

DEPARTMENT OF TRANSPORTATION**Pipeline and Hazardous Materials Safety Administration**

[Docket No. PHMSA–2022–0051; Notice No. 2022–08]

Hazardous Materials: Notification of Compliance Procedures and Proposed Termination of Certain Jet Perforating Guns Approvals

AGENCY: Pipeline and Hazardous Materials Safety Administration (PHMSA), Department of Transportation (DOT).

ACTION: Notice.

SUMMARY: PHMSA is issuing this notice to serve process and inform all persons who currently hold explosive approvals for certain jet perforating guns of the process necessary for maintaining, modifying, upgrading/up-classing, or terminating these approvals.

FOR FURTHER INFORMATION CONTACT: Ms. Harpreet Singh, Chief, Energetic Materials Branch, Sciences and Engineering Division, Office of Hazardous Materials Safety, (202) 366–4535, PHMSA, 1200 New Jersey Ave. SE, Washington, DC 20590.

SUPPLEMENTARY INFORMATION:**A. Background**

In November 2020, PHMSA issued the HM–219C¹ final rule, which amended

the Hazardous Materials Regulations in response to 24 petitions for rulemaking submitted by the regulated community between February 2015 and March 2018. As part of one of those petitions, PHMSA incorporated by reference a new Jet Perforating Gun (JPG) standard developed by the Association of Energy Service Companies (AESC) and the Institute of Makers of Explosives (IME) titled “*Guide to Obtaining DOT Approval of Jet Perforating Guns using AESC/IME Perforating Gun Specifications, Version 02, Effective Date: September 1, 2017*” (AESC/IME JPG 2017 Standard).² The final rule had an effective date of December 28, 2020, and a delayed compliance date of November 26, 2021.

In the HM–219C rulemaking, PHMSA noted the major differences between the AESC/IME JPG 2017 standard and the previous 2008 standard, such as:

- The 1.4D (UN0494) JPG classifications have been removed.
- The 1.1D (UN0124) JPG classifications are issued with a note that the approved 1.1D perforating gun system can be transported as 1.4D in accordance with Special Provision (SP) 114 (49 CFR 172.102). This SP allows for JPGs classified as 1.1D explosives to be reclassified as 1.4D explosives for transportation if certain conditions are met.

- The 1.1D (NA0124) and 1.4D (NA0494) “with detonator” JPG classifications have been removed. Such JPG systems are now subject to testing in accordance with 49 CFR 173.56(b) prior to approval.

- The JPG Kodiak™ system has been added, but SP 114 does not apply to this JPG.

Since publication of the HM–219C final rule in November 2020, PHMSA has identified approximately 773 current explosive (EX) approvals that are assigned to one of the four identification numbers—UN0124, UN0494, NA0124, and NA0494—impacted by the AESC/IME JPG 2017 standard.

Today’s notice is primarily intended to serve as a notice of proposed termination in accordance with 49 CFR 105.35(a)(3) and 107.713(b)(1) and (c), and to reach all EX approval holders who have not yet submitted a request to maintain, modify, upgrade/up-class, or terminate their current approval.

B. Processing Existing Approvals by UN/NA Number

PHMSA is providing the following options to current holders of an EX approval affected by this requirement. Affected EX approval-holders may take the appropriate actions as explained in the table below.

TABLE 1—OPTIONS TO COMPLY WITH THE AESC/IME JPG 2017 STANDARD

| JPG classification | Adjustment | Comments and suggested action/options |
|---|---|--|
| 1.1D (UN0124) except Kodiak™ type JPG. | None, unless a note authorizing 1.4D classification under SP 114 is desired (SP 114 applies whether noted on the EX letter or not). | 1. Submit request to modify EX approval to add note allowing the JPG to be shipped as 1.4D under SP 114. (49 CFR § 172.102). 2. Email modification request to explo@dot.gov or submit to the explosives portal https://portal.phmsa.dot.gov/PHMSAPortal2 . |
| 1.1D (UN0124) only Kodiak™ type JPG. | Modify the EX by requesting the note be added that SP 114 does not apply to a Kodiak JPG. | 1. Submit a request to modify an EX approval to add note not permitting 1.4D under SP 114. (49 CFR § 172.102) for the Kodiak version of the JPG. 2. Email modification request to explo@dot.gov or submit to the explosives portal https://portal.phmsa.dot.gov/PHMSAPortal2 . |
| 1.4D (UN0494) (holder also has 1.1D (UN0124) approval for the same JPG). | Surrender EX and request termination, or PHMSA will terminate. | 1. No longer needed since 1.1D can be shipped as 1.4D under SP 114. 2. Email termination request to explo@dot.gov or submit to the explosives portal https://portal.phmsa.dot.gov/PHMSAPortal2 . |
| 1.4D (UN0494) (holder does not have 1.1D classification (UN0124) approval for the same JPG). | Modify EX by requesting upgrade/up-class to 1.1D (UN0124), or PHMSA will terminate. | 1. No longer needed since 1.1D can be shipped as 1.4D under Special Provision 114. (49 CFR 172.102). 2. Email modification request to explo@dot.gov or submit to the explosives portal https://portal.phmsa.dot.gov/PHMSAPortal2 . |
| 1.1D with detonator (NA0124) (holder does not have an explosives lab report in accordance with 49 CFR 173.56(b)). | Surrender EX and request termination or PHMSA will terminate or request to upgrade/up-class to UN0124. | 1. NA0124 is no longer authorized without an explosives lab report in accordance with 173.56(b). 2. Email termination or upgrade/up-class request to explo@dot.gov or submit to the explosives portal https://portal.phmsa.dot.gov/PHMSAPortal2 . |

¹ 85 FR 75680 (November 25, 2020).

² See [https://www.ime.org/uploads/public/PerfGunClassification\(2017.09.01\).pdf](https://www.ime.org/uploads/public/PerfGunClassification(2017.09.01).pdf).

TABLE 1—OPTIONS TO COMPLY WITH THE AESC/IME JPG 2017 STANDARD—Continued

| JPG classification | Adjustment | Comments and suggested action/options |
|--|--|---|
| 1.1D with detonator (NA0124) (holder has an explosives lab report in accordance with 49 CFR 173.56(b)) and has not shared the lab report with PHMSA. | Modification request to retain the 1.1D (NA0124) classification, or PHMSA will terminate. | 1. Submit modification request and an explosives lab report to PHMSA. 2. Email modification request to explo@dot.gov or submit to the explosives portal https://portal.phmsa.dot.gov/PHMSAPortal2 . |
| 1.4D with detonator (NA0494) (holder does not have an explosives lab report in accordance with 49 CFR 173.56(b)). | Surrender EX and request termination or PHMSA will terminate or request to upgrade/up-class to UN0124. | 1. NA0494 is no longer authorized without an explosives lab report in accordance with 173.56(b). 2. Email termination or upgrade/up-class request to explo@dot.gov or submit to the explosives portal https://portal.phmsa.dot.gov/PHMSAPortal2 . |
| 1.4D with detonator (NA0494) (holder has an explosives lab report in accordance with 49 CFR 173.56(b)) and has not shared the lab report with PHMSA. | Modification request to retain the 1.4D (NA0494) classification, or PHMSA will terminate. | 1. Submit modification request and an explosives lab report to PHMSA. 2. Email modification request to explo@dot.gov or submit to the explosives portal https://portal.phmsa.dot.gov/PHMSAPortal2 . |

