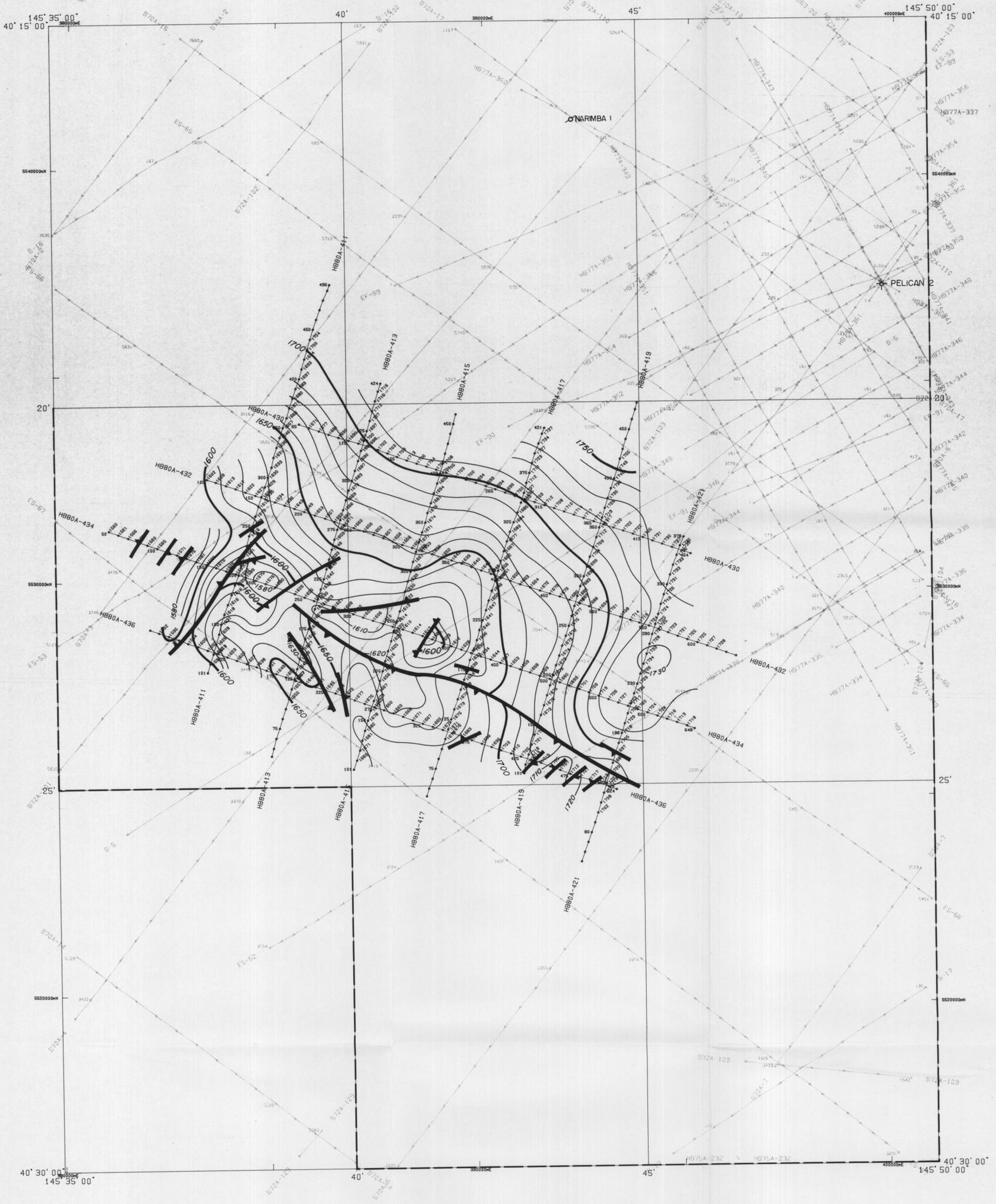
DATE: October 1981

CHECKED BY:

OR-0349 OG-6718

ENCLOSURE 7.

091919



SCALE 1:50,000  
MILES



KILOMETRES



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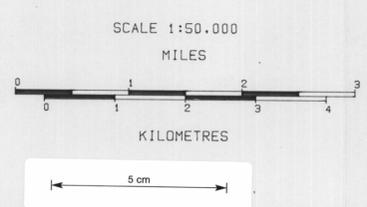
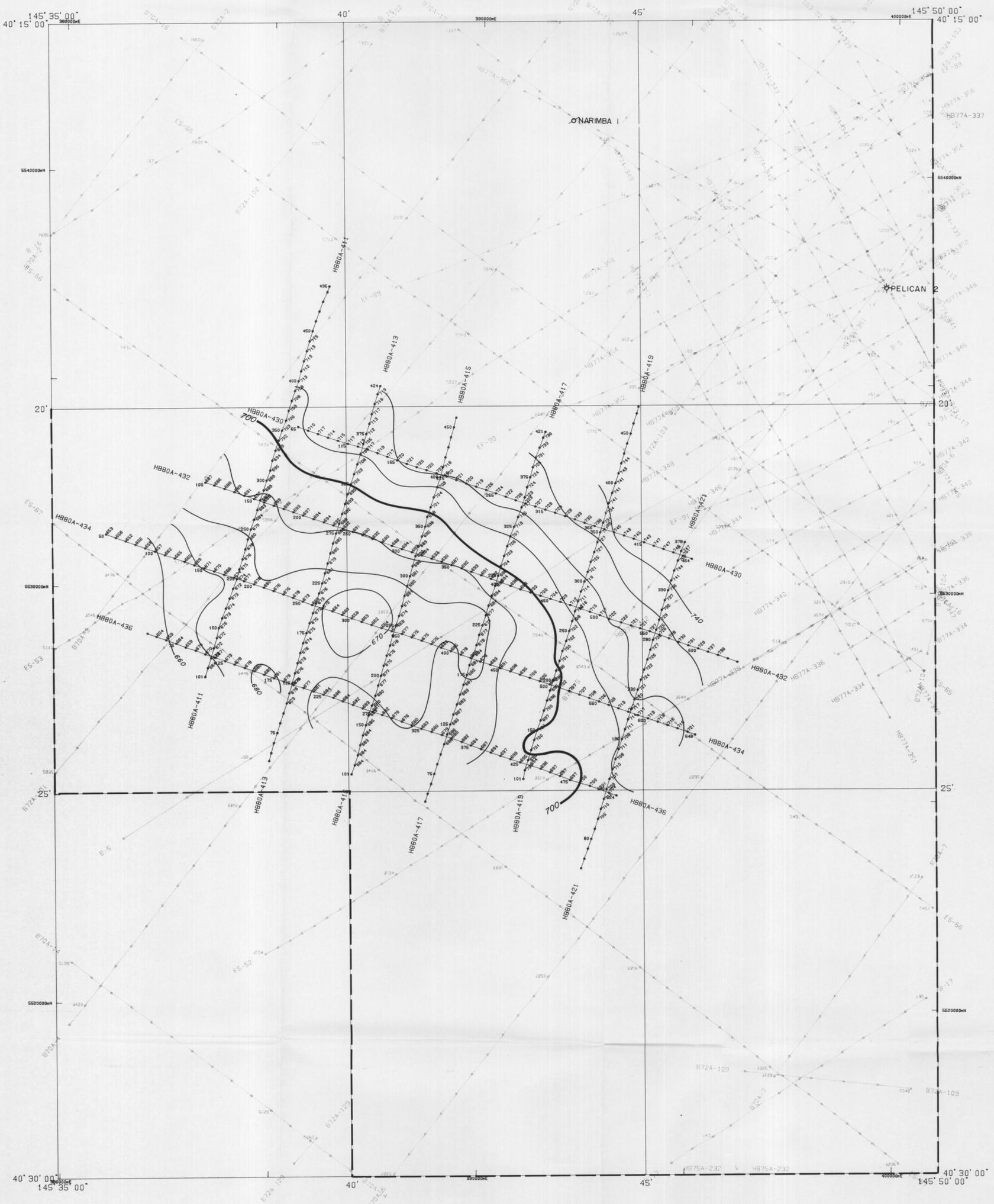
PIPIA PROSPECT  
**HORIZON 2**  
(UPPER M-DIVERSUS SEISMIC MARKER)  
**TIME**

