

**Rikala, Ward, EMNRD**

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**From:** Rikala, Ward, EMNRD  
**Sent:** Tuesday, January 28, 2025 3:36 PM  
**To:** crichardson@logosresourcesllc.com; Krista McWilliams; Vanessa Fields; Etta Trujillo; Lacey Granillo; Kuehling, Monica, EMNRD  
**Subject:** FW: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update  
**Attachments:** Julander 1E DRAFT NOI for Bradenhead Remediation.pdf; Local Expander Presentation 10242024.pdf; LOGOS JULANDER FEDERAL 1E LET Intervals Proposed.pdf

Catlain-

Sorry for the delayed response to your request. OCD has reviewed the proposal and approves the request to use the Local Expander Tool (LET) in the Julander Federal #001E API 30-045-25000 with the following COA's:

- 1- OCD requires a pre LET job and post LET job caliper log from the DV tool to surface.
- 2- OCD requires a pre LET and post LET CBL from the DV tool to surface.
- 3- The depths authorized for use are 1480', 1473', 1418', 1378', 1370', 1360', 1044', and 1011'.
- 4- Perform MIT in 30 days and another in 1 year from date of workover.
- 5- Perform Bradenhead test in 30 days, another in 6 months, another in one year and then annually after that.

Ward

**From:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
**Sent:** Monday, December 16, 2024 9:51 AM  
**To:** Wrinkle, Justin, EMNRD <Justin.Wrinkle@emnrd.nm.gov>  
**Cc:** Powell, Brandon, EMNRD <Brandon.Powell@emnrd.nm.gov>; Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good morning – I will forward Renegade's email as well

Monica

**From:** Catlain Richardson <crichardson@logosresourcesllc.com>  
**Sent:** Monday, December 16, 2024 9:43 AM  
**To:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
**Cc:** Krista McWilliams <kmcwilliams@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Lacey Granillo <lgranillo@logosresourcesllc.com>  
**Subject:** FW: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good Morning, Monica,

I just wanted to check in with you to see what your thoughts are about how we may be able to advance consideration of the below and attached proposal for repairing the Julander 1E.

I believe you have heard from the Renegade folks, but please let me know if there is something I can do to facilitate further discussion and, hopefully, approval.

Thank you!  
Catlain



**Catlain Richardson**

Production Engineering and Completion Manager

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**From:** Catlain Richardson <[crichardson@logosresourcesllc.com](mailto:crichardson@logosresourcesllc.com)>

**Sent:** Friday, November 15, 2024 3:30 PM

**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>; Rennick, Kenneth G <[kretnick@blm.gov](mailto:kretnick@blm.gov)>; Kade, Matthew H <[mkade@blm.gov](mailto:mkade@blm.gov)>

**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>; Courtney Peace <[cpeace@logosresourcesllc.com](mailto:cpeace@logosresourcesllc.com)>; Samantha Gomez <[sgomez@logosresourcesllc.com](mailto:sgomez@logosresourcesllc.com)>; Sabrina Sullivan <[ssullivan@logosresourcesllc.com](mailto:ssullivan@logosresourcesllc.com)>

**Subject:** Re: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good afternoon, Monica,

I hope this message finds you well. I am writing to provide an update regarding the remediation plan for the Julander 1E well and to apologize for the delay in our response. As we were preparing the Notice of Intent (NOI) for the initially proposed solution, we were presented with an alternative approach. We took additional time to evaluate its benefits, which we believe offer a more effective and robust remediation strategy.

The proposed solution utilizes the Local Expansion Tool developed by Renegade Wireline. This innovative tool offers several critical advantages:

- **Simplified Procedure:** Reduces complexity and minimizes the potential for operational issues.
- **Minimally Invasive:** Preserves the well's structural integrity, allowing for future remediation options.
- **Cement Integrity Restoration:** Enhances the primary cement job, addressing the root cause of migration concerns.
- **Maintains Wellbore Integrity:** Avoids destructive processes, such as casing removal, ensuring the wellbore remains intact.
- **Targeted Isolation:** Provides precise isolation of problematic formations and gas sources.
- **Reusability:** Allows for reapplication if migration pathways reemerge in the future.