The approximately 773 EX approvals are held by over 100 separate companies. Because of the AESC/IME JPG 2017 Standard, existing approvals for the four affected UN/NA ID numbers—UN0124, UN0494, NA0124, and NA0494—must be modified in accordance with 49 CFR 107.713(a)(1) to reflect whether EX approval holders have met the requirements of the standard. *UN0124 non-Kodiak™*

approvals do not require modification as SP 114 applies to them even if it is not specifically listed in the notes section of the approval (49 CFR 172.102). UN0124 Kodiak™ approvals do require a modification of the approval adding the note that SP 114 does not apply to the Kodiak™ JPG system. EX approval holders have until September 12, 2022, to provide a

written response to PHMSA either to request that PHMSA maintain, modify, upgrade/upclass, or terminate their approval(s) or to otherwise show cause as to why their approval(s) should not be terminated, in accordance with 49 CFR 107.713(c)(1). Approvals for which PHMSA does not receive a request by September 12, 2022, are subject to the following:

TABLE 2—PROPOSED TERMINATION ACTION

| JPG classification | PHMSA action | Basis/comments |
|--|---|--|
| UN0124, 1.1D—non-Kodiak JPG system | None | SP 114 applies whether noted on the EX letter or not. |
| UN0124, 1.1D Kodiak JPG system | PHMSA will revise and add a note that SP 114 does not apply to the Kodiak system. | Add a note stating that SP 114 does not apply. |
| UN0494, 1.4D, for which the holder has an approval for the same JPG device as UN0124, 1.1D. | Termination in accordance with this Federal Register notice. | Approval not needed in accordance with SP 114 as it applies. |
| UN0494, 1.4D for which the holder does not have an approval for the same JPG device as UN0124, 1.1D. | Termination in accordance with this Federal Register notice. | Holder failed to request an up-class to UN0124, 1.1D as required by this notice. |
| UN0494, 1.4D for which the holder has an explosives lab report recommending UN0494 and the lab report is on file with PHMSA. | None | Holder submitted the explosives lab report required by 49 CFR 173.67 in accordance 173.56(b) and received an explosives classification approval. |
| NA0124, 1.1D JPG with detonator for which the holder does not have an explosives lab report recommending NA0124. | Termination in accordance with this Federal Register notice. | Holder failed to submit an explosives lab report required by 49 CFR 173.67 in accordance 173.56(b). |
| NA0124, 1.1D JPG with detonator for which the holder has an explosives lab report recommending NA0124 but has not submitted the lab report to PHMSA. | Termination in accordance with this Federal Register notice. | Holder failed to submit the explosives lab report required by 49 CFR 173.67 in accordance with 173.56(b). |
| NA0494, 1.4D JPG with detonator for which the holder does not have an explosives lab report recommending NA0494. | Termination in accordance with this Federal Register notice. | Holder failed to submit the explosives lab report required by 49 CFR 173.67 in accordance with 173.56(b). |
| NA0494, 1.4D JPG with detonator for which the holder has an explosives lab report recommending NA0494 but has not submitted the lab report to PHMSA. | Termination in accordance with this Federal Register notice. | Holder failed to submit the explosives lab report required by 49 CFR 173.67 in accordance with 173.56(b). |

Requests may be submitted to PHMSA via email at explo@dot.gov or the PHMSA EX Portal at <https://portal.phmsa.dot.gov/PHMSAPortal2>.

The names of EX approval holders who have not yet submitted a request to maintain, modify, upgrade/up-class, or terminate their current approval(s) are

provided in Table 3. This table accurately reflects the population of holders as of July 1, 2022.