378023

CONTOUR INTERVAL : 10 ms.      DATUM : MSL.  
AUTHOR : J.Guy      DRAWN BY : J.Cookson  
DATE : October 1981      CHECKED BY :

OR-0349 OG-6711

19/19/89



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OIL AND GAS DIVISION  
(HEMATITE PETROLEUM PROPRIETARY LIMITED)

PIPIA PROSPECT  
**HORIZON 4**  
**TIME**

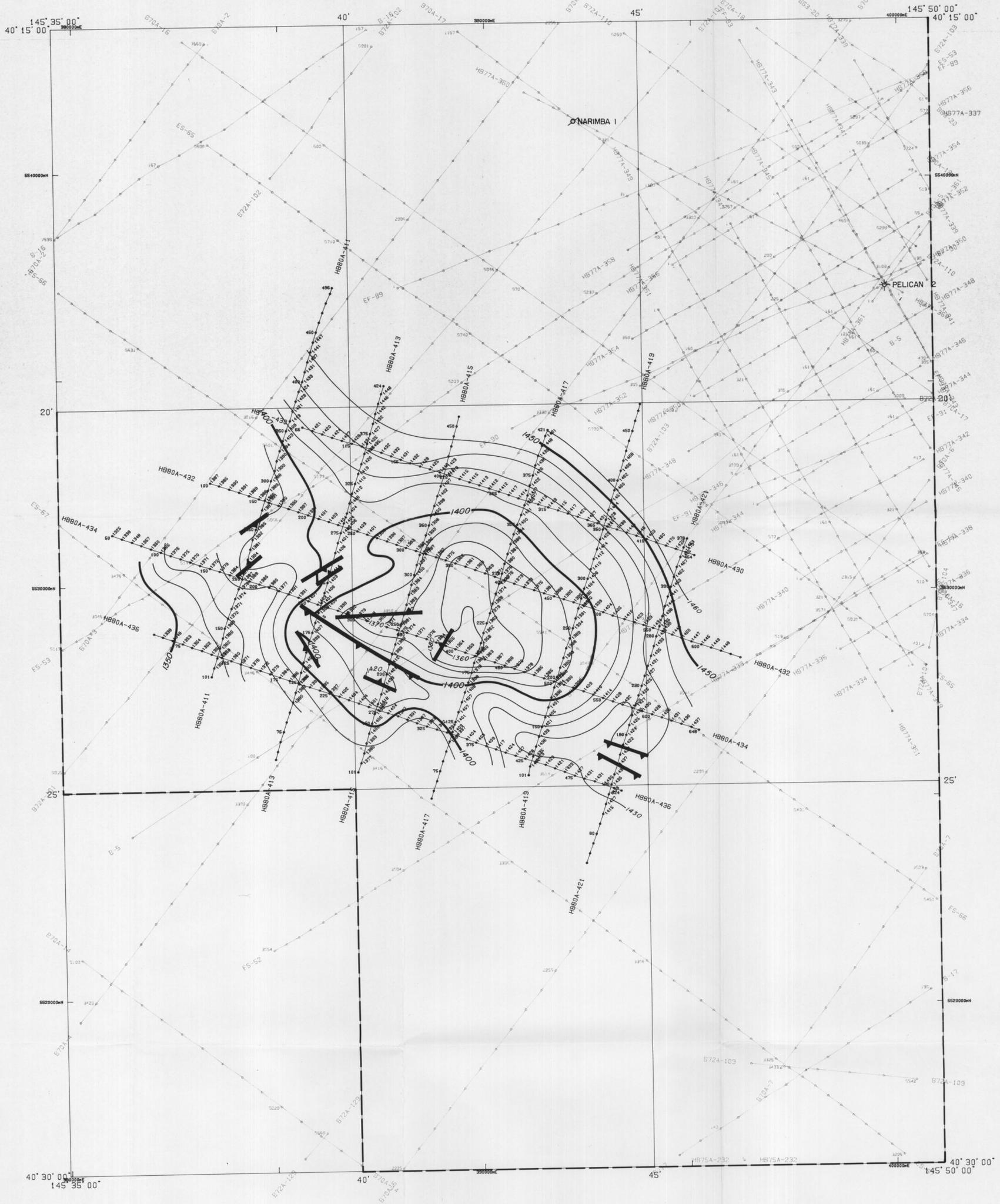
378024

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AUTHOR : J. Guy                      DRAWN BY : J. Cookson  
DATE : October 1981                CHECKED BY :

OR-034906-6706

ENCLOSURE 9.

