(05-2012)	NUCLEAR REGULATORY COMMISSIO	N APPROVED BY OMB: NO. 3150-0120 EXPIRES: (05/31/2015) Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of
10 CFR 30, 32, 33, 34, 35, 36, 39, and 40	ت	the application is necessary to determine that the applicant is qualified and that adequate procedures exist
		to protect the public health and salety. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by
APPLICATION F	OR MATERIALS LICENSE	internet e-mail to Infocollects. Resource@mrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC
		20503. If a means used to impose an information collection does not display a currently valid OMB control
		number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.
		GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. TO THE NRC OFFICE SPECIFIED BELOW.
APPLICATION FOR DISTRIBUTION	OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:	IF YOU ARE LOCATED IN:
OFFICE OF FEDERAL & STATE ENVIRONMENTAL MANAGEME		KLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:
DIVISION OF MATERIALS SAFE U.S. NUCLEAR REGULATORY (
WASHINGTON, DC 20555-0001		U.S. NUCLEAR REGULATORY COMMISSION, REGION 11 2443 WARRENVILLE ROAD, SUITE 210
ALL OTHER PERSONS FILE APPLK	ATIONS AS FOLLOWS:	LISLE, IL 00532-4352
IF YOU ARE LOCATED IN:		
	IÀRE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA ASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY,	
NEW YORK, NORTH CAROLINA, PE	SINSYLVANIA, PÜERTO RICO, RHODE ISLAND, SOU IT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,	TH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,
SEND APPLICATIONS TO:	(47-35025-01	SEND APPLICATIONS TO:
LICENSING ASSISTANCE TEAM		NUCLEAR MATERIALS LICENSING BRANCH 03038597
DIVISION OF NUCLEAR MATER U.S. NUCLEAR REGULATORY (U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 1600 E. LAMAR BOULEVARD
2100 RENAISSANCE BOULEVA KING OF PRUSSIA, PA 19408-2		ARLINGTON, TX 78011-4511 03/20
PERSONS LOCATED IN AC	REENENT STATES SEND APPLICATIO	DNS TO THE U.S. NUCLEAR REGULATORY COMMESSION ONLY IF THEY
		UBJECT TO U.S.NUCLEAR REGULATORY COMMISSION JURISDICTIONS.
1. THIS IS AN APPLICATION FOR (Check appropriate lism)	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)
A. NEW LICENSE		U.S. Well Services, LLC 770 South Post Oak Lane LL 35025
B. AMENDMENT TO LICE	NSE NIMBER	The bound if ose out Land
		- Suite 405
C. RENEWAL OF LICENS	E NUMBER	Houston, TX. 77056
3. ADDRESS WHERE LICENSED M	TERIAL WILL BE USED OR POSSESSED	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION
U.S. Well Services, Inc.		John Drake
533 Industrial Park Drive		BUSINESS TELEPHONE NUMBER BUSINESS CELLULAR TELEPHONE NUMBER
Jane Lew, WV 26378		(304) 373-5926
		BUSINESS EMAIL ADDRESS
		JDrake@uswellservices.com
SUBMIT ITEMS 5 THROUGH 11 ON 5. RADIOACTIVE MATERIAL	4-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFO	RMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.
a. Element and mass number; b. c	hemical and/or physical form; and c. mabdmum amount	8. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
which will be possessed at any	OR RADIATION SAFETY PROGRAM AND THER	
TRAINING EXPERIENCE.		8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.
9. FACILITIES AND EQUIPMENT.		10. RADIATION SAFETY PROGRAM.
11. WASTE MANAGEMENT.		12. LICENSE FEES (See 10 CFR 170 and Section 170.37)
		FEE CATEGORY 03120 ENCLOSED \$ 1,500.00
13. CERTIFICATION. (Must be com UPON THE APPLICANT.	eleted by applicant) THE APPLICANT UNDERSTANDS	THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING
THE APPLICANT AND ANY OFFICIA		THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN
THE BEST OF THEIR KNOWLEDGE	AND BELIEF.	I, 35, 38, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO
	TACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A C THE UNITED STATES AS TO ANY MATTER WITHIN	RIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO IT'S JURISDICTION.
CERTIFYING OFFICER - TYPED/PR		SIGNATURE DATE
Robert C	KULTZ	Rat (1207 11-28-12
Mainten	ANCE MANASY/	11 28-12
	FOR	I NRC USE ONLY
TYPE OF FEE FEE LOG		HECK NUMBER COMMENTS
APPROVED BY		ATE
NRC FORM 313 (05-2012)		
-		57959