TABLE 3—APPROVAL HOLDERS

| EX No. | Company | UN/NA No. |
|--------------|--|-----------|
| EX2012090377 | Accurate Logging & Perforating, Inc | UN0494 |
| EX2012090378 | Accurate Logging & Perforating, Inc | UN0494 |
| EX2012090379 | Accurate Logging & Perforating, Inc | UN0494 |
| EX2012090380 | Accurate Logging & Perforating, Inc | UN0494 |
| EX2012090381 | Accurate Logging & Perforating, Inc | UN0494 |
| EX2012090382 | Accurate Logging & Perforating, Inc | UN0494 |
| EX2012090391 | Accurate Logging & Perforating, Inc | NA0494 |
| EX2012090392 | Accurate Logging & Perforating, Inc | NA0494 |
| EX2012090393 | Accurate Logging & Perforating, Inc | NA0494 |
| EX1996110208 | Allegheny Wireline Service c/o Owen Compliance Ser | NA0124 |
| EX1996110209 | Allegheny Wireline Service c/o Owen Compliance Ser | NA0494 |
| EX2011110994 | Allied Wireline Services | NA0494 |
| EX2011110995 | Allied Wireline Services | UN0494 |
| EX2011110996 | Allied Wireline Services | NA0494 |
| EX2011110997 | Allied Wireline Services | UN0124 |
| EX2011111036 | Allied Wireline Services | UN0494 |
| EX2011111037 | Allied Wireline Services | NA0494 |
| EX2011111038 | Allied Wireline Services | UN0494 |
| EX2011111039 | Allied Wireline Services | NA0494 |
| EX2011111040 | Allied Wireline Services | UN0494 |
| EX2015090686 | Anderson Perforating Service, LLC | UN0494 |
| EX2015090687 | Anderson Perforating Service, LLC | UN0494 |
| EX2015090688 | Anderson Perforating Service, LLC | UN0494 |
| EX2015090689 | Anderson Perforating Service, LLC | UN0494 |
| EX2015090690 | Anderson Perforating Service, LLC | UN0494 |
| EX2015090691 | Anderson Perforating Service, LLC | UN0494 |
| EX2015090692 | Anderson Perforating Service, LLC | UN0494 |
| EX2010071138 | ANLINE, Inc | UN0494 |
| EX2010071139 | ANLINE, Inc | UN0494 |
| EX2010071140 | ANLINE, Inc | UN0494 |
| EX2009080176 | Apollo Perforators Inc | NA0494 |
| EX2009080177 | Apollo Perforators Inc | UN0494 |
| EX2009080178 | Apollo Perforators Inc | NA0494 |
| EX2017040169 | AR Wireline LLC | UN0494 |
| EX2017040170 | AR Wireline LLC | UN0494 |
| EX2017040171 | AR Wireline LLC | UN0494 |
| EX2017040172 | AR Wireline LLC | UN0494 |
| EX2017040173 | AR Wireline LLC | UN0494 |
| EX2017040174 | AR Wireline LLC | UN0494 |
| EX2010100093 | Ark-La-Tex Wireline Services | UN0494 |
| EX2010100094 | Ark-La-Tex Wireline Services | UN0494 |
| EX2010100095 | Ark-La-Tex Wireline Services | UN0494 |
| EX2010100099 | Ark-La-Tex Wireline Services | UN0494 |
| EX2009030177 | Austin Explosives Company | NA0494 |
| EX2009035458 | Austin Explosives Company | UN0124 |
| EX2009035459 | Austin Explosives Company | UN0494 |
| EX2009035464 | Austin Explosives Company | UN0124 |
| EX2009035465 | Austin Explosives Company | UN0494 |
| EX2009035466 | Austin Explosives Company | UN0494 |
| EX2009035468 | Austin Explosives Company | UN0494 |
| EX2009035469 | Austin Explosives Company | NA0124 |
| EX2009035473 | Austin Explosives Company | NA0124 |
| EX2009035474 | Austin Explosives Company | NA0494 |
| EX2009035476 | Austin Explosives Company | NA0494 |
| EX2009035477 | Austin Explosives Company | NA0124 |
| EX2009035478 | Austin Explosives Company | NA0494 |
| EX2009035479 | Austin Explosives Company | NA0124 |
| EX2009035542 | Austin Explosives Company | UN0494 |
| EX2009035543 | Austin Explosives Company | UN0124 |
| EX2009035544 | Austin Explosives Company | UN0494 |
| EX2009035546 | Austin Explosives Company | UN0494 |
| EX2009035547 | Austin Explosives Company | UN0124 |
| EX2009035548 | Austin Explosives Company | UN0494 |
| EX2009035549 | Austin Explosives Company | UN0124 |
| EX2009035550 | Austin Explosives Company | UN0494 |
| EX2009035557 | Austin Explosives Company | NA0124 |
| EX2009035558 | Austin Explosives Company | NA0494 |
| EX2009035559 | Austin Explosives Company | NA0124 |
| EX2009035560 | Austin Explosives Company | NA0494 |
| EX2009035561 | Austin Explosives Company | NA0124 |
| EX2009035562 | Austin Explosives Company | NA0494 |
| EX2009035563 | Austin Explosives Company | NA0124 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|--|-----------|
| EX2009035564 | Austin Explosives Company | NA0494 |
| EX2009060085 | Austin Explosives Company | NA0494 |
| EX2009060330 | Austin Explosives Company | UN0124 |
| EX2009060334 | Austin Explosives Company | UN0124 |
| EX2009060335 | Austin Explosives Company | UN0494 |
| EX2009060336 | Austin Explosives Company | UN0124 |
| EX2009060337 | Austin Explosives Company | UN0494 |
| EX2009060338 | Austin Explosives Company | UN0124 |
| EX2009060339 | Austin Explosives Company | UN0494 |
| EX2009060340 | Austin Explosives Company | NA0124 |
| EX2009060341 | Austin Explosives Company | NA0494 |
| EX2009060342 | Austin Explosives Company | NA0124 |
| EX2009060343 | Austin Explosives Company | NA0494 |
| EX2009060344 | Austin Explosives Company | NA0124 |
| EX2009060345 | Austin Explosives Company | NA0494 |
| EX2009060346 | Austin Explosives Company | NA0124 |
| EX2009060347 | Austin Explosives Company | NA0494 |
| EX2010030285 | Austin Explosives Company | UN0124 |
| EX2013080350 | AXIS American X-Ray & Inspection Services, Inc | UN0494 |
| EX2013080352 | AXIS American X-Ray & Inspection Services, Inc | UN0494 |
| EX2013080353 | AXIS American X-Ray & Inspection Services, Inc | UN0494 |
| EX1993090157 | Baker Hughes INTEQ (Owen Compliance Services, Inc) | UN0124 |
| EX2009060302 | Blohowiak Wireline Co., Inc | NA0494 |
| EX2009060303 | Blohowiak Wireline Co., Inc | NA0494 |
| EX2009060304 | Blohowiak Wireline Co., Inc | NA0494 |
| EX2009060308 | Blohowiak Wireline Co., Inc | UN0494 |
| EX2009060309 | Blohowiak Wireline Co., Inc | UN0494 |
| EX2009060310 | Blohowiak Wireline Co., Inc | UN0494 |
| EX2009060311 | Blohowiak Wireline Co., Inc | UN0494 |
| EX2009060312 | Blohowiak Wireline Co., Inc | UN0494 |
| EX2013110494 | Blue Jet Inc | NA0494 |
| EX2013110496 | Blue Jet Inc | UN0494 |
| EX2013110497 | Blue Jet Inc | NA0494 |
| EX2013110498 | Blue Jet Inc | UN0124 |
| EX2013110499 | Blue Jet Inc | NA0494 |
| EX2013110500 | Blue Jet Inc | UN0124 |
| EX2013120526 | Blue Jet Inc | UN0494 |
| EX2013120527 | Blue Jet Inc | UN0494 |
| EX2016100206 | Boots Smith Completion Services, LLC | UN0494 |
| EX2016100214 | Boots Smith Completion Services, LLC | UN0494 |
| EX2016100215 | Boots Smith Completion Services, LLC | UN0494 |
| EX2011040402 | Cajun Wireline | UN0124 |
| EX2011040405 | Cajun Wireline | UN0124 |
| EX2011040409 | Cajun Wireline | UN0124 |
| EX2011040415 | Cajun Wireline | UN0124 |
| EX2011040424 | Cajun Wireline | NA0124 |
| EX2011040426 | Cajun Wireline | UN0124 |
| EX2011040655 | Cajun Wireline | NA0494 |
| EX2011040656 | Cajun Wireline | NA0494 |
| EX2011040665 | Cajun Wireline | NA0494 |
| EX2014060069 | Cajun Wireline | UN0494 |
| EX2014090976 | Cajun Wireline | UN0494 |
| EX2012111533 | Capitan Corporation | UN0494 |
| EX2012111536 | Capitan Corporation | UN0494 |
| EX2012111537 | Capitan Corporation | UN0494 |
| EX2016100355 | Capitan Corporation | NA0494 |
| EX2016100357 | Capitan Corporation | NA0124 |
| EX2014060695 | Cased Hole Well Services, LLC | UN0124 |
| EX2014060698 | Cased Hole Well Services, LLC | UN0494 |
| EX2014060699 | Cased Hole Well Services, LLC | UN0494 |
| EX2014060700 | Cased Hole Well Services, LLC | UN0494 |
| EX2014060701 | Cased Hole Well Services, LLC | UN0494 |
| EX2014060702 | Cased Hole Well Services, LLC | UN0494 |
| EX2014060703 | Cased Hole Well Services, LLC | UN0494 |
| EX2014060704 | Cased Hole Well Services, LLC | UN0494 |