A91919



SCALE 1:50,000  
MILES



KILOMETRES  
5 cm

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(HEMATITE PETROLEUM PROPRIETARY LIMITED)

PIIPA PROSPECT  
**HORIZON 6**  
(TOP EASTERN VIEW COAL MEASURES)  
TIME

378025

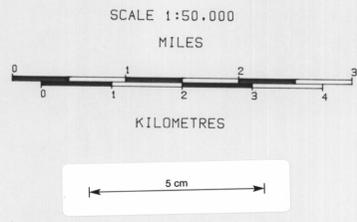
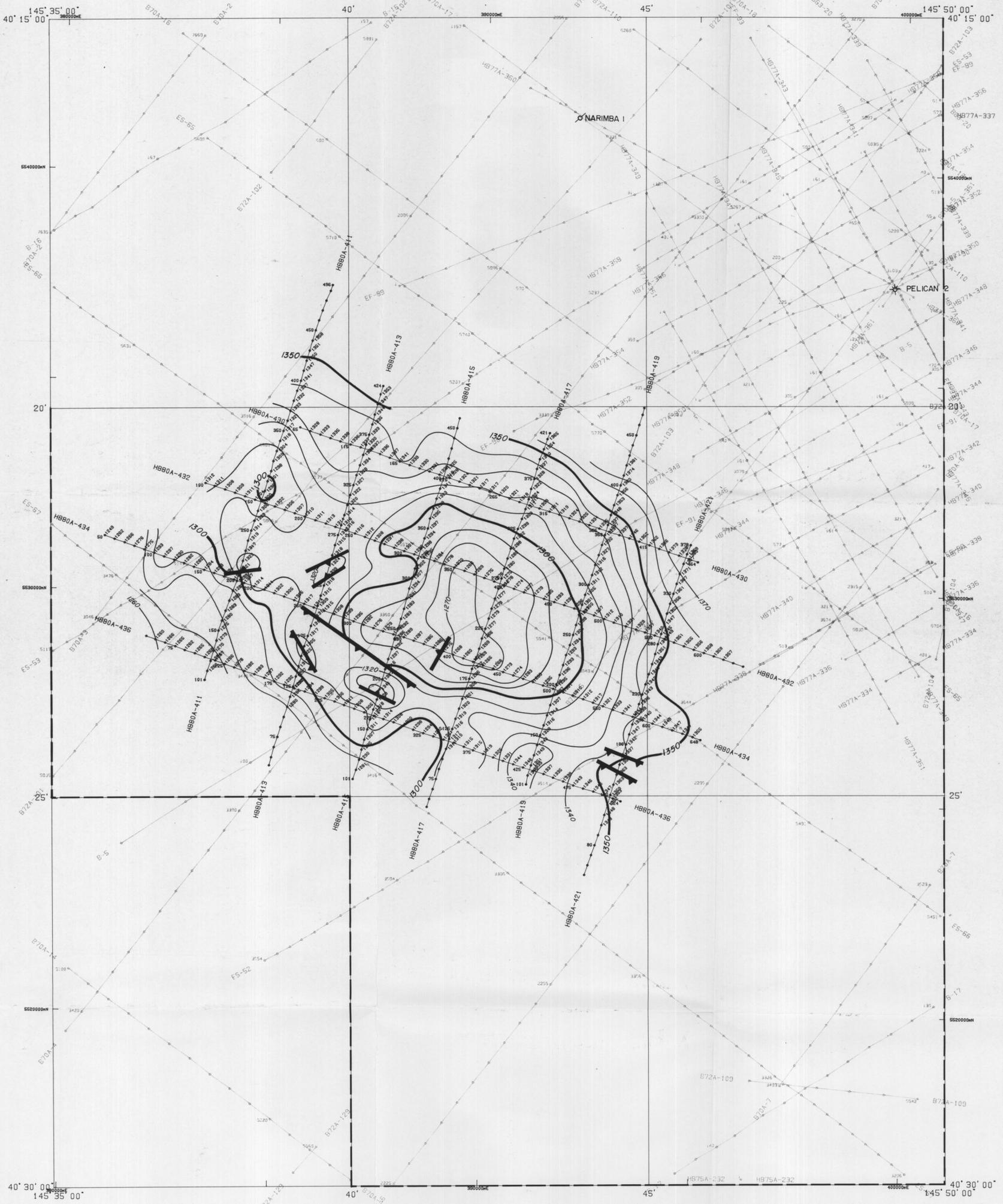
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AUTHOR: J. Guy      DRAWN BY: J. Cookson  
DATE: October 1981      CHECKED BY:

OR-0349

OG-6710

ENCLOSURE 10.

PIPIPA



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(HEMATITE PETROLEUM PROPRIETARY LIMITED)

