

(12) STANDARD PATENT APPLICATION (11) Application No. **AU 2002300212 A1**
(19) AUSTRALIAN PATENT OFFICE

(54) Title
Method And Apparatus For Jet Drilling Drainholes From Wells

(51)⁷ International Patent Classification(s)
E21B 010/60 E21B 007/18
E21B 007/08

(21) Application No: **2002300212** (22) Date of Filing: **2002.07.23**

(43) Publication Date: **2004.02.12**
(43) Publication Journal Date: **2004.02.12**

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METHOD AND APPARATUS FOR JET DRILLING DRAINHOLES FROM WELLS

ABSTRACT

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Nozzle jet drill bits for drilling drainholes from a wellbore are provided in a 4 1/2-inch or larger casing. The drills are small enough to allow use of a bit diverter to turn the bits about 90 degrees in the casing when attached to an elastomeric high-pressure tube. Pumping of fluid, which may contain abrasive particles, through the bits allows drilling
10 though the wall of casing, if present, and continued drilling into a formation surrounding the well without withdrawing the bit from the well. Direction-indicating instruments and geophones may be used to measure or monitor direction and location of the bit. One type of jet drill that may be used can change direction of drilling by controlling pressure at the bit.