| EX2016090936 | CEEE LLC dba Integrity Wireline LLC | UN0494 |
| EX2016090937 | CEEE LLC dba Integrity Wireline LLC | UN0494 |
| EX2016090938 | CEEE LLC dba Integrity Wireline LLC | UN0494 |
| EX2015121645 | Clutch Energy Services, LLC | UN0124 |
| EX2015121646 | Clutch Energy Services, LLC | UN0494 |
| EX2015121647 | Clutch Energy Services, LLC | NA0124 |
| EX2015121648 | Clutch Energy Services, LLC | NA0494 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|---|-----------|
| EX2015121649 | Clutch Energy Services, LLC | UN0124 |
| EX2015121650 | Clutch Energy Services, LLC | UN0494 |
| EX2015121651 | Clutch Energy Services, LLC | NA0124 |
| EX2015121652 | Clutch Energy Services, LLC | NA0494 |
| EX2011040360 | Cogco Inc | NA0124 |
| EX2009050187 | Cutters Wireline Service, Inc | NA0494 |
| EX2009050188 | Cutters Wireline Service, Inc | NA0124 |
| EX2009050191 | Cutters Wireline Service, Inc | NA0494 |
| EX2009050192 | Cutters Wireline Service, Inc | NA0124 |
| EX2009050195 | Cutters Wireline Service, Inc | NA0494 |
| EX2009050196 | Cutters Wireline Service, Inc | NA0124 |
| EX2009050196 | Cutters Wireline Service, Inc | NA0494 |
| EX2009050199 | Cutters Wireline Service, Inc | NA0494 |
| EX2009050203 | Cutters Wireline Service, Inc | NA0494 |
| EX2009050204 | Cutters Wireline Service, Inc | NA0124 |
| EX2009050207 | Cutters Wireline Service, Inc | NA0494 |
| EX2009050208 | Cutters Wireline Service, Inc | NA0124 |
| EX2011040357 | D & S Wireline | UN0494 |
| EX2011040365 | D & S Wireline | NA0494 |
| EX2011040371 | D & S Wireline | UN0494 |
| EX2011040398 | D & S Wireline | UN0494 |
| EX2011040399 | D & S Wireline | UN0494 |
| EX2011040400 | D & S Wireline | NA0494 |
| EX2011040401 | D & S Wireline | UN0494 |
| EX2011040403 | D & S Wireline | UN0494 |
| EX2011040406 | D & S Wireline | NA0494 |
| EX2011040411 | D & S Wireline | NA0494 |
| EX2011040414 | D & S Wireline | UN0494 |
| EX2011040416 | D & S Wireline | NA0494 |
| EX2011040417 | D & S Wireline | NA0494 |
| EX2012100821 | Dialog Wireline Services, LLC | UN0124 |
| EX2009100047 | E&P Wireline Services, LLC | UN0494 |
| EX2009100049 | E&P Wireline Services, LLC | UN0494 |
| EX2015010747 | Epic Wireline Services, Inc | UN0494 |
| EX2015010748 | Epic Wireline Services, Inc | UN0124 |
| EX2015010749 | Epic Wireline Services, Inc | UN0494 |
| EX2015010750 | Epic Wireline Services, Inc | UN0124 |
| EX2015010751 | Epic Wireline Services, Inc | NA0124 |
| EX2015010752 | Epic Wireline Services, Inc | NA0494 |
| EX2015010753 | Epic Wireline Services, Inc | NA0494 |
| EX2015010754 | Epic Wireline Services, Inc | NA0124 |
| EX2015010755 | Epic Wireline Services, Inc | UN0494 |
| EX2015010756 | Epic Wireline Services, Inc | UN0124 |
| EX2012030723 | Express Energy Services | UN0494 |
| EX2012030724 | Express Energy Services | UN0494 |
| EX2012030725 | Express Energy Services | UN0494 |
| EX2012030726 | Express Energy Services | UN0494 |
| EX2012030727 | Express Energy Services | UN0494 |
| EX2012030728 | Express Energy Services | UN0494 |
| EX2014110180 | Extreme Wireline Inc | NA0494 |
| EX2014110182 | Extreme Wireline Inc | NA0494 |
| EX2014100455 | FMC Technologies Surface Integrated Services, Inc | UN0494 |
| EX2014100463 | FMC Technologies Surface Integrated Services, Inc | NA0494 |
| EX2014100467 | FMC Technologies Surface Integrated Services, Inc | UN0494 |
| EX2014100469 | FMC Technologies Surface Integrated Services, Inc | NA0494 |
| EX2012100799 | Frontier Completion Services, LLC | UN0124 |
| EX2012100800 | Frontier Completion Services, LLC | NA0494 |
| EX2012100801 | Frontier Completion Services, LLC | UN0124 |
| EX2012100802 | Frontier Completion Services, LLC | NA0494 |
| EX2012100803 | Frontier Completion Services, LLC | UN0124 |
| EX2012100804 | Frontier Completion Services, LLC | NA0494 |
| EX2012100805 | Frontier Completion Services, LLC | UN0124 |
| EX2012100806 | Frontier Completion Services, LLC | NA0494 |
| EX2012100807 | Frontier Completion Services, LLC | UN0124 |
| EX2012100808 | Frontier Completion Services, LLC | NA0494 |
| EX2012100809 | Frontier Completion Services, LLC | UN0124 |
| EX2012100810 | Frontier Completion Services, LLC | NA0494 |
| EX2012100811 | Frontier Completion Services, LLC | UN0124 |
| EX2016091098 | FTS International Services LLC | UN0124 |
| EX2015030446 | FTS International Services, LLC | UN0494 |
| EX2015030448 | FTS International Services, LLC | UN0124 |
| EX2015030450 | FTS International Services, LLC | UN0494 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|--|-----------|
| EX2015030451 | FTS International Services, LLC | UN0124 |
| EX2015030452 | FTS International Services, LLC | NA0494 |
| EX2015030453 | FTS International Services, LLC | UN0494 |
| EX2015030454 | FTS International Services, LLC | UN0494 |
| EX2015030455 | FTS International Services, LLC | UN0494 |
| EX2015030456 | FTS International Services, LLC | UN0494 |
| EX2015030457 | FTS International Services, LLC | NA0494 |
| EX2015030458 | FTS International Services, LLC | NA0494 |
| EX2015030459 | FTS International Services, LLC | UN0494 |
| EX2013011200 | GE Oil & Gas Logging Services, Inc | UN0124 |
| EX2013011201 | GE Oil & Gas Logging Services, Inc | UN0494 |
| EX2013011202 | GE Oil & Gas Logging Services, Inc | UN0494 |
| EX2013011203 | GE Oil & Gas Logging Services, Inc | UN0494 |
| EX2013011204 | GE Oil & Gas Logging Services, Inc | UN0494 |
| EX2013011205 | GE Oil & Gas Logging Services, Inc | UN0494 |
| EX2013011206 | GE Oil & Gas Logging Services, Inc | UN0494 |
| EX2013011207 | GE Oil & Gas Logging Services, Inc | UN0124 |
| EX2013011208 | GE Oil & Gas Logging Services, Inc | UN0124 |
| EX2013011209 | GE Oil & Gas Logging Services, Inc | UN0124 |
| EX2013011210 | GE Oil & Gas Logging Services, Inc | UN0124 |
| EX2013011212 | GE Oil & Gas Logging Services, Inc | UN0124 |
| EX2013011214 | GE Oil & Gas Logging Services, Inc | NA0494 |
| EX2013011215 | GE Oil & Gas Logging Services, Inc | NA0494 |
| EX2013011216 | GE Oil & Gas Logging Services, Inc | NA0494 |
| EX2013011217 | GE Oil & Gas Logging Services, Inc | NA0124 |
| EX2013011218 | GE Oil & Gas Logging Services, Inc | NA0124 |
| EX2013011219 | GE Oil & Gas Logging Services, Inc | NA0124 |
| EX2013011220 | GE Oil & Gas Logging Services, Inc | UN0494 |
| EX2013020491 | GE Oil & Gas Logging Services, Inc | UN0124 |
| EX2015100254 | GEODynamics, Inc | NA0124 |
| EX2015100270 | GEODynamics, Inc | UN0124 |
| EX2015100745 | GEODynamics, Inc | NA0124 |
| EX2015050129 | GR Wireline LP | UN0494 |
| EX2015050130 | GR Wireline LP | NA0494 |
| EX2015050131 | GR Wireline LP | UN0124 |
| EX2015050132 | GR Wireline LP | UN0494 |
| EX2015050133 | GR Wireline LP | NA0494 |
| EX2015050134 | GR Wireline LP | NA0124 |
| EX2015050135 | GR Wireline LP | UN0494 |
| EX2016030436 | Halliburton Energy Services, Inc | UN0124 |
| EX2009010158 | Halliburton Energy Services, Inc | UN0124 |
| EX2009010162 | Halliburton Energy Services, Inc | UN0124 |
| EX2009010163 | Halliburton Energy Services, Inc | UN0124 |
| EX2009010164 | Halliburton Energy Services, Inc | UN0124 |
| EX2009010166 | Halliburton Energy Services, Inc | UN0124 |
| EX2009010193 | Halliburton Energy Services, Inc | UN0124 |
| EX2009010195 | Halliburton Energy Services, Inc | UN0124 |
| EX2009035019 | Hearne Wireline Service | UN0494 |
| EX2015110600 | High Plains, Inc | UN0494 |
| EX2015110602 | High Plains, Inc | UN0494 |
| EX2015110604 | High Plains, Inc | UN0494 |
| EX2015111360 | High Plains, Inc | UN0494 |
| EX1996110212 | Hitwell Surveys, Inc. c/o Owen Compliance Services | NA0124 |