PIPIPA PROSPECT  
**HORIZON 17**  
(TOP DEMONS BLUFF)  
TIME

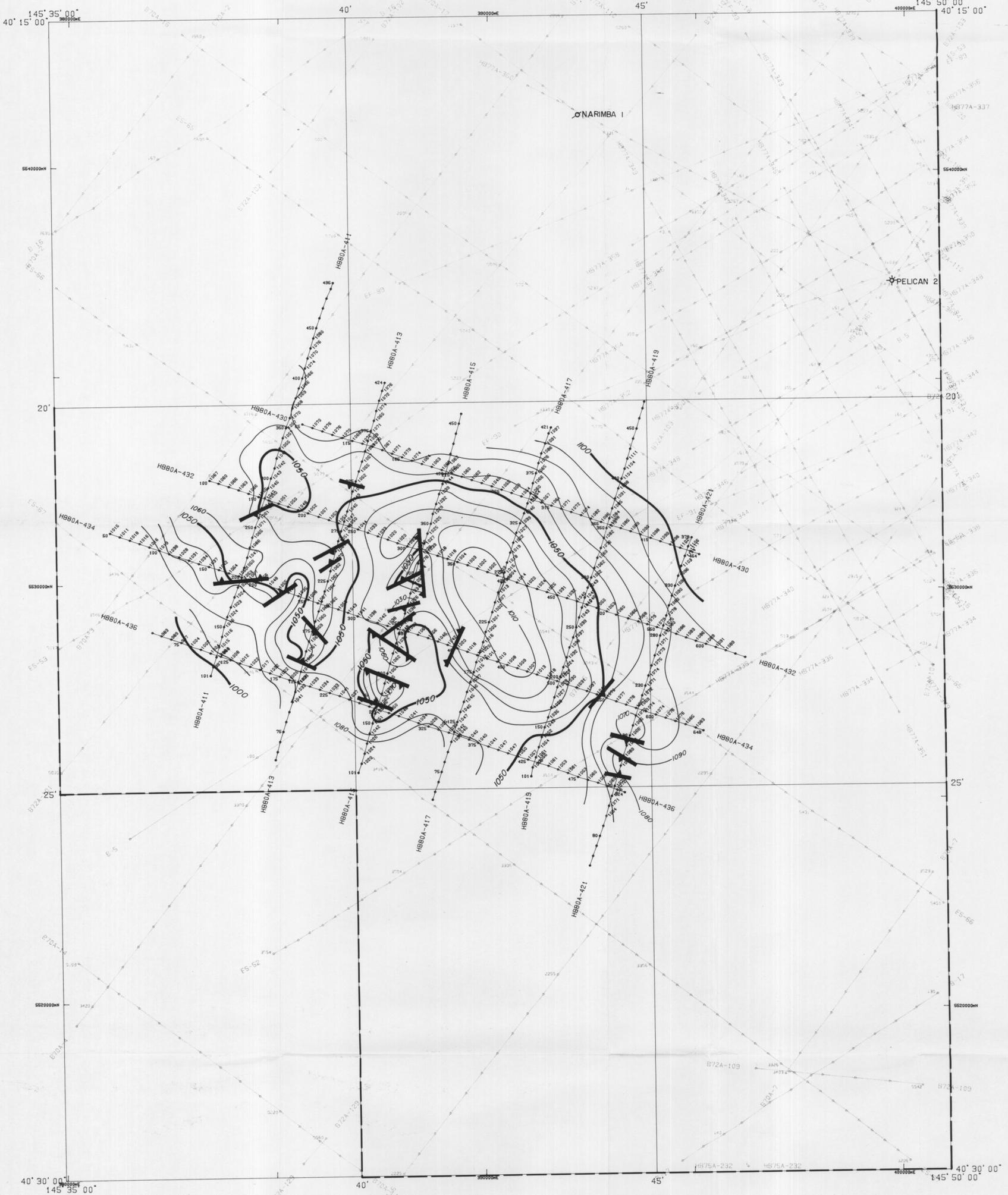
378026

CONTOUR INTERVAL : 10ms.      DATUM : MSL.  
AUTHOR : J. Guy                      DRAWN BY : J. Cookson  
DATE : October 1981                CHECKED BY :

OR-0349

OG-6709

A91919



SCALE 1:50,000  
MILES



KILOMETRES



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OIL AND GAS DIVISION  
(HEMATITE PETROLEUM PROPRIETARY LIMITED)

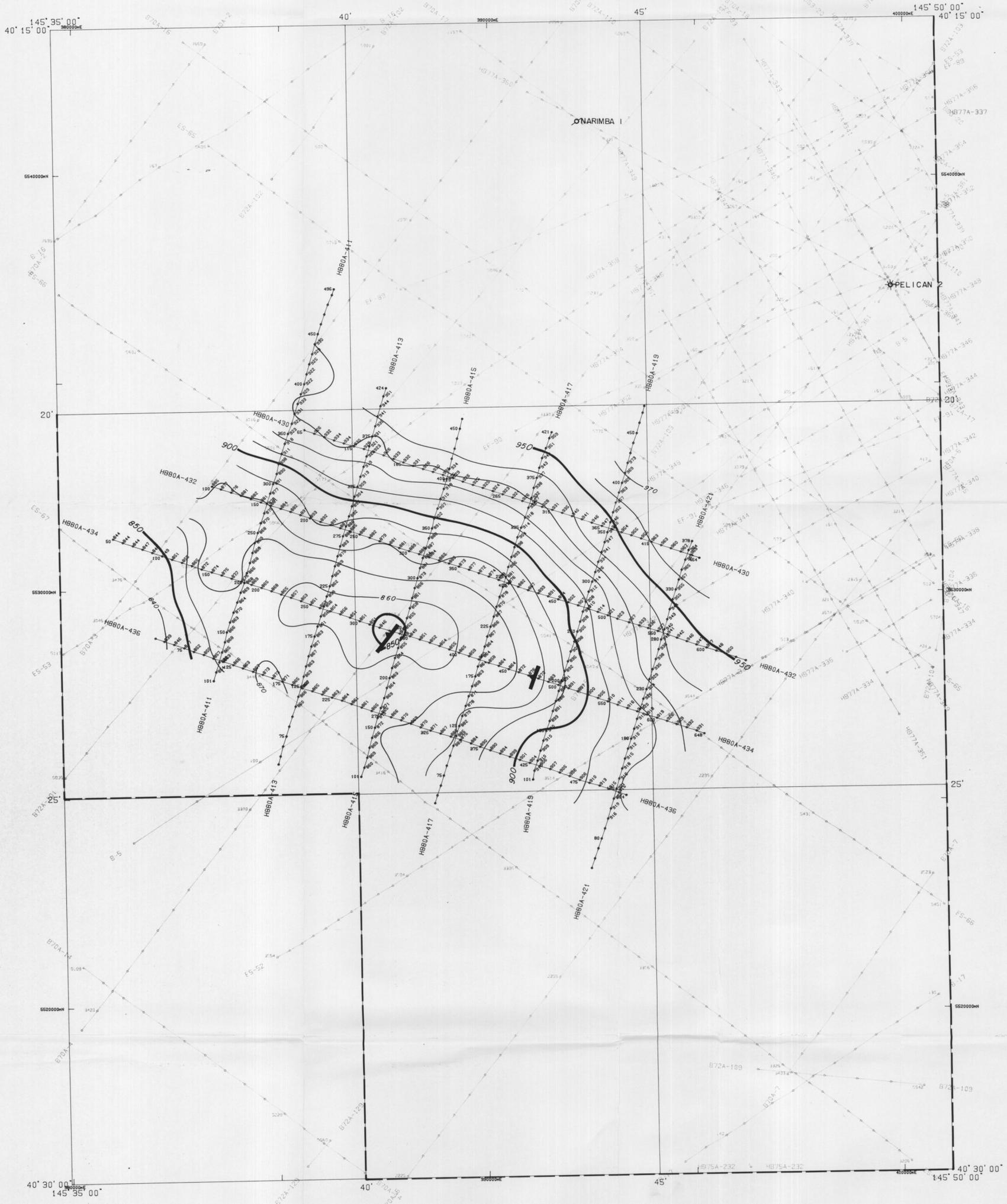
PIPIPA PROSPECT  
**HORIZON 22**  
**TIME**