The remediation plan consists of eight sequences which expand the casing at specific, targeted depths in the well, with three casing expansions per sequence. The casing expansions compress the cement, thereby sealing the microannulus. The recommended targets for this remediation are:

1. ~1480', 1473': Deep protection of the Pictured Cliffs formation.
2. ~1418': Isolation of a potential leak path and shallow protection of the Pictured Cliffs.
3. 1378', 1370', 1360': Primary, secondary, and tertiary isolations of the identified leak path.
4. 1044', 1011': Primary and secondary isolations of the Fruitland Coal and potential surface migration paths.

This targeted isolation approach is designed to eliminate current migration pathways and reduce the risk of future occurrences. The specific expansion depths were provided by the vendor and based on the radial cement bond and noise logs. The vendor recommends expansions at those depths in order to isolate the key components and based upon the cement quality at the region of each expansion depth. Based on the tool company's expertise they have target regions where the cement is a good candidate for successfully sealing the microannulus.

To assist in evaluating this proposal, I have included a technical presentation that provides a detailed overview of the tool and its application. Additionally, a demonstration video is available at the following link:

<https://vimeo.com/341112975>. Renegade Wireline, which has completed over 300 micro-annulus repairs with a success rate of 92%, is also available to provide a presentation to familiarize the agency with the technology and answer any questions.

I have also attached draft verbiage for the NOI that reflects the proposed remediation plan. I kindly request your review of these materials and would appreciate any feedback you may have. Additionally, I would value your guidance on how best to proceed with this submission.

Thank you for your time and consideration. Please do not hesitate to reach out with any questions or if further information is required.

Catlain



**Catlain Richardson**

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**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>

**Sent:** Monday, July 15, 2024 4:18 PM

**To:** Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kade, Matthew H <[mkade@blm.gov](mailto:mkade@blm.gov)>

**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Catlain Richardson <[crichardson@logosresourcesllc.com](mailto:crichardson@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>; Courtney Peace <[cpeace@logosresourcesllc.com](mailto:cpeace@logosresourcesllc.com)>; Samantha Gomez <[sgomez@logosresourcesllc.com](mailto:sgomez@logosresourcesllc.com)>; Sabrina Sullivan <[ssullivan@logosresourcesllc.com](mailto:ssullivan@logosresourcesllc.com)>

**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update



Hello Lacey

Please submit a Notice of intent for the sealant application – Please include all details on the sealant, be very detailed. NOI should include all work/testing on the well that has happened up to this point which would explain the reason for the use of the sealant.

Let me know the action id when submitted.

Thank you

Monica Kuehling  
Compliance Officer Supervisor  
Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
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Cell Phone: 505-320-0243  
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**From:** Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>

**Sent:** Monday, July 8, 2024 11:46 AM

**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kade, Matthew H <[mkade@blm.gov](mailto:mkade@blm.gov)>

**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Catlain Richardson <[crichardson@logosresourcesllc.com](mailto:crichardson@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>; Courtney Peace <[cpeace@logosresourcesllc.com](mailto:cpeace@logosresourcesllc.com)>; Samantha Gomez <[sgomez@logosresourcesllc.com](mailto:sgomez@logosresourcesllc.com)>; Sabrina Sullivan <[ssullivan@logosresourcesllc.com](mailto:ssullivan@logosresourcesllc.com)>

**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good morning, Monica-

I hope you had a great 4<sup>th</sup>! I just wanted to follow up and see if there was a decision made yet on the pending approval for the NOI 2<sup>nd</sup> procedure .

Thank you,

*Lacey Granillo*

Regulatory Specialist

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**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Sent:** Tuesday, June 11, 2024 6:45 AM  
**To:** Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kade, Matthew H <[mkade@blm.gov](mailto:mkade@blm.gov)>  
**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Kaitlyn Moss <[kmoss@logosresourcesllc.com](mailto:kmoss@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Catlain Richardson <[crichardson@logosresourcesllc.com](mailto:crichardson@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Lacey

This has went to upper management.

I will let you know when anything is decided.

Thank you

Monica Kuehling  
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Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
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**From:** Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>  
**Sent:** Monday, June 10, 2024 1:38 PM  
**To:** Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Kade, Matthew H <[mkade@blm.gov](mailto:mkade@blm.gov)>  
**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Kaitlyn Moss <[kmoss@logosresourcesllc.com](mailto:kmoss@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Catlain Richardson <[crichardson@logosresourcesllc.com](mailto:crichardson@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good afternoon, Monica-

I just wanted to follow up on the pending approval for the NOI 2<sup>nd</sup> procedure. Please let me know if you need anything else.