| EX1996110213 | Hitwell Surveys, Inc. c/o Owen Compliance Services | NA0494 |
| EX2015070493 | Hunter Wireline Services, LLC | UN0494 |
| EX2015070495 | Hunter Wireline Services, LLC | UN0494 |
| EX2015070498 | Hunter Wireline Services, LLC | NA0494 |
| EX2015070499 | Hunter Wireline Services, LLC | NA0494 |
| EX2015070500 | Hunter Wireline Services, LLC | NA0494 |
| EX2015070501 | Hunter Wireline Services, LLC | UN0494 |
| EX2015070503 | Hunter Wireline Services, LLC | UN0494 |
| EX2015070505 | Hunter Wireline Services, LLC | NA0494 |
| EX2015070512 | Hunter Wireline Services, LLC | NA0494 |
| EX2015070514 | Hunter Wireline Services, LLC | UN0494 |
| EX2015070520 | Hunter Wireline Services, LLC | UN0494 |
| EX2015070521 | Hunter Wireline Services, LLC | NA0494 |
| EX2015070522 | Hunter Wireline Services, LLC | UN0494 |
| EX2009040043 | Integrated Production Services, Inc | UN0494 |
| EX2009040044 | Integrated Production Services, Inc | NA0124 |
| EX2009040045 | Integrated Production Services, Inc | UN0494 |
| EX2009040047 | Integrated Production Services, Inc | NA0494 |
| EX2009040086 | Integrated Production Services, Inc | UN0124 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|-------------------------------------|-----------|
| EX2009040087 | Integrated Production Services, Inc | UN0494 |
| EX2009040089 | Integrated Production Services, Inc | UN0494 |
| EX2009040091 | Integrated Production Services, Inc | NA0124 |
| EX2009040092 | Integrated Production Services, Inc | UN0494 |
| EX2009040093 | Integrated Production Services, Inc | NA0124 |
| EX2009040094 | Integrated Production Services, Inc | UN0124 |
| EX2009040095 | Integrated Production Services, Inc | NA0494 |
| EX2009040096 | Integrated Production Services, Inc | UN0494 |
| EX2009040097 | Integrated Production Services, Inc | NA0124 |
| EX2009040098 | Integrated Production Services, Inc | NA0494 |
| EX2009040099 | Integrated Production Services, Inc | UN0494 |
| EX2009040100 | Integrated Production Services, Inc | UN0124 |
| EX2009040101 | Integrated Production Services, Inc | NA0494 |
| EX2009040102 | Integrated Production Services, Inc | UN0124 |
| EX2009040103 | Integrated Production Services, Inc | NA0494 |
| EX2010071124 | J–W Wireline Company | NA0494 |
| EX2010071125 | J–W Wireline Company | NA0494 |
| EX2010071126 | J–W Wireline Company | NA0494 |
| EX2010071127 | J–W Wireline Company | UN0494 |
| EX2010071128 | J–W Wireline Company | UN0494 |
| EX2010071129 | J–W Wireline Company | UN0494 |
| EX2010071130 | J–W Wireline Company | UN0494 |
| EX2010071131 | J–W Wireline Company | UN0494 |
| EX2010071132 | J–W Wireline Company | UN0494 |
| EX2010071133 | J–W Wireline Company | UN0494 |
| EX2009050655 | K & N Perforators, Inc | UN0494 |
| EX2010050454 | K & N Perforators, Inc | NA0494 |
| EX2010050455 | K & N Perforators, Inc | NA0494 |
| EX2010050456 | K & N Perforators, Inc | NA0494 |
| EX2010050457 | K & N Perforators, Inc | NA0494 |
| EX2010050458 | K & N Perforators, Inc | NA0494 |
| EX2010050459 | K & N Perforators, Inc | NA0494 |
| EX2010050460 | K & N Perforators, Inc | UN0494 |
| EX2014080601 | Keane Frac ND, LLC | UN0124 |
| EX2014080602 | Keane Frac ND, LLC | NA0124 |
| EX2014080603 | Keane Frac ND, LLC | UN0494 |
| EX2014080605 | Keane Frac ND, LLC | NA0494 |
| EX2014090516 | Keane Frac ND, LLC | NA0124 |
| EX2014080593 | Keane Frac TX, LLC | UN0124 |
| EX2014080596 | Keane Frac TX, LLC | NA0124 |
| EX2014080598 | Keane Frac TX, LLC | UN0494 |
| EX2014080599 | Keane Frac TX, LLC | NA0494 |
| EX2013110799 | Keane Frac, LP | UN0494 |
| EX2013110800 | Keane Frac, LP | NA0124 |
| EX2013110802 | Keane Frac, LP | NA0494 |
| EX2009035502 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035503 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035504 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035505 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035506 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035507 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035508 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035509 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035510 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035511 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035512 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035513 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035514 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035515 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035516 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035517 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035518 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035519 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035520 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035521 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035522 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009035523 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035524 | Key Electric Wireline Services, LLC | UN0494 |
| EX2009035525 | Key Electric Wireline Services, LLC | UN0124 |
| EX2009050253 | Lone Wolf Wireline, Inc | NA0124 |
| EX2009050254 | Lone Wolf Wireline, Inc | UN0494 |
| EX2009050255 | Lone Wolf Wireline, Inc | UN0124 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|--|-----------|
| EX2009050256 | Lone Wolf Wireline, Inc | NA0494 |
| EX2009050257 | Lone Wolf Wireline, Inc | NA0124 |
| EX2009050258 | Lone Wolf Wireline, Inc | UN0494 |
| EX2009050259 | Lone Wolf Wireline, Inc | UN0124 |
| EX2009050260 | Lone Wolf Wireline, Inc | NA0494 |
| EX2009050261 | Lone Wolf Wireline, Inc | NA0124 |
| EX2009050264 | Lone Wolf Wireline, Inc | NA0494 |
| EX2009050275 | Lone Wolf Wireline, Inc | NA0494 |
| EX2014120034 | Magna Energy Services, LLC | UN0494 |
| EX2014120035 | Magna Energy Services, LLC | UN0494 |
| EX2009050133 | Mesa Wireline, LLC | UN0494 |
| EX2009050134 | Mesa Wireline, LLC | UN0124 |
| EX2009050153 | Mesa Wireline, LLC | UN0494 |
| EX2009050156 | Mesa Wireline, LLC | NA0124 |
| EX2009050157 | Mesa Wireline, LLC | UN0494 |
| EX2009050158 | Mesa Wireline, LLC | UN0124 |
| EX2013050446 | Moncla E-line Services, Inc | UN0494 |
| EX2013050447 | Moncla E-line Services, Inc | NA0494 |
| EX2013050448 | Moncla E-line Services, Inc | NA0494 |
| EX2013050449 | Moncla E-line Services, Inc | NA0494 |
| EX2013050450 | Moncla E-line Services, Inc | NA0494 |
| EX2013050451 | Moncla E-line Services, Inc | NA0494 |
| EX2013050452 | Moncla E-line Services, Inc | NA0494 |
| EX2013050476 | Moncla E-line Services, Inc | UN0494 |
| EX2013050477 | Moncla E-line Services, Inc | UN0494 |
| EX2013050479 | Moncla E-line Services, Inc | UN0494 |
| EX2013050480 | Moncla E-line Services, Inc | UN0494 |
| EX2013050481 | Moncla E-line Services, Inc | UN0494 |
| EX2013050482 | Moncla E-line Services, Inc | UN0494 |
| EX2009050029 | Nabors Completion & Production Services Co | NA0124 |
| EX2009050038 | Nabors Completion & Production Services Co | UN0494 |
| EX2009050040 | Nabors Completion & Production Services Co | NA0494 |
| EX2009050041 | Nabors Completion & Production Services Co | NA0124 |
| EX2009050042 | Nabors Completion & Production Services Co | UN0494 |
| EX2009050043 | Nabors Completion & Production Services Co | UN0124 |
| EX2009050044 | Nabors Completion & Production Services Co | NA0494 |
| EX2009050045 | Nabors Completion & Production Services Co | NA0124 |
| EX2009050046 | Nabors Completion & Production Services Co | UN0494 |