378027

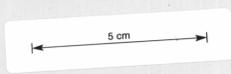
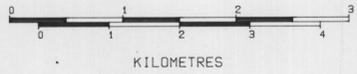
CONTOUR INTERVAL : 10 ms  
AUTHOR : J. Guy  
DATE : October 1981

DATUM : M.S.L.  
DRAWN BY : J. Cookson  
CHECKED BY :

A9/9/19



SCALE 1:50,000  
MILES



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OIL AND GAS DIVISION  
(HEMATITE PETROLEUM PROPRIETARY LIMITED)

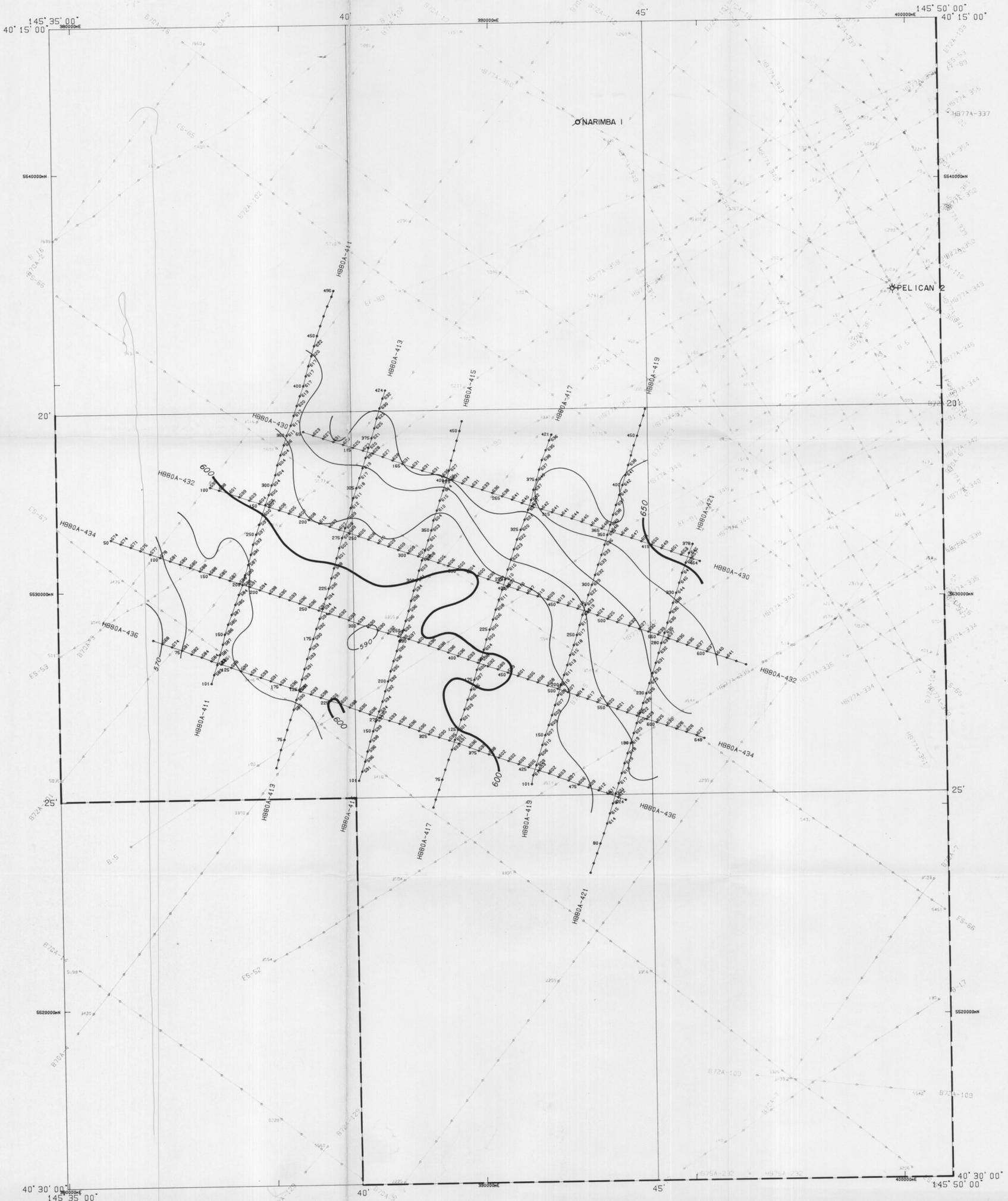
PIIPA PROSPECT  
**HORIZON 37**  
**TIME**

378028

CONTOUR INTERVAL: 10ms.      DATUM: MSL.  
AUTHOR: J. Guy      DRAWN BY: J. Cookson  
DATE: October 1981      CHECKED BY:

OR-0349      OG-6707

PIPIPA



SCALE 1:50,000  
MILES



KILOMETRES



THE BROKEN HILL PROPRIETARY CO. LTD  
OIL AND GAS DIVISION  
(HEMATITE PETROLEUM PROPRIETARY LIMITED)

PIPIPA PROSPECT

**HORIZON 51**  
(BASE OF THE LIMESTONE SECTION)  
**TIME**

CONTOUR INTERVAL : 10 m.

