

**Boral Energy Resources
Limited**

TPR
OR-462A

Investigator 3D MSS

T/30P

Tasmania

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

APPLICATION FOR PERMISSION TO CONDUCT A GEOPHYSICAL SURVEY

To: The Designated Authority
 Mineral Resources Tasmania
 30 Gordons Hill Rd
 Rosney Park TAS 7018

BORAL ENERGY RESOURCES LIMITED

of 60 Hindmarsh Square Adelaide SA

being the operator

of Exploration Permit No T/30P

situated in the area specified as being adjacent to the state of

TASMANIA hereby applies for permission to conduct a geophysical
 survey, and submit the following information in support thereof:-

- | | | |
|----|---|--|
| 1. | Name of survey | Investigator 3D MSS |
| 2. | Prime survey | 3D seismic reflection |
| 3. | Secondary survey | n/a |
| 4. | Exploration Permit No. | T/30P |
| 5. | Application for Access
Authority attached.
(Required only if lines
extend beyond the
applicant's permits) | n/a |
| 6. | Consent of other permittees
attached (Required only
if lines extend onto another
holder's permit) | n/a |
| 7. | Name and address of
the Contractor | Western Geophysical

2 nd Level, Sheraton Court

207 Adelaide Terrace

East Perth WA 6004 |
| 8. | Name of seismic vessel | R/V Western Pride |
| 9. | Port from which the
vessel will operate | Vessel will not come into port. Crew changes will be by
helicopter. |

- | | | |
|-----|--|--|
| 10. | Technique | 3D marine seismic reflection |
| 11. | Energy source | Dual source 2250cu in air gun array |
| 12. | Proposed commencing date | 20 th December 1999 |
| 13. | Estimated duration | 40 days (In conjunction with VIC/P43) |
| 14. | Navigational system | DGPS |
| 15. | Square kms | 252 |
| 16. | Estimated cost | A\$2.55 million |
| 17. | Object of survey | To image the Waarre sand stone in a faulted 4-way dip closure. |
| 18. | Three (3) plans showing the proposed lines and seven (7) copies reduced to A4 size attached. | See attached |
| 19. | Technical details of vessel attached (If not previously supplied) | See attached |
| 20. | Other information it is desired to have considered by the Designated Authority | An Environmental Plan has been submitted which is combined with VIC/P43. Also included is the Western Geophysical , Western Pride Safety Case
The combined T/30P & VIC/P43 Project plan to be submitted |

Dated at Adelaide this 26th day of November 1999


JENNY BAUER
 Manager, Offshore Exploration

All queries concerning this application should be addressed to

Doug Roberts

Phone No. 08 82353757

Notes:

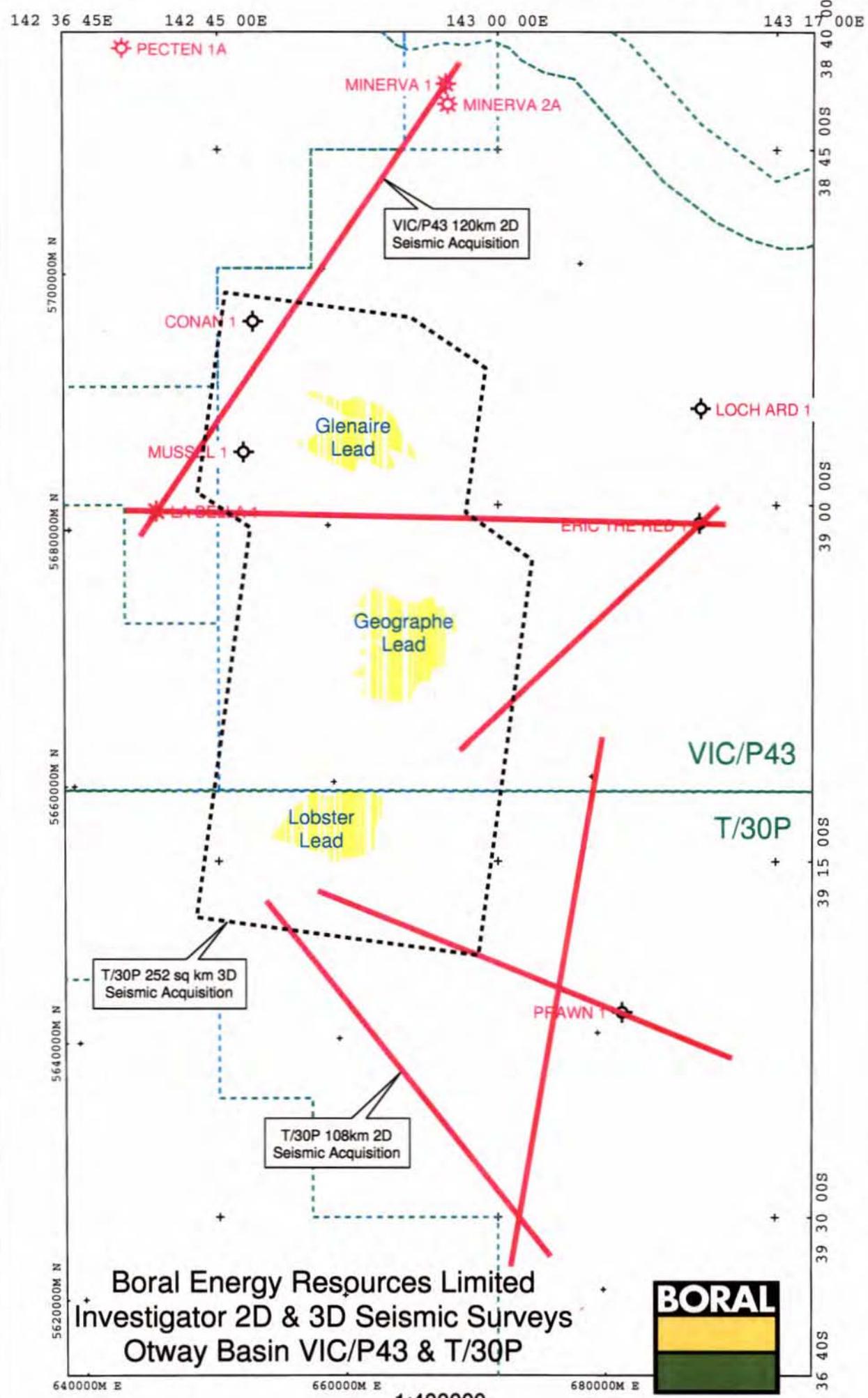
The attention of applicants is drawn to the requirements of all Directions issued under the Petroleum (Submerged Lands) Act 1967.

WESTERN PRIDE VESSEL SPECIFICATION**Vessel Specifications**

Vessel Name	Western Pride
Port of Registry	Panama
Flag	Republic of Panama.
Year Built	1991
Where Built	Ulsteinvik, Norway
Builders Name	Ulstein Verft AS
Built As	Seismic Survey Vessel
Vessel Upgrade	March - June 1998 Aarhus Denmark
Classification Society	Det Norske Veritas
Classification	DnV 1A1,ICE-C, EO, HELDK.
Registration number	19993-9.
Call sign	3EYQ8.
Owners	Western Sea Services
Operators	Western Geophysical a division of Baker Hughes
Dimensions	
Length	71.5 metres.
Beam	17.0 metres.
Draft	5.9 metres.
Gross Tonnage	2,945
Net Tonnage	883
Maximum Cruising speed	14 knots.
Cruising range	36 days + 4 days emergency fuel / 11,000 nautical miles
Fuel capacity	1,000 cubic metres (900 service + 100 emergency)
Fuel Consumption cruising	+/- 25 cubic metres / day
Fuel Consumption shooting	+/- 28 - 30 cubic metres per day = +/- 30 - 32 days
Main Engine Lube oil capacity	12 cubic metres (12,000 litres).
Cable oil capacity	16 cubic metres (16,000 litres).
Freshwater capacity	110 cubic metres
Freshwater making capacity	1 x Serck COMO, RXT 12/8, 12 tons/day. 1 x Aqua Sep 9 tons/day reverse osmosis.
Freshwater endurance	Unlimited - water makers.
Accommodation capacity	56 + 1 Hospital.
Helideck	Rated up to & including AS 332 Super Puma, S76, Bell 212 helicopters,
Helideck Approval	CAA/DNV approved.
Lifeboats	2 x 48 , enclosed, diesel driven.
Liferafts	8 x 16 man as per SOLAS requirements.
FRC	1 x Seabear 23 inboard diesel, davit deployed.
Work boat	1 x CMV (Cable Maintenance Vessel)
Main Engines	2 x Bergen Diesel BD32M6, each of 3,600 bhp.
Propulsion	2 x 4 bladed Ulstien - Liaaen variable pitch.
Main generators	2 x Leroy Somer 1,665 kVA, 450V/60 Hz, 3 phase, shaft driven.
Aux. Generator	1 x Caterpillar 3512 900 KVA, 450V
Clean Power	2 x 75KVA, 208/120, 60 Hz
Bow thruster	Ulstien - Liaaen 150 TV 800 hp, variable pitch propeller .
Incinerator	Teamtec / Golar Marine Incinerator - garbage & waste oil

