

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 70 and 71, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

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| Licensee 1. Well Data Services, Inc. | | In accordance with application dated October 18, 2016, | 4. Expiration Date: March 31, 2022 |
| 2. P.O. Box 7 Vasant, VA 24656 | | 3. License number: 45-25569-01 is amended in its entirety to read as follows: | 5. Docket No.: 030-35769 Reference No.: |
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license | 9. Authorized use |
| A. Cesium-137 | A. Sealed Sources (Isotope Products Laboratories, Model HEG-137) | A. 600 millicuries per source and 750 millicuries total | A. For use in oil, gas, mineral, and geophysical well logging. |
| B. Cesium-137 | B. Sealed Sources (Gamma Industries, Inc., Model VD[HP]; Gulf Nuclear Inc., Model VL-1) | B. 750 millicuries total | B. For use in oil, gas, mineral, and geophysical well logging. |
| C. Americium-241 | C. Sealed Sources (Gammatron Inc., Model AN-HP) | C. 250 millicuries total | C. For use in oil, gas, mineral, and geophysical well logging. |

CONDITIONS

10. Licensed material used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

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If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

11. The Radiation Safety Officer (RSO) for this license is Lee S. Anthony, Ph.D..
12. Licensed material shall only be used by, or under the supervision and in the physical presence of the Radiation Safety Officer, or individuals who have been trained in accordance with the facsimile dated March 14, 2012. The licensee shall maintain records of individuals designated as logging supervisor(s) and logging assistant(s).
13. A. Notwithstanding the periodic leak test required by 10 CFR 39.35, the requirement does not apply to sources, except sources containing plutonium, that are stored and not being used. The sources exempted from this periodic test shall be tested for leakage before use or transfer to another person.

B. Sealed sources authorized for use other than well logging shall be tested for leakage and shall be inventoried in accordance with 10 CFR 39.35 and 10 CFR 39.37.

C. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
14. The licensee shall ensure that each source holder or tool containing radioactive material bears a durable and clearly visible label bearing the radiation symbol and the words "Caution, Radioactive Material." The label must be on the smallest component that contains the licensed material which is transported as a separate piece of equipment.
15. Sealed sources containing licensed material shall not be opened by the licensee.
16. The opening, repair, or modification of any Energy Compensation Source must be performed by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

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17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated September 21, 2011 (ML112700587), except Item 10 (radiation safety program)
- B. Facsimile dated March 14, 2012 (ML12075A100)
- C. Memorandum dated May 22, 2012 (ML12166A048)
- D. Letter dated January 9, 2017

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: January 18, 2017By: Dennis Lawyer
Region 1