AUTHOR : J. Guy

DATE : October 1981

DATUM : MSL

DRAWN BY : J. Cookson

CHECKED BY :

378029

OR-0349

OG-6705

ENCLOSURE 14

**ATTACHEMENT XVI**  
**REPRESENTATIVE SEISMIC SECTIONS**

LINE HB80A-417  
SP 421 TO 47  
MIGRATION STACK

HEMATITE  
SECTION 52

NNE

CDP 682		
TIME MSEC	R. M. S. VEL M/SEC	
0	1500	
89	1500	
374	1838	
562	2000	
862	2199	
1387	2361	
1657	2400	
2295	3196	
5000	4706	

CDP 586		
TIME MSEC	R. M. S. VEL M/SEC	
0	1500	
104	1500	
379	1846	
578	2020	
849	2106	
1355	2295	
1623	2319	
2296	3203	
5000	4713	

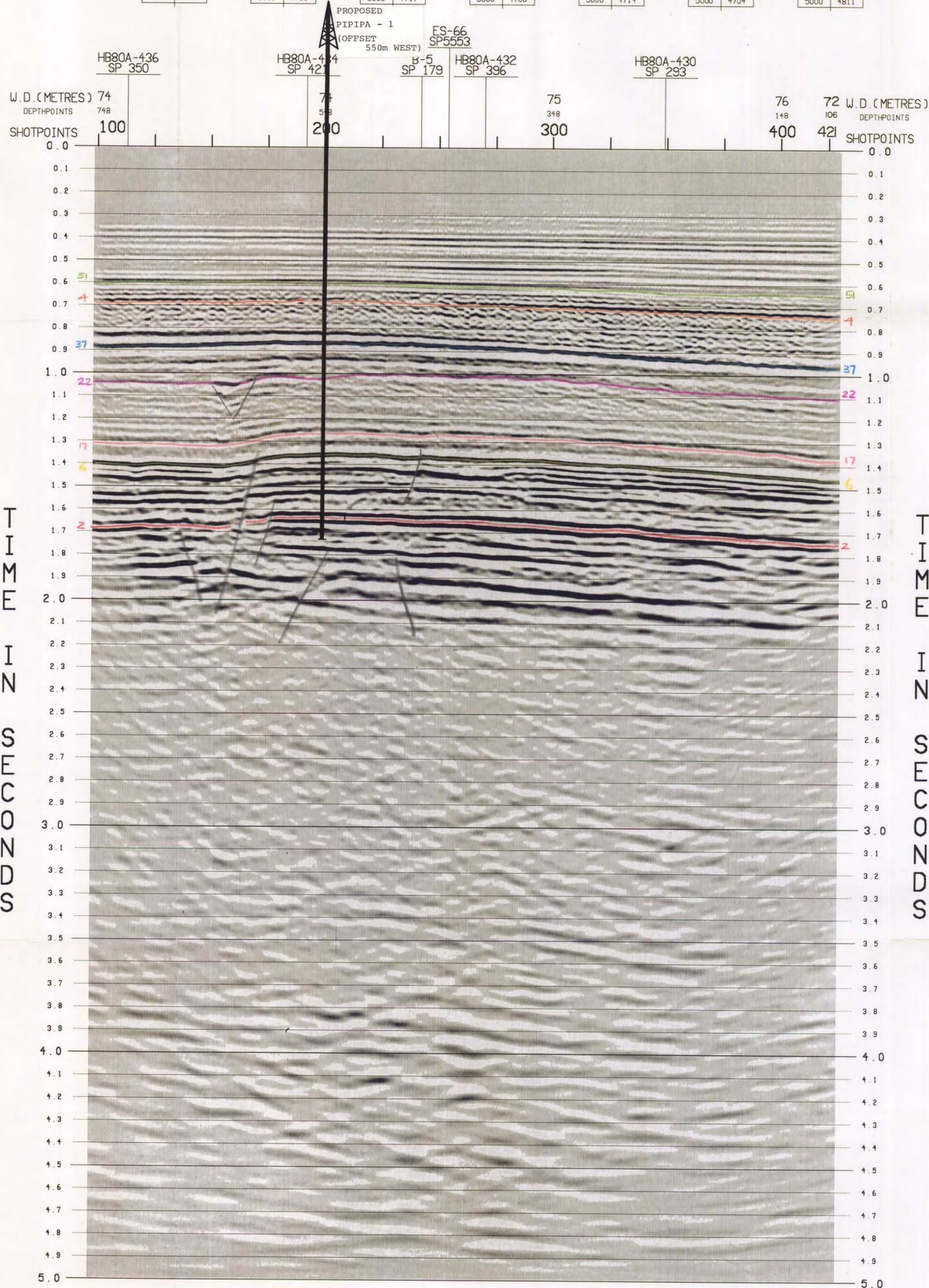
CDP 490		
TIME MSEC	R. M. S. VEL M/SEC	
0	1500	
99	1500	
390	1806	
585	1954	
837	2127	
1355	2194	
1623	2397	
2295	3210	
5000	4717	

CDP 394		
TIME MSEC	R. M. S. VEL M/SEC	
0	1500	
93	1500	
378	1813	
587	2065	
869	2136	
1365	2250	
1644	2373	
2293	3202	
5000	4708	

CDP 298		
TIME MSEC	R. M. S. VEL M/SEC	
0	1500	
102	1500	
408	1842	
598	2057	
887	2251	
1394	2312	
1673	2419	
2298	3193	
5000	4714	

CDP 202		
TIME MSEC	R. M. S. VEL M/SEC	
0	1500	
103	1500	
392	1904	
583	2119	
902	2159	
1420	2359	
1685	2463	
2294	3206	
5000	4704	

CDP 106		
TIME MSEC	R. M. S. VEL M/SEC	
0	1500	
96	1500	
404	1839	
579	2120	
946	2181	
1449	2358	
1727	2507	
2297	3212	
5000	4811	



### ACQUISITION

BOAT SURVEY EUGENE McDERMOTT II PARTY 2931  
NAVIGATION: ON SOURCE  
SHOTPOINTS ANNOTATED MAX IRAN  
SHOTPOINT INTERVAL 25 METRES  
POP INTERVAL 25 METRES  
SOURCE AIRGUN 23.76 LITRES  
AIR PRESSURE 13800 KPASCAL  
GUN DEPTH 7 METRES  
INSTRUMENTS DFS V 1 SYSTEM  
POLARITY: TROUGH=POSITIVE REFLEC. COEFF  
FIELD FORMAT SEG B  
SAMPLE RATE 4 MSEC  
FILTER: 0 8 HZ 18 DB/OCTAVE  
HI 128 HZ 72 DB/OCTAVE  
CABLE LENGTH 2424 METRES  
OFFSET 241 METRES  
NUMBER OF GROUPS 96  
GROUP INTERVALS 26 METRES  
HYDROPHONES/GROUP 15  
CABLE DEPTH 10-11 METRES  
DATE SHOT MAY 1980