Safety Case: Operational Description

Fixed Fire Fighting systems	Halon - Engine / Compressor spaces, Recording room, tape store, hydraulic room, Galley and Incinerator room. Foam (AFFF) - Cable Reels and Helideck. CO2 - Paint locker.
Seismic Hydraulic Equipment	Odim
Navigation	SAL Log 502-6 electromagnetic speed log. Furuno FAR-2822, X band ARPA. Decca Marine Bridgemaster 343/12E, S band ARPA. Furuno FSN-50 transit satellite receiver. Furuno GP-500 GPS receiver. Furuno LC-90 Mk II Loran-C receiver. Furuno FD-525 VHF direction finder. Furuno FE-680 echo sounder, 0-2,100 metres. Furuno DFax 208-A weather facsimile receiver. Sait Navtex 2 - XH5123 receiver. Robertson AP9 Mk II autopilot. C Plath SR-180 Mk1 gyrocompass. Taiyo TD-C318 emergency automatic direction finder.
Emergency Positioning	2 x Jotron Search and Rescue Transponders (SARTS) Jotron X-94492 Sarsat Cospas 406 MHz EPIRB
Communications (GMDSS STANDARDS)	Vingtor shipboard communications system Thrane & Thrane TT 3000 standard-C Inmarsat telex system. Thrane & Thrane TT 3210A integrated radio telex system. 2 x Skanti DSC 3000 VHF DSC Controller Receiver 2 x Skanti TRP-3000 VHF radios (to 5 slave handsets) Sailor RT 2047 VHF radio/telephone. Skanti DSC 9000 MF/HF DSC Contoller / Receiver. Skanti Control Unit 8000 HF-SSB Transceiver. Skanti WR 6000 Watch Receiver 2182 kHz. 2 x Navico GMDSS hand held VHF radios. Sailor RT 2047 VHF radio / telephone, simplex & duplex. Jotron TR-6102 AM/VHF aeronautical radio Dittel FSG 7MPS UHF Transceiver aeronautical radio
Inmarsat	JRC Inmarsat A - JUE 45A Mk II - Voice, telex, fax, data
V-sat	Data Marine Systems C band - Voice, fax, data



Boral Energy Resources Limited
 Investigator 2D & 3D Seismic Surveys
 Otway Basin VIC/P43 & T/30P



OR-0462A
 ENCLOSURE 1.



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TRUE NORTH IS SHOWN
FOR THE CENTRE OF THE MAP

5 cm

1: 100000
0 1 2 3 4 5
KILOMETRES

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
AUSTRALIAN NATIONAL SPHEROID
CENTRAL MERIDIAN 141 00 00E

594008

BORAL ENERGY

Otago Basin Victoria/Tasmania
INVESTIGATOR 3D + 2D
VIC/P43 & T/30P

Author	Editor	Checker	Approver	Drawn By	Checked By