| EX2009050047 | Nabors Completion & Production Services Co | UN0124 |
| EX2009050050 | Nabors Completion & Production Services Co | UN0494 |
| EX2009050051 | Nabors Completion & Production Services Co | UN0124 |
| EX2009050052 | Nabors Completion & Production Services Co | UN0494 |
| EX2009050053 | Nabors Completion & Production Services Co | UN0124 |
| EX2009050054 | Nabors Completion & Production Services Co | NA0494 |
| EX2015010280 | Nitro Downhole LLC | UN0494 |
| EX2018122399 | Norman Wireline Service, Inc | UN0494 |
| EX1996110217 | Owen Oil Tools, Inc c/o Owen Compliance Services | NA0494 |
| EX2015070752 | Patriot Well Solutions | NA0494 |
| EX2015070753 | Patriot Well Solutions | UN0494 |
| EX2015070754 | Patriot Well Solutions | UN0124 |
| EX2015070755 | Patriot Well Solutions | UN0494 |
| EX2015070756 | Patriot Well Solutions | NA0494 |
| EX2015070757 | Patriot Well Solutions | UN0494 |
| EX2014110383 | Peak Wireline Services Inc | UN0494 |
| EX2015010339 | Peak Wireline Services Inc | UN0494 |
| EX2015010340 | Peak Wireline Services Inc | UN0494 |
| EX2015010341 | Peak Wireline Services Inc | UN0494 |
| EX2009050128 | Perf-O-Log, Inc | UN0494 |
| EX2009050129 | Perf-O-Log, Inc | UN0494 |
| EX2015010001 | PerfX Wireline Services LLC | UN0494 |
| EX2012120815 | Petroleum Perforators, Inc | UN0494 |
| EX2012120816 | Petroleum Perforators, Inc | NA0494 |
| EX2012120817 | Petroleum Perforators, Inc | UN0494 |
| EX2012120820 | Petroleum Perforators, Inc | NA0494 |
| EX2012120822 | Petroleum Perforators, Inc | UN0494 |
| EX2012120823 | Petroleum Perforators, Inc | NA0494 |
| EX2012120824 | Petroleum Perforators, Inc | UN0494 |
| EX2012120828 | Petroleum Perforators, Inc | NA0494 |
| EX2012120830 | Petroleum Perforators, Inc | UN0494 |
| EX2012120831 | Petroleum Perforators, Inc | NA0494 |
| EX2012120832 | Petroleum Perforators, Inc | NA0494 |
| EX2012120833 | Petroleum Perforators, Inc | UN0494 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|---|-----------|
| EX2012120834 | Petroleum Perforators, Inc | UN0494 |
| EX2013070110 | Petroleum Perforators, Inc | NA0494 |
| EX2013070129 | Petroleum Perforators, Inc | UN0494 |
| EX2013070130 | Petroleum Perforators, Inc | NA0494 |
| EX2013070131 | Petroleum Perforators, Inc | UN0494 |
| EX2013070132 | Petroleum Perforators, Inc | NA0494 |
| EX2013070135 | Petroleum Perforators, Inc | UN0494 |
| EX2013070140 | Petroleum Perforators, Inc | NA0494 |
| EX2009120009 | Precision Wireline Services, LLC | UN0494 |
| EX2009120014 | Precision Wireline Services, LLC | UN0494 |
| EX2013031301 | Precision Wireline Services, LLC | UN0494 |
| EX2013031303 | Precision Wireline Services, LLC | UN0494 |
| EX2013031284 | Precision Wireline Services, LLC | UN0494 |
| EX2013031305 | Precision Wireline Services, LLC | UN0494 |
| EX2013031306 | Precision Wireline Services, LLC | UN0494 |
| EX2013031307 | Precision Wireline Services, LLC | UN0494 |
| EX2013110530 | Priority Energy Services, LLC | UN0494 |
| EX2013110531 | Priority Energy Services, LLC | UN0494 |
| EX2015070491 | Pro Oilfield Services, LLC | UN0494 |
| EX2015070492 | Pro Oilfield Services, LLC | UN0494 |
| EX2015070494 | Pro Oilfield Services, LLC | UN0494 |
| EX2015070496 | Pro Oilfield Services, LLC | UN0494 |
| EX2015070497 | Pro Oilfield Services, LLC | UN0494 |
| EX2009020386 | PSI Wireline, Inc | UN0494 |
| EX2009020387 | PSI Wireline, Inc | NA0494 |
| EX2009020388 | PSI Wireline, Inc | UN0494 |
| EX2009020389 | PSI Wireline, Inc | NA0494 |
| EX2009020390 | PSI Wireline, Inc | UN0494 |
| EX2009020391 | PSI Wireline, Inc | NA0494 |
| EX2009020393 | PSI Wireline, Inc | UN0494 |
| EX2009020394 | PSI Wireline, Inc | UN0494 |
| EX2009020395 | PSI Wireline, Inc | UN0494 |
| EX2009050383 | PSI Wireline, Inc | UN0494 |
| EX2009050384 | PSI Wireline, Inc | UN0494 |
| EX2009050385 | PSI Wireline, Inc | UN0494 |
| EX2009020326 | Pure Energy Services (USA) | UN0494 |
| EX2009020327 | Pure Energy Services (USA) | UN0124 |
| EX2009035001 | Pure Energy Services (USA) | NA0124 |
| EX2009035002 | Pure Energy Services (USA) | NA0494 |
| EX2009035003 | Pure Energy Services (USA) | UN0124 |
| EX2009035004 | Pure Energy Services (USA) | UN0494 |
| EX2009035005 | Pure Energy Services (USA) | NA0124 |
| EX2009035006 | Pure Energy Services (USA) | NA0494 |
| EX2009035007 | Pure Energy Services (USA) | UN0124 |
| EX2009035308 | Pure Energy Services (USA) | UN0494 |
| EX2017010535 | QES Wireline, LLC | UN0124 |
| EX2012110221 | Quality Energy Services | UN0494 |
| EX2017062013 | Reach Wireline, LLC | NA0124 |
| EX2012120524 | Recon Petrotechnologies Oklahoma Inc | UN0494 |
| EX2015120059 | Reliable Wireline, LLC | UN0124 |
| EX2015120062 | Reliable Wireline, LLC | UN0494 |
| EX2015120063 | Reliable Wireline, LLC | NA0124 |
| EX2015120076 | Reliable Wireline, LLC | UN0124 |
| EX2015120077 | Reliable Wireline, LLC | UN0494 |
| EX2015120078 | Reliable Wireline, LLC | NA0124 |
| EX2015120079 | Reliable Wireline, LLC | NA0494 |
| EX2015100247 | Reliance Pressure Cotrol, LLC dba Reliance Oilfield Services | NA0494 |
| EX2015100248 | Reliance Pressure Cotrol, LLC dba Reliance Oilfield Services | UN0494 |
| EX2015100250 | Reliance Pressure Cotrol, LLC dba Reliance Oilfield Services | NA0494 |
| EX2015100230 | Reliance Pressure Cotrol, LLC, dba Reliance Oilfield Services | UN0494 |
| EX2015100235 | Reliance Pressure Cotrol, LLC, dba Reliance Oilfield Services | NA0494 |
| EX2015100237 | Reliance Pressure Cotrol, LLC, dba Reliance Oilfield Services | UN0494 |
| EX2013060448 | RockPile Energy Services | UN0124 |
| EX2013060616 | RockPile Energy Services | UN0124 |
| EX2013060619 | RockPile Energy Services | UN0124 |
| EX2013060620 | RockPile Energy Services | UN0124 |
| EX2013121301 | RockPile Energy Services, LLC | UN0494 |
| EX2009090389 | Rocky Mountain Wireline Service, Inc | UN0124 |
| EX2009090391 | Rocky Mountain Wireline Service, Inc | NA0124 |
| EX2009110296 | Rocky Mountain Wireline Service, Inc | NA0124 |
| EX2009110297 | Rocky Mountain Wireline Service, Inc | NA0494 |
| EX2009110298 | Rocky Mountain Wireline Service, Inc | UN0124 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|--------------------------------------|-----------|
| EX2009110299 | Rocky Mountain Wireline Service, Inc | UN0494 |
| EX2009110301 | Rocky Mountain Wireline Service, Inc | NA0494 |
| EX2009110302 | Rocky Mountain Wireline Service, Inc | UN0124 |
| EX2009110303 | Rocky Mountain Wireline Service, Inc | UN0494 |
| EX2009110304 | Rocky Mountain Wireline Service, Inc | NA0124 |
| EX2009110305 | Rocky Mountain Wireline Service, Inc | NA0494 |
| EX2009110306 | Rocky Mountain Wireline Service, Inc | UN0494 |
| EX2009110307 | Rocky Mountain Wireline Service, Inc | UN0124 |
| EX2009110308 | Rocky Mountain Wireline Service, Inc | NA0494 |
| EX2009110309 | Rocky Mountain Wireline Service, Inc | NA0124 |
| EX2009110310 | Rocky Mountain Wireline Service, Inc | UN0124 |
| EX2009110311 | Rocky Mountain Wireline Service, Inc | UN0494 |
| EX2009110312 | Rocky Mountain Wireline Service, Inc | NA0124 |
| EX2009110313 | Rocky Mountain Wireline Service, Inc | NA0494 |
| EX2009110314 | Rocky Mountain Wireline Service, Inc | UN0124 |
| EX2009110315 | Rocky Mountain Wireline Service, Inc | UN0494 |
| EX2009110316 | Rocky Mountain Wireline Service, Inc | NA0124 |
| EX2009110317 | Rocky Mountain Wireline Service, Inc | UN0124 |
| EX2009110318 | Rocky Mountain Wireline Service, Inc | UN0494 |
| EX2015070685 | Rocky Mountain Wireline Service, Inc | UN0494 |
| EX2015070694 | Rocky Mountain Wireline Service, Inc | UN0124 |