### PROCESSING

96 TRACE, 48 FOLD, 5 SEC PROCESSING  
DP. INT. 12.5 METRES

- TRUE AMPLITUDE RECOVERY  
ALPHA: 4 DB/SEC T2: 5 SEC
- AIRGUN DELAY: -51 MILLISECONDS
- PREDECON RAMPING
- VELOCITY FILTERING  
CUTS: +3.125 AND -5.0 KM/SEC
- DESIGNATURE
- 48 FOLD CDP GATHER
- SHOT AND RECEIVER STATICS: 14 MSEC
- VELSCAN VELOCITY ANALYSIS (1 PER 1.2KM)
- NORMAL MOVEOUT
- SELECTIVE TRACE RAMPING
- 48 FOLD CDP STACK
- FILTERING: 39 POINT OPERATOR

TIME (SEC)	PASSBAND (HZ)
0-0	15-60
1-0	12-50
2-0	10-40
5-0	7-30

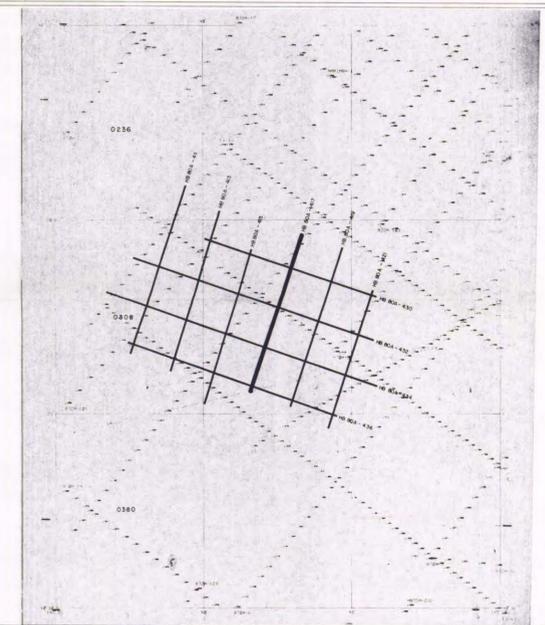
- WAVE EQUATION MIGRATION - WIDE ANGLE  
KIRCHHOFF F-K DOMAIN

### DISPLAY

NORMAL POLARITY  
DISPLAY SCALES: HORIZ- 20 TRACE/CM  
VERT - 10 CM/SEC  
DISPLAY MODE: WIGGLE TRACE/VAR ; 20% BIAS.

SCALE IN KILOMETRES  
1:25000

0KM 2KM 4KM



PROCESSED BY GSI PARTY 6854  
SYDNEY, NEW SOUTH WALES  
OCTOBER 1980

QUALITY CONTROL BY: 14/

LINE HB80A-434  
SP 648 TO 47  
FINAL STACK

HEMATITE  
SECTION 47

378032

5 cm

ENCLOSURE 16.  
OR-0349

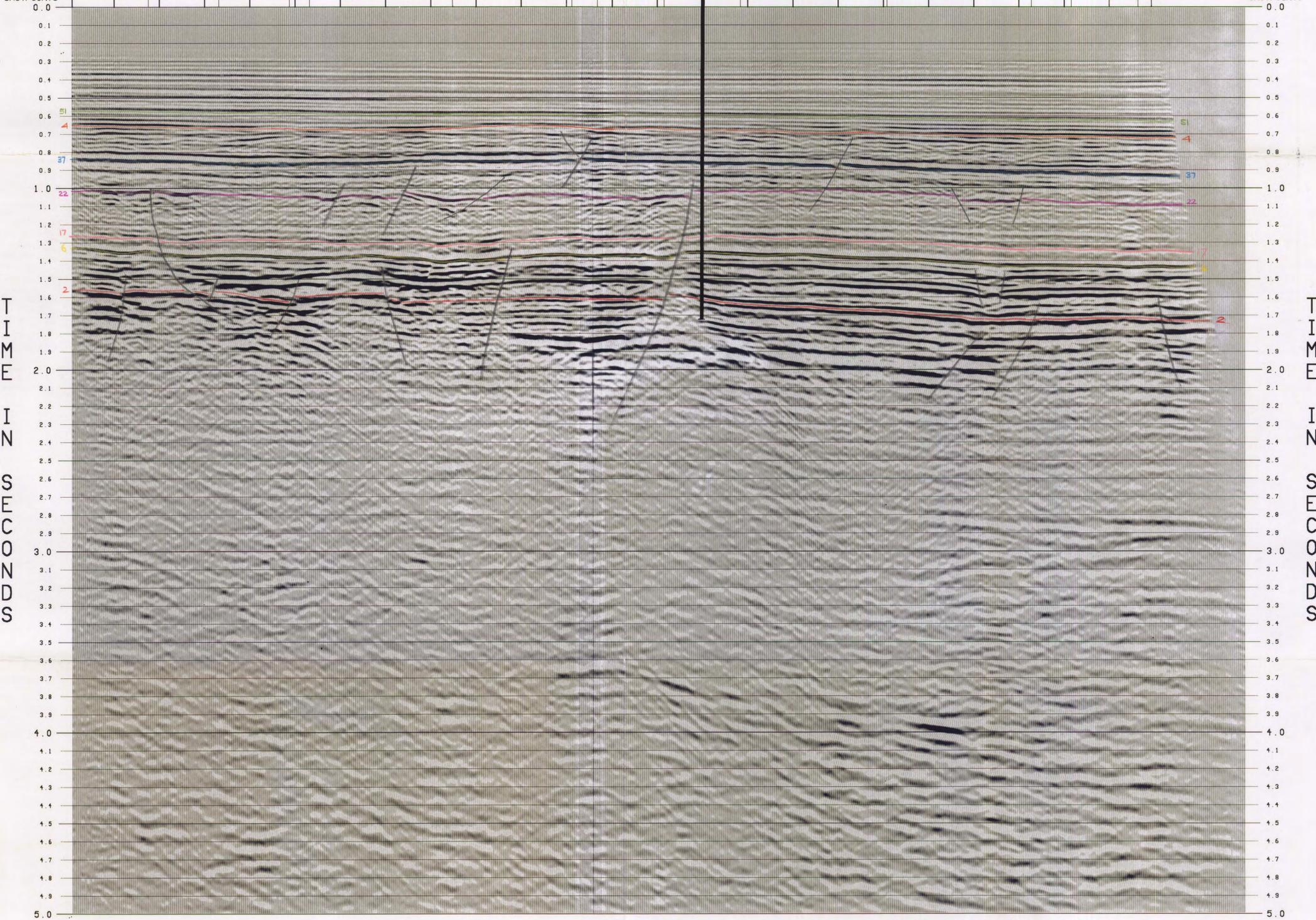
HEMATITE PETROLEUM PTY. LTD.  
HB80A SEISMIC SURVEY  
LINE HB80A-434 SP.648-47  
FINAL STACK