Thank you,

**Lacey Granillo**  
Regulatory Specialist  
Cell: 505-787-0118  
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**From:** Lacey Granillo <lgranillo@logosresourcesllc.com>

**Sent:** Monday, June 3, 2024 11:48 AM

**To:** Rennick, Kenneth G <krennick@blm.gov>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>

**Cc:** Krista McWilliams <kmcwilliams@logosresourcesllc.com>; Kaitlyn Moss <kmoss@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Catlain Richardson <crichardson@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>

**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good morning, Monica-

I just wanted to check on the pending approval for the NOI 2<sup>nd</sup> procedure that was submitted to OCD on 5/14/24 (id 344055) for the Julandar Federal #001E. Please let me know if you need anything else.

Thank you,

*Lacey Granillo*

Regulatory Specialist

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**From:** Rennick, Kenneth G <krennick@blm.gov>

**Sent:** Friday, April 26, 2024 1:05 PM

**To:** Lacey Granillo <lgranillo@logosresourcesllc.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>

**Cc:** Krista McWilliams <kmcwilliams@logosresourcesllc.com>; Kaitlyn Moss <kmoss@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Catlain Richardson <CRichardson@logosresourcesllc.com>; Vanessa Fields <vfields@logosresourcesllc.com>

**Subject:** Re: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Thank you for the information. The BLM finds the proposal appropriate.

Kenneth (Kenny) Rennick



Petroleum Engineer

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6251 College Blvd  
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**From:** Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>

**Sent:** Friday, April 26, 2024 11:11 AM

**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Kaitlyn Moss <[kmoss@logosresourcesllc.com](mailto:kmoss@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Catlain Richardson <[CRichardson@logosresourcesllc.com](mailto:CRichardson@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>

**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good morning, Kenny and Monica-

Based on steps 1-12 of the procedure that was approved on March 15th, the following diagnostic assessment was completed on the Julander 1E:

3/28/24

- A plumb bob was dropped down the bradenhead and tagged hard at 61" (presumed TOC). The plumb bob and string were dry. The results were corroborated with an Echometer shot indicating the TOC at ~6' from surface. A casing shot with the Echometer confirmed the presence of the bridge plug and the casing standing full of liquid.
- A chart recorder was installed on the bradenhead gauge. The bradenhead blew down from 126 psi to 0 psi in 30 minutes. A very light blow remained on the bradenhead after reaching 0 psi.
- An 8 pack of nitrogen bottles was rigged up the surface valve and pressure tested to conduct an N2 injection test.
  - Nitrogen was injected to 150 psi and the BH was shut in. Bleed down was monitored indicating 25 psi drop in 10 minutes.
  - Nitrogen was injected to 650 psi and the BH was shut in. Bleed down was monitored indicating 336 psi of bleed off to 314 psi in 7 minutes.
  - Nitrogen was injected to 1150 psi and the BH was shut in. Bleed down was monitored indicating 500 psi of bleed off to 650 psi in 9 minutes.
  - Could not build pressure to 1600 psi on BH. Shut in at 1425 psi with bleed off of 1125 psi to 325 psi in 60 minutes.
  - Blew down 325 psi in 8 minutes to 0 psi with a very light blow.
- Because nitrogen injection resulted in establishing a pump in injection rate, it was determined to establish an injection rate and pressure with fresh water.
  - Rigged up a test pump to the surface casing.
  - Pumped 8 gal to load the annular space.
  - Pressured up to 500 psi and dropped to 40 psi in 5 minutes.
  - Pressured up to 1000 psi and dropped to 60 psi in 5 minutes.
  - Pressure up to 1600 psi and dropped to 125 psi in 5 minutes.
  - Pumped a total of 12-gal fresh water. Bled 125 psi down to 0 psi and recovered less than 1 gal water.

The results of the diagnostics positively indicate the ability to inject down the micro annulus; therefore, the proposed pressure activated sealant repair procedure has been updated to include injection of both atomized

pressure activated sealant in a nitrogen stream and a contingency plan for injecting a mix of water and sealant down the annulus in the event that an effective seal cannot be established with nitrogen and sealant.

