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CSR Developing Australia's oil and gas resources

CSR549

Commonwealth Game Brisbane 1982 A Major Sponsor

CSR Limited is a major participant in Australian oil and gas exploration and development. It produces gas for the Adelaide, Sydney and Brisbane markets from the Cooper Basin, South Australia and the Roma area of Queensland. Through AAR Limited (100% CSR), it operates the Roma-Brisbane gas pipeline. The Richter Drilling group (100% CSR) is Australia's largest oilfield drilling contractor.

Overseas, CSR produces oil in Indonesia, is exploring in offshore China and drills for geothermal energy in the Philippines. Through Delhi Petroleum Pty Ltd, CSR is participating in the

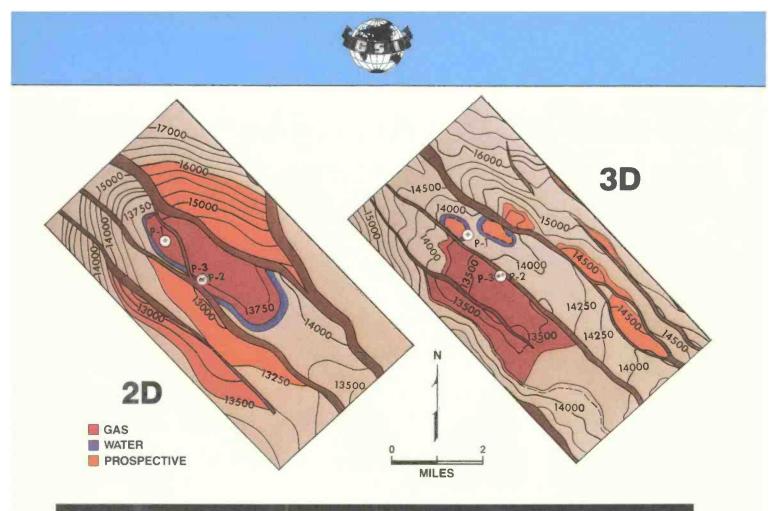
\$1,055 million programme to develop the Cooper Basin liquids reserves.

A major search for new oil and gas to augment Australia's limited reserves is being carried out by Delhi and AAR in the Cooper, Eromanga, Surat, Bowen and other Australian basins.

CSR, managed and substantially owned by Australians, is a large, diversified and growing company also operating in coal, sugar, minerals, aluminium, chemicals and building materials.

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Improve interpretational reliability with 3D Seismic Surveys

A consortium comprised of Texaco Trinidad Inc., Trinidad and Tobago Oil Company Ltd., and Trinidad-Tesoro Petroleum Company Ltd. commenced exploration on the Pelican prospect off the southeast coast of Trinidad in 1973. After four years of intensive exploration, a gas/ condensate discovery was announced in early 1977. Later that year, in anticipation of the possible future need to site drilling/ production platforms, a 3D seismic survey by GSI was recorded over the prospect.

This survey resulted in Improvements in seismlc record quality, multiple attenua-

tion and fault resolution. A coordinated geological-geophysical interpretation based on the 3D seismic survey and a re-evaluation of log correlations differed significantly from earlier interpretations. Because of this, it is anticipated that development of the field will need to be initiated in a different fault block than previously **envisioned**.

Put 50 years of innovative history, 6 years of proven 3D experience and the best techniques in the industry to work on your next 3D seismic survey. Contact the GSI office in your theater of operations for project planning and program details.





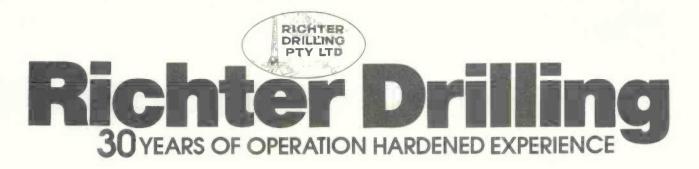
Seismic surveys in Australia

Seismograph Service Ltd have operated seismic surveys in Australia for nearly 4 decades. Today SSL Australia headquarters are located in a modern office block in Adelaide. SSL's services available to the Australian Oil Industry include newly equipped Vibroseis* crews, data processing through the new VAX based hardware and well velocity and VSP surveys with VAX processing in Adelaide.