| EX2016080197 | Rush Wellsite Services LLC | UN0494 |
| EX2016080198 | Rush Wellsite Services LLC | UN0494 |
| EX2016080199 | Rush Wellsite Services LLC | NA0494 |
| EX2016080200 | Rush Wellsite Services LLC | UN0494 |
| EX2016080201 | Rush Wellsite Services LLC | NA0494 |
| EX2009080294 | Schlumberger Technology Corporation | UN0124 |
| EX2009080291 | Schlumberger Technology Corporation | NA0494 |
| EX2009080295 | Schlumberger Technology Corporation | NA0124 |
| EX2009080296 | Schlumberger Technology Corporation | NA0494 |
| EX2009080297 | Schlumberger Technology Corporation | UN0494 |
| EX2009080298 | Schlumberger Technology Corporation | UN0124 |
| EX2009080300 | Schlumberger Technology Corporation | NA0124 |
| EX2009080301 | Schlumberger Technology Corporation | UN0124 |
| EX2009080302 | Schlumberger Technology Corporation | UN0494 |
| EX2009080303 | Schlumberger Technology Corporation | NA0124 |
| EX2009080305 | Schlumberger Technology Corporation | NA0494 |
| EX2009080306 | Schlumberger Technology Corporation | UN0124 |
| EX2009080307 | Schlumberger Technology Corporation | NA0124 |
| EX2009080308 | Schlumberger Technology Corporation | NA0494 |
| EX2009080309 | Schlumberger Technology Corporation | UN0494 |
| EX2009080310 | Schlumberger Technology Corporation | NA0124 |
| EX2009080311 | Schlumberger Technology Corporation | UN0124 |
| EX2009080312 | Schlumberger Technology Corporation | UN0494 |
| EX2009080313 | Schlumberger Technology Corporation | NA0494 |
| EX2009080314 | Schlumberger Technology Corporation | UN0124 |
| EX2009080315 | Schlumberger Technology Corporation | UN0494 |
| EX2009080316 | Schlumberger Technology Corporation | NA0124 |
| EX2009080317 | Schlumberger Technology Corporation | NA0494 |
| EX2009080318 | Schlumberger Technology Corporation | UN0124 |
| EX2009080319 | Schlumberger Technology Corporation | UN0494 |
| EX2012100250 | Schlumberger Technology Corporation | UN0494 |
| EX2012100251 | Schlumberger Technology Corporation | UN0124 |
| EX2012100366 | Schlumberger Technology Corporation | UN0494 |
| EX2012100367 | Schlumberger Technology Corporation | UN0124 |
| EX2013080458 | Schlumberger Technology Corporation | NA0124 |
| EX2013100334 | Schlumberger Technology Corporation | UN0494 |
| EX2013100335 | Schlumberger Technology Corporation | UN0124 |
| EX1994010168 | Schlumberger Well Services | UN0124 |
| EX1994010169 | Schlumberger Well Services | NA0124 |
| EX1996060153 | Shaped Charge Specialist, Inc | UN0124 |
| EX1996060154 | Shaped Charge Specialist, Inc | UN0494 |
| EX2010120187 | Sharpshooters, Inc | UN0494 |
| EX2010120638 | Sharpshooters, Inc | UN0494 |
| EX2010120639 | Sharpshooters, Inc | UN0494 |
| EX2010120640 | Sharpshooters, Inc | UN0124 |
| EX2010120641 | Sharpshooters, Inc | UN0124 |
| EX2010010401 | Smith International, Inc | UN0494 |
| EX2015020509 | Southern Well Survey | UN0124 |
| EX2011020588 | Star-Jet Services, Inc | UN0494 |
| EX2011020590 | Star-Jet Services, Inc | UN0494 |
| EX2011020591 | Star-Jet Services, Inc | UN0494 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|---|-----------|
| EX2011020592 | Star-Jet Services, Inc | UN0494 |
| EX2011021392 | Star-Jet Services, Inc | UN0494 |
| EX2014100604 | Strategic Wireline Services LLC | UN0494 |
| EX2014100605 | Strategic Wireline Services LLC | UN0494 |
| EX2014100606 | Strategic Wireline Services LLC | UN0494 |
| EX2014100607 | Strategic Wireline Services LLC | UN0494 |
| EX2009050039 | Superior Well Services, Inc | UN0124 |
| EX2009050048 | Superior Well Services, Inc | NA0494 |
| EX2014060299 | Terragon Energy Services, LLC | UN0494 |
| EX2014060310 | Terragon Energy Services, LLC | UN0494 |
| EX2014060298 | Terragon Energy Services, LLC | UN0494 |
| EX2010120189 | Tetra Applied Technologies, LLC | UN0494 |
| EX2010120643 | Tetra Applied Technologies, LLC | UN0124 |
| EX2010120644 | Tetra Applied Technologies, LLC | UN0494 |
| EX2010120645 | Tetra Applied Technologies, LLC | UN0124 |
| EX2010120646 | Tetra Applied Technologies, LLC | UN0124 |
| EX2010120647 | Tetra Applied Technologies, LLC | UN0494 |
| EX2010120648 | Tetra Applied Technologies, LLC | UN0124 |
| EX2010120649 | Tetra Applied Technologies, LLC | UN0494 |
| EX2010120650 | Tetra Applied Technologies, LLC | UN0124 |
| EX2010120651 | Tetra Applied Technologies, LLC | UN0494 |
| EX2010120652 | Tetra Applied Technologies, LLC | UN0124 |
| EX2010120658 | Tetra Applied Technologies, LLC | UN0494 |
| EX2010120659 | Tetra Applied Technologies, LLC | UN0124 |
| EX2010120660 | Tetra Applied Technologies, LLC | UN0494 |
| EX2010120661 | Tetra Applied Technologies, LLC | NA0124 |
| EX2010120662 | Tetra Applied Technologies, LLC | UN0494 |
| EX2010120706 | Tetra Applied Technologies, LLC | NA0124 |
| EX2010120707 | Tetra Applied Technologies, LLC | NA0494 |
| EX2010120708 | Tetra Applied Technologies, LLC | NA0124 |
| EX2010120709 | Tetra Applied Technologies, LLC | UN0494 |
| EX2011110218 | Titan Wireline Services | UN0124 |
| EX2011110219 | Titan Wireline Services | NA0494 |
| EX2011110220 | Titan Wireline Services | UN0494 |
| EX2011110221 | Titan Wireline Services | UN0494 |
| EX2011110222 | Titan Wireline Services | UN0494 |
| EX1996110206 | Titan Wireline Services c/o Owen Compliance Service | NA0124 |
| EX1996110207 | Titan Wireline Services c/o Owen Compliance Service | NA0494 |
| EX2012080810 | Tucker Energy Services Inc | UN0494 |
| EX2013090762 | Tucker Energy Services Inc | NA0494 |
| EX2009060090 | United Surveys Inc | UN0494 |
| EX2009060091 | United Surveys Inc | UN0494 |
| EX2009060092 | United Surveys Inc | NA0494 |
| EX2009060095 | UNITED SURVEYS, INC | UN0494 |
| EX2009060098 | UNITED SURVEYS, INC | UN0494 |
| EX2012051013 | Warrior Energy Services | UN0494 |
| EX2012051014 | Warrior Energy Services | UN0494 |
| EX2012051015 | Warrior Energy Services | NA0494 |
| EX2012051016 | Warrior Energy Services | UN0494 |
| EX2012051018 | Warrior Energy Services | UN0494 |
| EX2012061117 | Warrior Energy Services Corporation | NA0494 |
| EX2012061119 | Warrior Energy Services Corporation | UN0494 |
| EX2012061120 | Warrior Energy Services Corporation | NA0494 |
| EX2012061121 | Warrior Energy Services Corporation | UN0494 |
| EX2012061123 | Warrior Energy Services Corporation | UN0494 |
| EX2012061124 | Warrior Energy Services Corporation | NA0494 |
| EX2012061122 | Warrior Energy Services Corporation | NA0494 |
| EX2010090677 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0124 |
| EX2010090678 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0124 |
| EX2010090679 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0124 |
| EX2010090680 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0124 |
| EX2010090681 | Weaver Services Inc, dba WSI Cased Hole Specialist | UN0494 |
| EX2010090682 | Weaver Services Inc, dba WSI Cased Hole Specialist | UN0494 |
| EX2010090683 | Weaver Services Inc, dba WSI Cased Hole Specialist | UN0494 |
| EX2010090684 | Weaver Services Inc, dba WSI Cased Hole Specialist | UN0494 |
| EX2010090685 | Weaver Services Inc, dba WSI Cased Hole Specialist | UN0494 |
| EX2010090686 | Weaver Services Inc, dba WSI Cased Hole Specialist | UN0494 |
| EX2010090687 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0124 |
| EX2010090688 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0124 |
| EX2010090689 | Weaver Services Inc, dba WSI Cased Hole Specialist | UN0494 |
| EX2010090690 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0494 |
| EX2010090691 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0494 |