Please see the updated, proposed repair procedure.

Additionally, after having followed up with Seal-Tite International regarding the testing for degradation of their sealant, Seal-Tite provided two reports that outline testing on the cured sealants which indicate that the sealant retains its efficacy when exposed to various chemicals and retains strength and integrity under extreme temperatures as compared to typical wellbore conditions. There are also a number of case studies demonstrating seal longevity. Additionally, Seal-Tite has conducted testing at Sandia National Labs on behalf of the DOE where they gained approval for using the sealant to cure micro-annulus leaks in caverns at the Strategic Petroleum Reserve. Those tests are not for public release, but the NMOCD may be able to access those as a government agency.

Also, please note that as recently as 2021 Seal-Tite was used in New Mexico for a major oil and gas operator to successfully cure a sustained casing pressure issue. In 2017, Seal-Tite conducted a demonstration for the NMOCD including Kelly Roberts and Carl Chavez. At the time of the demonstration, approval was granted to proceed with a sealant repair; however, the operator elected to P&A the well in lieu of the repair.

LOGOS believes that the pressurized sealant repair method proposed herein is the only viable way to responsibly remediate the micro annulus in the Julander 1E. While the repair is quite costly, in our research and diagnostics, we have reached out to other vendors and industry experts. Other vendors make recommendations for a "horse collar" type repair that seals the micro annulus at surface using polymer but does not effectively stop the migration of gas through the micro annulus. LOGOS requests further discussion to pursue the repair of the Julander 1E micro annulus using Seal-Tite's pressure activated sealant according to the attached procedure.

Thank you,

*Lacey Granillo*

Regulatory Specialist

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**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>

**Sent:** Friday, March 15, 2024 10:40 AM

**To:** Catlain Richardson <[CRichardson@logosresourcesllc.com](mailto:CRichardson@logosresourcesllc.com)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>; Kenneth Rennick <[krennick@blm.gov](mailto:krennick@blm.gov)> <[krennick@blm.gov](mailto:krennick@blm.gov)>

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**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Thank you Lacey for the corrected submittal of the gas analysis.

Concerning the Polymer below – from our understanding polymer degrades over time.



Concerning your NOI Action ID 319710, I will approve it through item 12 but no farther. Once the test is performed we can discuss again.

Thank you

Monica Kuehling  
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Deputy Oil and Gas Inspector  
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**From:** Catlain Richardson <[CRichardson@logosresourcesllc.com](mailto:CRichardson@logosresourcesllc.com)>  
**Sent:** Friday, March 15, 2024 7:43 AM  
**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>; Kenneth Rennick ([krennick@blm.gov](mailto:krennick@blm.gov)) <[krennick@blm.gov](mailto:krennick@blm.gov)>  
**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Kaitlyn Moss <[kdickens@logosresourcesllc.com](mailto:kdickens@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>  
**Subject:** Re: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good Morning Monica,

Please see the below email correspondence and attachments from Joel Johns with Seal-Tite, and please let me know if you would like for me to make arrangements for further discussion or a presentation from Seal-Tite.

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Catlain,

I have reviewed Ms. Kuehlings' email and can offer the following comments.

For the purpose of this project, we are presently considering utilizing our proprietary pressure-activated sealant. I have attached a safety data sheet for reference. The exact chemical composition of our sealant is proprietary. The sealant will remain in liquid state until it is experiences a differential pressure drop which causes the sealant to polymerize into a flexible solid. We can custom blend the sealants for the specific application.

Seal-Tite International® has been in business since 1995. We have been deployed on over 5,000 projects with applications ranging from deep-sea production wells to storage caverns and beyond. Specific to micro-annulus cement repairs, our record to date is shown in the table below. Service only refers to applications where diagnostics were

performed and no sealant was applied. Further information on the application of our sealants and success rates may be found on our website at <https://seal-tite.com/>.

Successful	Unsuccessful	Service Only	Total Operations	Success rate
82	14	82	178	85%

In regard to Ms. Kuehlings' inquiry about the States where our sealants have been used, I have compiled the following list. This list is specific to micro-annulus applications. I have included a list of countries where we have addressed micro-annulus leaks as well. I have attached a PDF file containing a number of case histories for sustained casing pressure/micro-annulus operations. Also included is an SPE paper which includes a case history along with pertinent testing information related to micro-annulus leaks.