REC'D IN LAT 12-12-12

579597 NMSS/RGN1 MATERIALS-002

Appendix H Fixed Mobile Gauge Use At Temporary Job Site

Operating Procedures

Before removing the gauge from its place of storage, ensure that, where applicable, each gauge source is in the fully shielded position with shutter locked in the closed position. Shutterless gauges will have a piece of stock cut to length placed inside so as to prevent someone from placing their hands inside of the gauge and receiving an accidental dose.

Sign out the high pressure gauge in a log book (that remains at the storage location) including the date(s) of use, name(s) of the authorized users who will be responsible for the gauge, and the temporary job site(s) where the gauge will be used. Low pressure gauges will be tracked by truck dispatch each LP gauge is assigned to and installed in specific trucks.

The High pressure shutterless gauge will always be blocked, braced, and chained inside of a locked compartment on the data vans during transportation. Follow all applicable Department of Transportation (DOT) requirements when transporting the gauge.

Use the gauge according to the manufacturer's instructions and recommendations. (Note: When in operation shuttered systems will never be locked in the on position.)

Do not place hands, fingers, feet, or other body parts in the radiation field from an unshielded source.

After operation, immediately return the shutter the source.

Always maintain constant surveillance and immediate control of the gauge when it is not in storage. At job sites, do not walk away from the gauge when it is left on the ground until it is fully installed. The operator will ensure that they account for the gauges daily at the beginning and end of the day when on a job site. Take action necessary to protect the gauge and yourself from danger of moving heavy equipment.

Always keep unauthorized persons away from the gauge. (Note: All Frac sites (temporary job location) are secure and closed to the public.)

Perform routine cleaning and maintenance according to the manufacturer's instructions and recommendations.

When the gauge is not in use at a temporary job site, lock shuttered systems in the closed position and secure shutterless systems inside of the data van on location.

Emergency Procedures:

If emergency or unusual situation arises (e.g., the gauge is struck by a moving vehicle, is dropped, is in a vehicle involved in an accident):

Immediately secure the area and keep people at least 15 feet away from the gauge until the situation is assessed and radiation levels are known. However, perform first aid for any injured individuals and remove them from the area only when medically safe to do so.

If any heavy equipment is involved, detain the equipment and operator until it is determined there is no contamination present.

Gauge users and other potentially contaminated individuals should not leave the scene until emergency assistance arrives.

Notify the following persons, in the order listed below, of the situation:

NAME CELL NUMBER

John Drake (304) 373-5926

Follow the directions provided by the person contacted above.

The RSO will:

Arrange for a radiation survey to be conducted as soon as possible by a knowledgeable person using appropriate radiation detection instrumentation. This person could be a licensee employee using a survey meter located at the job site or a consultant. To accurately assess the radiation danger, it is essential that the person performing the survey be competent in the use of the survey meter.

Make necessary notifications to local authorities as well as to NRC as required. (Even if it is not required, you may report any incident to NRC by calling NRC's Emergency Operations Center at (301) \$16-5100, which is staffed 24 hours a day and accepts collect calls.) NRC notification is required when gauges containing licensed material are lost or stolen, when gauges are damaged or involved in incidents that result in doses in excess of 10 CFR 20.2203 limits.

Reports to NRC must be made within the reporting time frames specified by 10 CFR 20.2201-2203 and 10 CFR 30.50.