SE →

CDP 1162	CDP 1066	CDP 970	CDP 874	CDP 778	CDP 682	CDP 586	CDP 490	CDP 394	CDP 298	CDP 202	CDP 106	CDP 1	
TIME MSEC	R.M.S. VEL M/SEC												
0 1500	0 1500	0 1500	0 1500	0 1500	0 1500	0 1500	0 1500	0 1500	0 1500	0 1500	0 1500	0 1500	
100 1500	100 1500	100 1500	100 1500	100 1500	100 1500	100 1500	100 1500	100 1500	100 1500	100 1500	100 1500	100 1500	
372 1798	350 1817	370 1895	360 1900	390 1872	385 1890	395 1900	390 1847	380 1860	400 1898	410 1870	410 1870	410 1870	
630 2146	620 2180	640 2165	630 2110	647 2228	660 2172	675 2110	665 2112	685 2160	700 2125	700 2180	700 2180	700 2180	
890 2160	930 2180	912 2200	920 2182	904 2300	935 2200	960 2160	955 2203	1110 2330	1004 2300	1020 2360	1020 2360	1020 2360	
1510 2402	1518 2389	1590 2400	1590 2403	1623 2370	1512 2388	1515 2350	1525 2330	1575 2400	1570 2370	1580 2400	1580 2400	1580 2400	
1899 2503	1986 2507	1982 2455	2015 2710	2000 2710	1970 2630	1988 2650	2027 2787	2047 2870	2032 2855	2040 2813	2088 2700	2088 2700	
4500 4500	5000 4500	5000 4500	5000 4500	5000 4500	5000 4500	5000 4500	5000 4500	5000 4500	5000 4500	5000 4500	5000 4500	5000 4500	

W.D. (METRES) DEPTHPPOINTS SHOTPOINTS

B70A-3 SP3036	ES-53 SP5147	B72A-101 SP5860	HB80A-411 SP 200	HB80A-413 SP 202	B70A-4 SP3362	B-5 SP 181	PROPOSED PIPIPA - 1	HB80A-417 SP 192	HB80A-412 SP 195	HB80A-421 SP 207	ES-52 SP3636	ES-66 SP5508
68			70		72		78		74		75	73
1202			1002		802		602		402		202	106
100			200		300		400		500		600	648



ACQUISITION

BOAT SURVEY EUGENE MCDERMOTT II PARTY 2931  
 NAVIGATION: MAXIRAN  
 SHOTPOINTS ANNOTATED ON SOURCE  
 SHOTPOINT INTERVAL 25 METRES  
 POP INTERVAL 25 METRES  
 SOURCE AIRGUN 23 76 LITRES  
 AIR PRESSURE 13800 KPA  
 GUN DEPTH 7 METRES  
 INSTRUMENTS DF'S V 1 SYSTEM  
 POLARITY: TROUGH-POSITIVE REFLEC. COEFF  
 FIELD FORMAT SEG B  
 SAMPLE RATE 4 MSEC  
 FILTER: HI 128 HZ 18 DB/OCTAVE  
 CABLE LENGTH 2424 METRES  
 OFFSET 242 METRES  
 NUMBER OF GROUPS 96  
 GROUP INTERVALS 25 METRES  
 HYDROPHONES/GROUP 25  
 CABLE DEPTH 10-11 METRES  
 DATE SHOT MAY 1980

PROCESSING

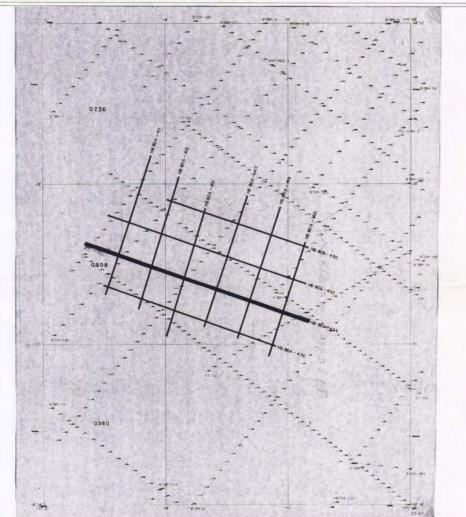
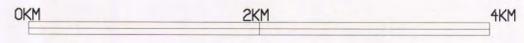
96 TRACE, 48 FOLD, 5 SEC PROCESSING  
 DP INT. 12.5 METRES

- TRUE AMPLITUDE RECOVERY
- AIRGUN DELAY: -51 MILLISEC
- PREDECON RAMPING
- VELOCITY FILTERING  
CUTS: \*3.125 AND -5.0 KM/SEC
- DESIGNATURE
- 48 FOLD CDP INTERVALS
- SHOT AND RECEIVER STATICS: 14 MSEC
- VEL SCAN VELOCITY ANALYSIS (1 PER 1.2KM)
- NORMAL MOVEOUT
- SELECTIVE TRACE RAMPING
- 48 FOLD CDP STACK
- FILTERING: 39 POINT OPERATOR

TIME (SEC)	PASSBAND (HZ)
0-0	15-60
1-0	12-50
2-0	10-40
5-0	7-30

DISPLAY

NORMAL POLARITY  
 DISPLAY SCALES: HORIZ- 20 TRACE/CM  
 VERT - 10 CM/SEC  
 DISPLAY MODE: WIGGLE TRACE/VAR ; 20% BIAS.  
 SCALE IN KILOMETRES  
 1:25000



PROCESSED BY GSI PARTY 6854  
 SYDNEY, NEW SOUTH WALES  
 OCTOBER 1980  
 QUALITY CONTROL BY: [Signature]