States	Countries
Alabama	Angola
Alaska	The Netherlands
California	UAE
Kansas	Mexico
Louisiana	Pakistan
Michigan	Canada
New Mexico	
Ohio	
Pennsylvania	
Texas	

You'll note that we have worked in New Mexico previously. Our last job in New Mexico was for a major oil and gas operator where we successfully cured a sustained casing pressure issue. This was in 2021.

I would encourage referring Ms. Kuehling to our website as mentioned above. We have videos, test reports, technical papers, job histories and a wide array of other information she may find useful. If you would like, I would be happy to arrange a discussion/presentation with her and members of her team and ours in order to answer any questions she might have. For reference, I have also included a number of case histories for her review.

Actually we have presented to members of the NMOCD. In 2017 some of my colleagues traveled to New Mexico and performed a live demonstration of our sealant along with a presentation. Kelly Roberts and Carl Chavez were among those who attended. We were seeking to get approval to repair a sustained casing pressure leak for a major operator at that time. While approval was granted, the operator elected to abandon the well.

If you'd like, I'd be pleased to address these comments to Ms. Kuehling directly. Please let me know if I can provide anything further.

Regards,

Joel Johns

Technical Sales

281-687-1515



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-----  
Thank you,



**Catlain Richardson**

Production and Completion Engineering Manager

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**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>

**Sent:** Monday, March 4, 2024 3:09 PM

**To:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>; Kenneth Rennick ([krennick@blm.gov](mailto:krennick@blm.gov)) <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Catlain Richardson



<CRichardson@logosresourcesllc.com>; Kaitlyn Moss <kdickens@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Lacey Granillo <lgranillo@logosresourcesllc.com>

**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Hello all

Please submit more detail on the sealant you would like to use. What is in it? We need detail on States that have used it and what type of wells and for how long since applied. Depth of use. How long has this company been in business.

If at the end this is approved – continuous testing will have to be applied. Meaning MITS monthly to quarterly.

Sealants used before have had a high fail rate. Example 300 PSI.

Thank you

Monica Kuehling  
Compliance Officer Supervisor  
Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
Office Phone: 505-334-6178 ext. 123  
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**From:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>

**Sent:** Friday, March 1, 2024 3:22 PM

**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Kenneth Rennick ([krennick@blm.gov](mailto:krennick@blm.gov)) <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Catlain Richardson <CRichardson@logosresourcesllc.com>; Kaitlyn Moss <kdickens@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Lacey Granillo <lgranillo@logosresourcesllc.com>

**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good afternoon everyone,

LOGOS moved a workover rig onto the Julander 1E on 2/12/2024 to conduct bradenhead diagnostics. A retrievable bridge plug was set at 5905' and the casing was pressure tested to 500 psi.

A radial cement bond log was run from the RBP to surface under 500 psi and from the upper DV tool to surface under 0 psi.

On 2/15/2024 a noise log was ran from the RBP to surface and identified an acoustic event @ 1450 feet, which is near Pictured Cliffs.

Based on the bond log and noise log results, a microannulus was identified in the wellbore.

LOGOS has consulted with microannulus expert to determine a path forward.

Please see the attached proposal from Seal-Tite International on the path forward to resolving the microannulus that is contributing to bradenhead pressure.

LOGOS will submit a Sundry to both the BLM and OCD along with the CBL and Noise log.

Please let me know if you have any questions.

Thank you,  
Vanessa Fields  
Regulatory Manager  
Email: [vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)  
Office: 505-787-2218  
Cell: 505-320-1243



**From:** Vanessa Fields  
**Sent:** Friday, February 16, 2024 3:41 PM  
**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Catlain Richardson <[CRichardson@logosresourcesllc.com](mailto:CRichardson@logosresourcesllc.com)>; Kaitlyn Moss <[kdickens@logosresourcesllc.com](mailto:kdickens@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Lacey Granillo <[LGranillo@logosresourcesllc.com](mailto:LGranillo@logosresourcesllc.com)>  
**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Thank you Moncia.

Have a great weekend!