Appendix B

Suggested Format for Providing Information Requested in Items 5 Through 11 of NRC Form 313

US Well Services, Inc 533 Industrial Park Drive Jane Lew, WV 26378 (304)373-5926

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Suggested Format for Providing Information Requested in Items 5 Through 11 of NRC Form 313

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
		Cobalt-60	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [] Specific description of the gauge use:	[] Not applicable [] Uses are: (Submit safety analysis supporting safe use)
		Krypton-85	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [] Specific description of the gauge use:	[] Not applicable [] Uses are: (Submit safety analysis supporting safe use)
		Strontium-90	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [] Specific description of the gauge use:	[] Not applicable [] Uses are: (Submit safety analysis supporting safe use)
		Cesium-137 Thermo Measure Tech Model	Sealed source manufacturer or distributor and model number: <u>57157C</u> Device manufacturer or distributor and model number: <u>5190,5192</u>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [X] Specific description of the gauge use: Fluid densit measurements during oil field fracturing operations.	r

Table B.1 Items 5 & 6: Materials To Be Possessed and Proposed Uses

APPENDIX B

Americium- 241	Sealed source manufacturer or distributor and	Not to exceed either the maximum	Yes []	[] Not applicable
	Device manufacturer or distributor and model number:	activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Specific description of the gauge use:	[] Uses are: (Submit safety analysis supporting safe use)
Other Isotope (Specify):	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [] Specific description of the gauge use:	[] Not applicable [] Uses are: (Submit safety analysis supporting safe use)
	(Specify):	Other Isotope (Specify): Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	distributor and model number: Device Registration Certificate Other Isotope (Specify): Sealed source manufacturer or distributor and model number: Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	distributor and model number: Device Registration Certificate Other Isotope (Specify): Sealed source manufacturer or distributor and model number: Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Yes []

Table B.2	Items 7 Through 11: Training and Experience, Facilities and
	Equipment, Radiation Safety Program, and Waste Disposal

1	tem No. and Title	Suggested Response	Yes	Alternative Procedures Attached
7.	Individual(s) Responsible For Radiation Safety Program And Their Training And Experience	Before obtaining licensed materials, the proposed RSO will have successfully completed the training described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience - Radiation Safety Officer" in NUREG-1556, Vol. 4, dated October 1998.	X	[]
7.1	Radiation Safety Officer	AND		
Nar	ne: John Drake	Before being named as the RSO, future RSOs will have successfully completed the training described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience - Radiation Safety Officer" in NUREG-1556, Vol. 4, dated October 1998. Within 30 days of naming a new RSO, we will submit the new RSO's name to NRC to include in our license.		
7.	Individual(s) Responsible For Radiation Safety Program And Their Training And Experience	PROPOSED AUTHORIZED USERS: Before using licensed materials, authorized users will have successfully completed the training described in Criteria in the section entitled, "Authorized Users" in NUREG-1556, Vol. 4, dated October 1998.	β.	[]
7.2	Authorized Users			
8.	Training for Individuals Who in the Course of Employment are Likely to Receive Occupational Doses of Radiation in Excess of 1 mSv (100 mrem) in a Year (Occupationally Exposed Workers) and Ancillary Personnel	The applicant is <i>not</i> required to, and should not, submit is training program, for individuals who in the course of employment are likely to receive occupational doses of radiation in excess of 1 mSv (100 mrem) in a year (occupationally exposed workers) and ancillary personnel, to the NRC for review during the licensing phase.	Need Not Be Su Application	ibmitted with

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]	tem No. and Title	Suggested Response	Yes	Alternative Procedures Attached
9.	Facilities and Equipment	We will ensure that the location of each fixed gauge meets the Criteria in the section entitled "Facilities and Equipment" in NUREG-1556, Vol. 4, dated October 1998.	Ŋ	[]
10.	Radiation Safety Program - Audit Program	The applicant is <i>not</i> required to, and should not, submit its audit program to the NRC for review during the licensing phase.	Need Not Be So Application	ubmitted with
10.	Radiation Safety Program - Survey Instruments	Surveys pursuant to 10 CFR 20.1501 will be performed by a person specifically authorized by the NRC or an Agreement State to perform these surveys.	[X]	[]
		OR		
		We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol. 4, dated August 1998, and <i>one</i> of the following:		
		Each survey meter will be calibrated by the manufacturer or other person authorized by the NRC or an Agreement State to perform survey meter calibrations.		
		OR		
		We will implement the model survey instrument calibration program in Appendix I to NUREG-1556, Vol. 4, dated October 1998.		
10.	Radiation Safety Program - Material Receipt and Accountability	Physical inventories will be conducted at intervals not to exceed 6 months or at other intervals approved by the NRC, to account for all sealed sources and devices received and possessed under the license.	Ø	[]
10.	Radiation Safety Program - Occupational Dosimetry	We will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry that meets the Criteria in the section entitled "Radiation Safety Program - Occupational Dosimetry," in NUREG-1556, Vol. 4, dated October 1998.	X	[]

Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
10. Radiation Safety Program - Public Dose	The applicant is not required to submit a response to the public dose section during the licensing phase. However, during NRC inspections, licensees must be able to provide documentation demonstrating, by measurement or calculation, that the total effective dose equivalent to the individual likely to receive the highest dose from the licensed operation does not exceed the annual limit for individual members of the public.	Need Not Be St Application	ubmitted with
10. Radiation Safety Program - Operating & Emergency Procedures	If the gauge meets one or more of the safety conditions specified in "Discussion," in the section entitled "Radiation Safety Program-Operating Emergency Procedures," in NUREG 1556, Vol. 4, dated August 1998 state the following:	Ø	[]
	Operating and emergency procedures will be developed, implemented, maintained, and distributed, and will meet the Criteria in the section entitled "Radiation Safety Program - Operating and Emergency Procedures," in NUREG-1556, Vol. 4, dated August 1998.		
	For each gauge requested that does not meet one or more of the safety conditions specified in "Discussion," in the section entitled "Radiation Safety Program- Operating Emergency Procedures," in NUREG 1556, Vol. 4, dated August 1998 provide your operating, emergency and lock-out (if applicable) procedures to NRC for review.	[] Procedures Attached	
10. Radiation Safety Program - Leak Test	Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the Sealed Source and Device Registration Certificate. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.	[2]	[]
	OR		
	We will implement the model leak test program published in Appendix M to NUREG-1556, Vol. 4, dated October 1998.	[]	

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Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
 Radiation Safety Program - Maintenance 	<u>ROUTINE MAINTENANCE</u> We will implement and maintain procedures for routine maintenance of our fixed gauges according to each manufacturer's or distributor's written recommendations and instructions.		[]
	NON-ROUTINE MAINTENANCE OPERATIONS The gauge manufacturer, distributor or other person authorized by NRC or an Agreement State will perform non-routine operations such as installation, initial radiation survey, repair, and maintenance of components related to the radiological safety of the gauge, gauge relocation, replacement, and disposal of sealed sources, alignment, or removal of a gauge from service.	[2]	[] The information listed in Appendix N supporting a request to perform non-routing operations in-house is attached
 Radiation Safety Program - Transportation 	The applicant is <i>not</i> required to submit its response to transportation during the licensing process; this issue will be reviewed during inspection. However, the licensee should develop, implement, and maintain transportation procedures according to NRC and DOT regulations.	Need Not Be Submitted with Application	
 Radiation Safety Program - Fixed Gauges Used at Temporary Job 	This is not applicable to our program. We will not use fixed gauges at temporary job sites.	[] Not Applicable	
Sites	We will develop, implement, maintain and distribute procedures that meet the Criteria in the section entitled "Radiation Safety Program - Fixed Gauges Used at Temporary Job Sites" in NUREG-1556, Vol. 4, dated October 1998.	Ø	23
 Radiation Safety Program - Minimization of Contamination 	The applicant is not required to submit a response to minimization of contamination if the applicant's responses meet the criteria for the following sections: Radioactive Material - Sealed Sources and Devices, Facilities and Equipment, Radiation Safety Program - Operating and Emergency Procedures, Radiation Safety Program - Leak Testing, and Waste Management - Gauge Transfer and Disposal.	Need Not Be So Application	ubmitted with

Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
 Waste Management Gauge Disposal & Transfer 	The applicant is not required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.	Need Not Be S Application	ubmitted with
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a de constante d			
	B-7		G - 1556, Vol.

This is to acknowledge the receipt of your letter application lated

A Docket # 03038597 There were no administrative omissions. Your application was assigned to a

There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 579597. When calling to inquire about this action, please refer to this control number. You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI) (6-96) Sincerely, Licensing Assistance Team Leader