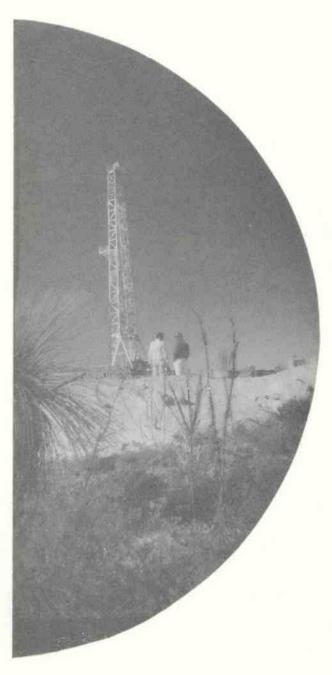
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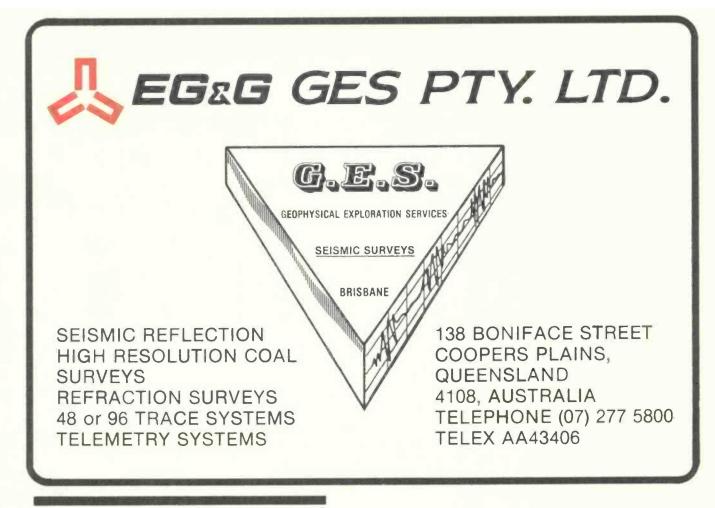
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Our 'Lady' vessels provide transport for drilling equipment, spares, casing, construction components, fuel, food and bulk commodities as well as refrigeration containers. Comfortable passenger accommodation is standard.

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Our vessels and crews are experienced in large operations involving jacket towing, module transportation, pipeline laying and undersea ploughing.

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We can handle all types of anchors in all weather conditions. Hefty winches and a heavy stern roller facilitate running, setting, or recovery and clearing of 'fouled' anchors.

Salvage

'Lady' vessels are equipped with pumps, compressors and heavy gear, enabling them to handle most salvage jobs. Oil dispersant equipment and chemicals are standard. Appropriate stocks of salvage gear, ground tackle and pumps are available at short notice.

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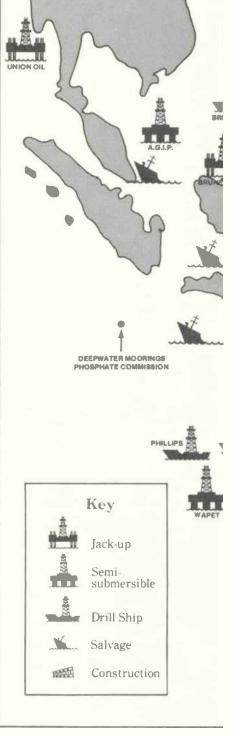
We are equipped for any local, coastal or deepwater tows for any type of offshore rig, construction or pipelaying barges and jackets.

Industrial Representation

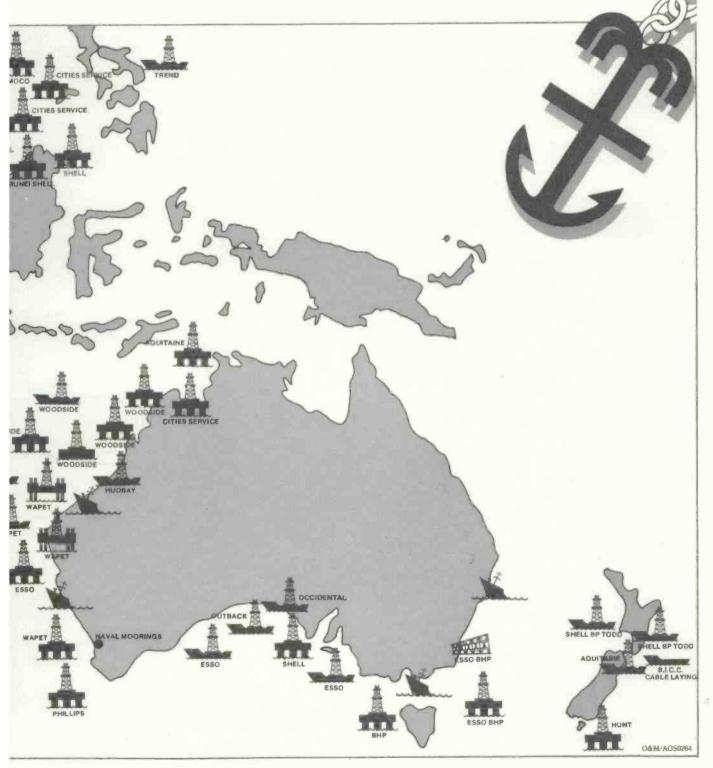
The 'Lady' Fleet and charter capabilities, together with our 'Down Under' expertise in marine industrial representation add up to an unparalleled service to the Australian and South East Asian Offshore Industry. We also provide services that include: marine crewing, marine superintendance of rig moves, ocean tows, mooring and positioning of rigs. Salvage and diving teams, underwater inspections, television and photography can easily be accommodated.

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