

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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PETROLEUM GEO-SERVICES INC.  
and  
ION GEOPHYSICAL CORPORATION  
AND ION INTERNATIONAL S.A.R.L.  
Petitioners,

v.

WESTERNGECO, LLC  
Patent Owner.

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Case IPR2014-00689<sup>1</sup>

U.S. Patent No. 7,293,520

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**PETITIONER PETROLEUM GEO-SERVICES INC.'S NOTICE OF  
APPEAL**

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<sup>1</sup> Case IPR2015-00565 has been joined with this proceeding.

Notice is hereby given, pursuant to 37 C.F.R. § 90.2(a), that Petitioner Petroleum Geo-Services Inc. (“PGS”) hereby appeals to the United States Court of Appeals for the Federal Circuit from the Final Written Decision entered December 15, 2015 (Paper 101) (the “Final Written Decision”) as it relates to claims 1, 6, 18, and 23 of U.S. Patent No. 7,293,520 (“the ’520 patent”) and any finding or determination supporting or relating to that decision, including the Decision on Institution of *Inter Partes* Review entered December 15, 2014 (Paper 32) (the “Institution Decision”).

In accordance with 37 C.F.R. § 90.2(a)(3)(iii), PGS further indicates that the issues on appeal include, but are not limited to, the Patent Trial and Appeal Board’s determinations that PGS did not demonstrate a reasonable likelihood that it would prevail on the grounds of unpatentability of claims 1, 6, 18, and 23 the ’520 patent as obvious over the ’636 PCT (Ex. 1006) in view of the ’153 PCT (Ex. 1007) and as obvious over the ’636 PCT in view of Dolengowski (Ex. 1008), and any finding or determination supporting or relating to those issues, as well as all other issues decided adversely to PGS in any orders, decisions, rulings, and opinions.

Pursuant to 37 C.F.R. § 90.2(a), with this submission: (1) a copy of this Notice of Appeal is being filed electronically with the Patent Trial and Appeal Board in accordance with 37 C.F.R. § 42.6(b); (2) a paper copy of this Notice of

Appeal, an electronic copy of this Notice of Appeal on the CM/ECF Document Filing System, and the docketing fee of \$500 are being simultaneously filed with the Clerk's Office for the United States Court of Appeals for the Federal Circuit; (3) the original of this Notice of Appeal is being filed by hand with the United States Patent and Trademark Office as provided in 37 C.F.R. § 104.2; and (4) a copy of this Notice of Appeal is being served on Patent Owner WesternGeco, LLC.

Dated: May 31, 2016

Respectfully submitted,

/David Berl/  
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## CERTIFICATE OF FILING

The undersigned hereby certifies that, in addition to being electronically filed through PRPS, the above-captioned *Petitioner Petroleum Geo-Services Inc.'s Notice of Appeal* is being filed by hand with the Director on May 31, 2016, at the following address:

Director of the United States Patent and Trademark Office  
c/o Office of the General Counsel  
Madison Building East, 10B20  
600 Dulaney Street  
Alexandria, VA 22314-5793

The undersigned also hereby certifies that a true and correct paper copy of the above-captioned *Petitioner Petroleum Geo-Services Inc.'s Notice of Appeal*, a true and correct electronic copy of the above-captioned *Petitioner Petroleum Geo-Services Inc.'s Notice of Appeal*, and the docketing fee of \$500 are being filed by hand, CM/ECF, and Pay.gov, respectively, with the Clerk's Office of the United States Court of Appeals for the Federal Circuit on May 31, 2016.

Dated: May 31, 2016

Respectfully submitted,

/David Berl/  
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725 Twelfth Street, N.W.  
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Phone: 202-434-5491

**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that the above-captioned *Petitioner Petroleum Geo-Services Inc.'s Notice of Appeal* was served on May 31, 2016, by delivering a copy via electronic mail upon the following attorneys of record.

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Respectfully submitted,

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