Vanessa Fields  
Regulatory Manager  
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Office: 505-787-2218  
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**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Sent:** Friday, February 16, 2024 1:13 PM  
**To:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Catlain Richardson <[CRichardson@logosresourcesllc.com](mailto:CRichardson@logosresourcesllc.com)>; Kaitlyn Moss <[kdickens@logosresourcesllc.com](mailto:kdickens@logosresourcesllc.com)>; Etta Trujillo

<etrujillo@logosresourcesllc.com>; Lacey Granillo <lgranillo@logosresourcesllc.com>

**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

NMOCD approves moving rig off with the understanding that the rig will be back on within 2 weeks +/- . This is with prior approval from the BLM. This is a Federal mineral well.

Please keep this office informed on progress of rig move

Please submit all logs ran through our e-permitting site.

Thank you

Monica Kuehling  
Compliance Officer Supervisor  
Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
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**From:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>

**Sent:** Friday, February 16, 2024 11:39 AM

**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>

**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Catlain Richardson

<[CRichardson@logosresourcesllc.com](mailto:CRichardson@logosresourcesllc.com)>; Kaitlyn Moss <[kdickens@logosresourcesllc.com](mailto:kdickens@logosresourcesllc.com)>; Etta Trujillo

<[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>

**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification Update

Good morning Monica,

LOGOS has moved onto the Julander 1E with a workover rig. We set a retrievable bridge plug at 5905' and pressure tested the casing to 500 psi. The casing holds pressure.

A radial cement bond log was run from the RBP to surface under 500 psi.

A radial cement bong log was run from the upper DV tool to surface under 0 psi.

The results of the cement bond logs are indicative of good cement quality and coverage to surface; however, due to the bradenhead test results, we have reached out to subject matter experts for analysis of the CBLs and are awaiting their feedback.

In the meantime, a noise log was run from the RBP to surface.

We are currently waiting on processing of the noise log and interpretation of the results from the same experts reviewing the cement bond logs.

While awaiting feedback from subject matter experts, processing of the noise log, and scheduling of a cement crew with expertise in remediating microannuli, LOGOS plans to move the workover rig off location in the interest both LOGOS and of the landowners. We will develop a remediation plan over the coming days and present all the



data that has been gathered along with the remediation plan to the NMOCD for approval prior to moving the workover rig back to the well. The service providers with the appropriate technical expertise to remediate the well in this situation will be traveling from the Rockies or Oklahoma, so LOGOS anticipates all planning and logistical arrangements can be made for the remediation work to continue within 2 weeks, subject to the availability of the service providers.

Please let me know if you have any questions or concerns.

Thank you,

Vanessa Fields  
Regulatory Manager  
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Office: 505-787-2218  
Cell: 505-320-1243



**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Sent:** Wednesday, February 7, 2024 9:59 AM  
**To:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Catlain Richardson <[CRichardson@logosresourcesllc.com](mailto:CRichardson@logosresourcesllc.com)>; Kaitlyn Moss <[kdickens@logosresourcesllc.com](mailto:kdickens@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>  
**Subject:** RE: [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification

Thank you Vanessa

Please keep me informed on what is found.

Monica

**From:** Vanessa Fields <[vfields@logosresourcesllc.com](mailto:vfields@logosresourcesllc.com)>  
**Sent:** Tuesday, February 6, 2024 4:36 PM  
**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Cc:** Krista McWilliams <[kmcwilliams@logosresourcesllc.com](mailto:kmcwilliams@logosresourcesllc.com)>; Catlain Richardson <[CRichardson@logosresourcesllc.com](mailto:CRichardson@logosresourcesllc.com)>; Kaitlyn Moss <[kdickens@logosresourcesllc.com](mailto:kdickens@logosresourcesllc.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>; Lacey Granillo <[lgranillo@logosresourcesllc.com](mailto:lgranillo@logosresourcesllc.com)>  
**Subject:** [EXTERNAL] Julander Federal #001E API# 30-045-25000 Bradenhead Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Monica,

Hope you are doing well. LOGOS is providing notification that we will be on the Julander Federal #001E Friday February 9, 2024, to perform bradenhead diagnostics on the well pending weather.

As soon as we have identified a repair procedure the NMOCD will be notified for approval.

Thank you,

Vanessa Fields  
Regulatory Manager  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 425916

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 425916
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	None	1/28/2025