TABLE 3—APPROVAL HOLDERS—Continued

| EX No. | Company | UN/NA No. |
|--------------|--|-----------|
| EX2010090692 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0494 |
| EX2010090693 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0494 |
| EX2010090694 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0494 |
| EX2010090733 | Weaver Services Inc, dba WSI Cased Hole Specialist | NA0494 |
| EX2011020555 | Well Service of Alabama LLC | UN0494 |
| EX2011020861 | Well Service of Alabama LLC | UN0494 |
| EX2011020862 | Well Service of Alabama LLC | UN0494 |
| EX2021042088 | Wellmatics | NA0124 |
| EX2009050094 | Wireline Specialties, Inc | UN0494 |
| EX2009050095 | Wireline Specialties, Inc | UN0124 |
| EX2009050096 | Wireline Specialties, Inc | NA0494 |
| EX2009050097 | Wireline Specialties, Inc | NA0124 |
| EX2009050098 | Wireline Specialties, Inc | UN0124 |
| EX2009050099 | Wireline Specialties, Inc | UN0124 |
| EX2009050100 | Wireline Specialties, Inc | NA0494 |
| EX2009050101 | Wireline Specialties, Inc | NA0124 |
| EX2009050102 | Wireline Specialties, Inc | UN0124 |
| EX2009050103 | Wireline Specialties, Inc | UN0124 |
| EX2009050104 | Wireline Specialties, Inc | NA0494 |
| EX2009050105 | Wireline Specialties, Inc | NA0124 |
| EX2009050106 | Wireline Specialties, Inc | UN0494 |
| EX2009050107 | Wireline Specialties, Inc | UN0124 |
| EX2009050108 | Wireline Specialties, Inc | NA0494 |
| EX2009050109 | Wireline Specialties, Inc | NA0124 |
| EX2009050110 | Wireline Specialties, Inc | UN0494 |
| EX2009050111 | Wireline Specialties, Inc | UN0124 |
| EX2009050112 | Wireline Specialties, Inc | NA0494 |
| EX2009050113 | Wireline Specialties, Inc | NA0124 |
| EX2009050114 | Wireline Specialties, Inc | UN0494 |
| EX2009050115 | Wireline Specialties, Inc | UN0124 |
| EX2009050116 | Wireline Specialties, Inc | NA0494 |
| EX2009050117 | Wireline Specialties, Inc | NA0124 |
| EX2009050118 | Wireline Specialties, Inc | UN0494 |
| EX2009050119 | Wireline Specialties, Inc | UN0124 |
| EX2010091016 | Wrangler Wireline, Inc | UN0494 |
| EX2011120468 | Wren Oilfield Services, Inc | UN0494 |
| EX2011120502 | Wren Oilfield Services, Inc | UN0494 |
| EX2011120504 | Wren Oilfield Services, Inc | UN0494 |
| EX2011120506 | Wren Oilfield Services, Inc | UN0494 |
| EX2012050234 | Wren Oilfield Services, Inc | UN0494 |

Issued in Washington, DC, on August 9, 2022.

William S. Schoonover,

Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration.

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BILLING CODE 4910-60-P

DEPARTMENT OF TRANSPORTATION

Office of the Secretary

[Docket No. DOT-OST-2013-0074]

Request OMB Clearance for Agency Request for Reinstatement of a Previously Approved Information Collection: Foreign Air Carrier Application for Statement of Authorization

AGENCY: Department of Transportation (DOT), Office of the Secretary (OST).

ACTION: Notice and request for comments.

SUMMARY: In compliance with the Paperwork Reduction Act of 1995, the Department of Transportation’s Office of the Secretary (OST) invites the general public, industry and other governmental parties to comment on the Foreign Air Carrier Application for Statement of Authorization. The pre-existing information collection request previously approved by the Office of Management and Budget (OMB) expired on July 31, 2022.

DATES: Written comments should be submitted by October 2, 2022.

FOR FURTHER INFORMATION CONTACT: Darren Jaffe, (202) 366-2512, Office of International Aviation, U.S. Department of Transportation, 1200 New Jersey Avenue SE, Room W86-441, Washington, DC 20590. Office hours are from 9 a.m. to 5:30 p.m., Monday through Friday, except Federal holidays.

ADDRESSES: You may submit a comment to Docket No. DOT-OST-2013-0074 through one of the following methods:

Website: <https://www.regulations.gov>. Follow the instructions for submitting comments on the FDMS electronic docket site.

Fax: 1-202-493-2251.

Mail: Docket Management Facility; U.S. Department of Transportation, 1200 New Jersey Avenue SE, West Building, Room W12-140, Washington, DC 20590.

Hand Delivery: Room W12-140 on the ground level of the West Building, 1200 New Jersey Avenue SE, Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Wednesday and Federal Holidays.

Instructions: All comments must include the agency name and FDMS Docket No. DOT-OST-2013-0074. Note that all comments received will be posted without change to <http://www.regulations.gov>, including any personal information provided. You should know that anyone is able to search the electronic form of all comments received into any of our dockets by the name of the individual